

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060167.D
 Acq On : 10 Oct 2018 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/11/2018 4:24:22 PM

Quant Time: Oct 11 01:33:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1569844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2137598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1809649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	958419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	607053	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	6.30	113	826904	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	9.44	98	2281002	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.42	95	887314	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	728968m	49.364	ug/l	
3) Chloromethane	1.75	50	623091	46.794	ug/l	99
4) Vinyl Chloride	1.84	62	513083	47.084	ug/l	100
5) Bromomethane	2.12	94	82732	60.463	ug/l	97
6) Chloroethane	2.24	64	155931	52.436	ug/l	95
7) Trichlorofluoromethane	2.49	101	644910	49.425	ug/l	97
8) Diethyl Ether	2.81	74	137553	51.267	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	420029	51.672	ug/l	99
10) Methyl Iodide	3.22	142	392268	45.505	ug/l	98
11) Tert butyl alcohol	3.95	59	217522	254.881	ug/l	100
12) 1,1-Dichloroethene	3.05	96	332569	51.933	ug/l	95
13) Acrolein	2.96	56	103163	196.093	ug/l	94
14) Allyl chloride	3.51	41	643066	48.350	ug/l	97
15) Acrylonitrile	4.06	53	907242	256.832	ug/l	99
16) Acetone	3.14	43	606041	280.674	ug/l	98
17) Carbon Disulfide	3.29	76	1003589	46.603	ug/l	99
18) Methyl Acetate	3.53	43	248876	53.626	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1474600	52.373	ug/l	96
20) Methylene Chloride	3.70	84	866617	51.083	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	811355	49.057	ug/l	98
22) Diisopropyl ether	4.84	45	2989485	50.330	ug/l	98
23) Vinyl Acetate	4.78	43	8483750	254.099	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1410539	52.375	ug/l	99
25) 2-Butanone	5.60	43	1469478	272.413	ug/l	97
26) 2,2-Dichloropropane	5.57	77	1090034	53.390	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	872547	49.794	ug/l	94
28) Bromochloromethane	5.90	49	657984	50.277	ug/l	99
29) Tetrahydrofuran	5.93	42	826371	263.740	ug/l	99
30) Chloroform	6.08	83	1426280	52.355	ug/l	99
31) Cyclohexane	6.34	56	1193801	46.307	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	1140428	51.097	ug/l	98
36) 1,1-Dichloropropene	6.50	75	1030046	50.427	ug/l	98
37) Ethyl Acetate	5.68	43	707827	52.206	ug/l	97
38) Carbon Tetrachloride	6.48	117	944204	50.929	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1129994	48.688	ug/l	100
40) Benzene	6.78	78	2750214	51.464	ug/l	100
41) Methacrylonitrile	5.90	41	354004m	46.193	ug/l	
42) 1,2-Dichloroethane	6.88	62	800793	52.268	ug/l	99
43) Isopropyl Acetate	8.33	43	893648	50.099	ug/l #	100
44) Trichloroethene	7.72	130	823032	49.753	ug/l	99
45) 1,2-Dichloropropane	8.09	63	715128	51.107	ug/l	100
46) Dibromomethane	8.20	93	470718	51.960	ug/l	96
47) Bromodichloromethane	8.48	83	1038116	53.782	ug/l	99
48) Methyl methacrylate	8.23	41	547243	53.860	ug/l	99
49) 1,4-Dioxane	8.21	88	106208	1062.381	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	2943583	261.636	ug/l	98
52) Toluene	9.53	92	1705199	49.546	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	953588	54.598	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1145727	53.123	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	565363	50.248	ug/l	98
56) Ethyl methacrylate	10.02	69	658913	53.053	ug/l	99
57) 1,3-Dichloropropane	10.37	76	907607	52.892	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1711453	248.150	ug/l	100
59) 2-Hexanone	10.48	43	2208326	272.965	ug/l	100
60) Dibromochloromethane	10.63	129	738879	53.524	ug/l	96
61) 1,2-Dibromoethane	10.75	107	609157	50.955	ug/l	99
64) Tetrachloroethene	10.24	164	760743	47.997	ug/l	98
65) Chlorobenzene	11.30	112	1906100	48.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	661716	50.666	ug/l	97
67) Ethyl Benzene	11.42	91	3171353	49.998	ug/l	100
68) m/p-Xylenes	11.56	106	2289022	96.586	ug/l	100
69) o-Xylene	11.92	106	1126218	48.043	ug/l	93
70) Styrene	11.95	104	1938413	49.447	ug/l	99
71) Bromoform	12.11	173	561036	53.050	ug/l	98
73) Isopropylbenzene	12.27	105	3103028	49.076	ug/l	99
74) N-amyl acetate	12.13	43	1175765	50.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	698238	50.583	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	702414	50.891	ug/l	98
77) Bromobenzene	12.53	156	903082	49.151	ug/l	93
78) n-propylbenzene	12.63	91	3894000	49.598	ug/l	98
79) 2-Chlorotoluene	12.70	91	2187942	50.212	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2332435	47.663	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	210904	54.381	ug/l	97
82) 4-Chlorotoluene	12.80	91	2365101	47.988	ug/l	91
83) tert-Butylbenzene	13.05	119	2776508	49.442	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2483414	48.151	ug/l	96
85) sec-Butylbenzene	13.21	105	3284162	49.462	ug/l	99
86) p-Isopropyltoluene	13.34	119	2625644	48.212	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1591397	49.713	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	1537047	47.802	ug/l	97
89) n-Butylbenzene	13.65	91	2619817	49.301	ug/l	98
90) Hexachloroethane	13.85	117	657751	52.186	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	1317909	48.962	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	93379	50.664	ug/l	84

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1076673	47.126	ug/l	96
94) Hexachlorobutadiene	14.88	225	751624	49.493	ug/l	100
95) Naphthalene	14.96	128	1716047	50.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	976201	49.119	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

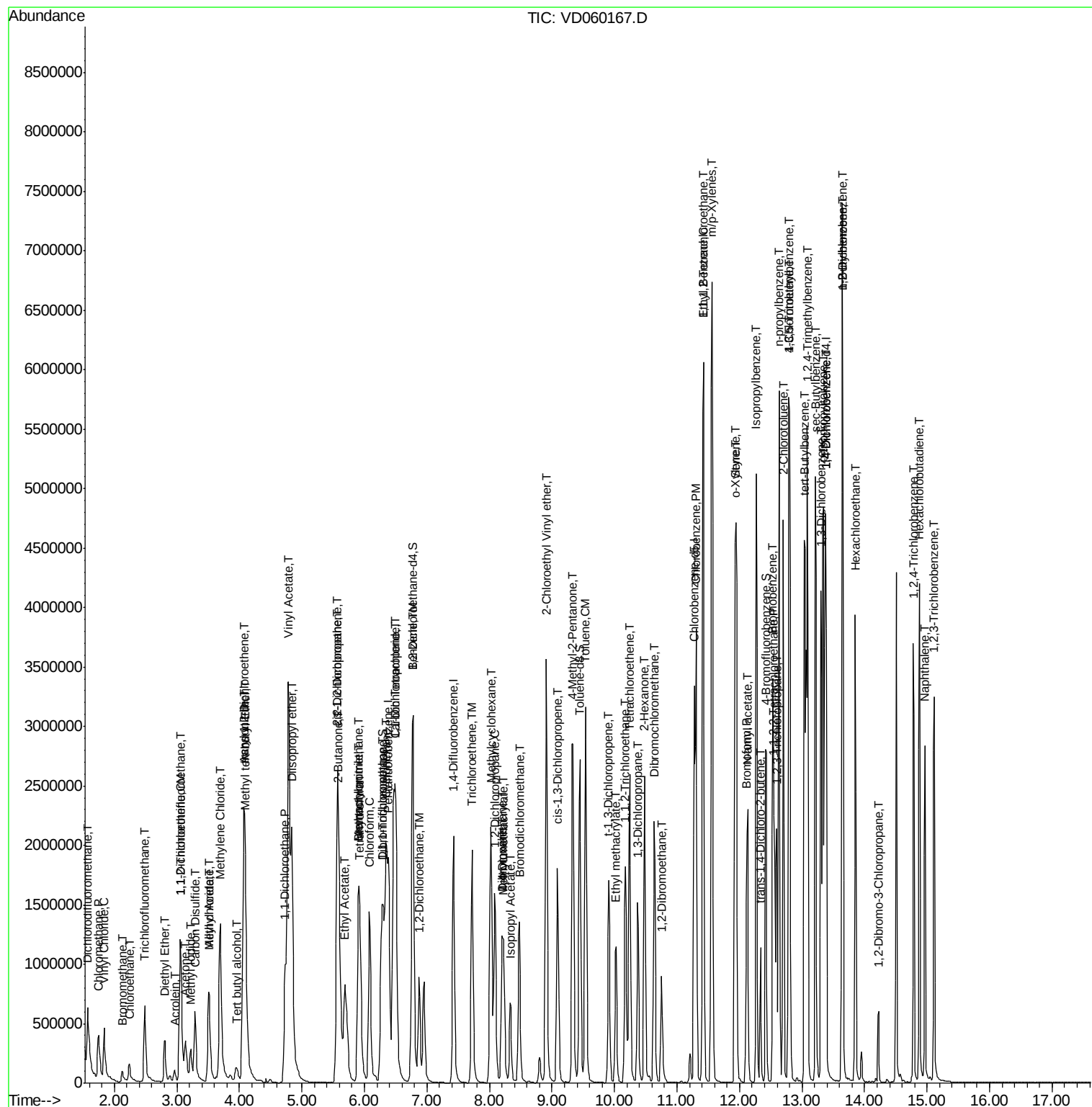
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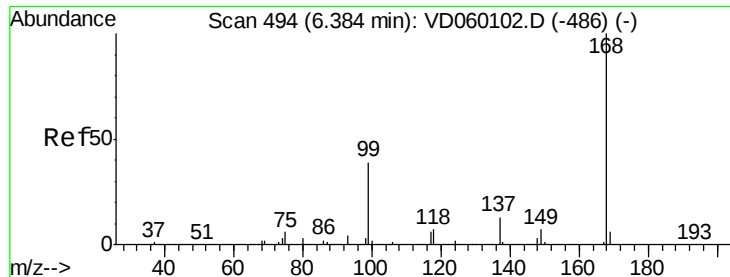
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1569844

Ion Ratio Lower Upper

168 100

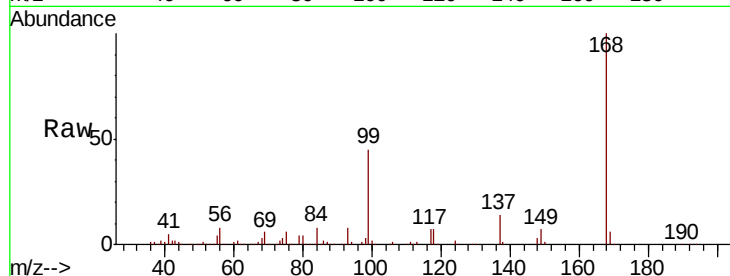
99 44.7 35.4 53.0

Manual Integrations

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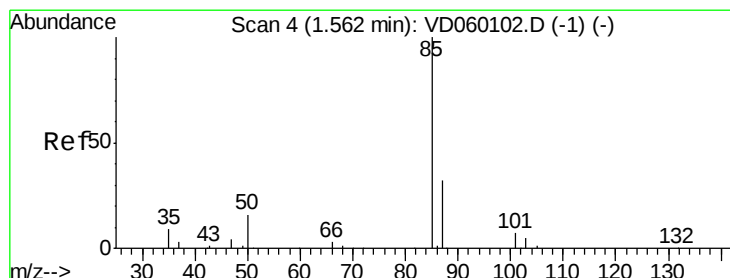
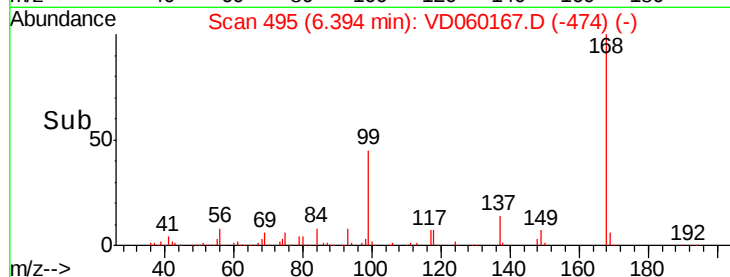
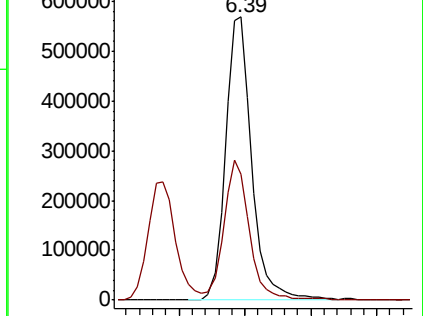
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.364 ug/l m

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060167.D

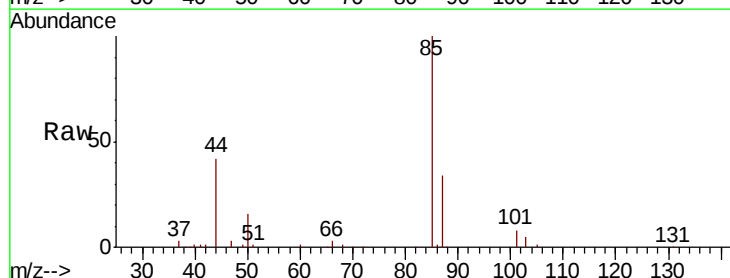
Acq: 10 Oct 2018 10:54

Tgt Ion: 85 Resp: 728968

Ion Ratio Lower Upper

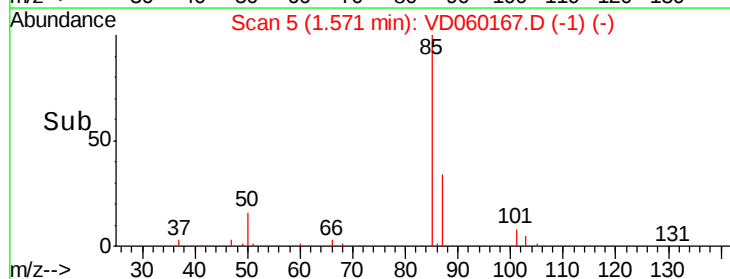
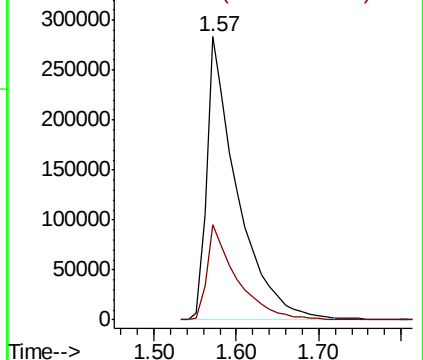
85 100

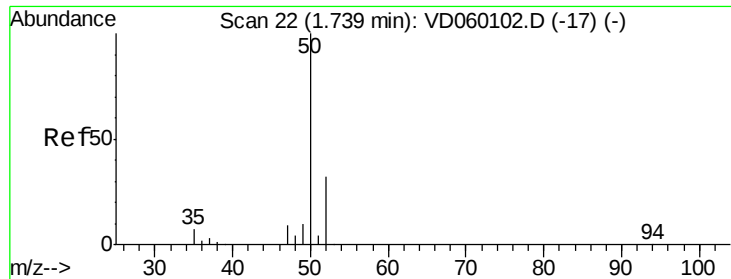
87 33.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.794 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 623091

Ion Ratio Lower Upper

50 100

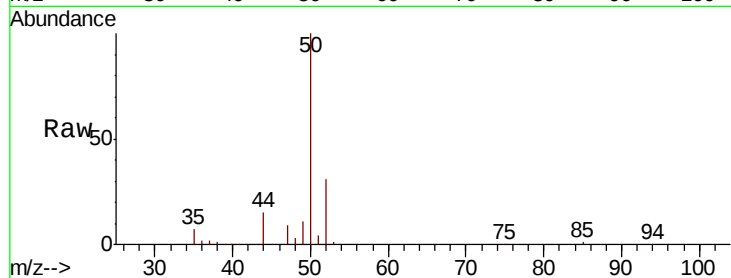
52 31.2 25.3 37.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

250000

200000

150000

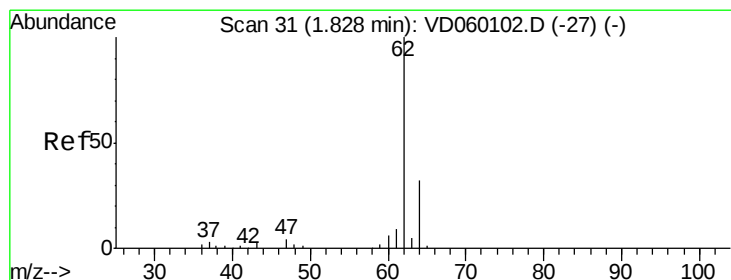
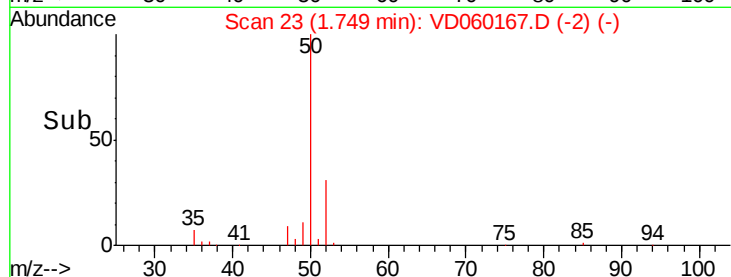
100000

50000

0

1.70 1.75 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 47.084 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060167.D

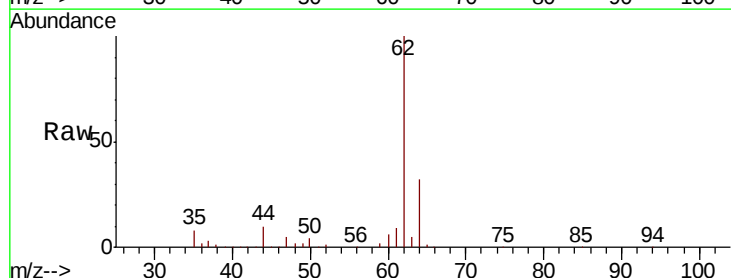
Acq: 10 Oct 2018 10:54

Tgt Ion: 62 Resp: 513083

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

250000

200000

150000

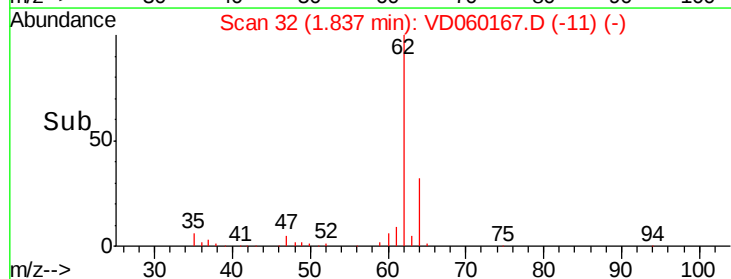
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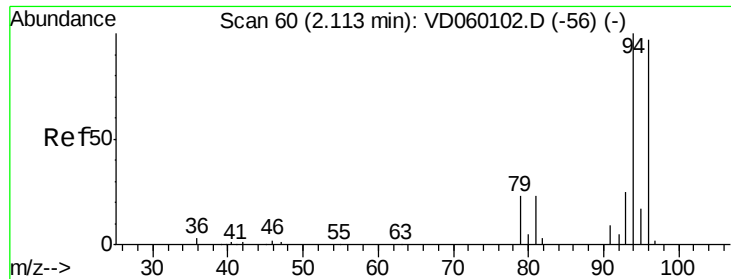
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 60.463 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

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Tot Ion: 94 Resp: 82732

Ion Ratio Lower Upper

94 100

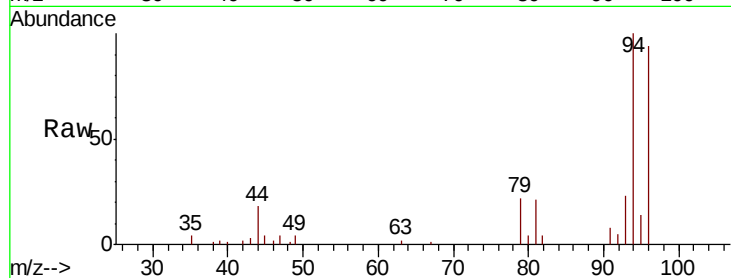
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Manual Integrations

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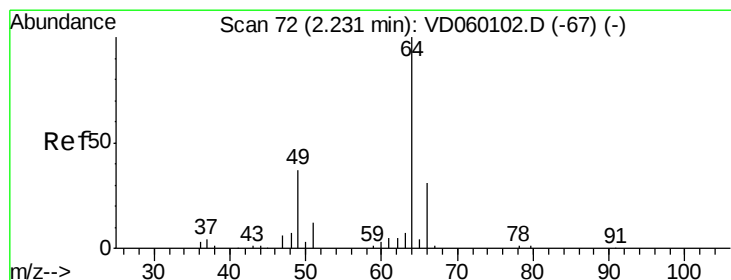
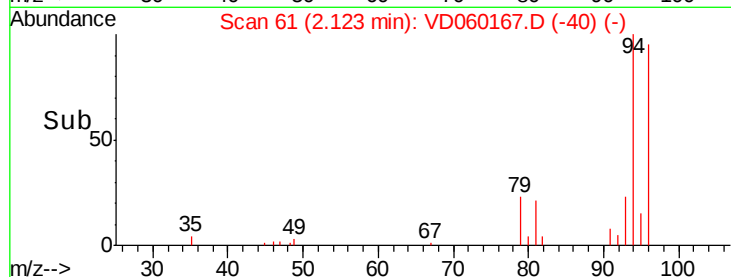
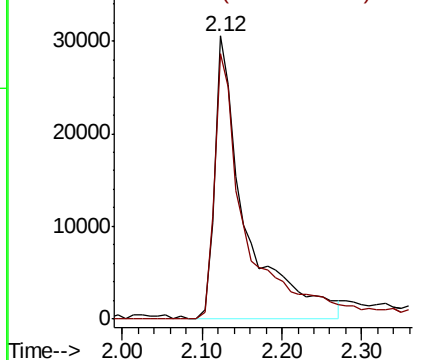
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.436 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060167.D

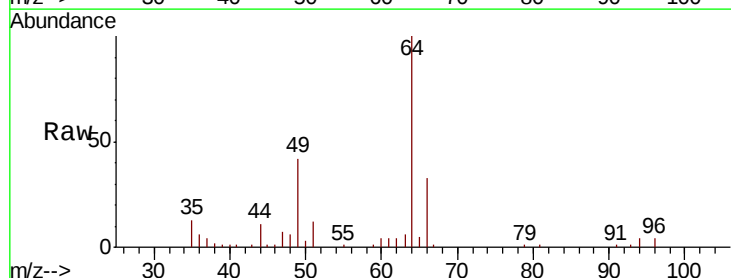
Acq: 10 Oct 2018 10:54

Tgt Ion: 64 Resp: 155931

Ion Ratio Lower Upper

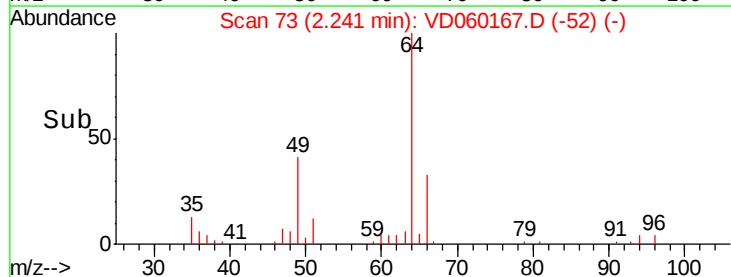
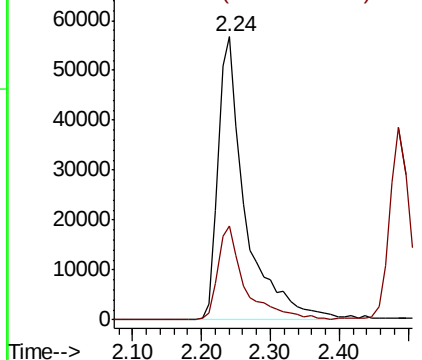
64 100

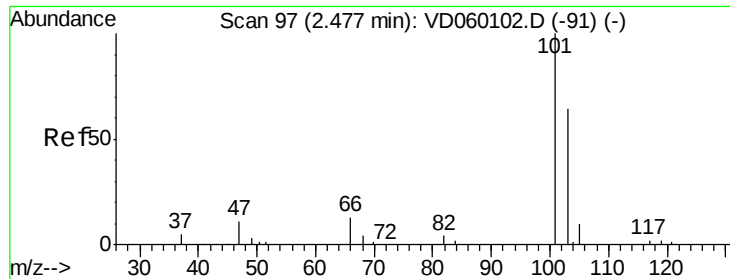
66 33.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 49.425 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 644910

Ion Ratio Lower Upper

101 100

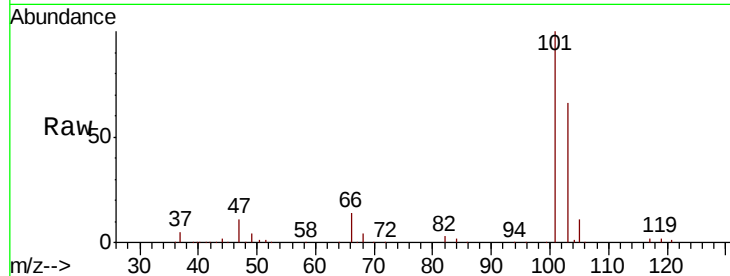
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Manual Integrations

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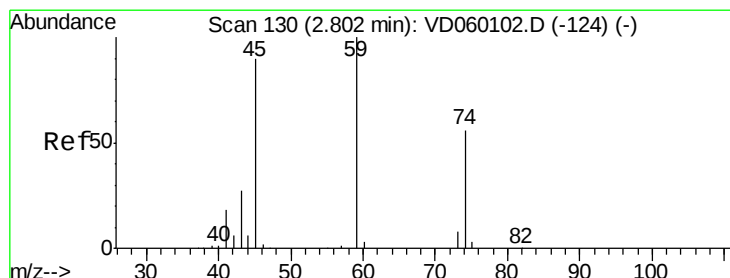
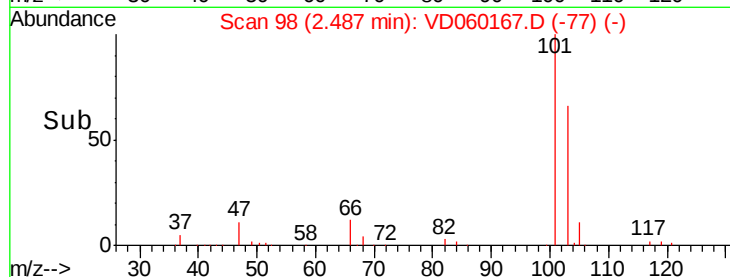
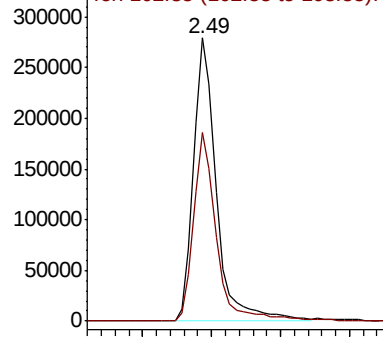
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 51.267 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060167.D

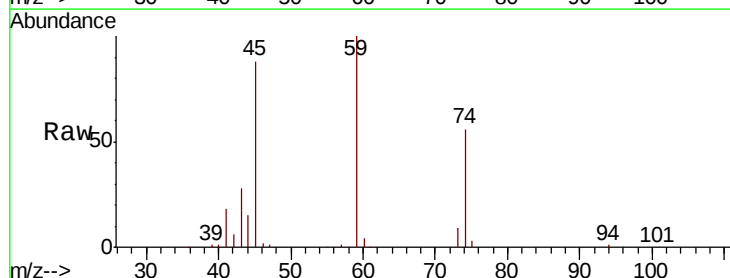
Acq: 10 Oct 2018 10:54

Tgt Ion: 74 Resp: 137553

Ion Ratio Lower Upper

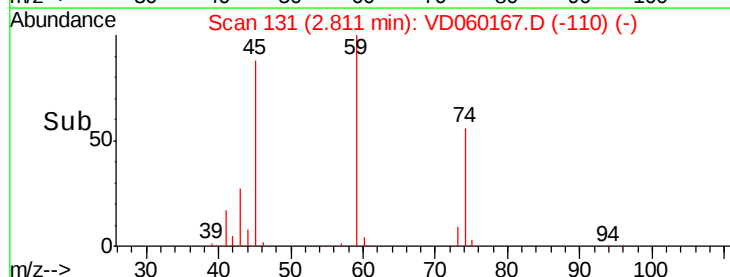
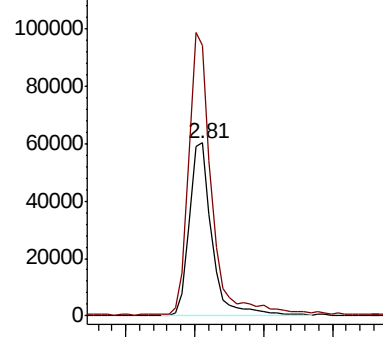
74 100

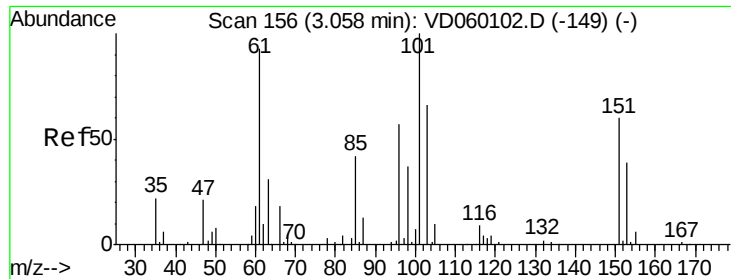
45 156.8 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.672 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

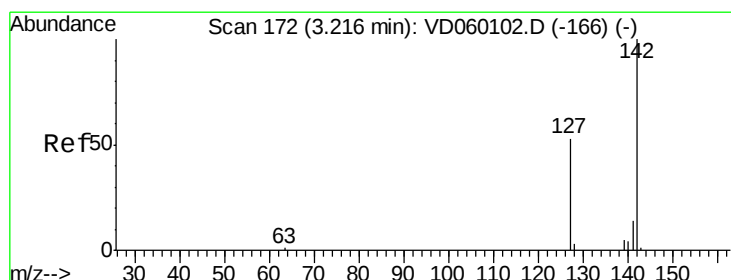
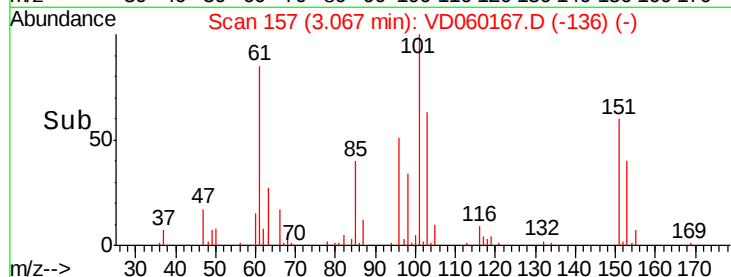
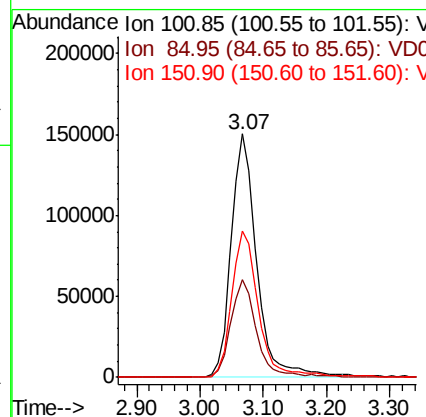
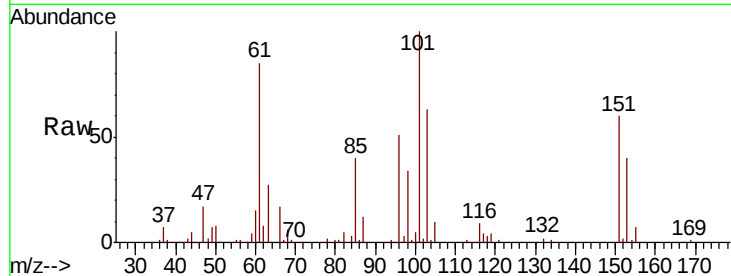
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	420029
Ion Ratio	Lower	Upper	
101	100		
85	40.2	33.4	50.0
151	60.3	48.0	72.0

Manual Integrations
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#10

Methyl Iodide

Concen: 45.505 ug/l

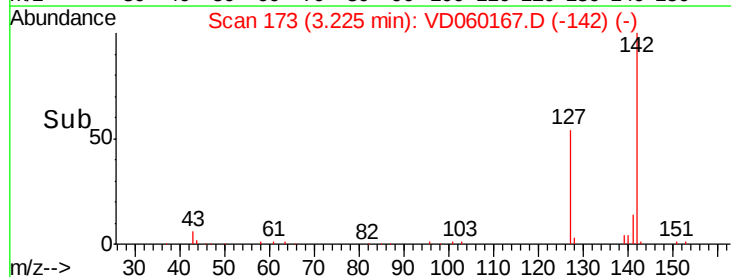
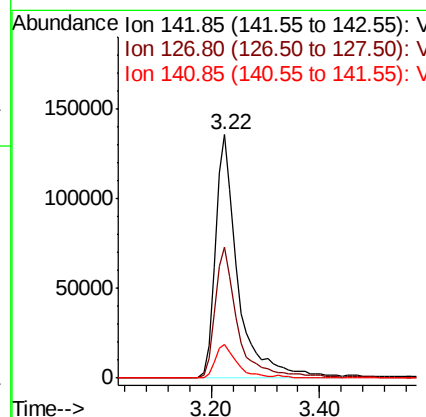
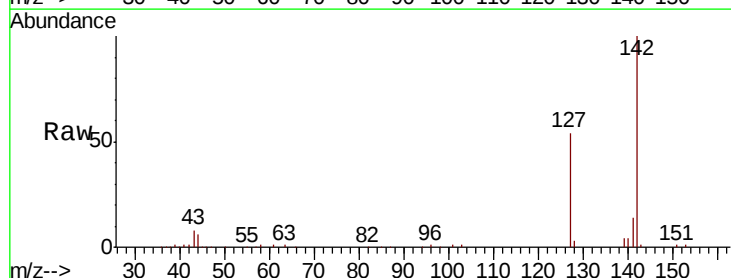
RT: 3.22 min Scan# 173

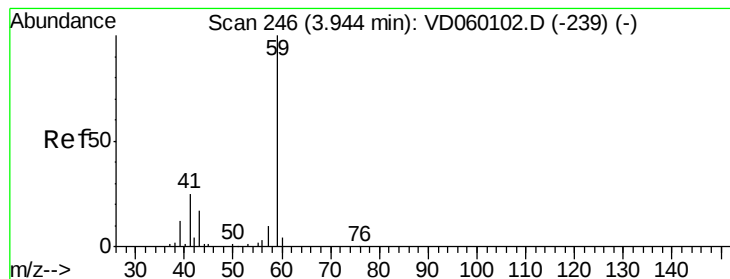
Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Tgt Ion:	142	Resp:	392268
Ion Ratio	Lower	Upper	
142	100		
127	53.8	42.0	63.0
141	13.6	11.4	17.0





#11

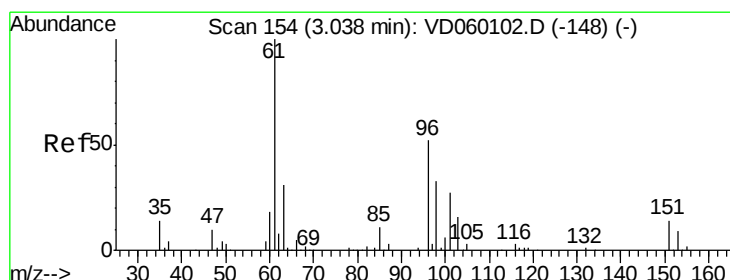
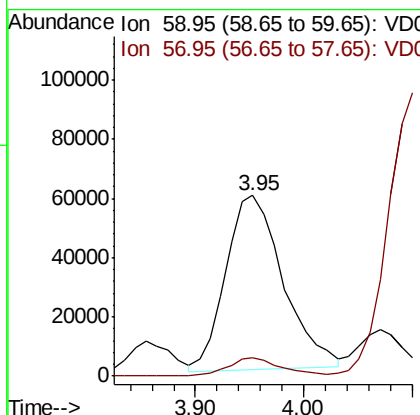
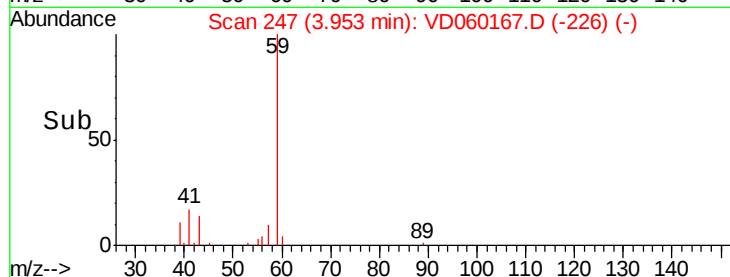
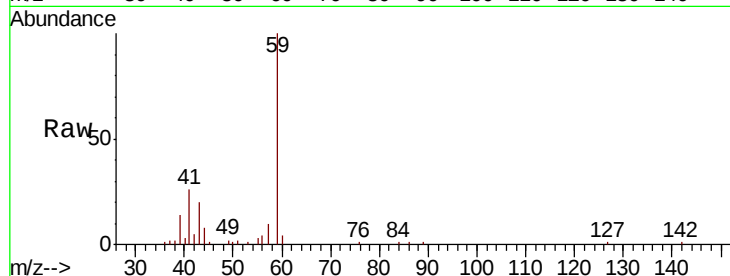
Tert butyl alcohol
 Concen: 254.881 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

Manual Integrations
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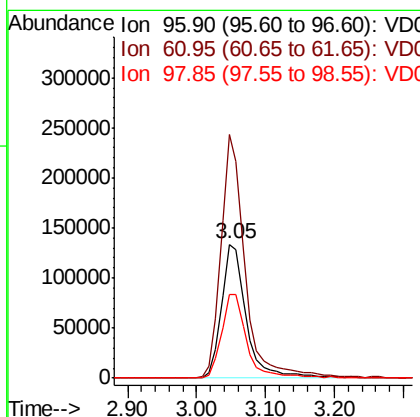
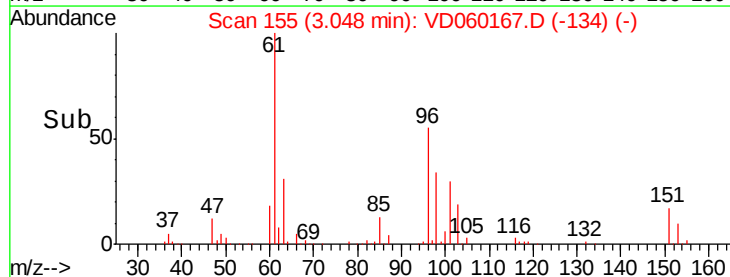
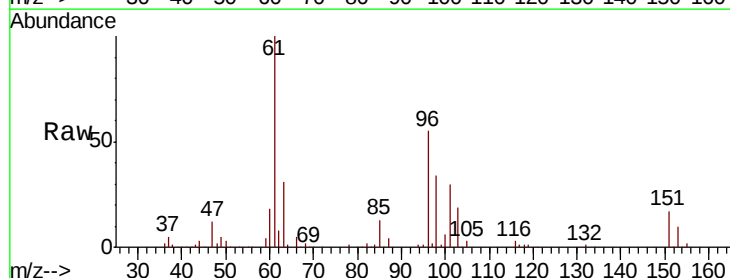
apatel
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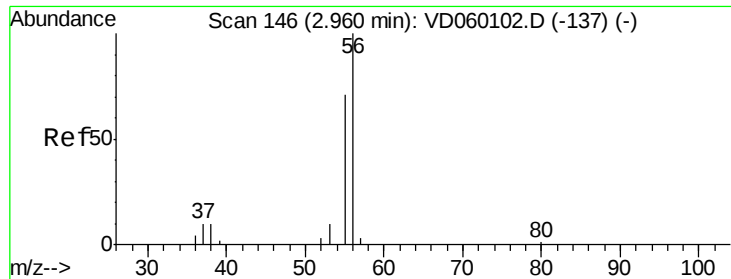


#12

1,1-Dichloroethene
 Concen: 51.933 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.1	153.0	229.4
98	62.6	51.1	76.7





#13

Acrolein

Concen: 196.093 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 103163

Ion Ratio Lower Upper

56 100

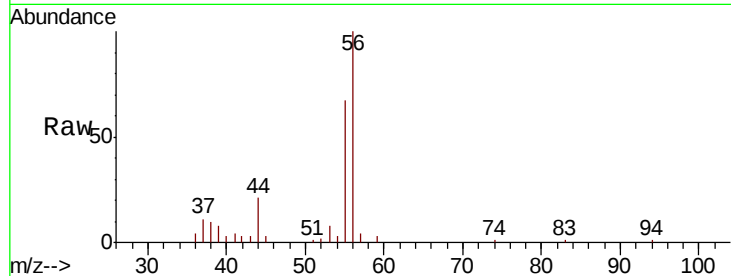
55 66.9 57.4 86.2

Manual Integrations

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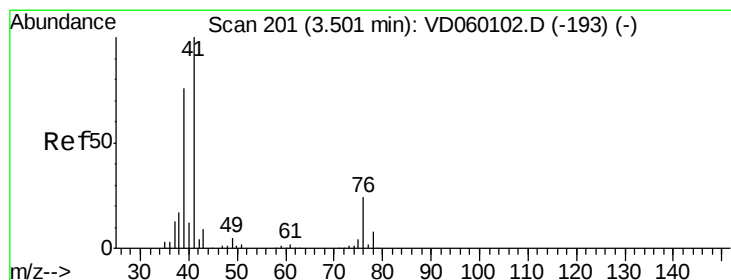
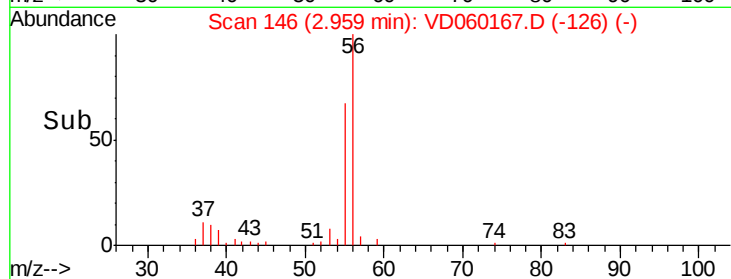
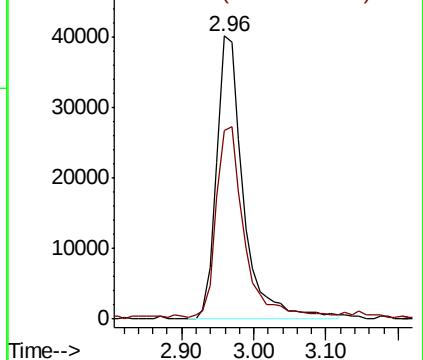
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.350 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

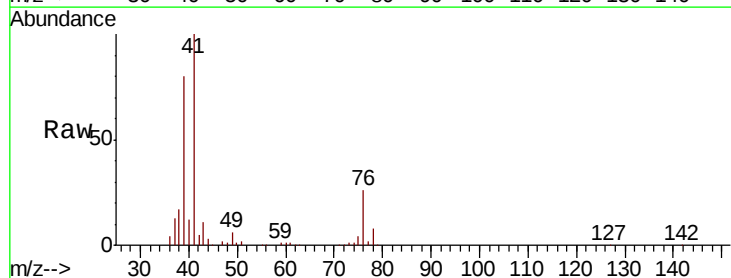
Tgt Ion: 41 Resp: 643066

Ion Ratio Lower Upper

41 100

39 79.6 60.6 90.8

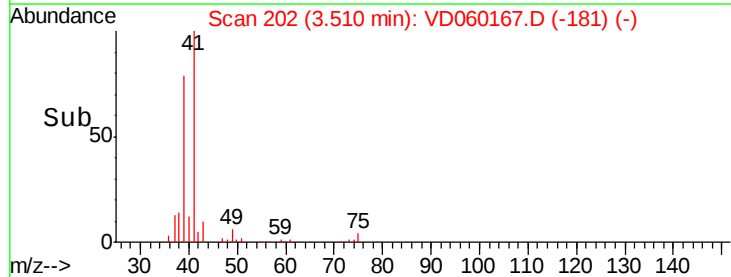
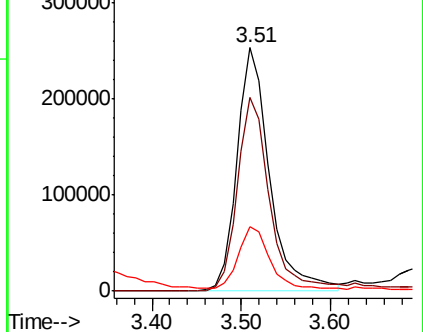
76 26.4 21.3 31.9

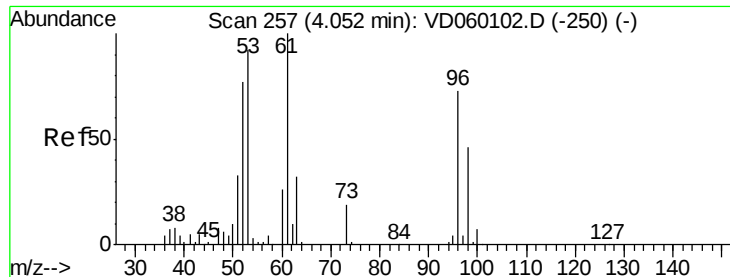


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 256.832 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

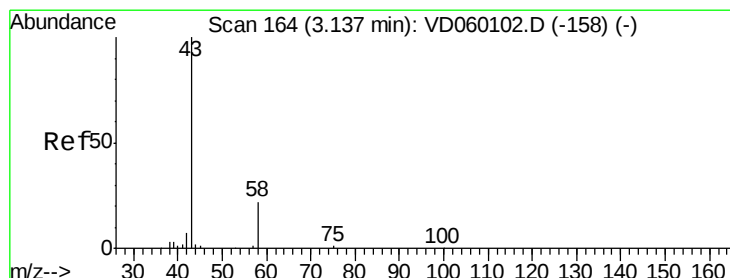
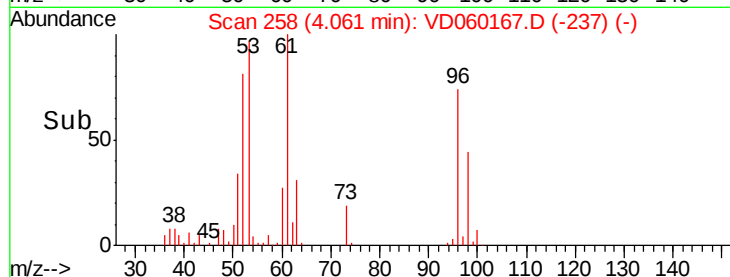
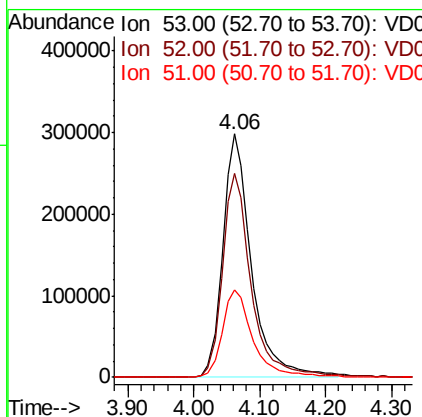
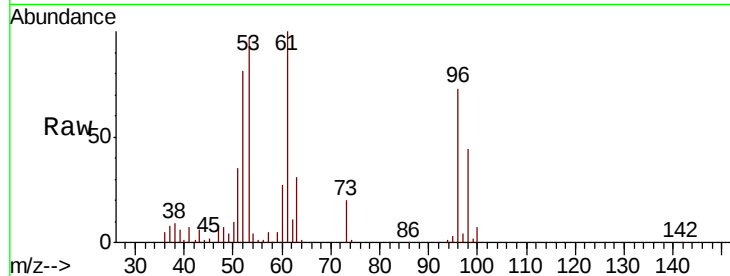
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	907242
Ion Ratio	Lower	Upper	
53	100		
52	83.6	67.5	101.3
51	36.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 280.674 ug/l

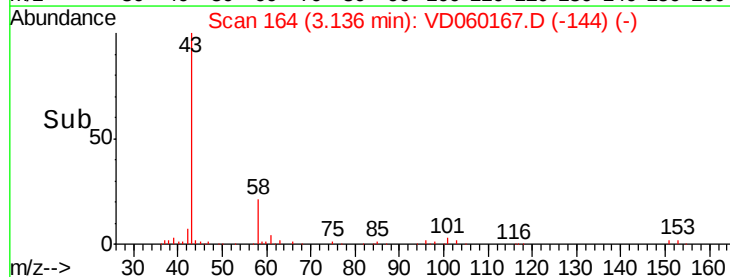
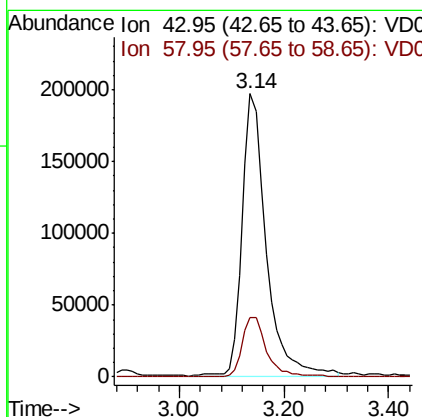
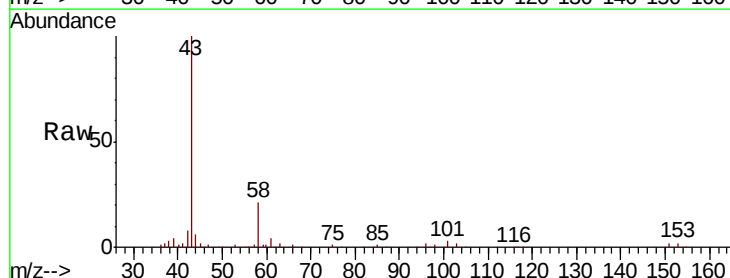
RT: 3.14 min Scan# 164

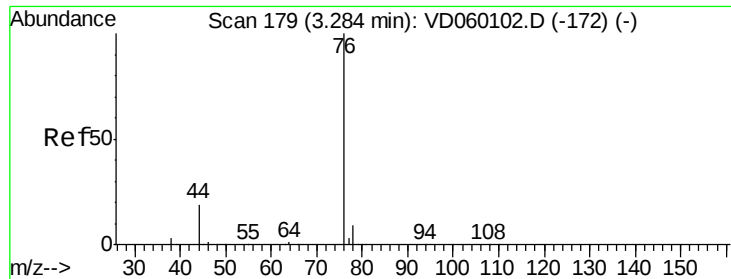
Delta R.T. -0.00 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Tgt Ion:	43	Resp:	606041
Ion Ratio	Lower	Upper	
43	100		
58	21.0	17.7	26.5





#17

Carbon Disulfide

Concen: 46.603 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1003589

Ion Ratio Lower Upper

76 100

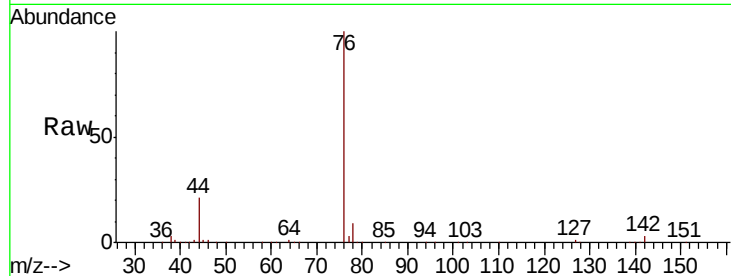
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

400000

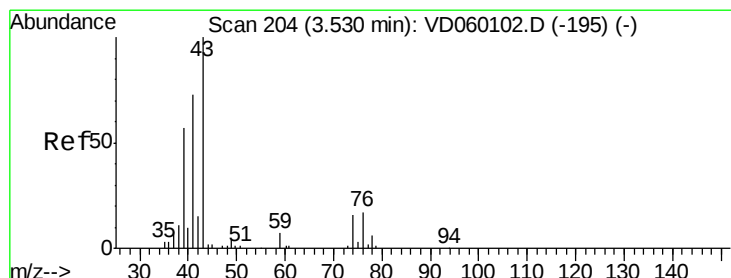
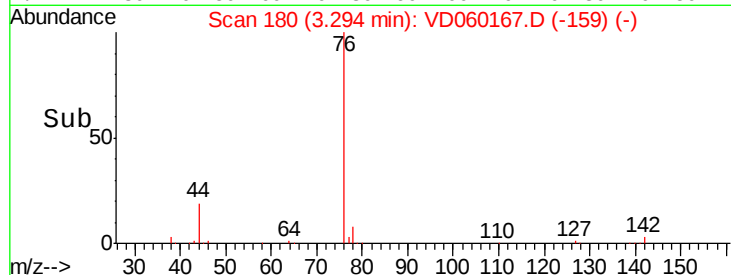
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.626 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060167.D

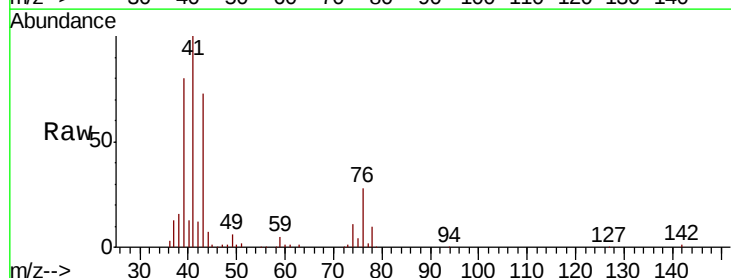
Acq: 10 Oct 2018 10:54

Tgt Ion: 43 Resp: 248876

Ion Ratio Lower Upper

43 100

74 14.9 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.53

100000

80000

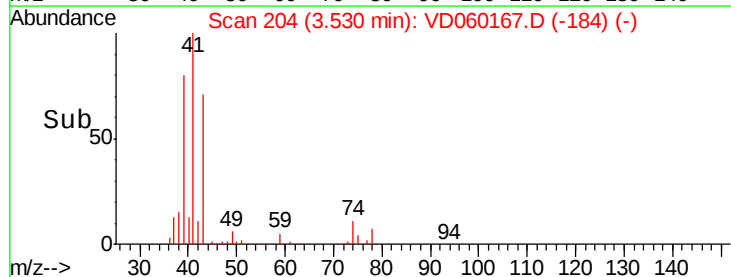
60000

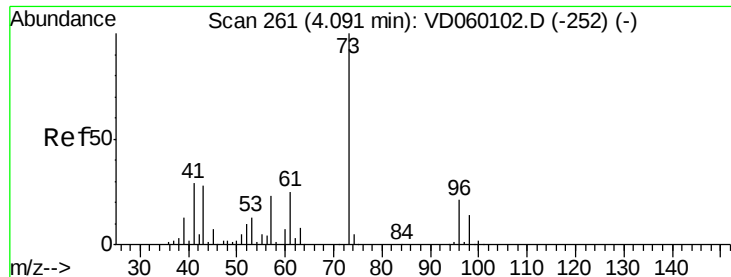
40000

20000

0

Time-->





#19

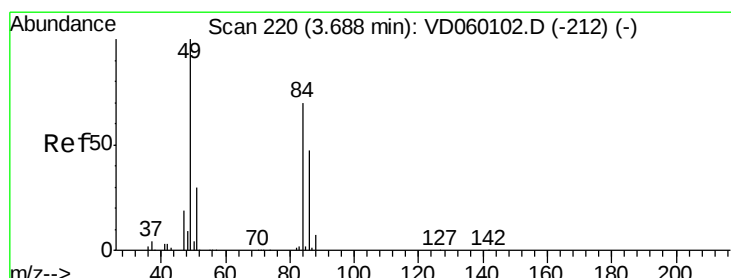
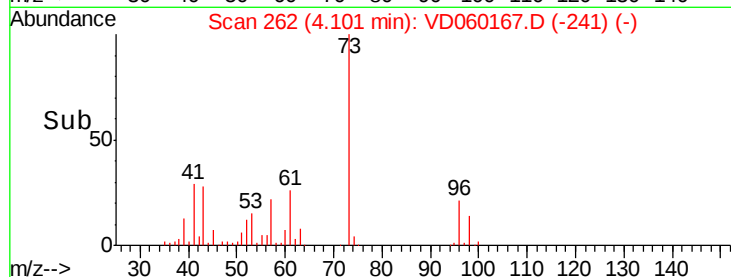
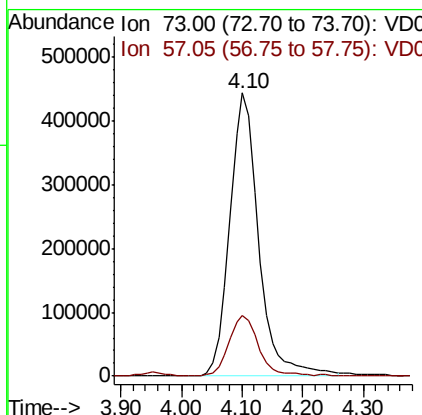
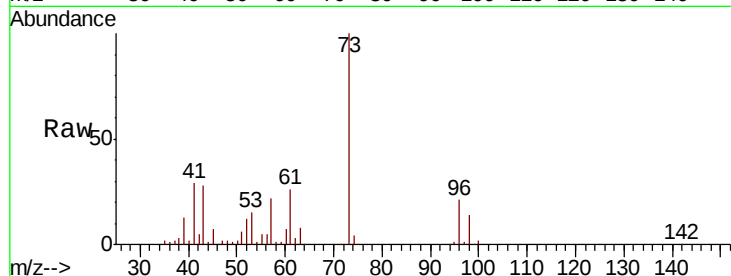
Methyl tert-butyl Ether
 Concen: 52.373 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1474600
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.7 28.1

Manual Integrations
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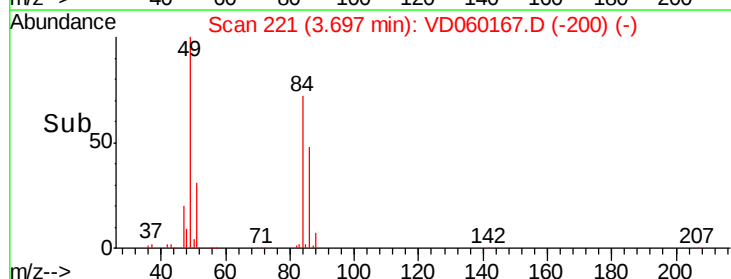
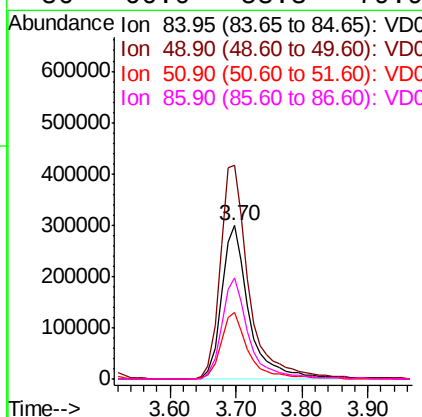
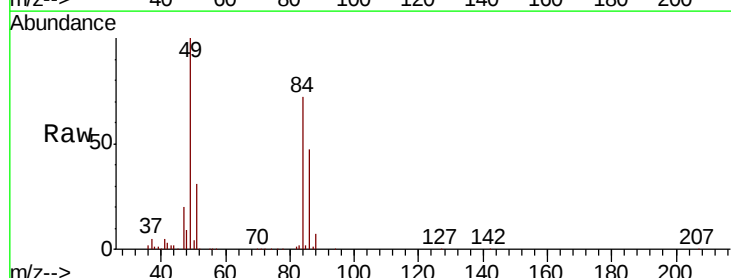
apatel
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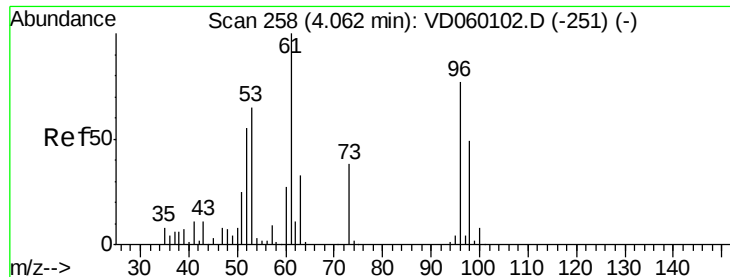


#20

Methylene Chloride
 Concen: 51.083 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion: 84 Resp: 866617
 Ion Ratio Lower Upper
 84 100
 49 139.5 114.6 172.0
 51 43.6 33.8 50.8
 86 66.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 49.057 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 811355

Ion Ratio Lower Upper

96 100

61 132.3 103.3 154.9

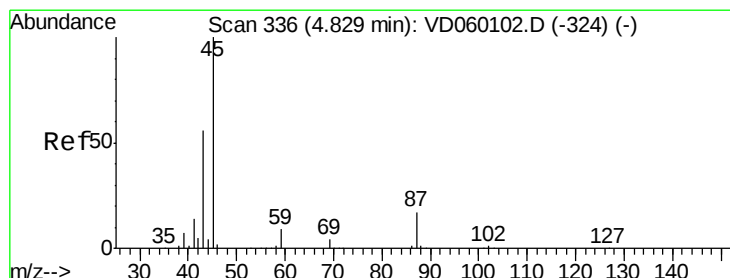
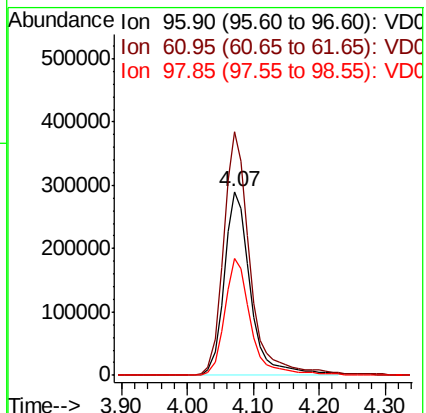
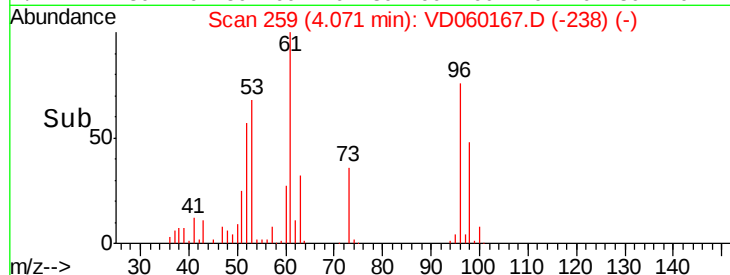
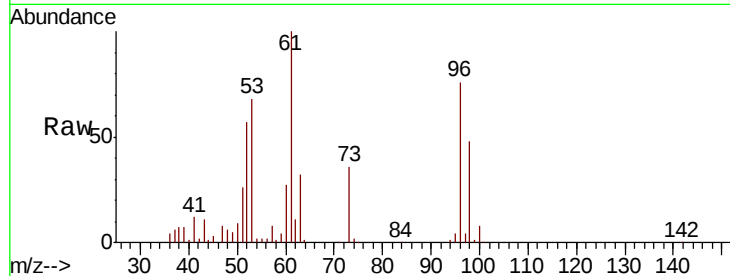
98 63.4 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.330 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Tgt Ion: 45 Resp: 2989485

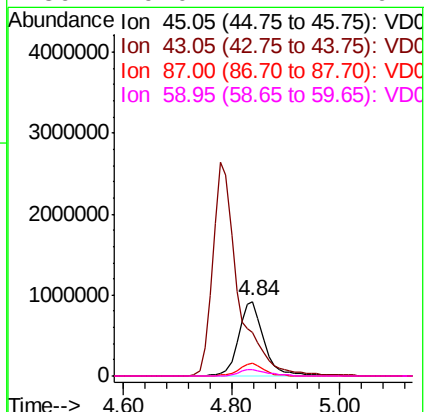
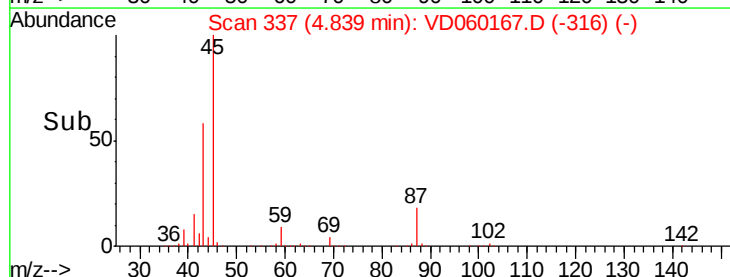
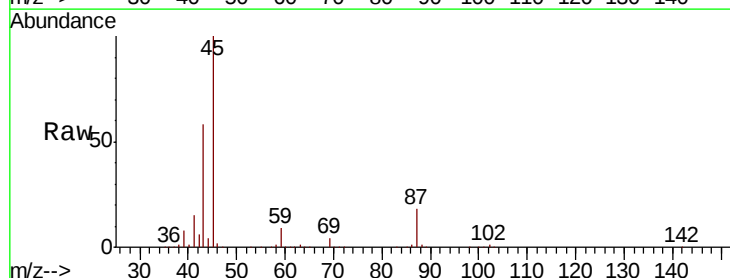
Ion Ratio Lower Upper

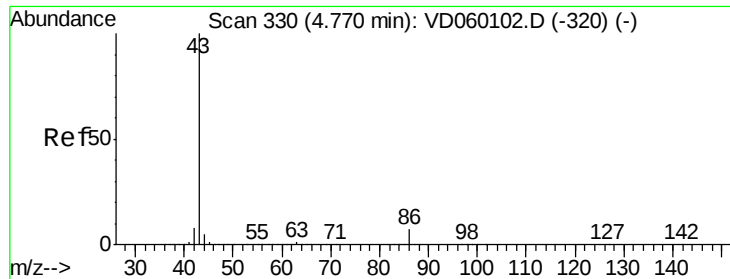
45 100

43 57.9 44.8 67.2

87 17.8 13.9 20.9

59 9.0 7.1 10.7





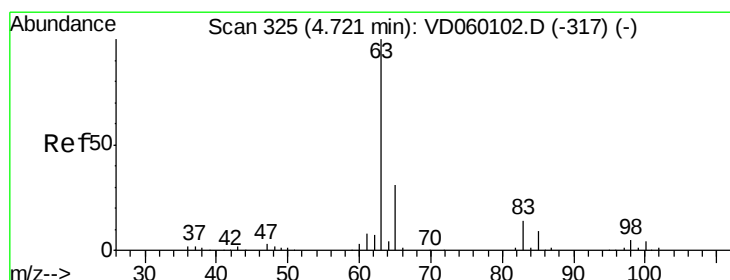
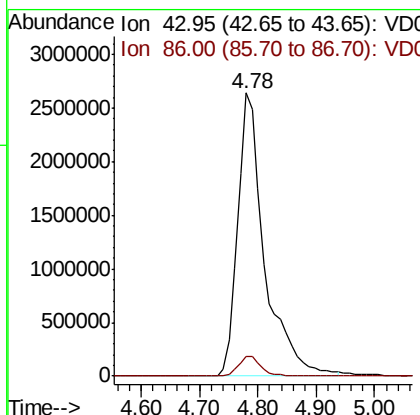
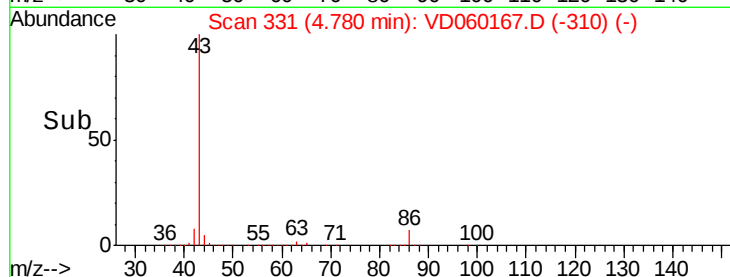
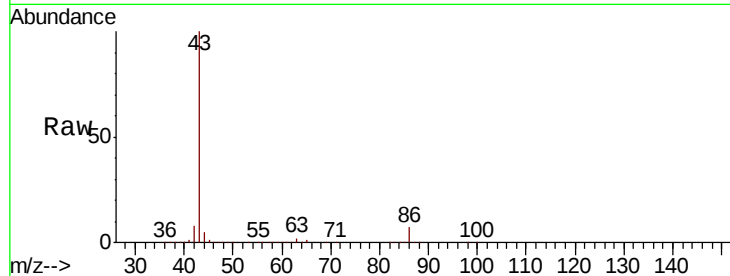
#23
 Vinyl Acetate
 Concen: 254.099 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 8483750
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.6 8.4

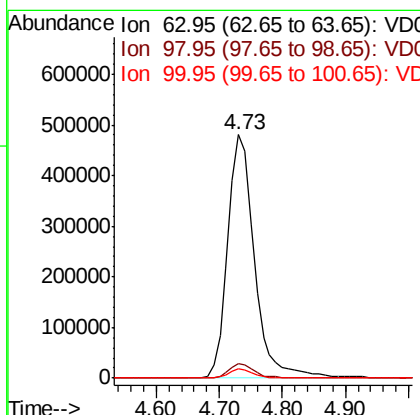
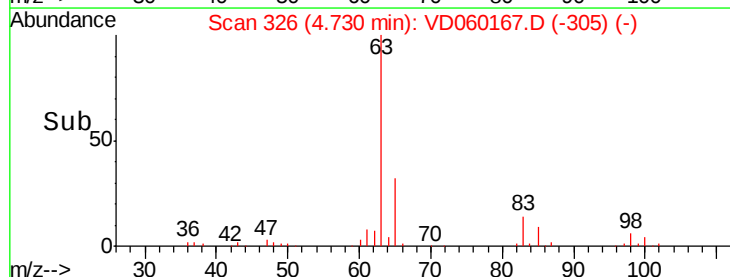
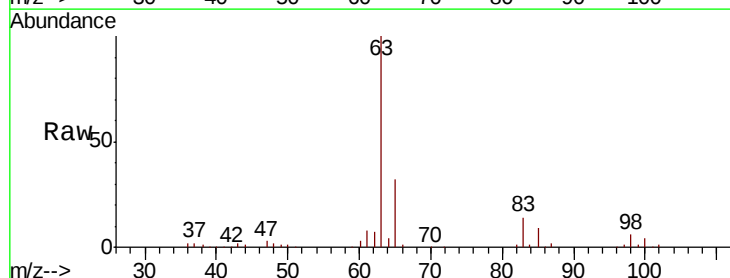
Manual Integrations
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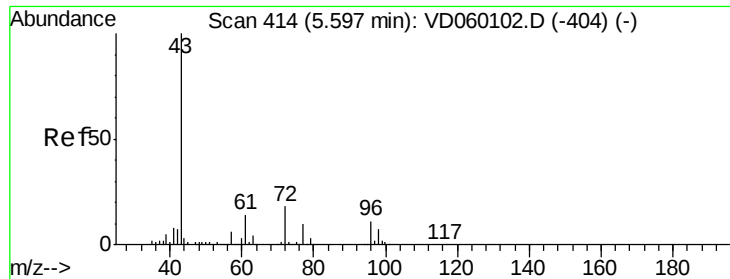
apatel
 10/11/2018 4:24:22 PM



#24
 1,1-Dichloroethane
 Concen: 52.375 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion: 63 Resp: 1410539
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.3
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 272.413 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1469478

Ion Ratio Lower Upper

43 100

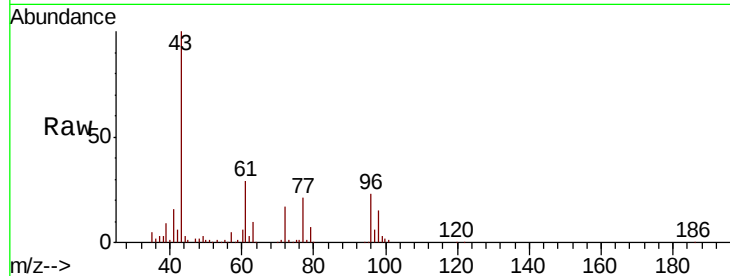
72 16.8 14.5 21.7

Manual Integrations

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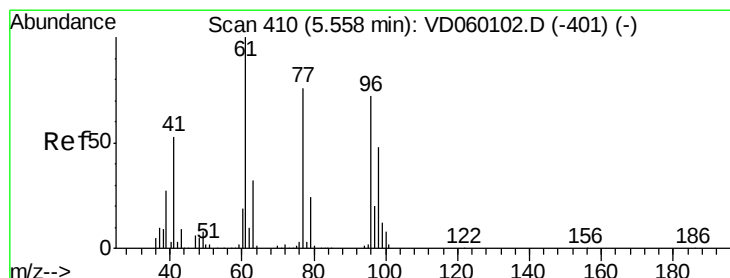
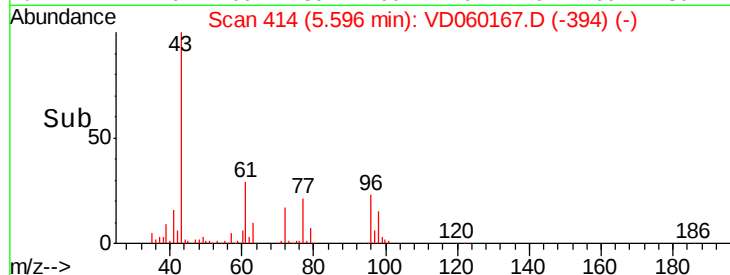
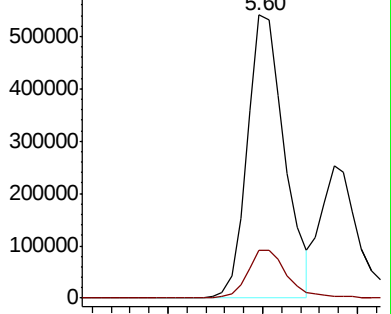
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.390 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060167.D

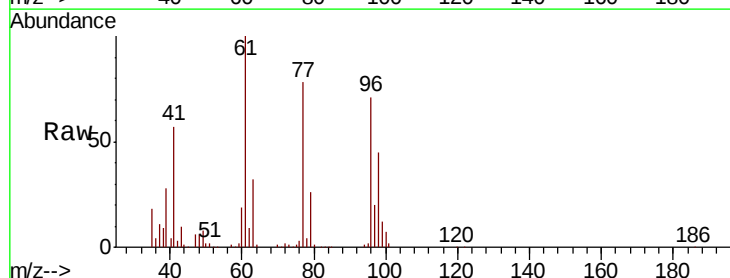
Acq: 10 Oct 2018 10:54

Tgt Ion: 77 Resp: 1090034

Ion Ratio Lower Upper

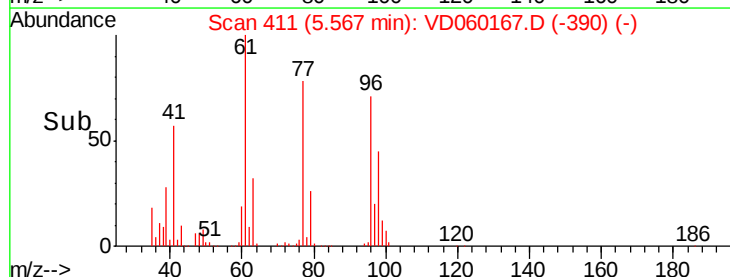
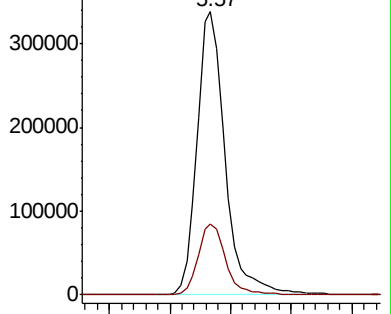
77 100

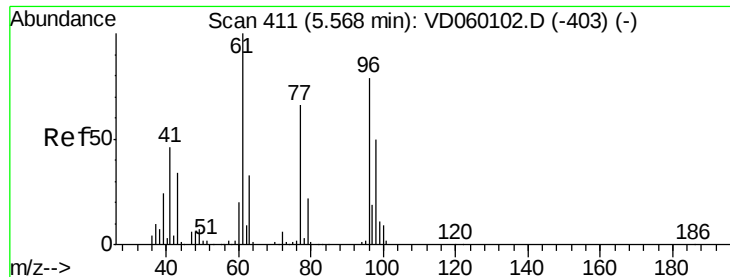
97 24.9 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

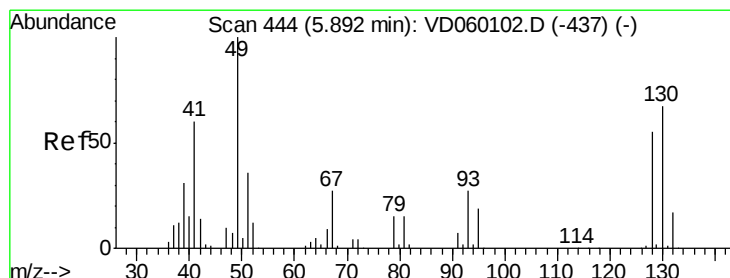
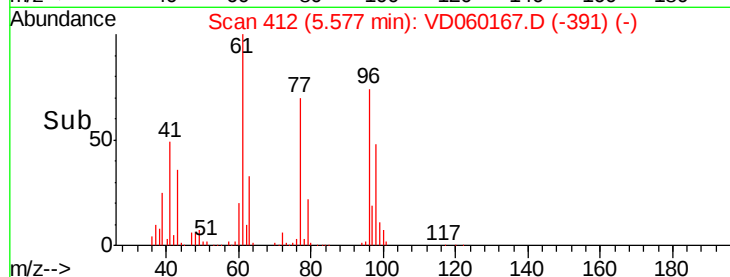
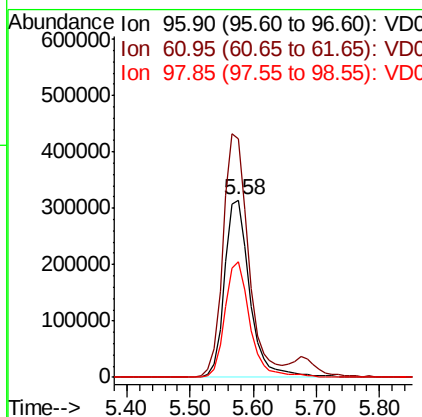
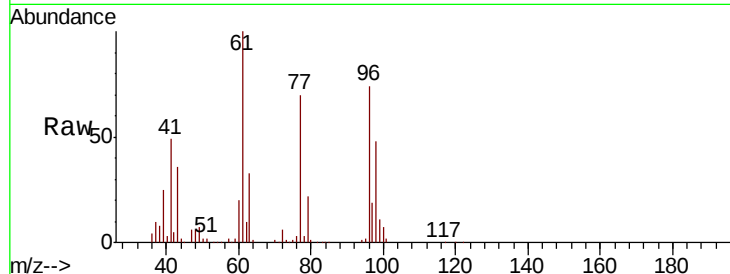
cis-1,2-Dichloroethene
 Concen: 49.794 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	872547		
61	134.5	0.0	251.8	
98	65.1	0.0	125.2	

Manual Integrations
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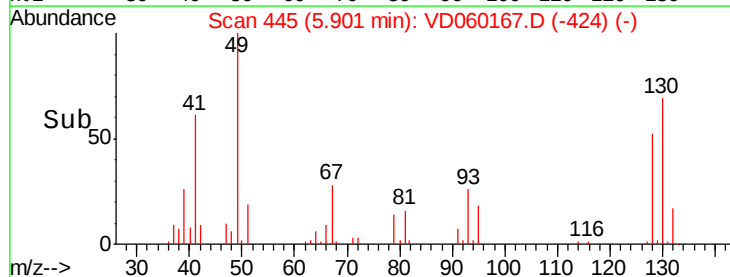
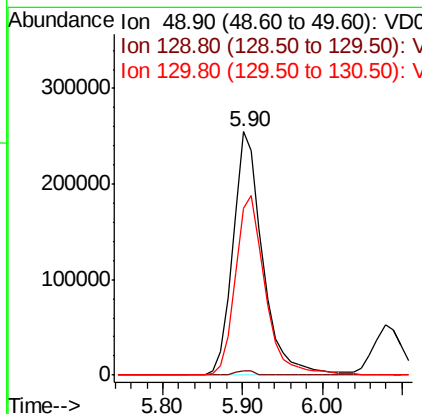
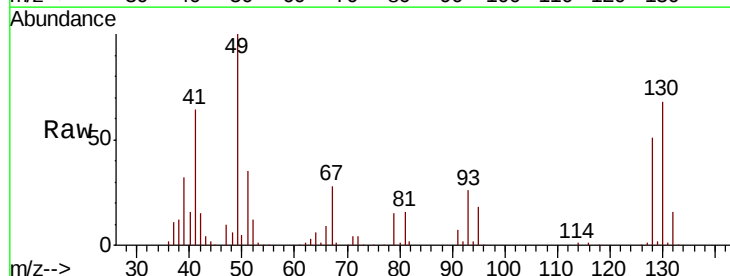
apatel
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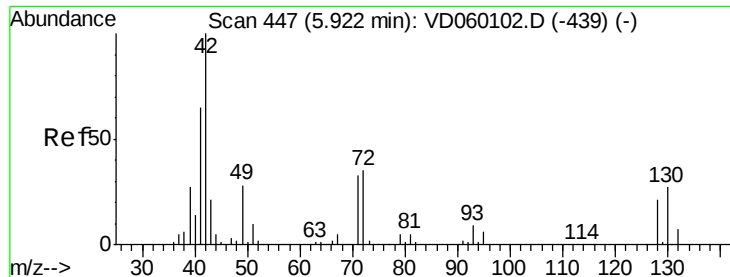


#28

Bromochloromethane
 Concen: 50.277 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	657984		
129	1.6	0.0	3.6	
130	68.4	53.9	80.9	





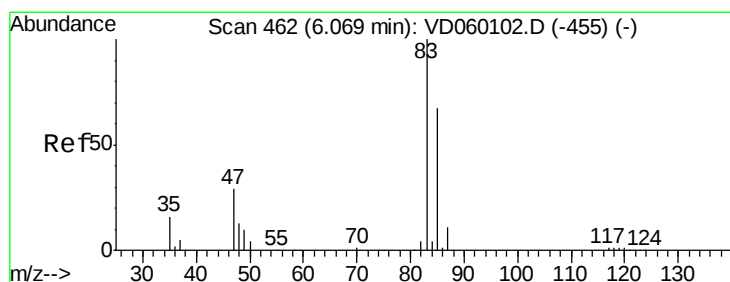
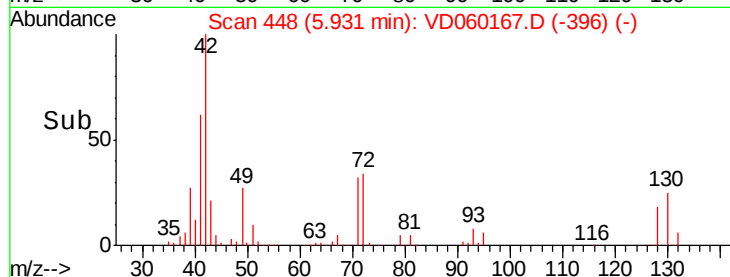
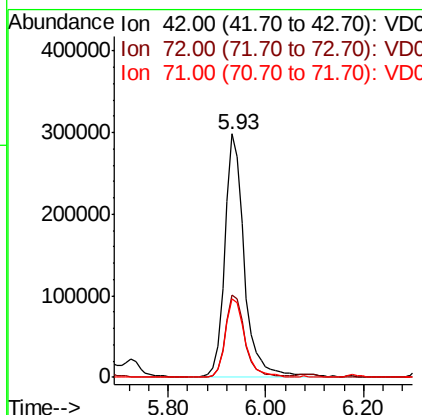
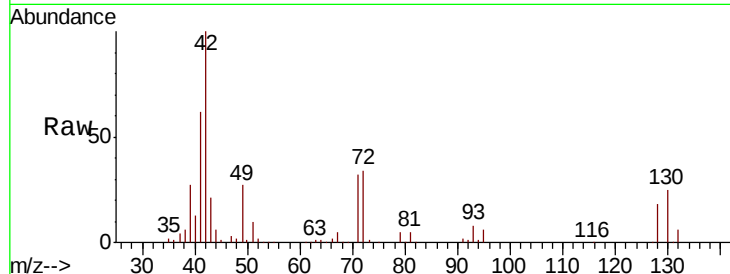
#29
Tetrahydrofuran
Concen: 263.740 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	26.9	40.3
71	32.7	26.7	40.1

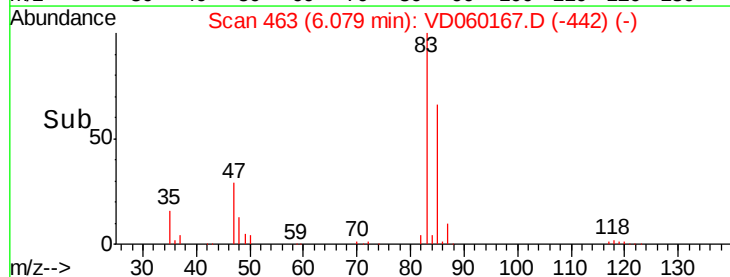
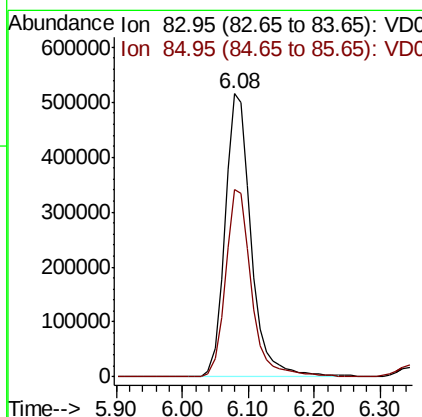
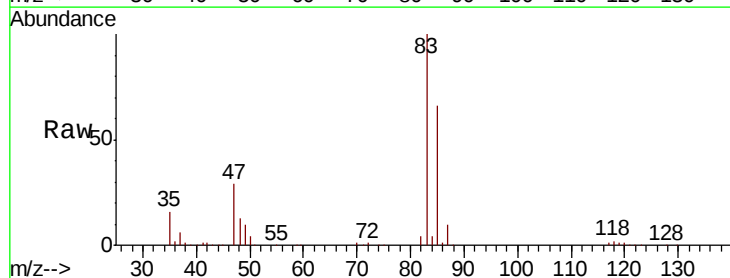
Manual Integrations
APPROVED

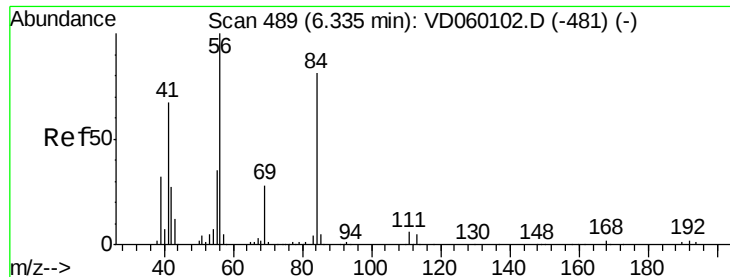
apatel
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#30
Chloroform
Concen: 52.355 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.8	80.8





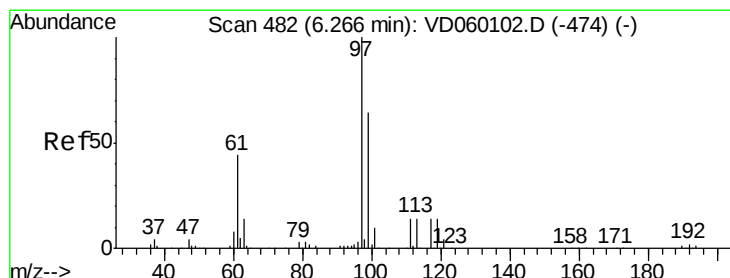
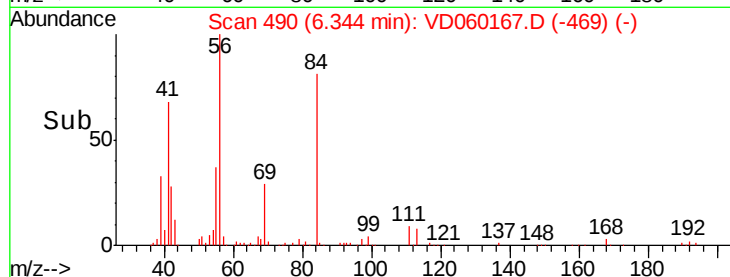
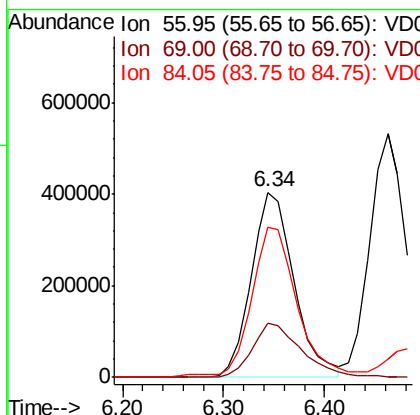
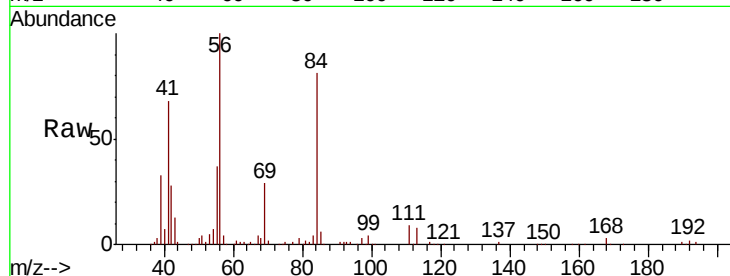
#31
Cyclohexane
Concen: 46.307 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.8	34.2
84	81.2	64.9	97.3

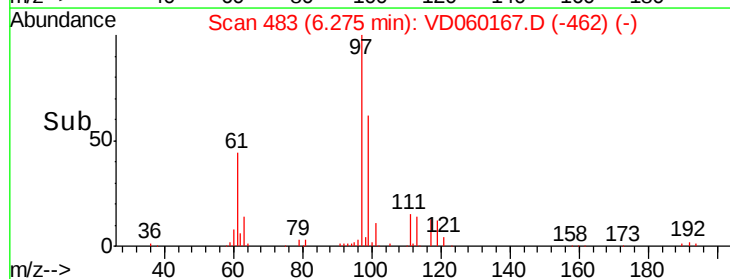
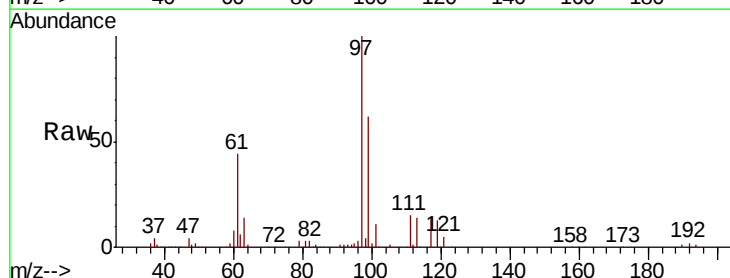
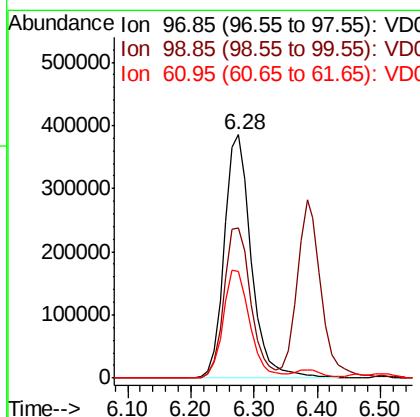
Manual Integrations
APPROVED

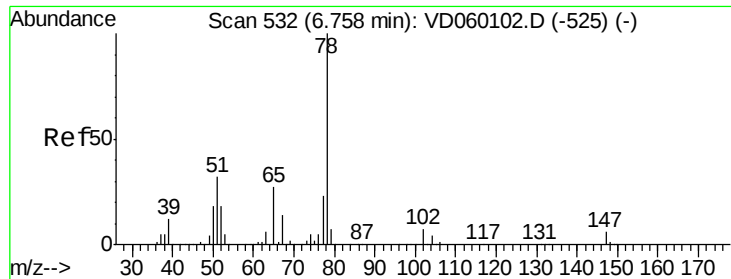
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.097 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.4	77.0
61	43.6	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 51.097 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Tot Ion: 65 Resp: 607053

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.2

Instrument :

MSVOA_D

ClientSampleId :

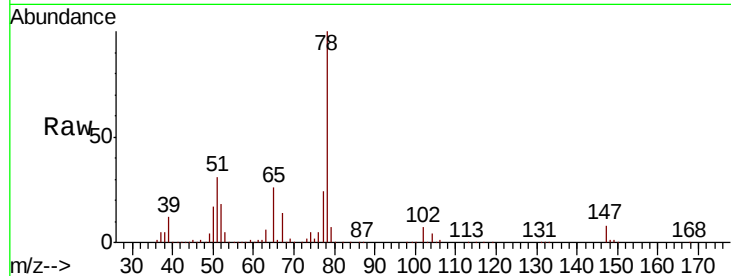
VSTDCCC050

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

250000

200000

150000

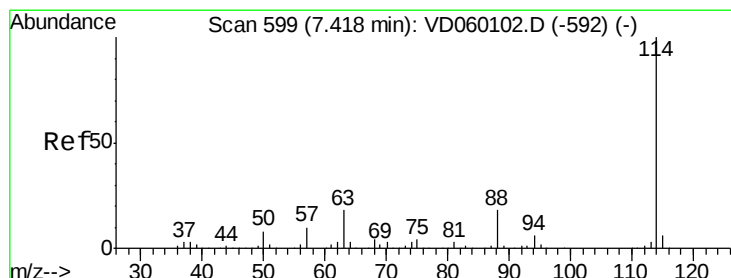
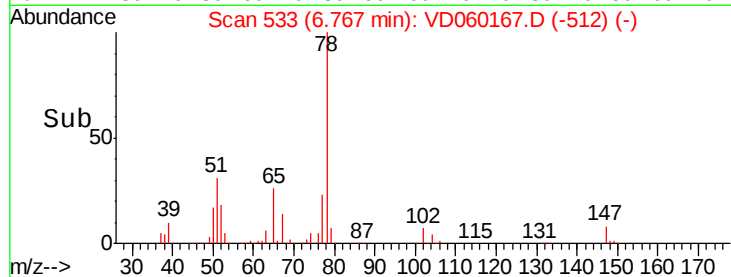
100000

50000

0

6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

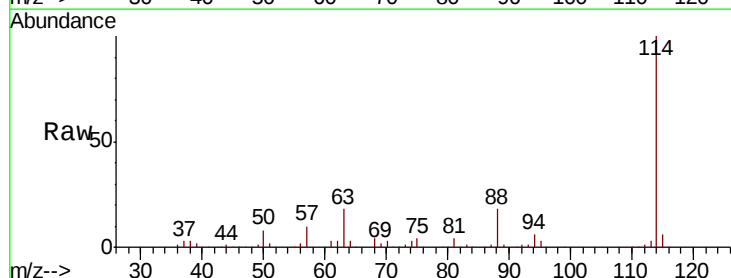
Tgt Ion:114 Resp: 2137598

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

88 18.2 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

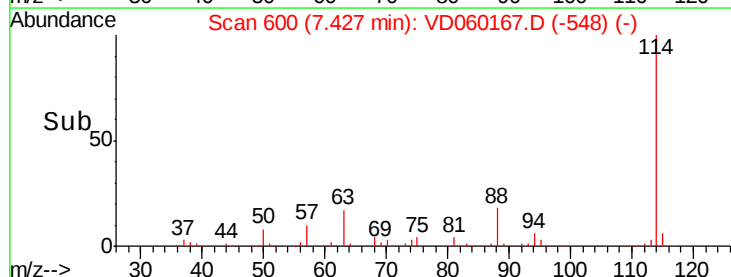
400000

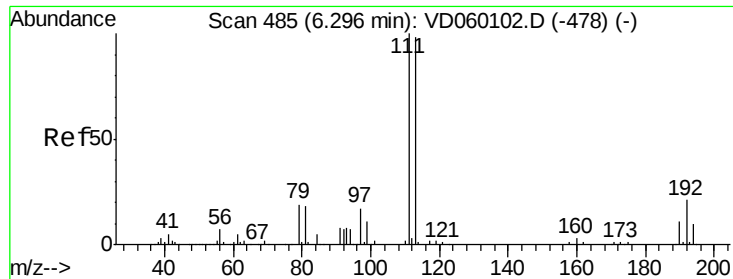
200000

0

7.30 7.40 7.50 7.60

Time-->





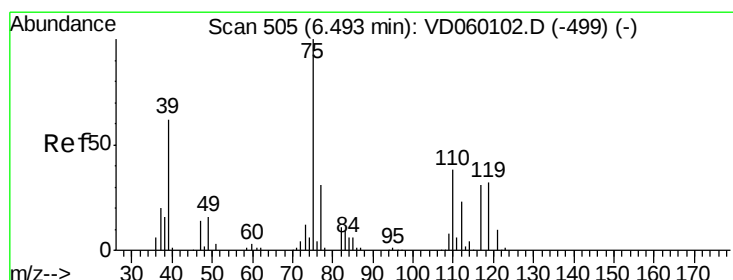
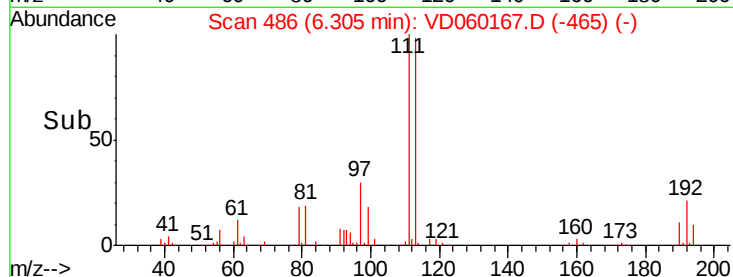
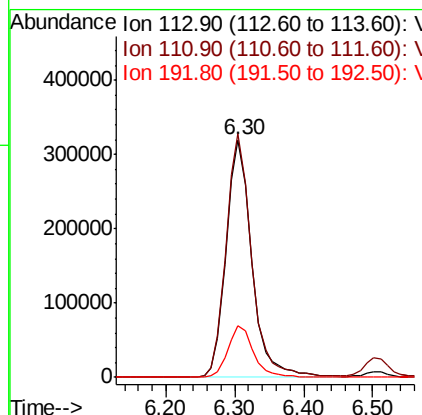
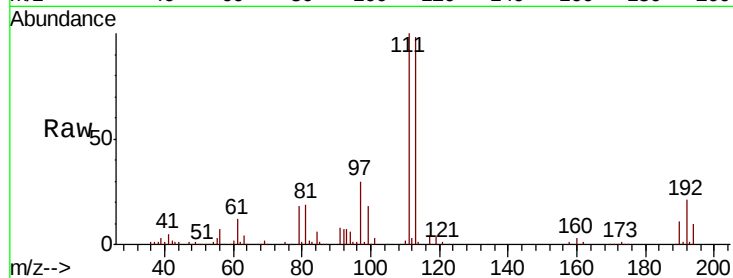
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.5	122.3	
192	21.9	17.4	26.0	

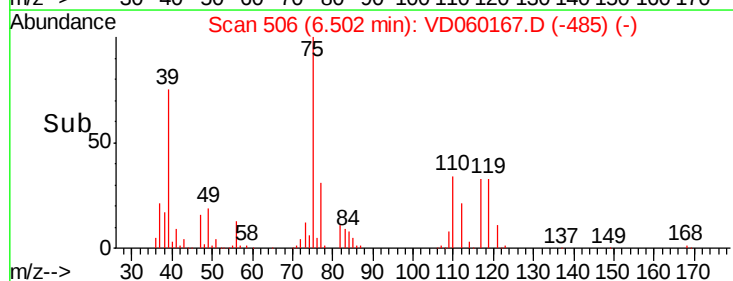
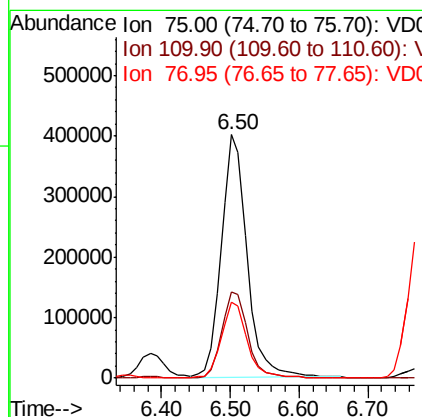
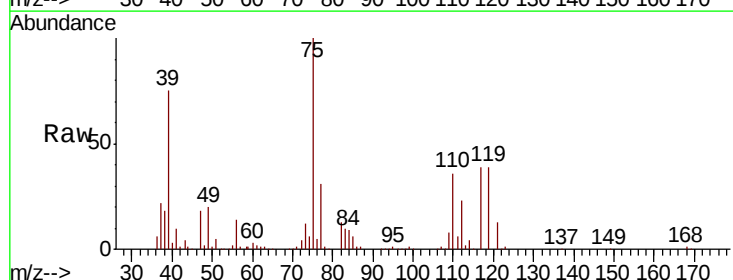
Manual Integrations
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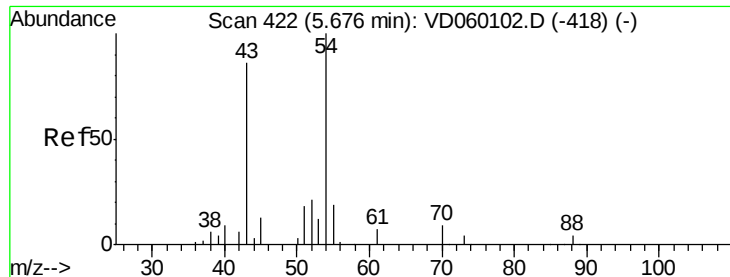
apatel
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#36
1,1-Dichloropropene
Concen: 50.427 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	19.0	57.0	
77	31.2	24.9	37.3	





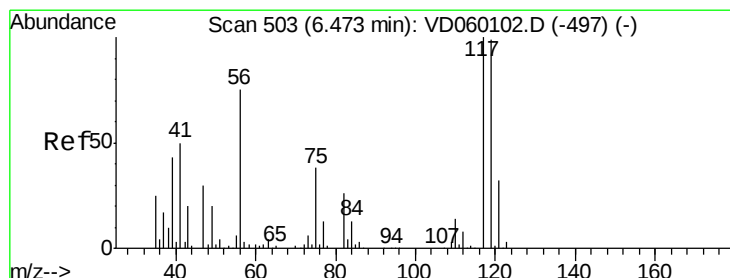
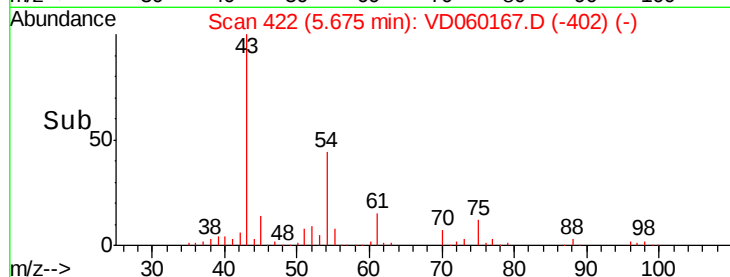
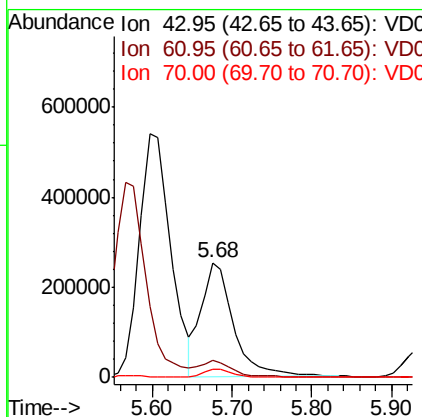
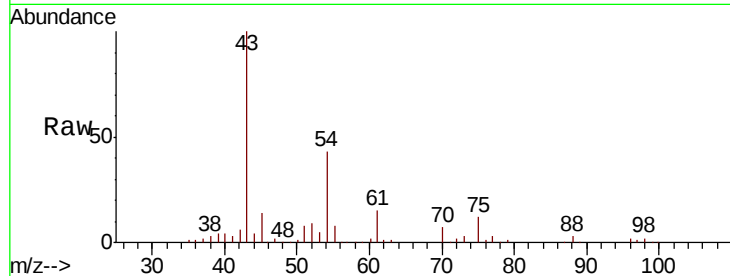
#37
Ethyl Acetate
Concen: 52.206 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.5	15.7
70	6.9	6.3	9.5

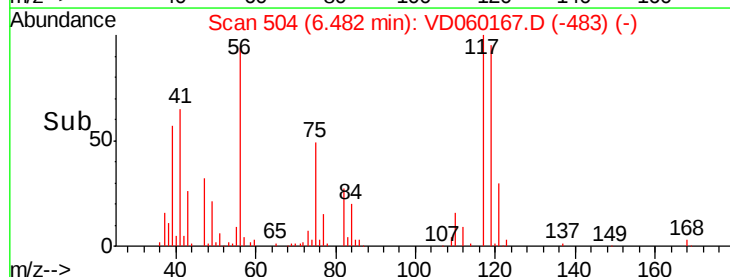
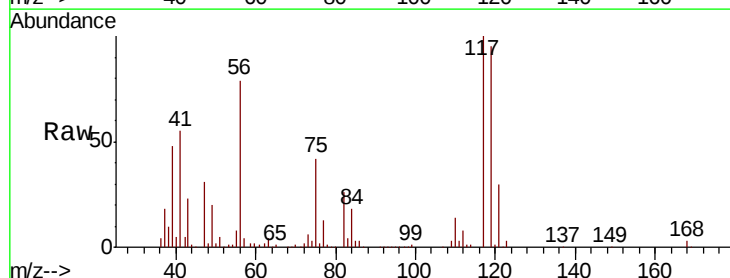
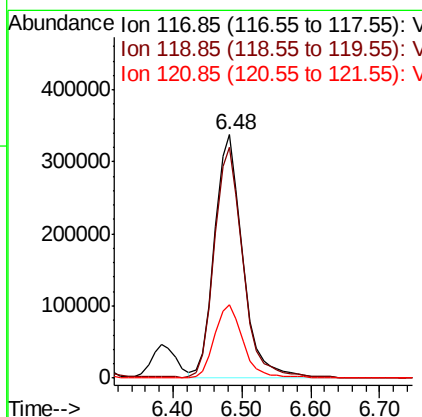
Manual Integrations
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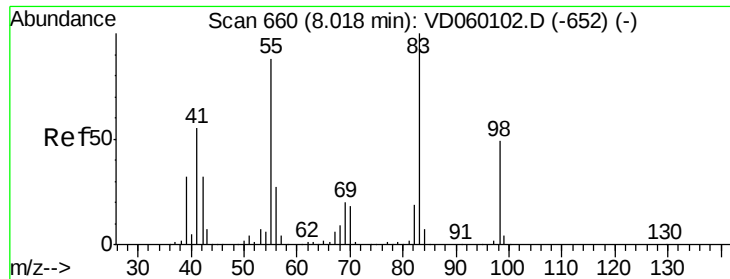
apatel
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#38
Carbon Tetrachloride
Concen: 50.929 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.6
121	30.4	24.8	37.2





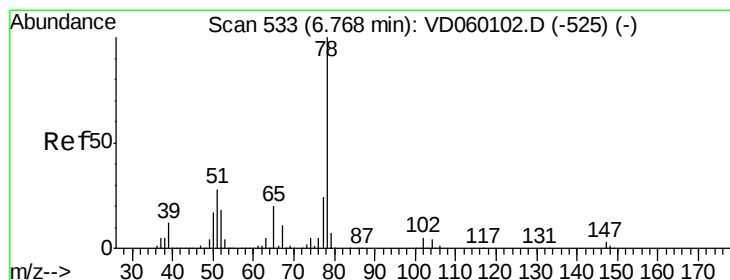
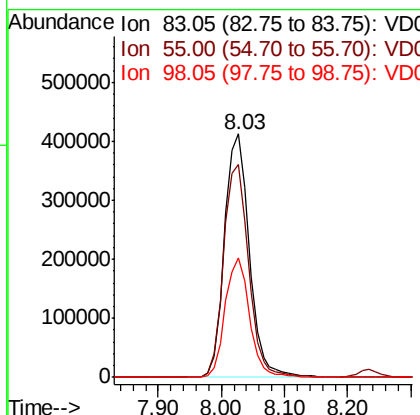
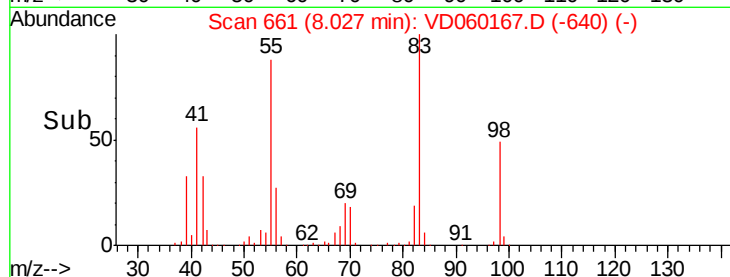
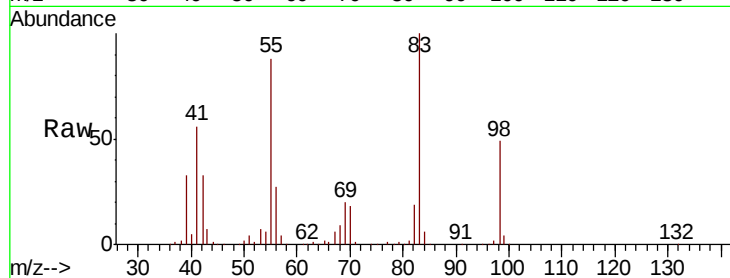
#39
Methvlcvclohexane
Concen: 48.688 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1129994
Ion Ratio Lower Upper
83 100
55 87.6 70.5 105.7
98 49.0 39.4 59.2

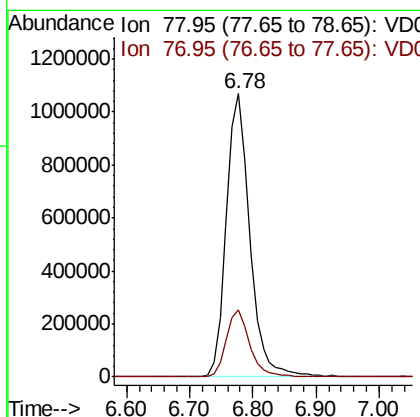
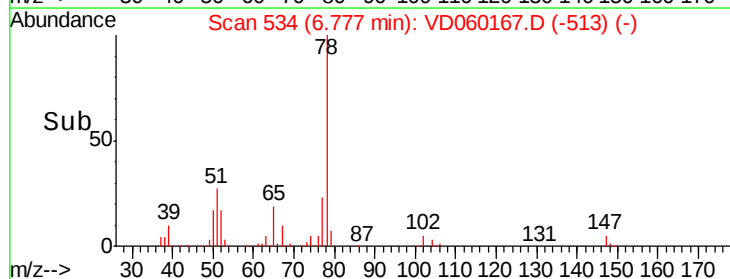
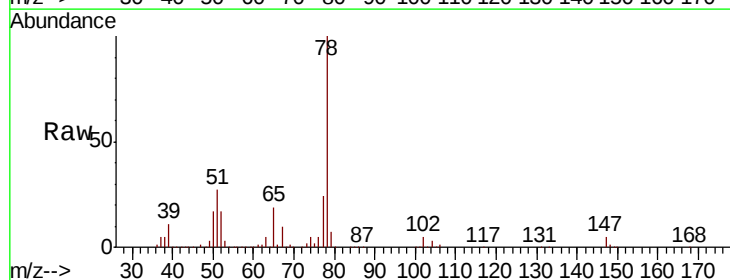
Manual Integrations
APPROVED

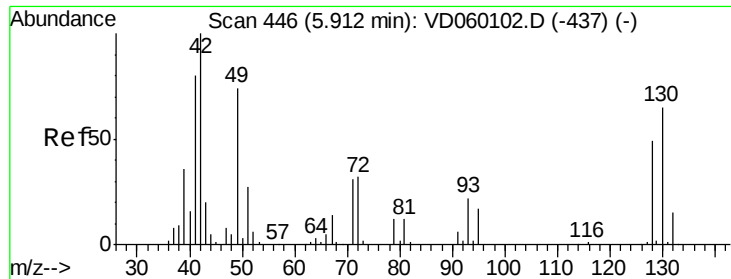
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#40
Benzene
Concen: 51.464 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion: 78 Resp: 2750214
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





#41

Methacrylonitrile

Concen: 46.193 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 354004

Ion Ratio Lower Upper

41 100

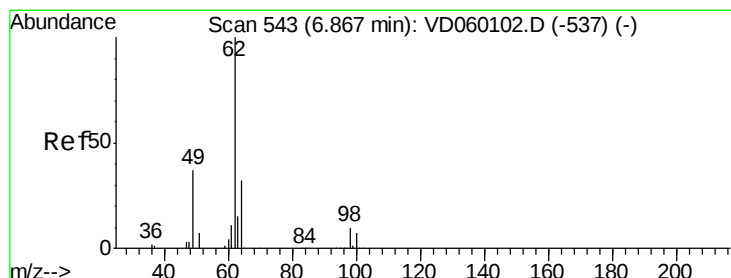
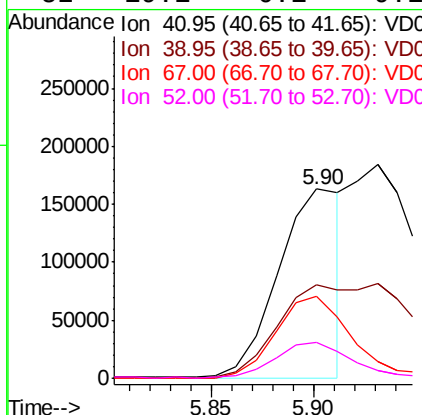
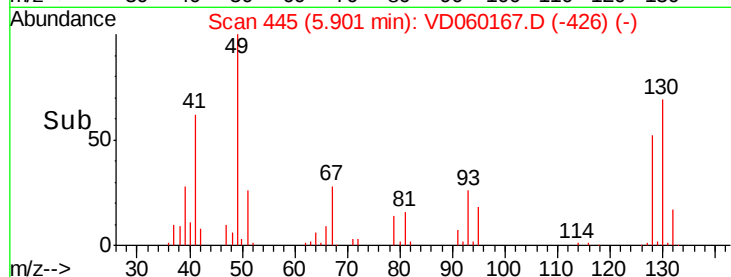
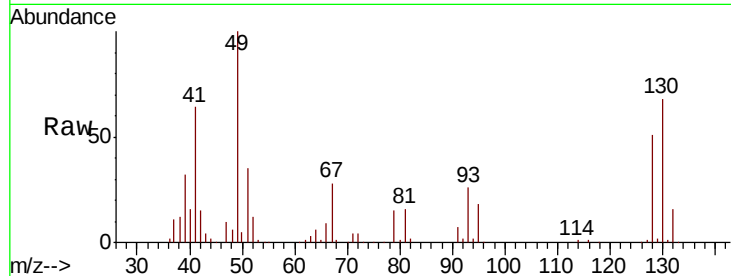
39 49.7 36.0 54.0

67 43.3 13.9 20.9#

52 19.1 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.268 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060167.D

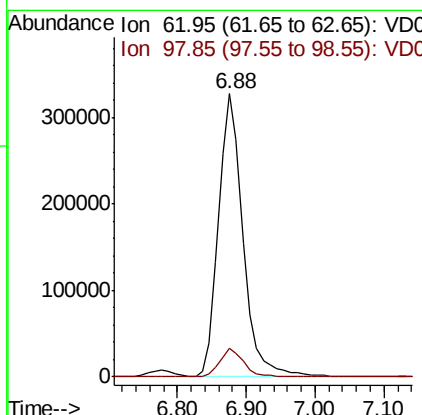
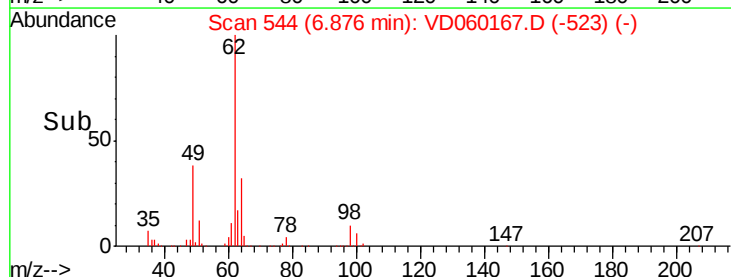
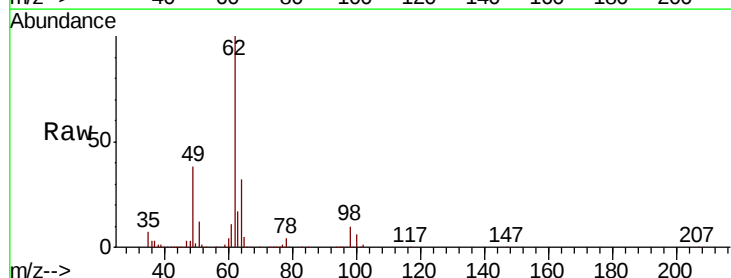
Acq: 10 Oct 2018 10:54

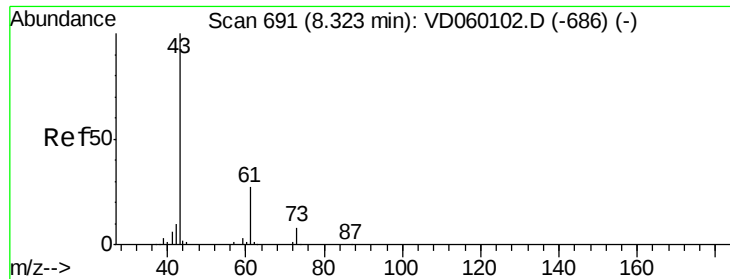
Tgt Ion: 62 Resp: 800793

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





#43

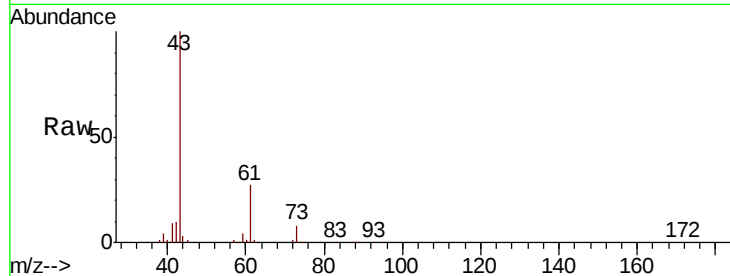
Isopropyl Acetate
 Concen: 50.099 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

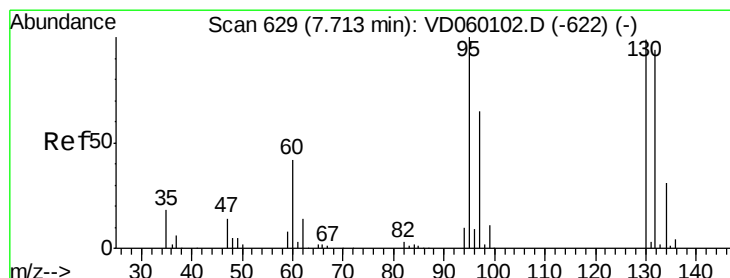
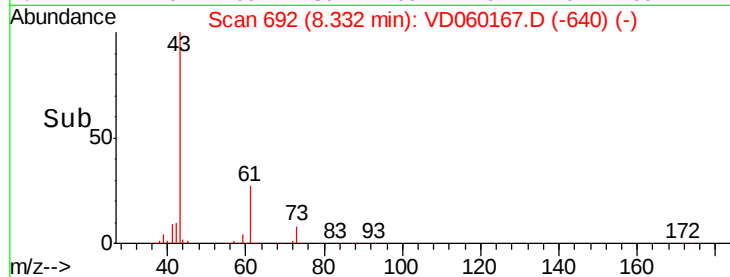
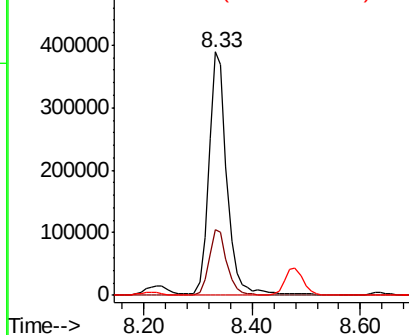
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.4	32.2
87	0.3	0.2	0.2#

Manual Integrations
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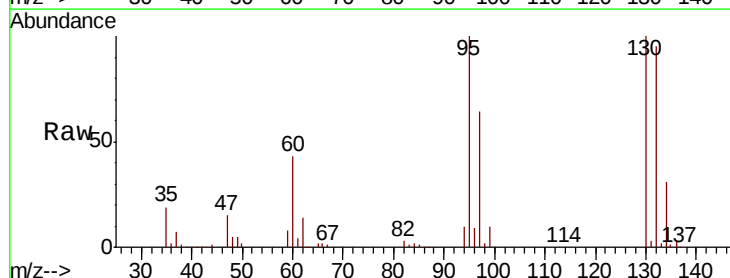
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



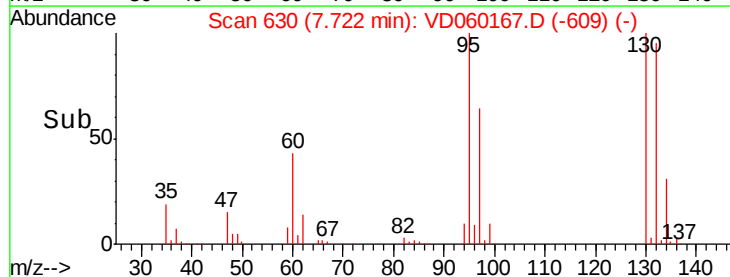
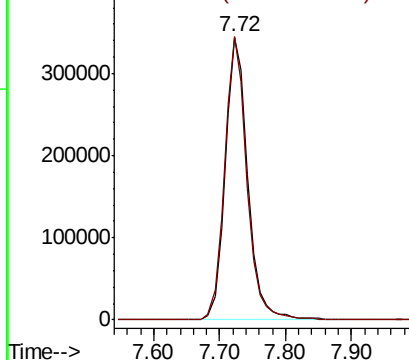
#44

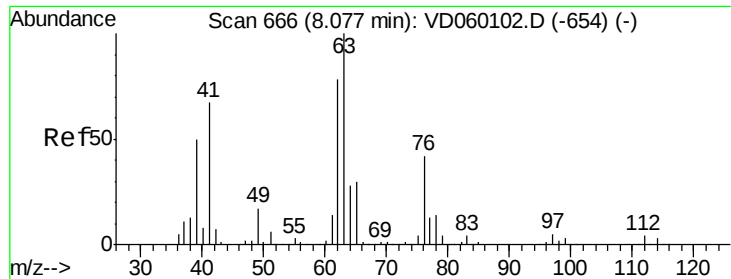
Trichloroethene
 Concen: 49.753 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.107 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 715128

Ion Ratio Lower Upper

63 100

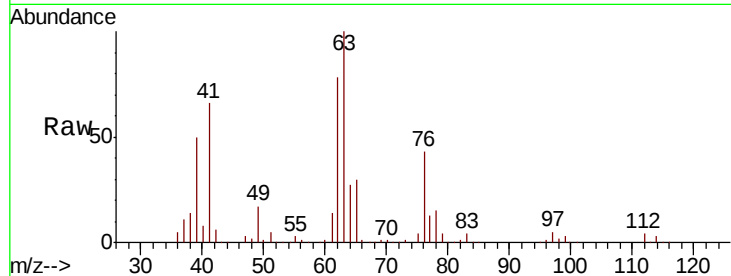
65 30.3 24.1 36.1

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

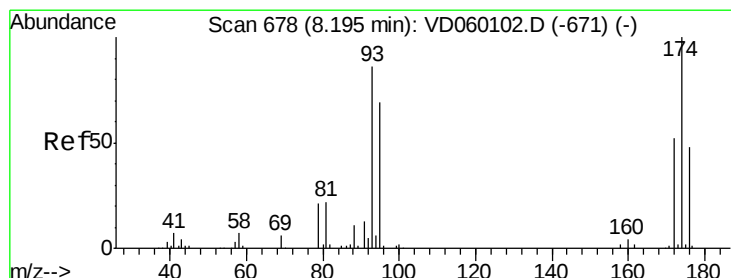
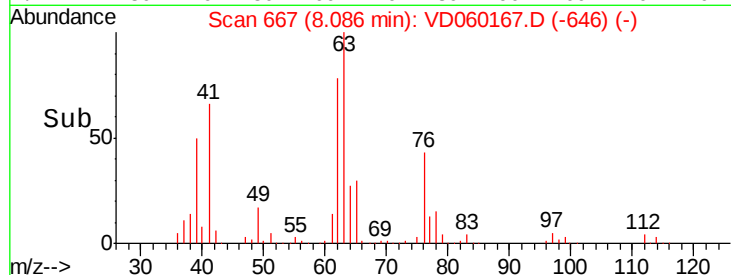
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 51.960 ug/l

RT: 8.20 min Scan# 679

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

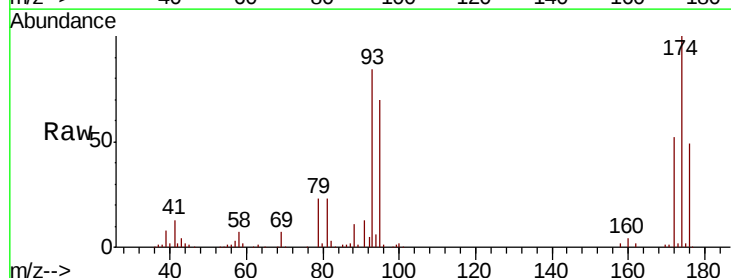
Tgt Ion: 93 Resp: 470718

Ion Ratio Lower Upper

93 100

95 84.0 63.8 95.6

174 119.4 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

300000

250000

200000

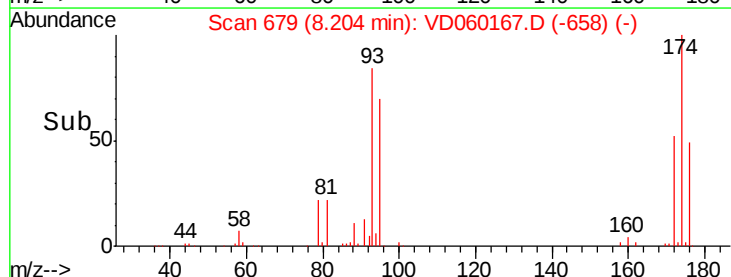
150000

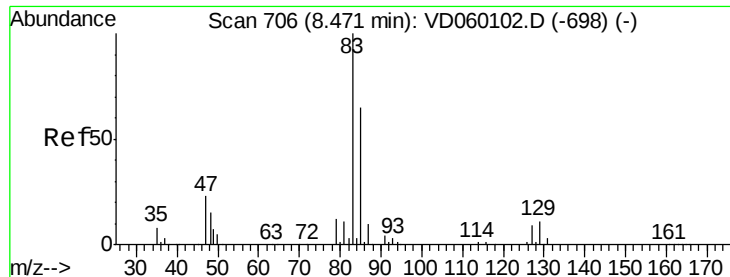
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.782 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1038116

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.2

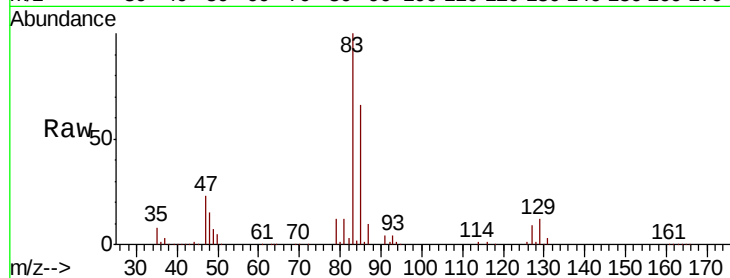
127 8.8 7.4 11.0

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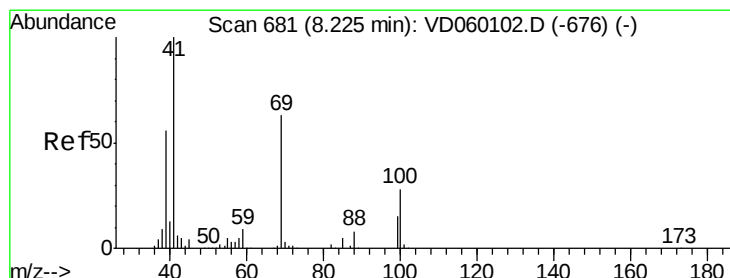
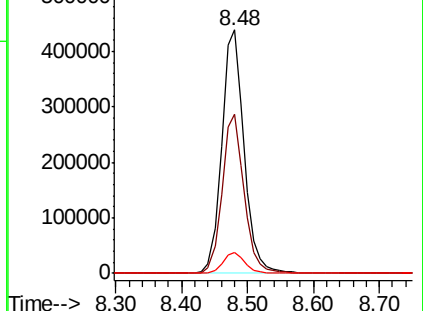
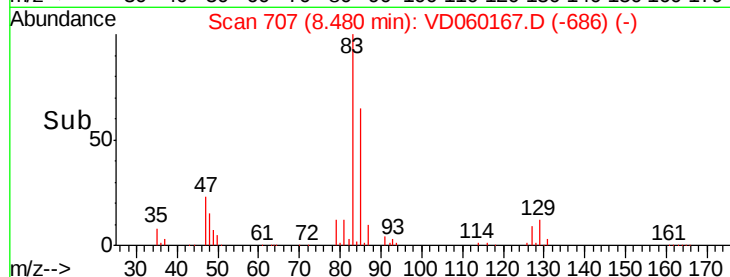
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.860 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

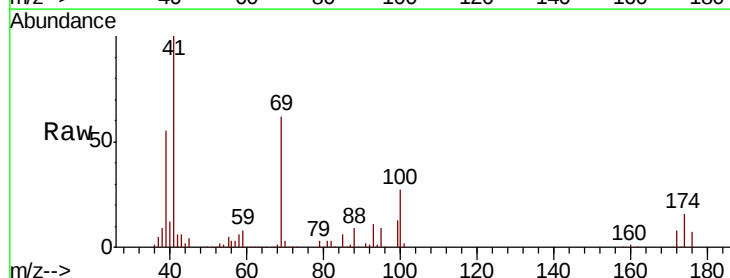
Tgt Ion: 41 Resp: 547243

Ion Ratio Lower Upper

41 100

69 61.7 49.7 74.5

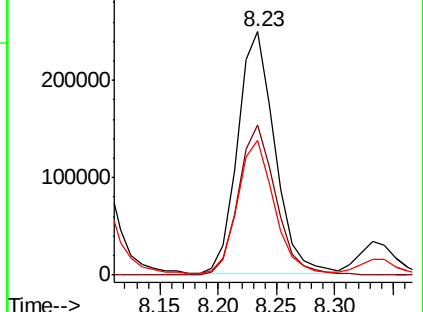
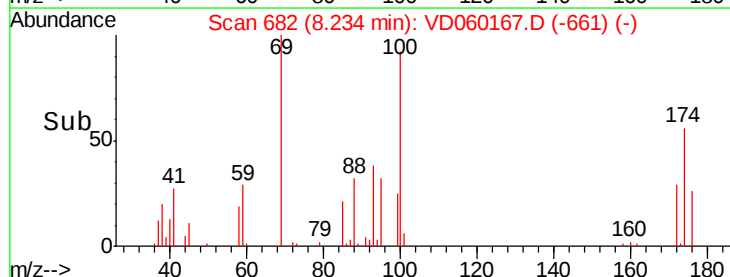
39 55.3 45.2 67.8

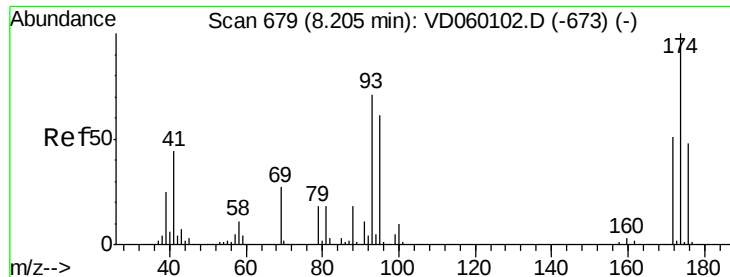


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





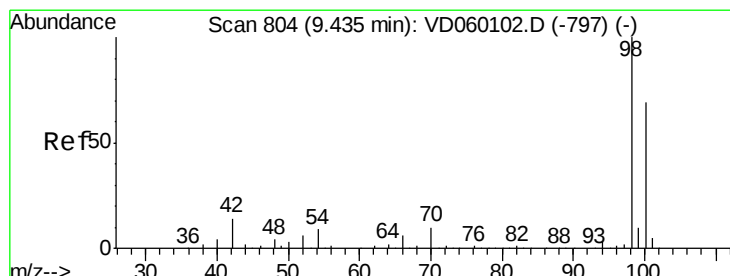
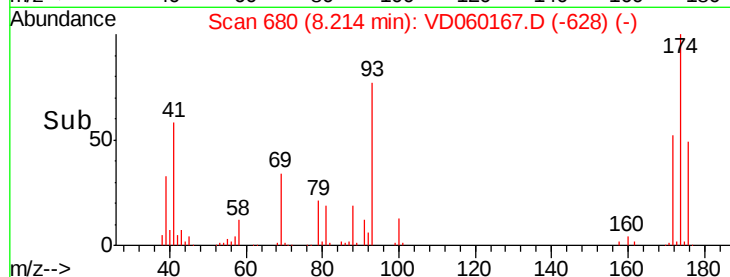
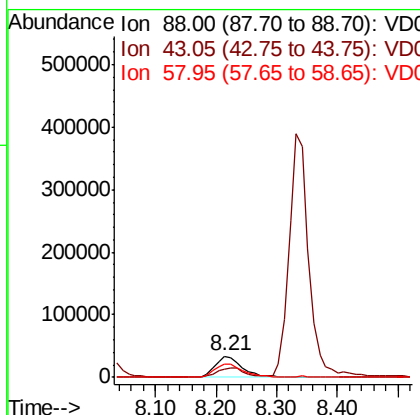
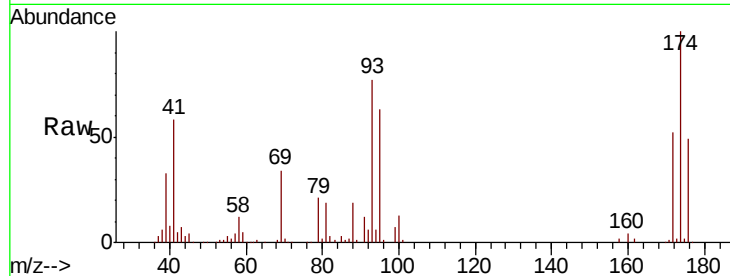
#49
 1,4-Dioxane
 Concen: 1062.381 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	106208
Ion Ratio	100	Lower	Upper
88	100		
43	39.5	33.7	50.5
58	61.7	49.1	73.7

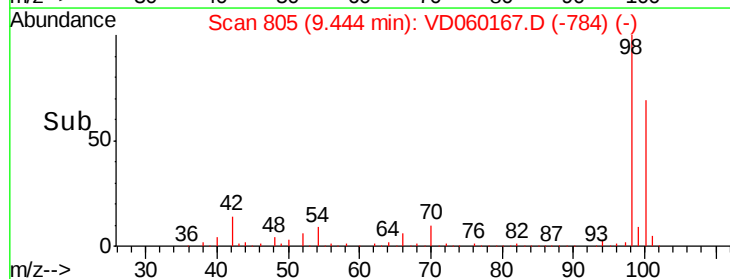
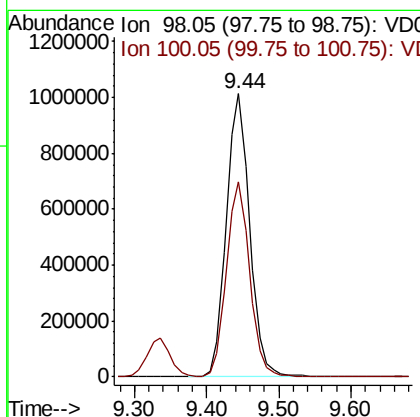
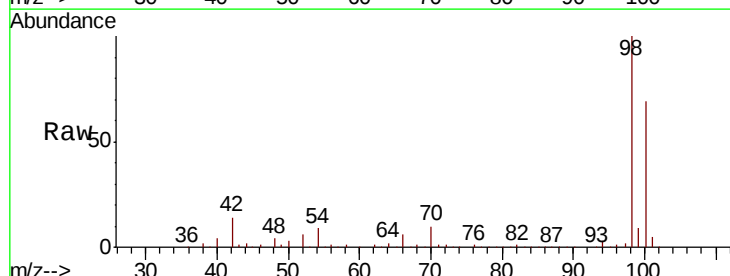
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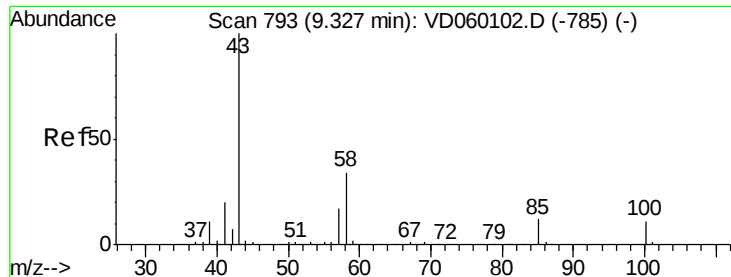
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#50
 Toluene-d8
 Concen: 1062.381 ug/l
 RT: 9.44 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	98	Resp	2281002
Ion Ratio	100	Lower	Upper
98	100		
100	69.0	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 261.636 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2943583

Ion Ratio Lower Upper

43 100

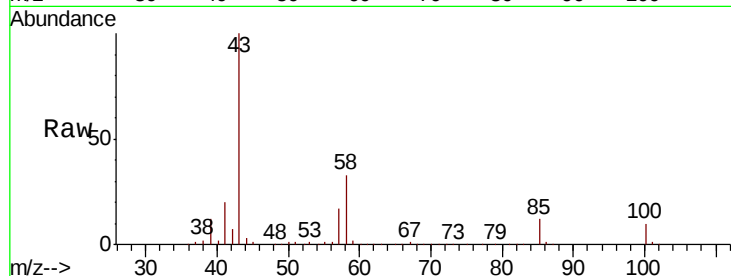
58 32.8 27.2 40.8

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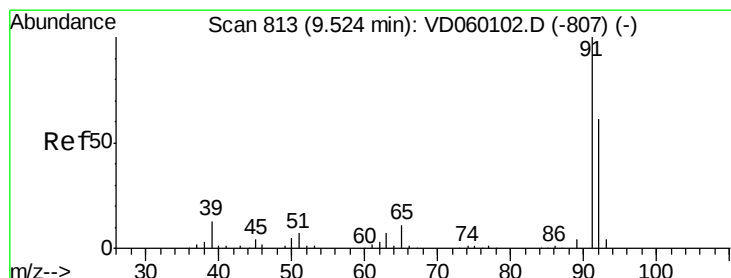
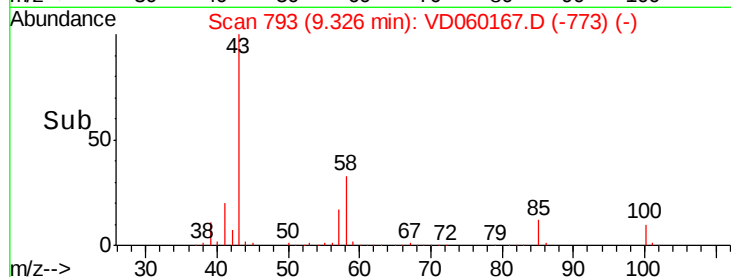
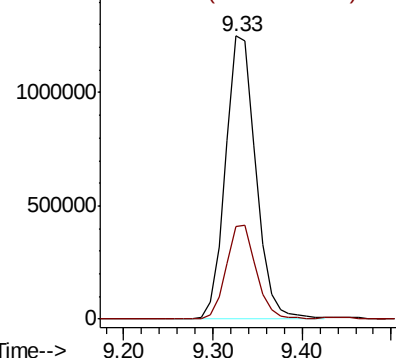
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.546 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060167.D

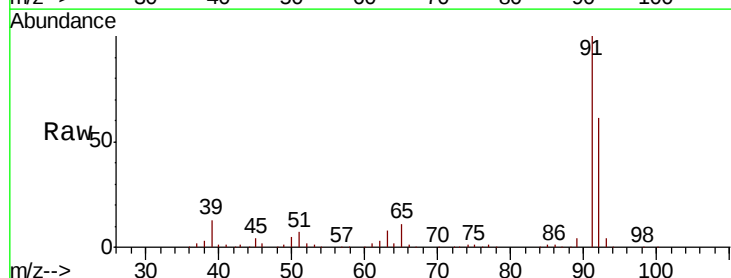
Acq: 10 Oct 2018 10:54

Tgt Ion: 92 Resp: 1705199

Ion Ratio Lower Upper

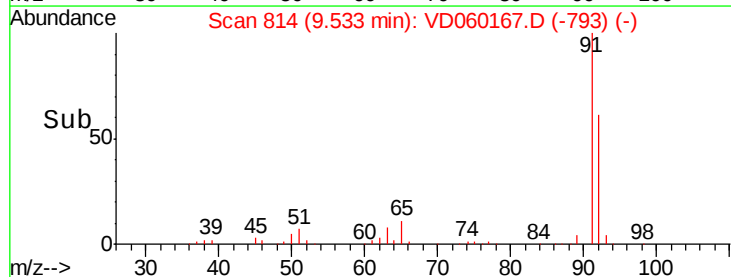
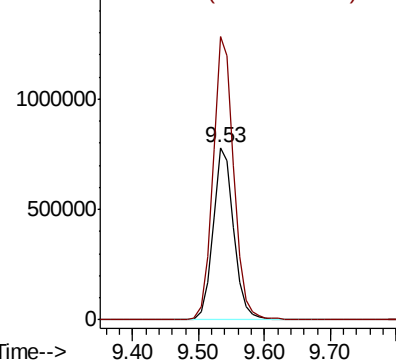
92 100

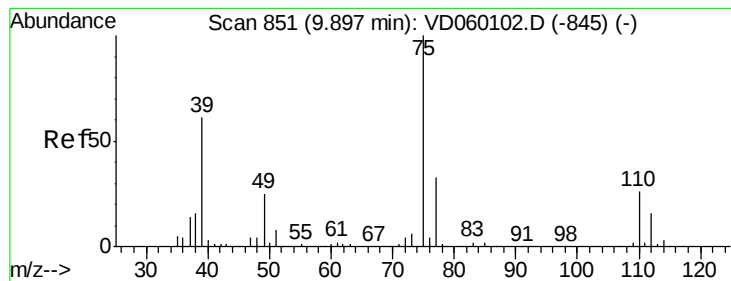
91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.598 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Tot Ion: 75 Resp: 953588

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

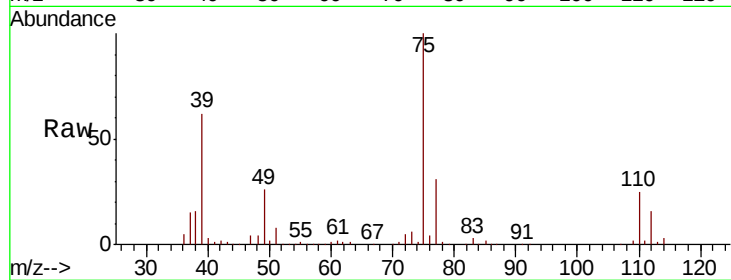
VSTDCCC050

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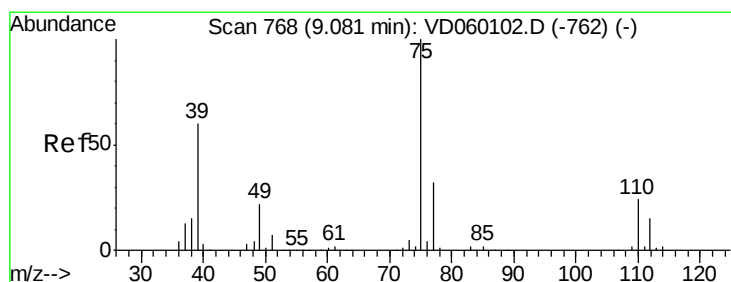
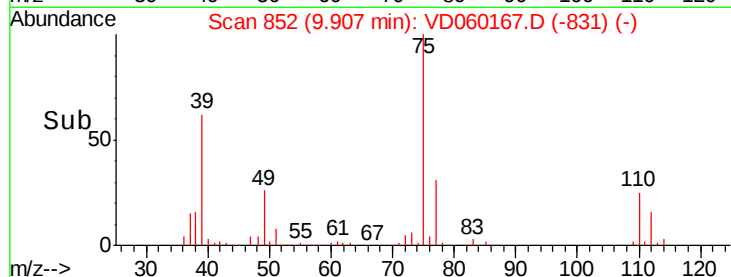
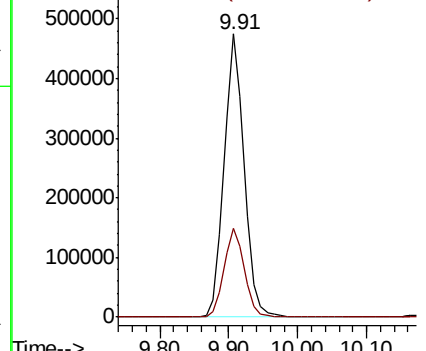
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.123 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

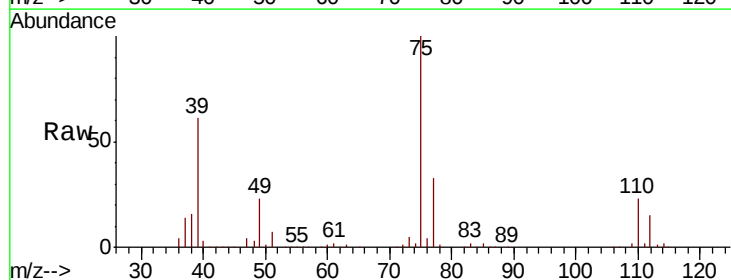
Tgt Ion: 75 Resp: 1145727

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

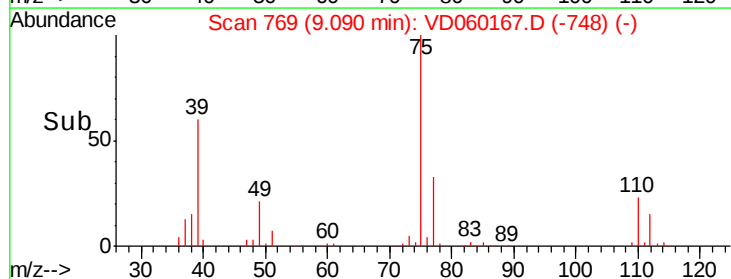
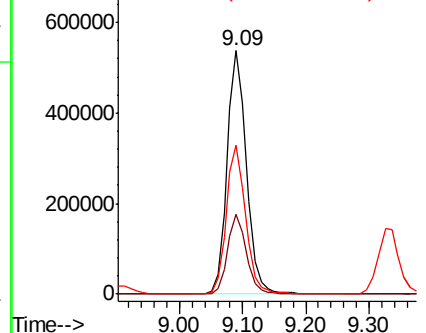
39 60.9 48.2 72.4

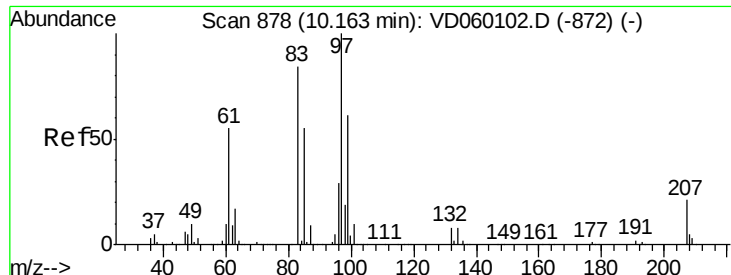


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





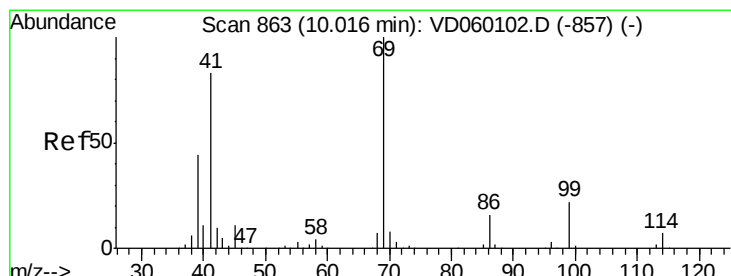
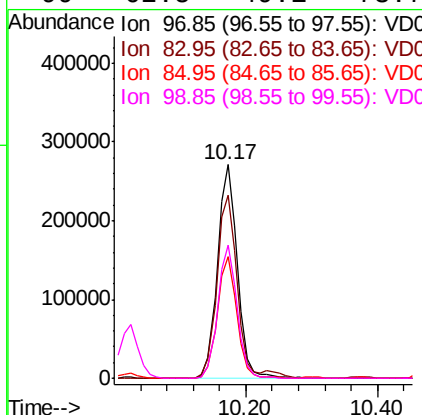
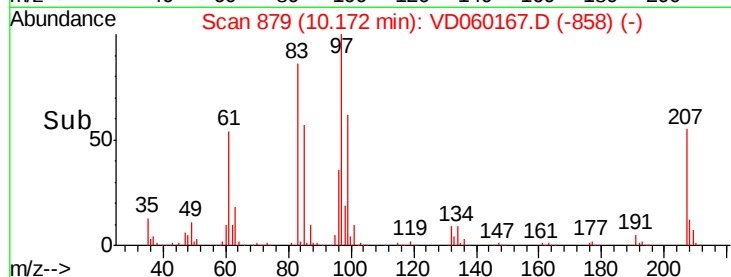
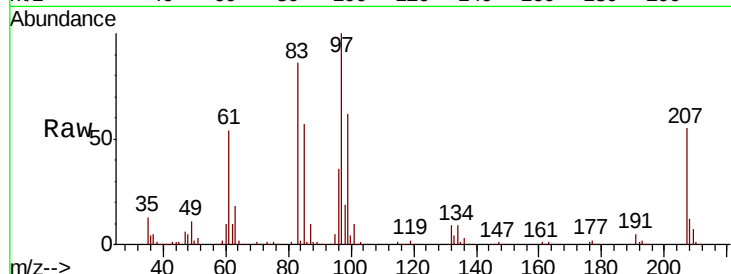
#55
 1,1,2-Trichloroethane
 Concen: 50.248 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		565363		
83	85.7	67.0	100.6		
85	57.0	43.9	65.9		
99	62.5	49.1	73.7		

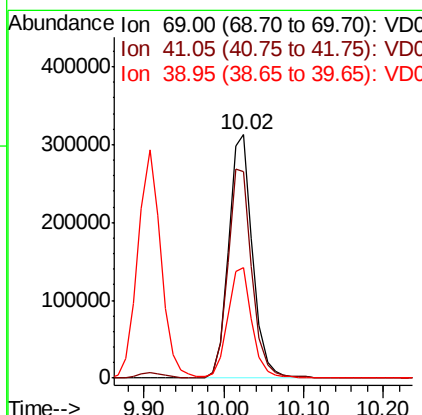
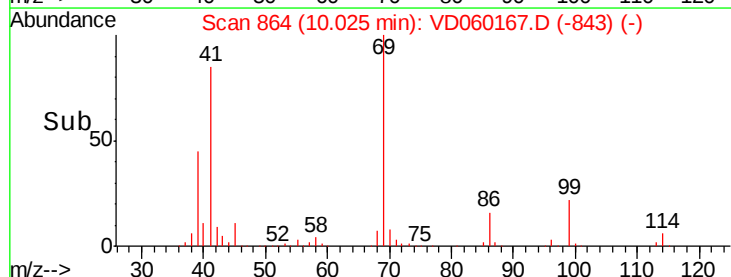
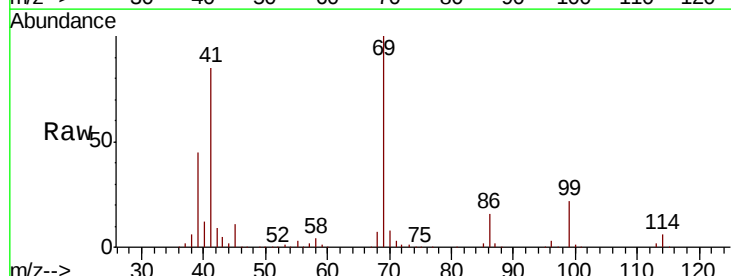
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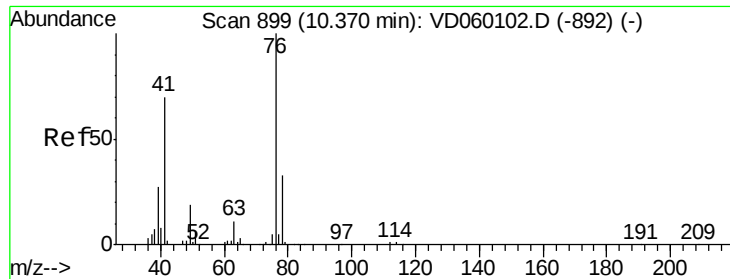
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#56
 Ethyl methacrylate
 Concen: 53.053 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		658913		
41	84.8	66.6	100.0		
39	45.3	36.0	54.0		





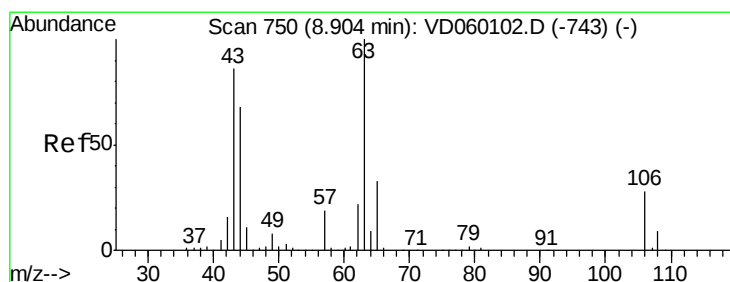
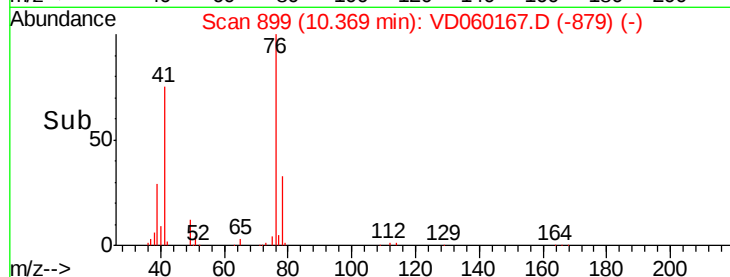
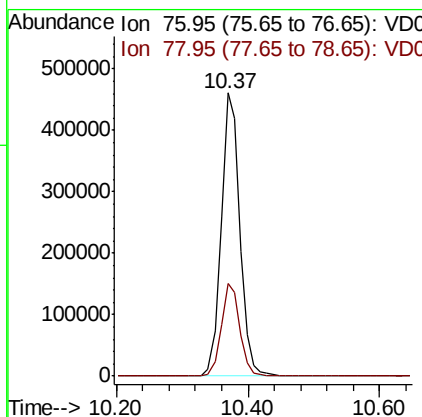
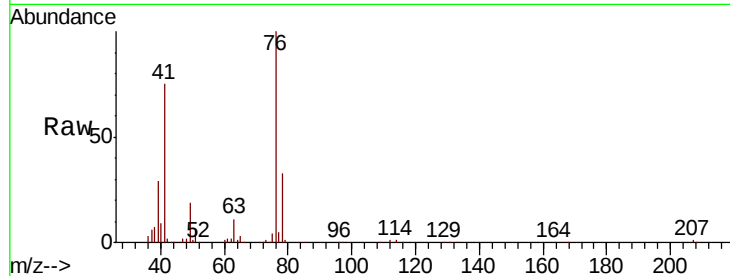
#57
 1,3-Dichloropropane
 Concen: 52.892 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 907607
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

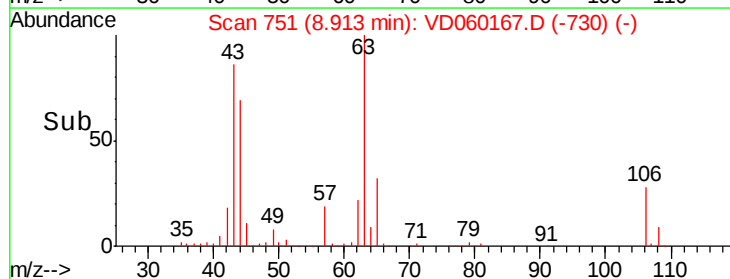
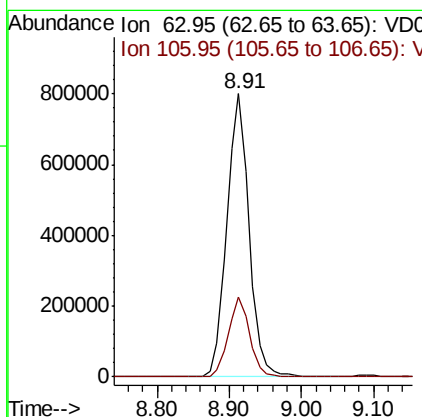
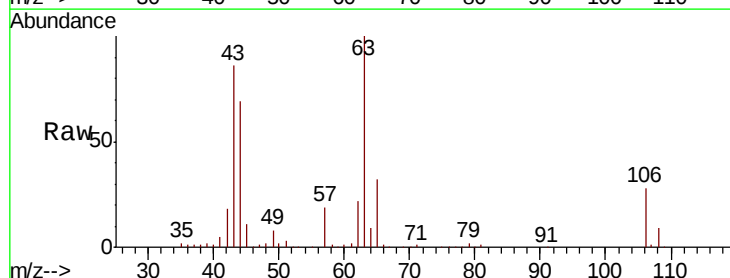
Manual Integrations
 APPROVED

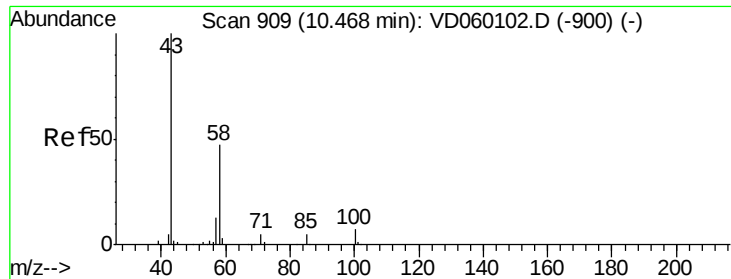
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 248.150 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion: 63 Resp: 1711453
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 34.0





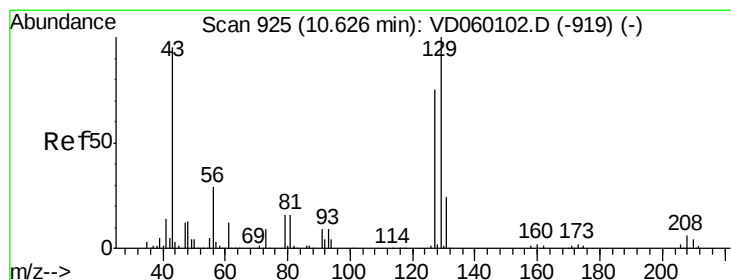
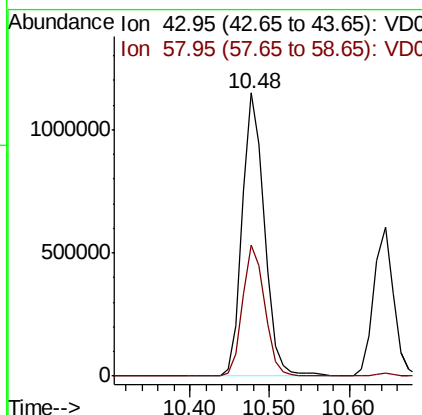
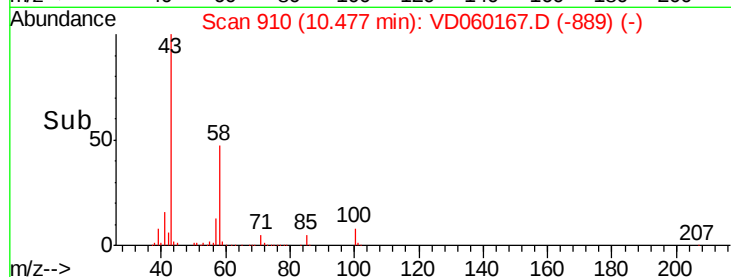
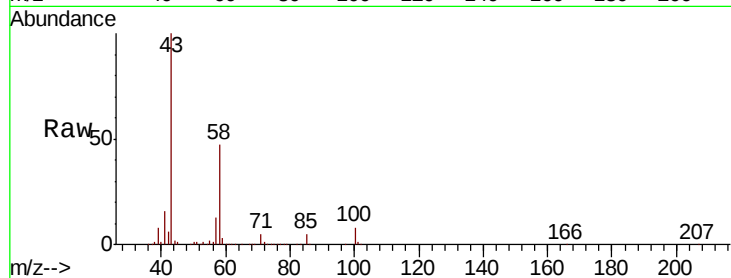
#59
2-Hexanone
Concen: 272.965 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2208326
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.9

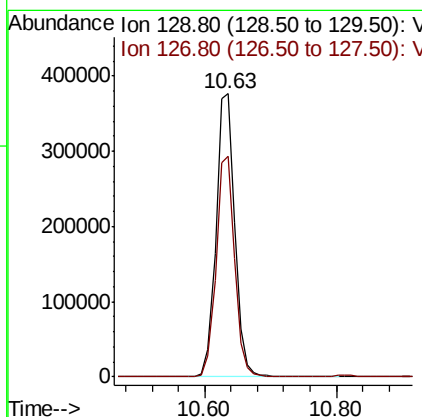
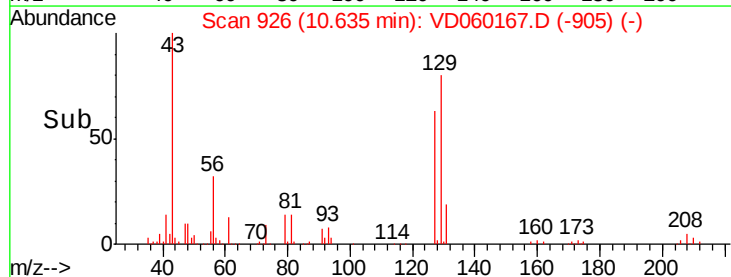
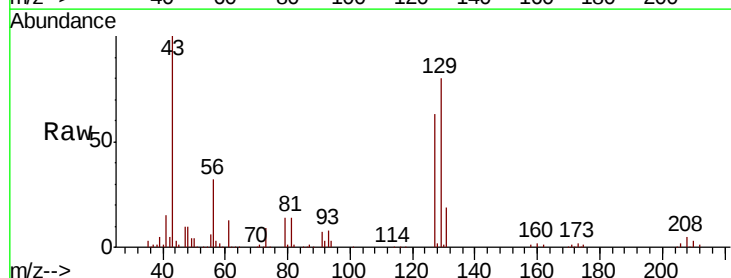
Manual Integrations
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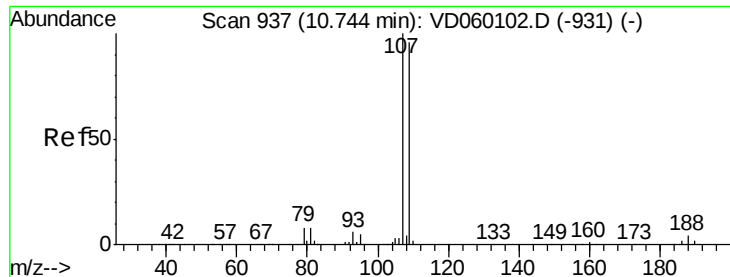
apatel
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#60
Dibromochloromethane
Concen: 53.524 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion: 129 Resp: 738879
Ion Ratio Lower Upper
129 100
127 78.1 37.4 112.2





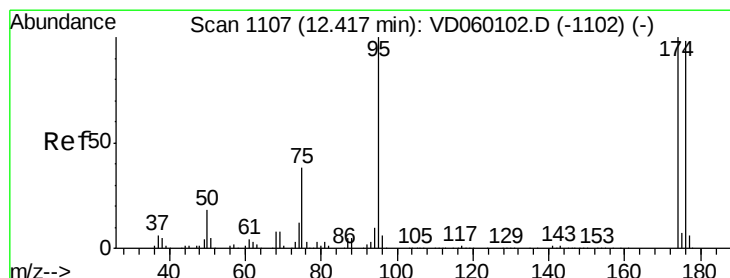
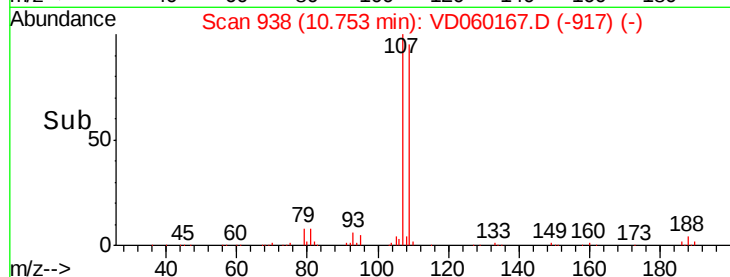
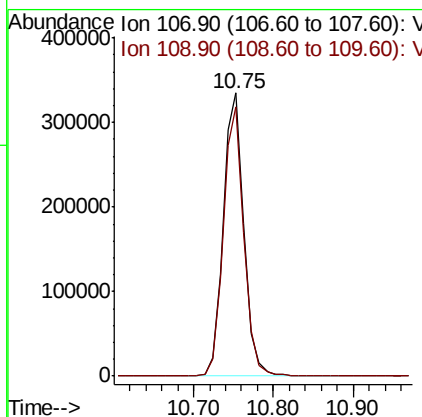
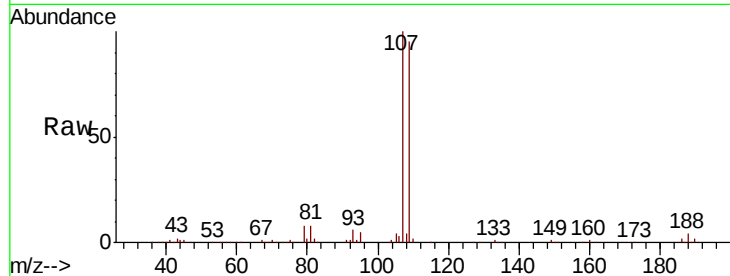
#61
 1,2-Dibromoethane
 Concen: 50.955 ug/l
 RT: 10.75 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.1	115.7

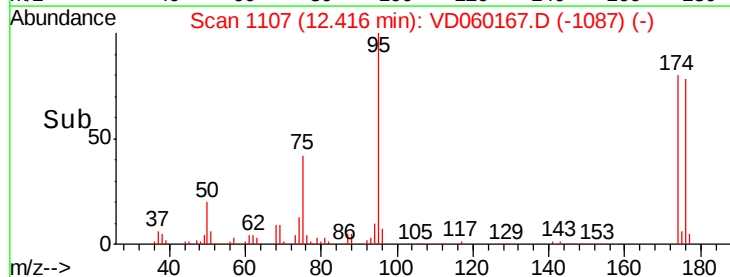
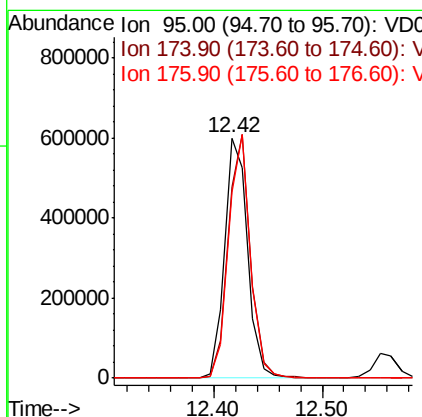
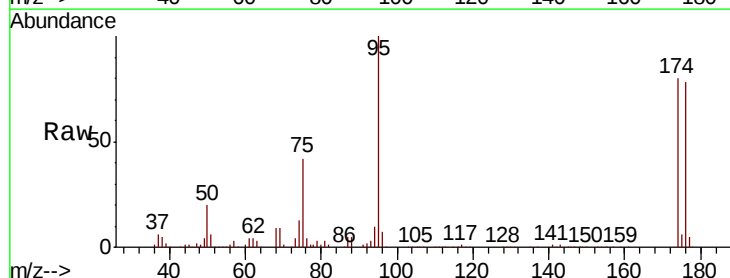
Manual Integrations
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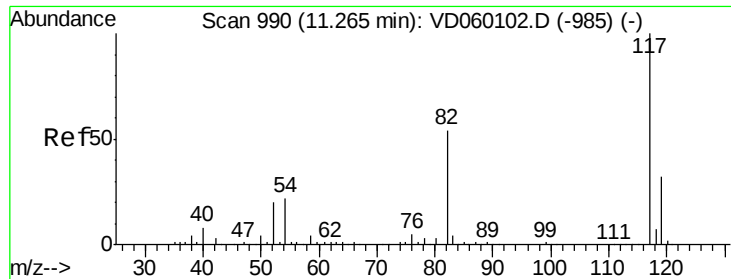
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.955 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	200.2
176	77.8	0.0	195.6





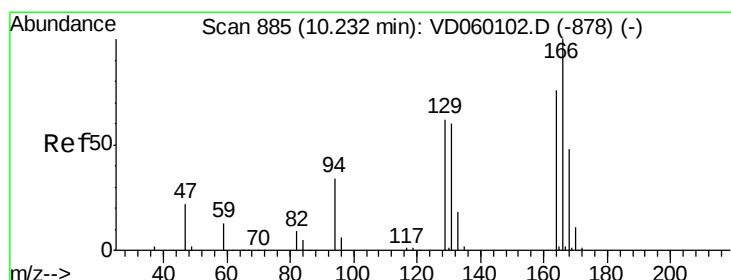
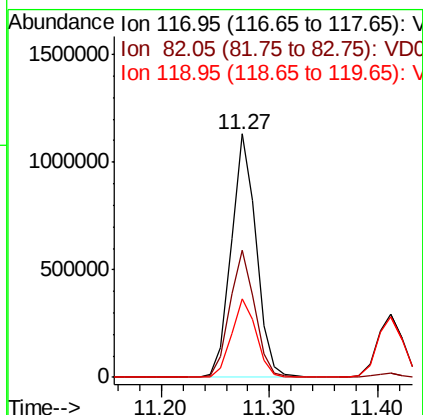
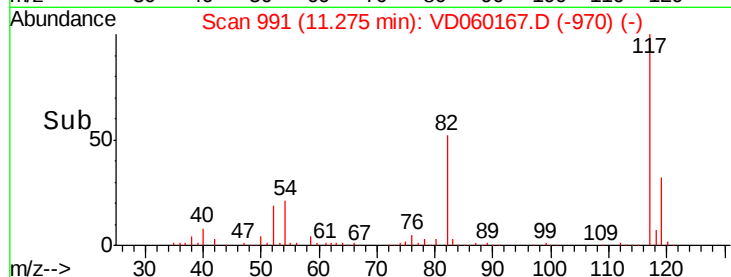
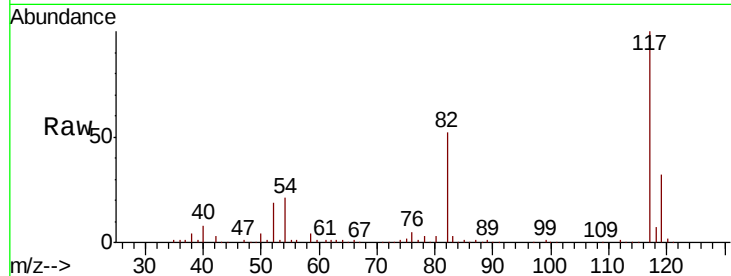
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1809649
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.2
119 32.3 26.0 39.0

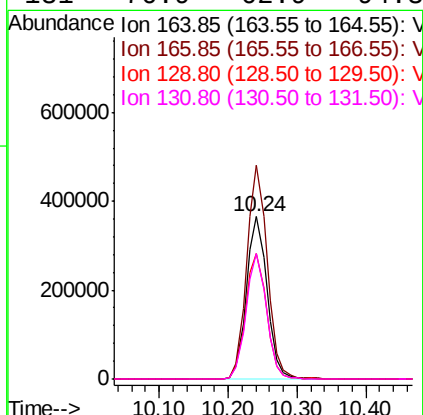
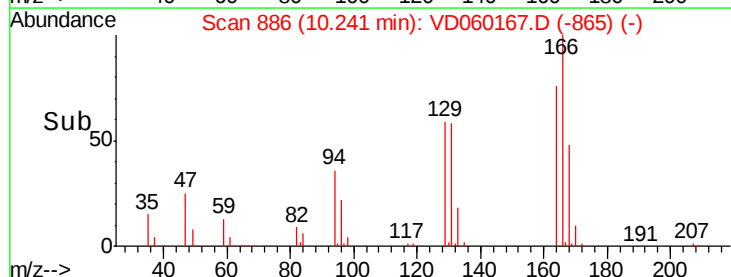
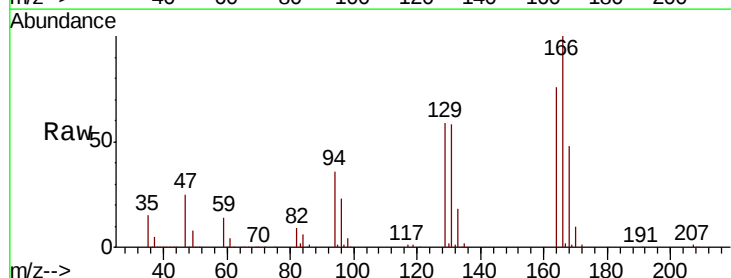
Manual Integrations
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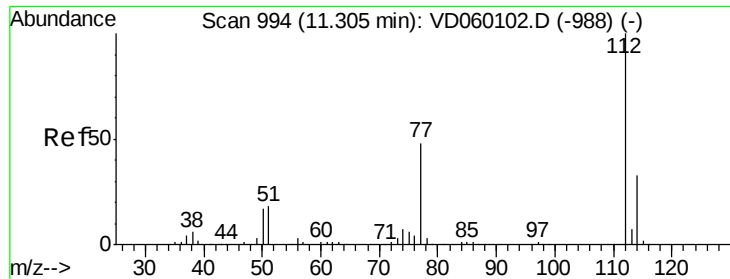
apatel
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#64
Tetrachloroethene
Concen: 47.997 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion:164 Resp: 760743
Ion Ratio Lower Upper
164 100
166 131.6 105.4 158.0
129 77.7 65.7 98.5
131 76.9 62.9 94.3





#65

Chlorobenzene

Concen: 48.688 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1906100

Ion Ratio Lower Upper

112 100

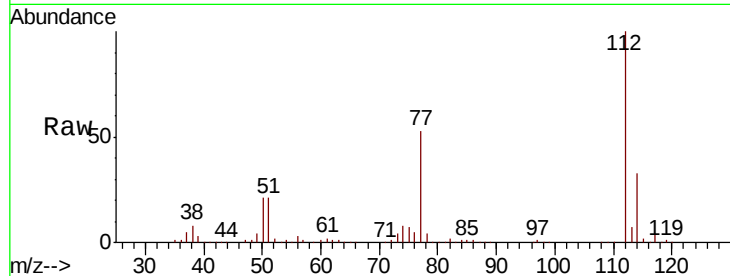
114 32.9 26.0 39.0

Manual Integrations

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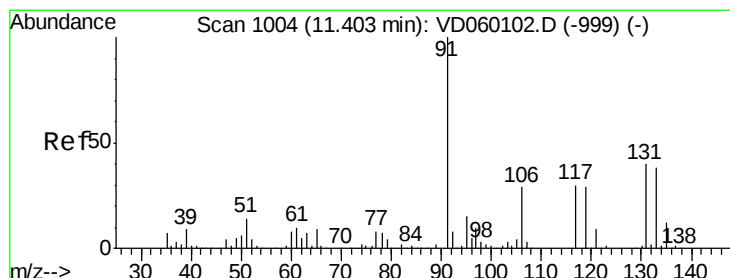
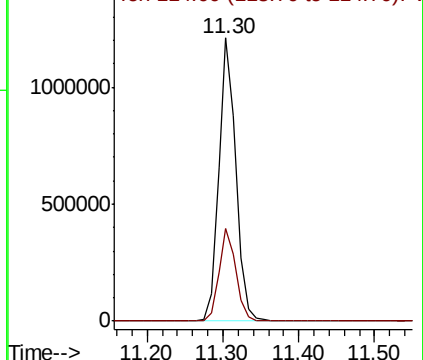
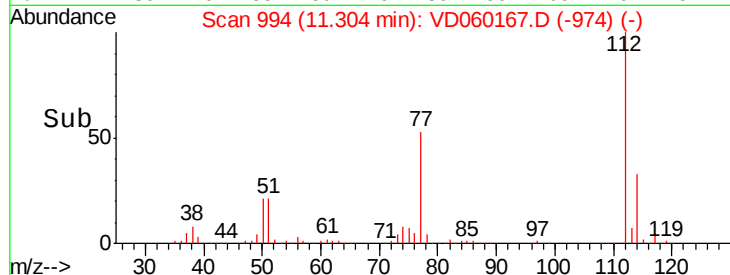
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.666 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

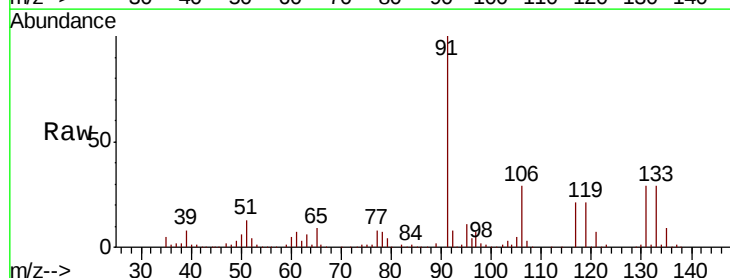
Tgt Ion:131 Resp: 661716

Ion Ratio Lower Upper

131 100

133 99.4 47.4 142.3

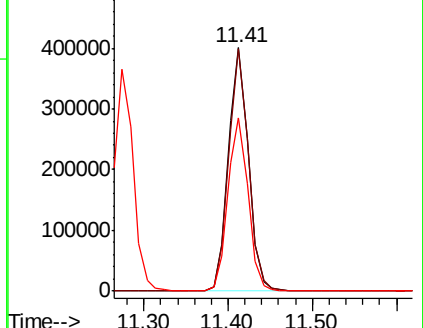
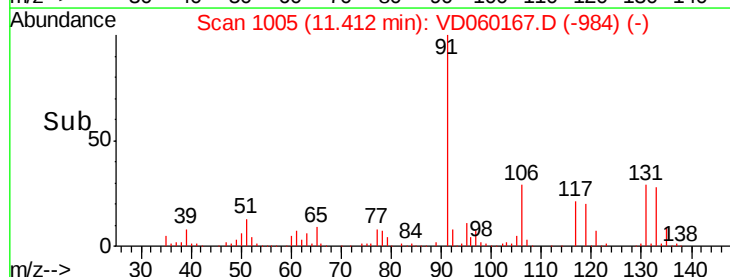
119 70.9 36.1 108.3

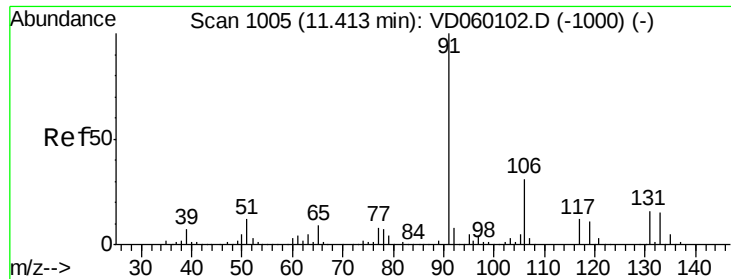


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





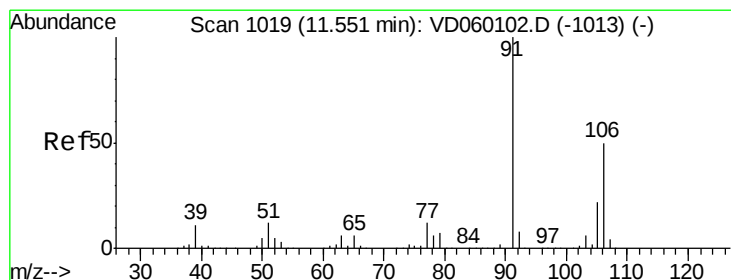
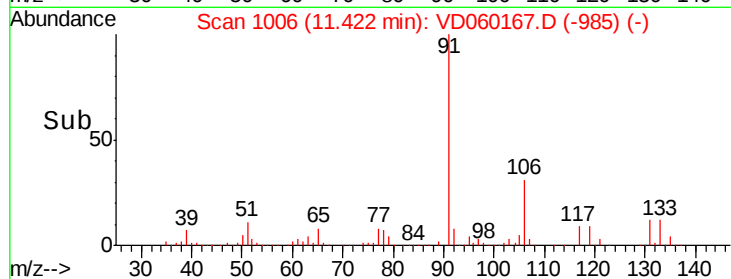
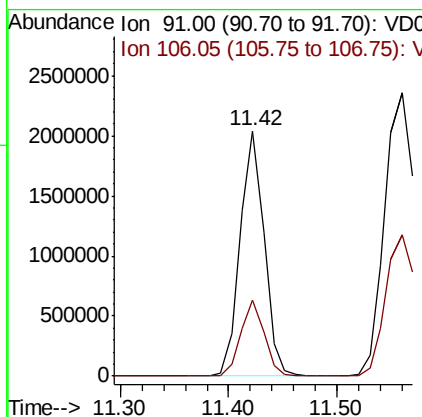
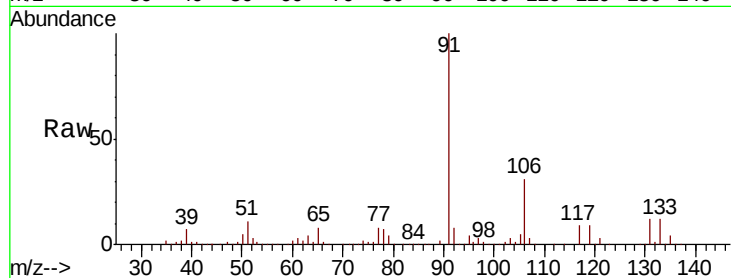
#67
Ethyl Benzene
Concen: 49.998 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3171353
Ion Ratio Lower Upper
91 100
106 30.8 24.4 36.6

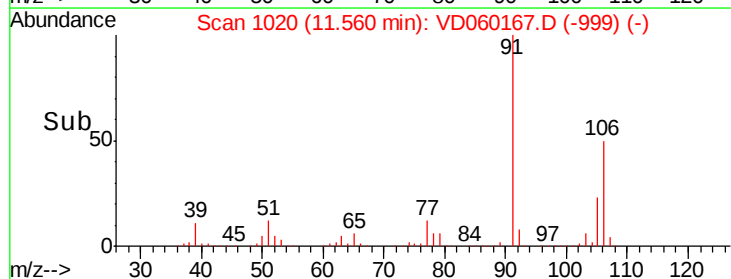
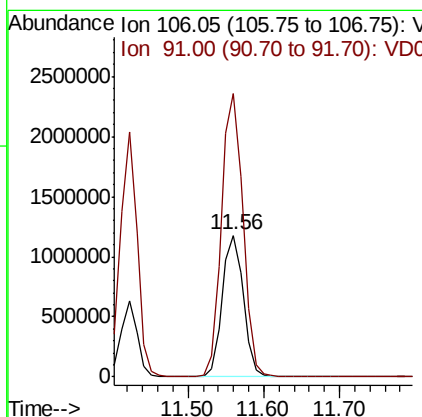
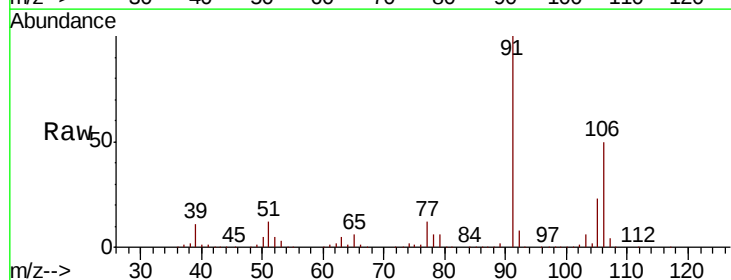
Manual Integrations
APPROVED

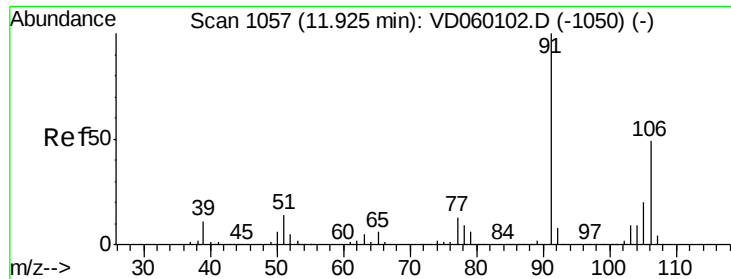
apatel
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#68
m/p-Xylenes
Concen: 96.586 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion: 106 Resp: 2289022
Ion Ratio Lower Upper
106 100
91 199.5 160.0 240.0





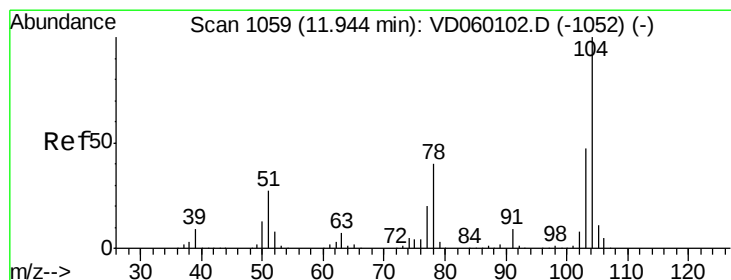
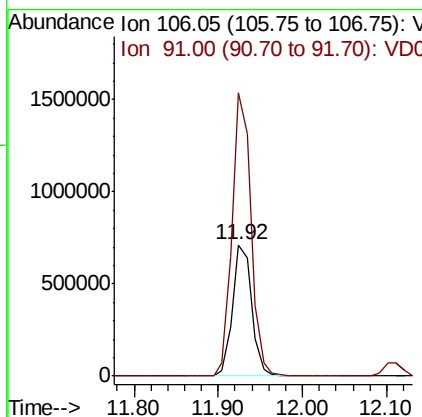
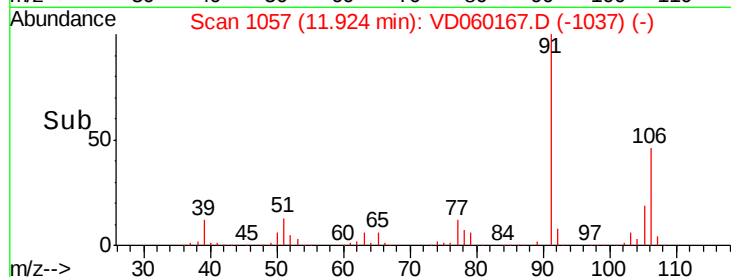
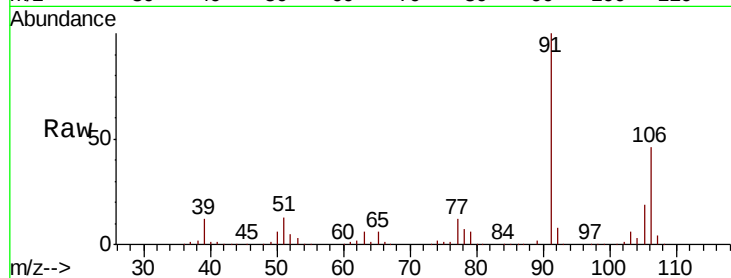
#69
o-Xylene
Concen: 48.043 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1126218
Ion Ratio Lower Upper
106 100
91 215.7 102.5 307.5

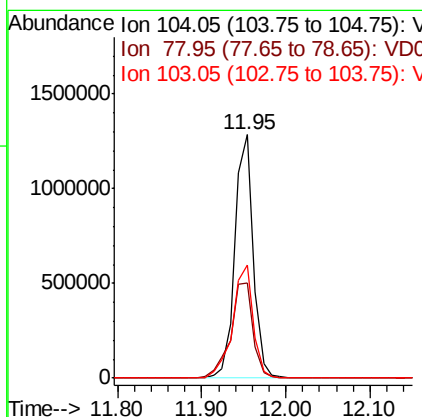
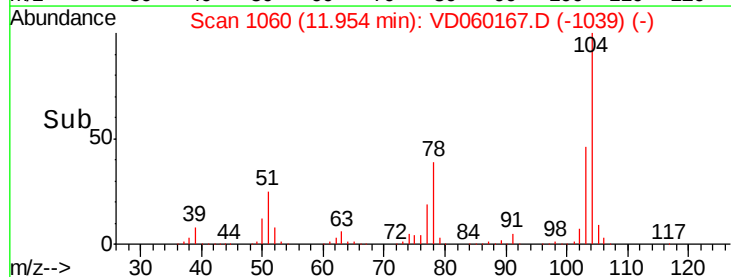
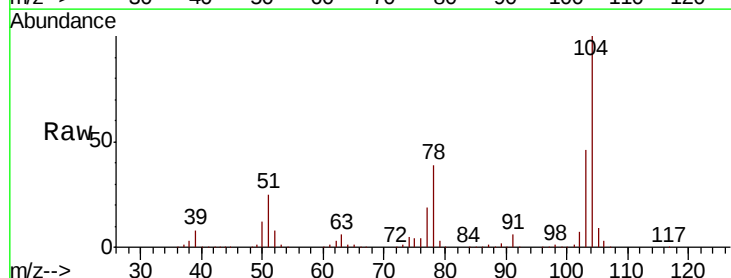
Manual Integrations
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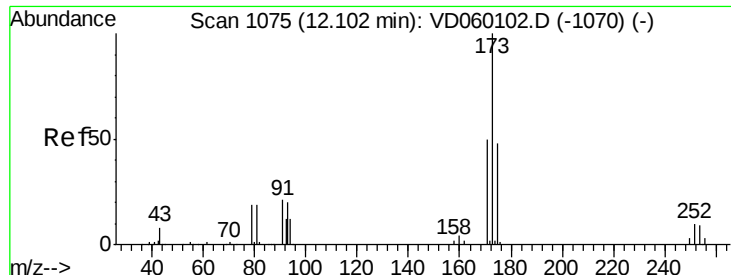
apatel
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#70
Styrene
Concen: 49.447 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion:104 Resp: 1938413
Ion Ratio Lower Upper
104 100
78 39.1 32.2 48.4
103 46.3 37.4 56.0





#71

Bromoform

Concen: 53.050 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 561036

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.4

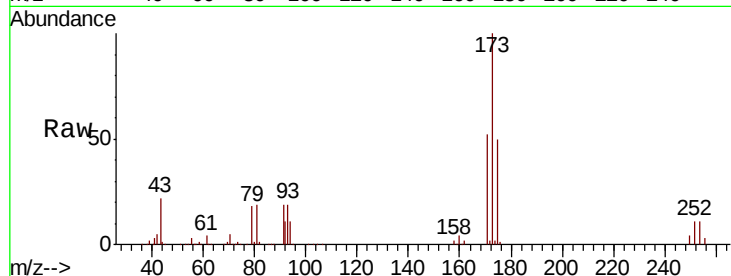
254 10.8 7.4 11.0

Manual Integrations

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apatel

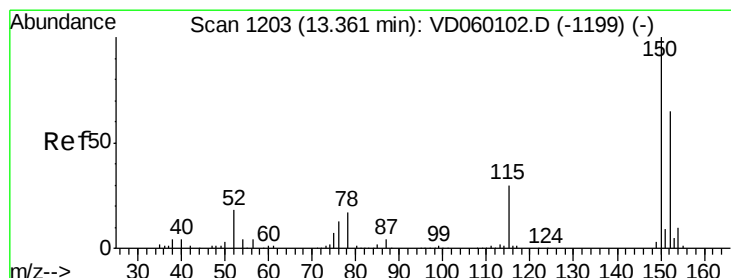
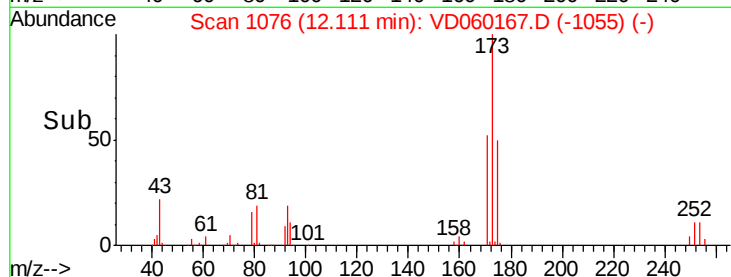
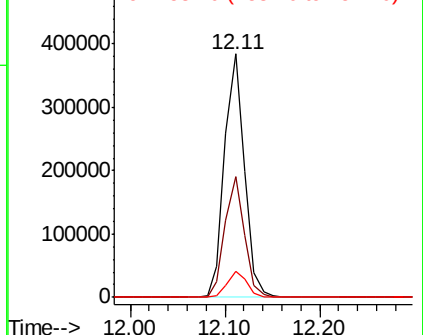
10/11/2018 4:24:22 PM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

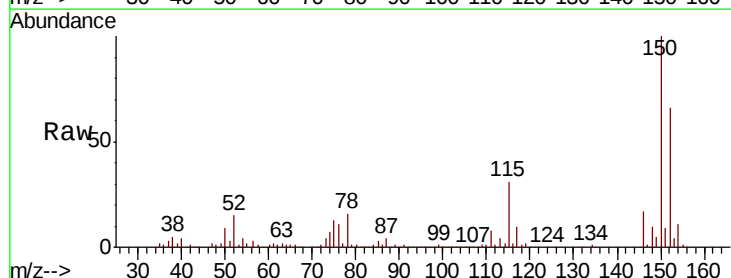
Tgt Ion:152 Resp: 958419

Ion Ratio Lower Upper

152 100

115 46.0 27.1 81.2

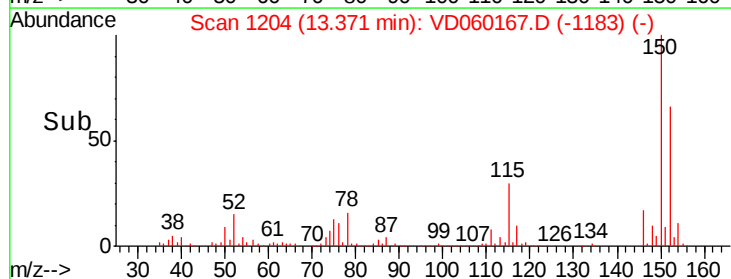
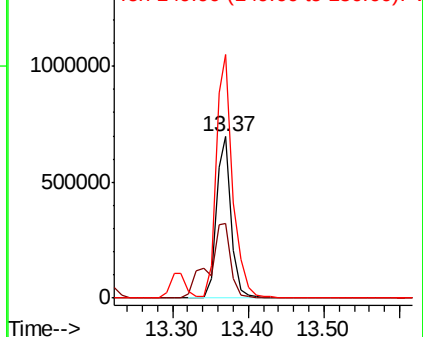
150 150.9 0.0 311.8

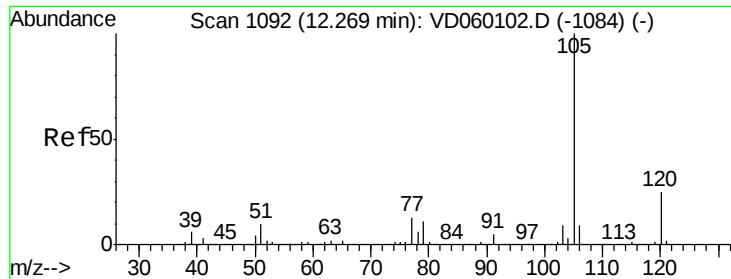


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.076 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3103028

Ion Ratio Lower Upper

105 100

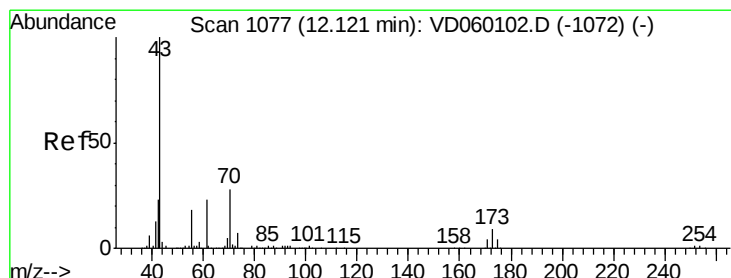
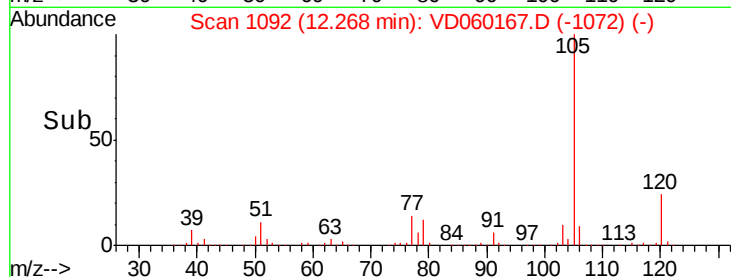
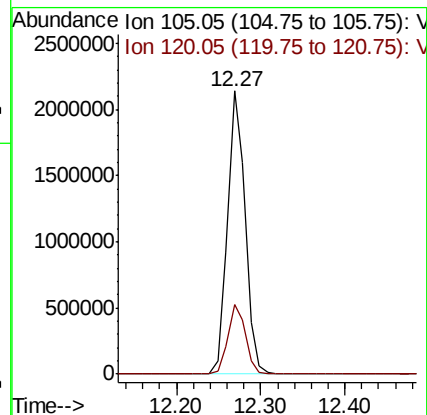
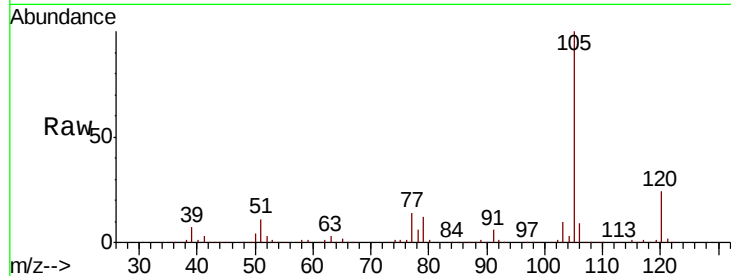
120 24.5 12.6 37.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.767 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Tgt Ion: 43 Resp: 1175765

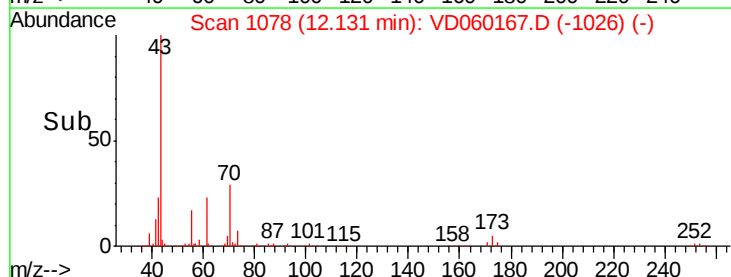
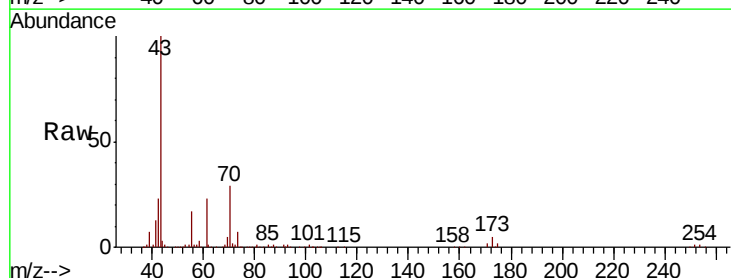
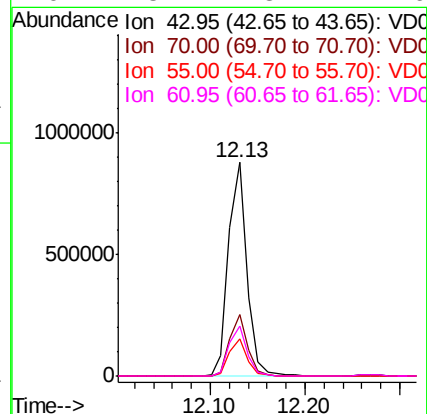
Ion Ratio Lower Upper

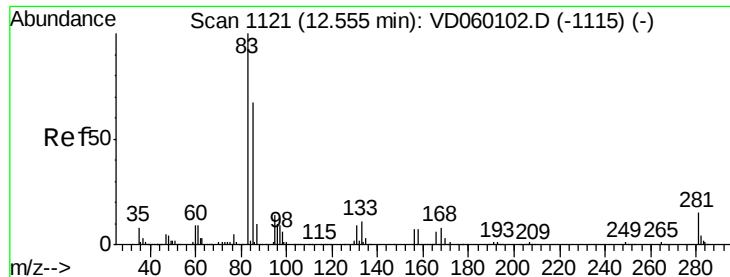
43 100

70 29.0 22.1 33.1

55 17.3 14.1 21.1

61 23.2 18.4 27.6





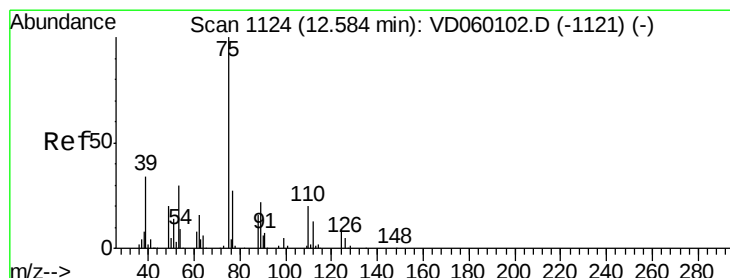
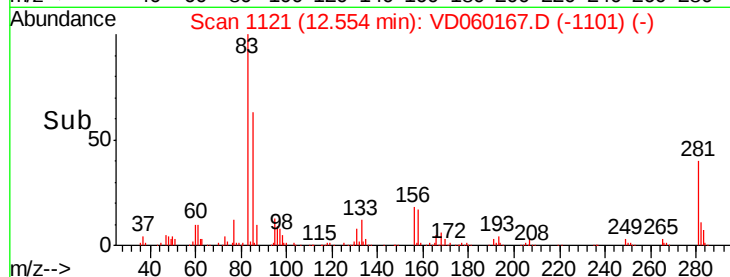
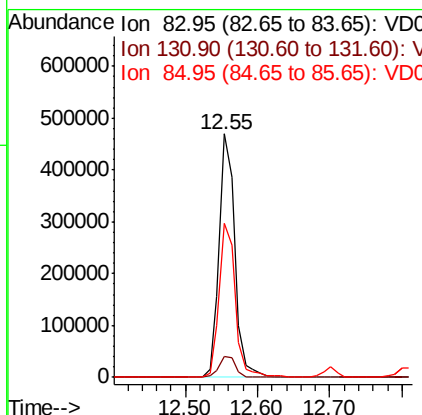
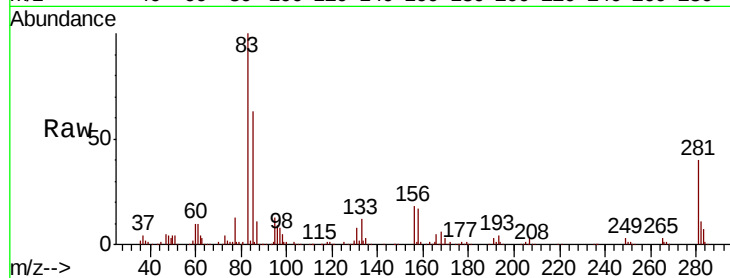
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.583 ug/l
 RT: 12.55 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	698238		
131	8.3	4.5	13.4	
85	63.0	33.3	99.9	

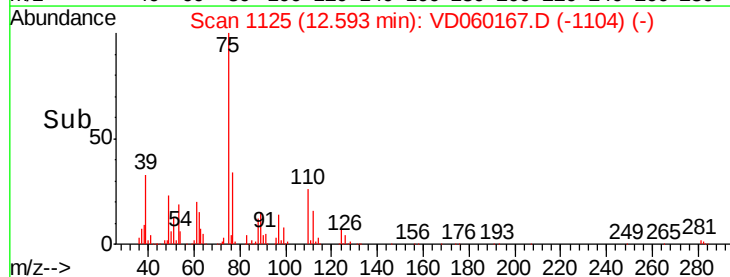
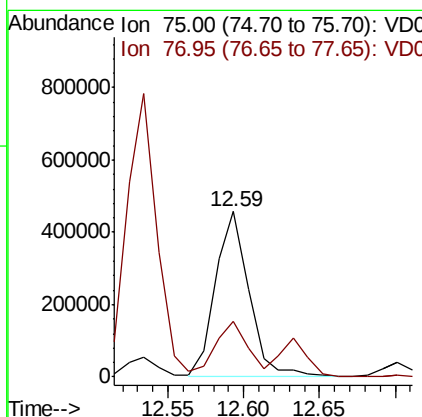
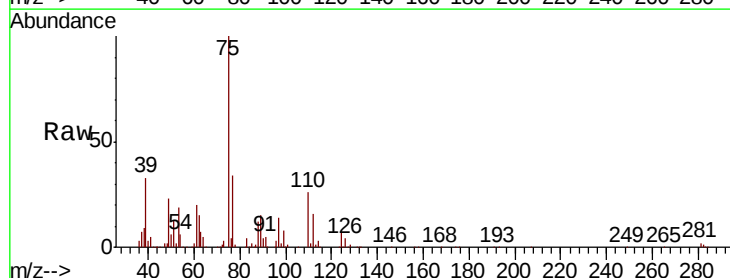
Manual Integrations
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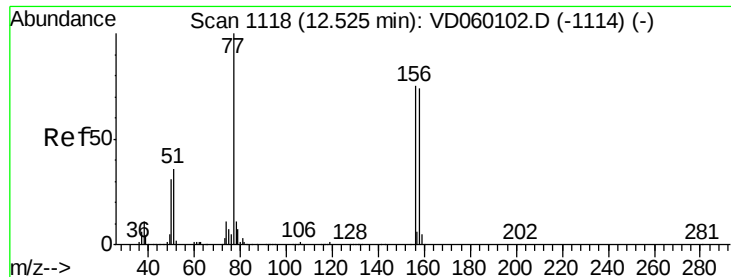
apatel
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#76
 1,2,3-Trichloropropane
 Concen: 50.891 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	702414		
77	33.7	16.3	48.9	





#77

Bromobenzene

Concen: 49.151 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

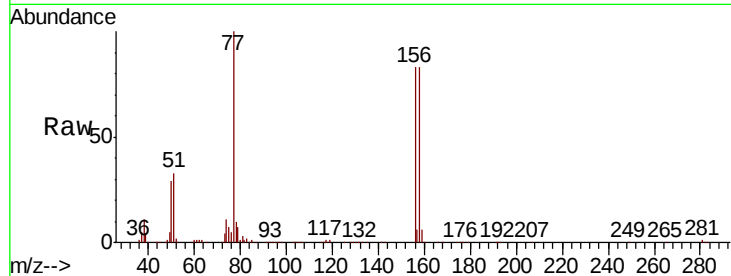
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	119.8	66.9	200.7
158	99.5	49.1	147.4

Manual Integrations
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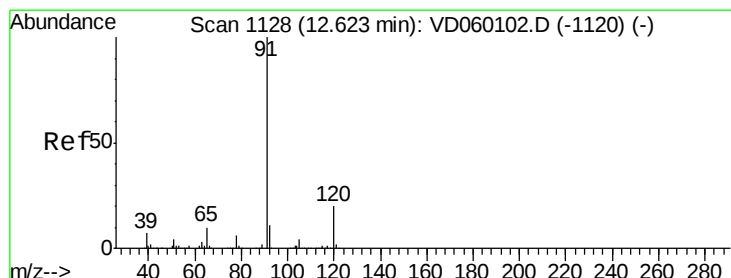
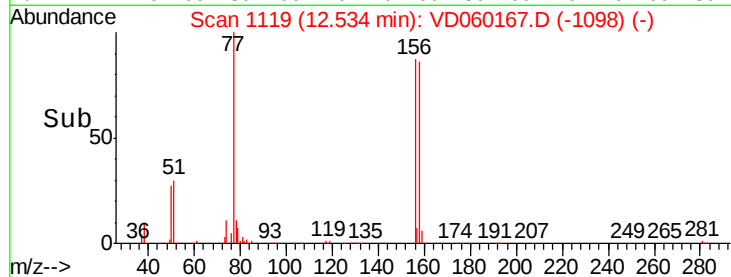
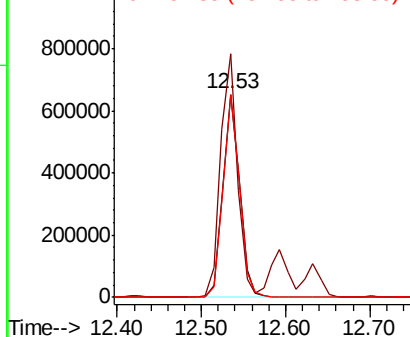


Abundance

Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.598 ug/l

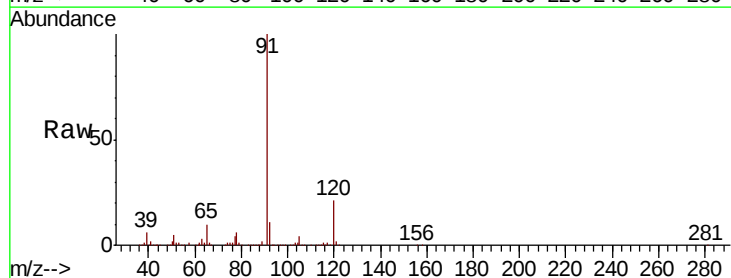
RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

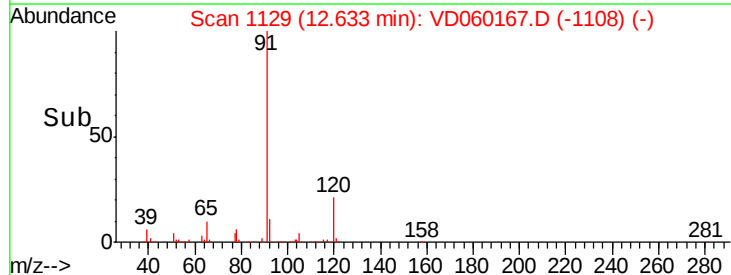
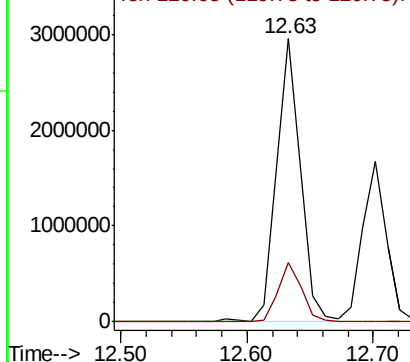
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.0	30.0

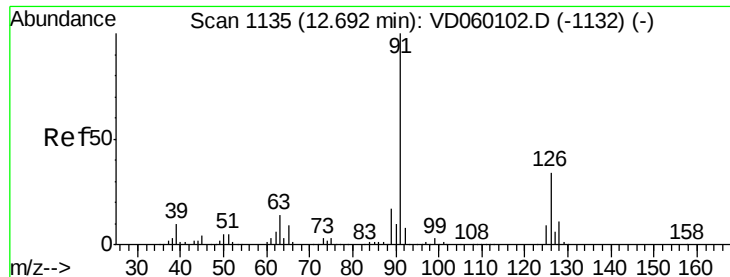


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.212 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2187942

Ion Ratio Lower Upper

91 100

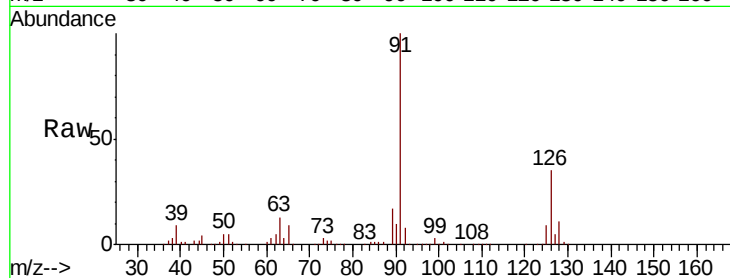
126 34.7 16.8 50.3

Manual Integrations

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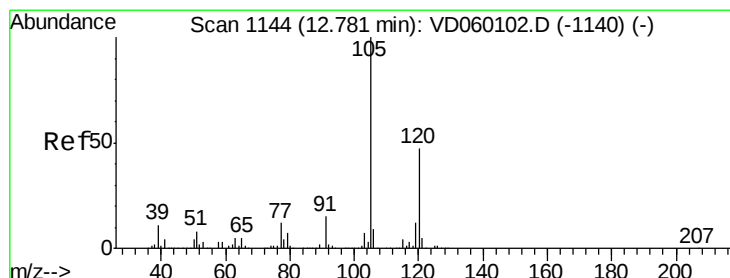
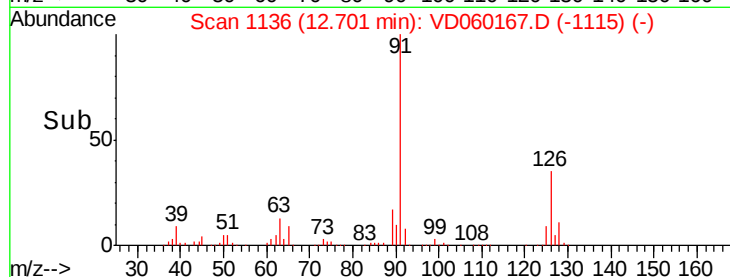
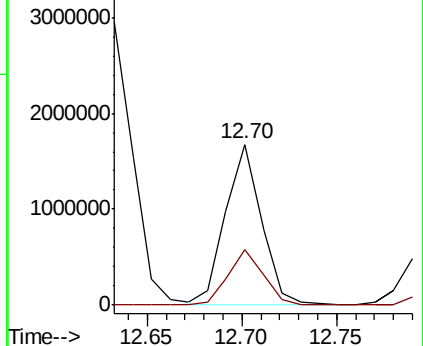
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 47.663 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060167.D

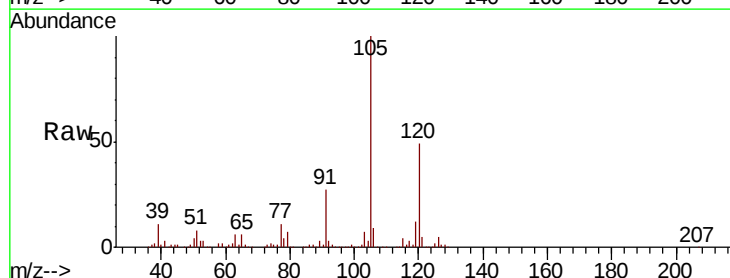
Acq: 10 Oct 2018 10:54

Tgt Ion:105 Resp: 2332435

Ion Ratio Lower Upper

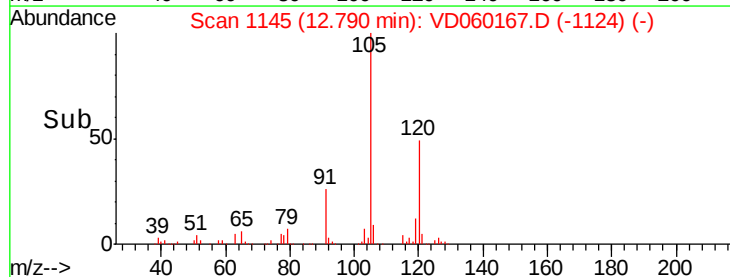
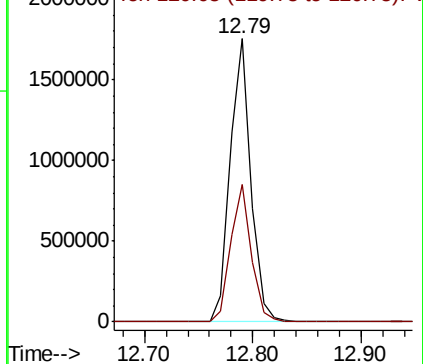
105 100

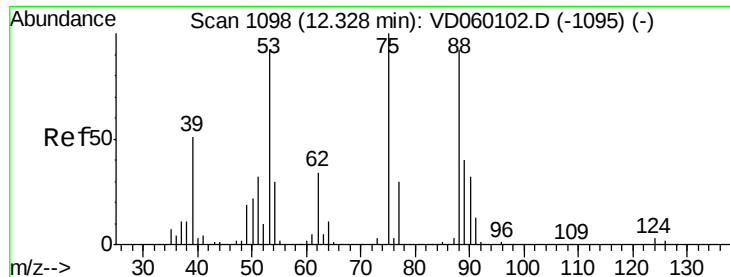
120 48.5 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.381 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060167.D

Acq: 10 Oct 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 210904

Ion Ratio Lower Upper

75 100

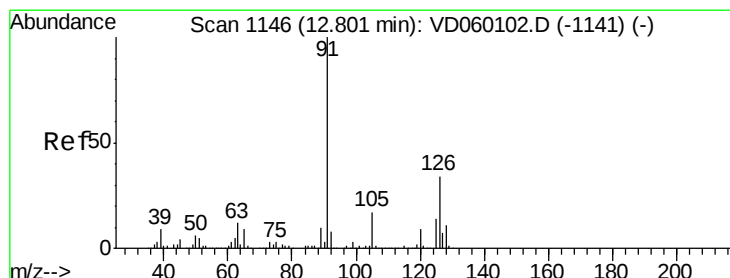
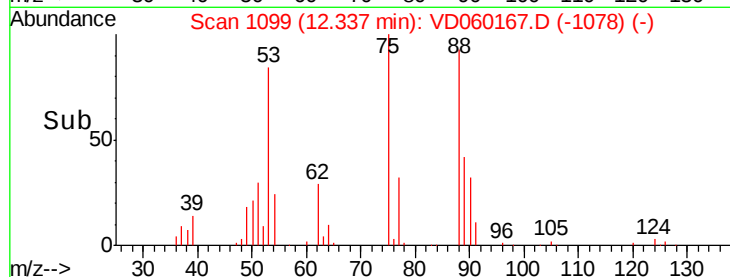
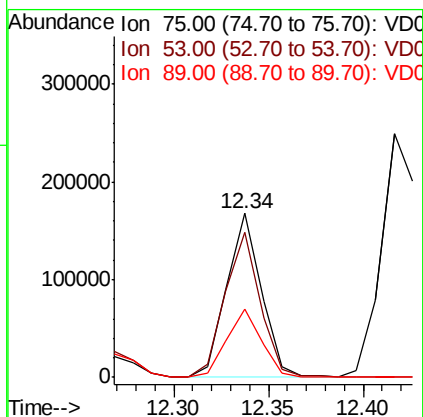
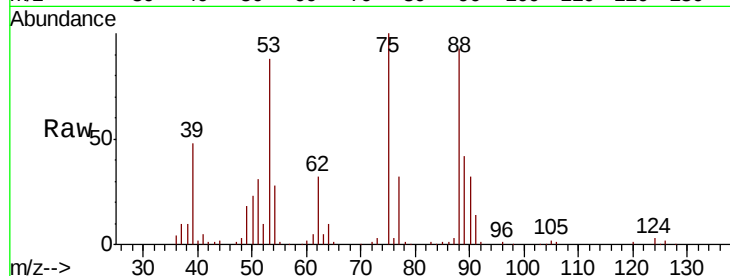
53 88.3 73.0 109.6

89 41.5 32.0 48.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.988 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060167.D

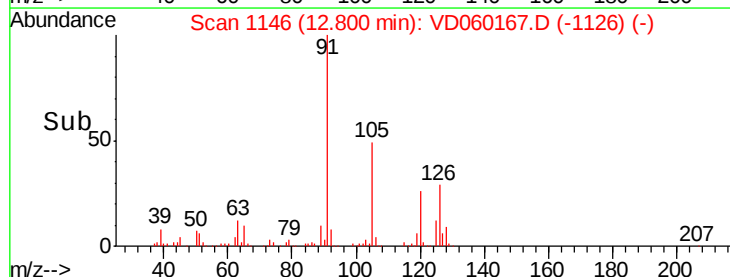
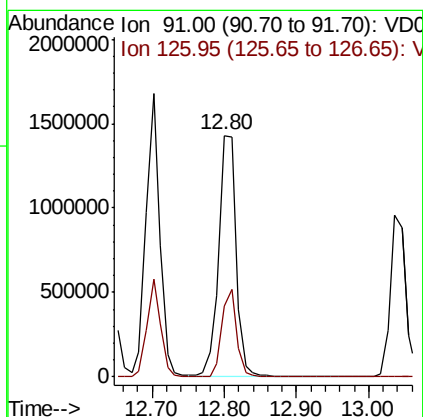
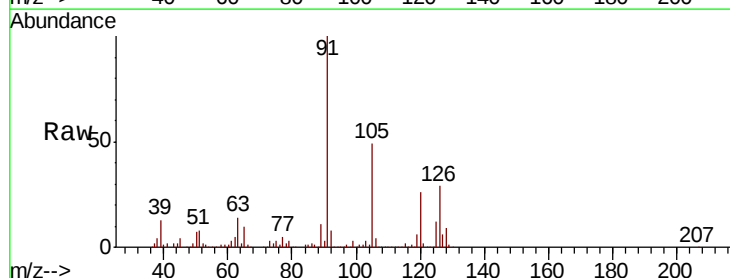
Acq: 10 Oct 2018 10:54

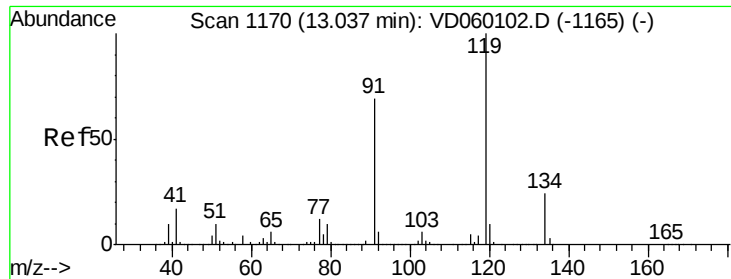
Tgt Ion: 91 Resp: 2365101

Ion Ratio Lower Upper

91 100

126 29.2 17.1 51.2





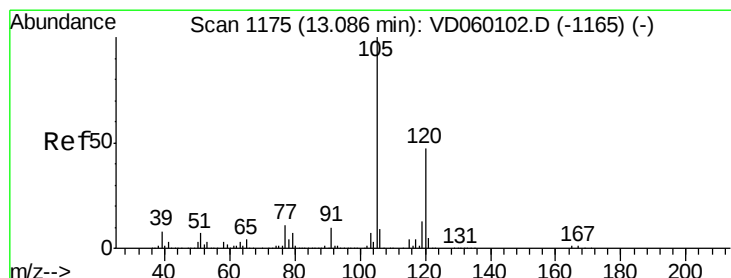
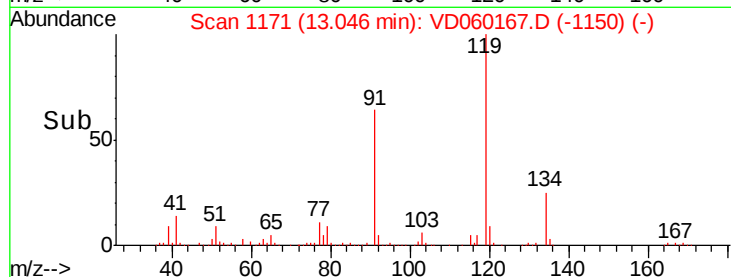
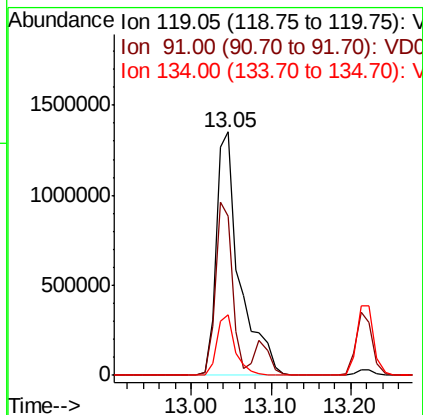
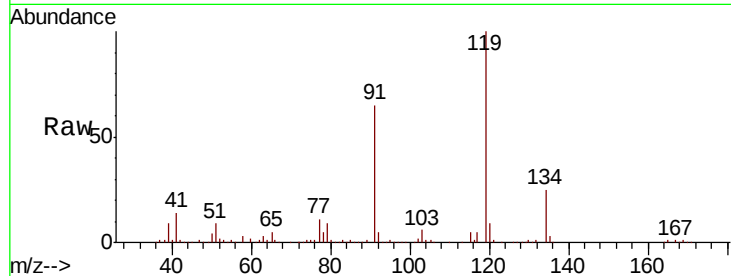
#83
tert-Butylbenzene
Concen: 49.442 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2776508
Ion Ratio Lower Upper
119 100
91 65.3 34.8 104.4
134 24.7 11.8 35.4

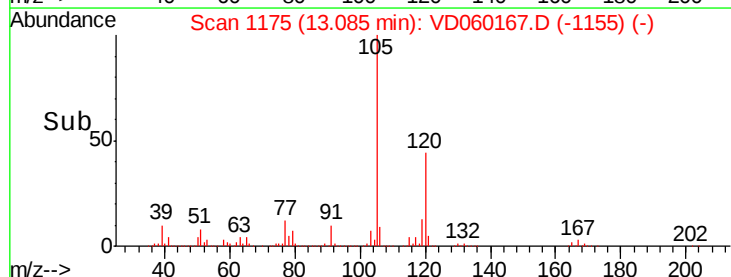
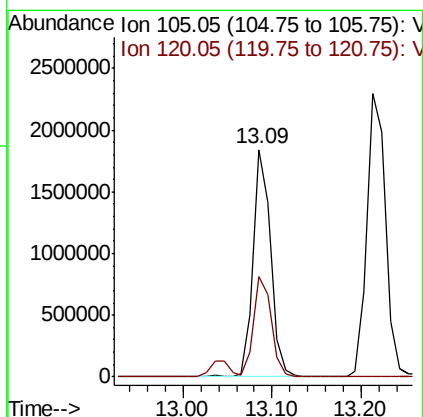
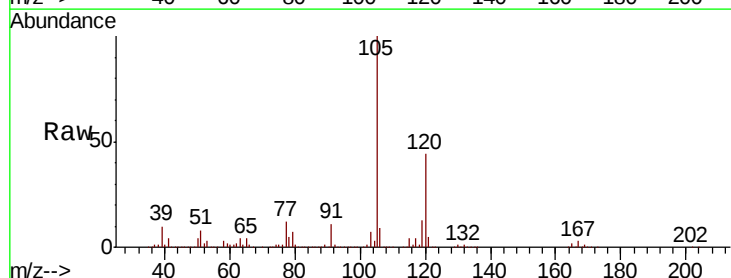
Manual Integrations
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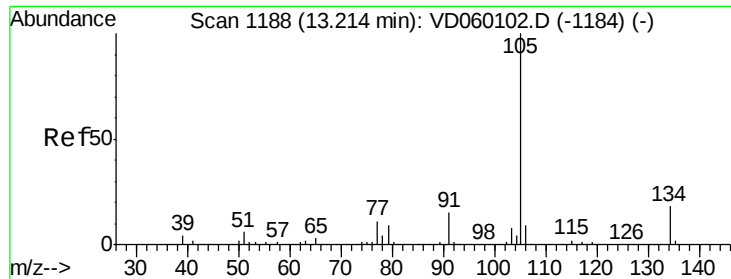
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#84
1,2,4-Trimethylbenzene
Concen: 48.151 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion:105 Resp: 2483414
Ion Ratio Lower Upper
105 100
120 44.3 23.4 70.0





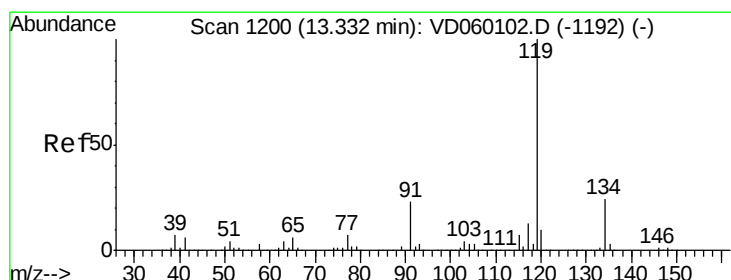
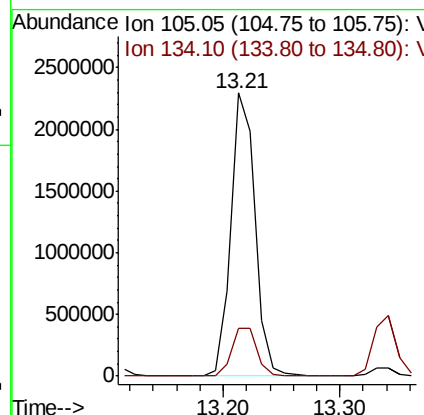
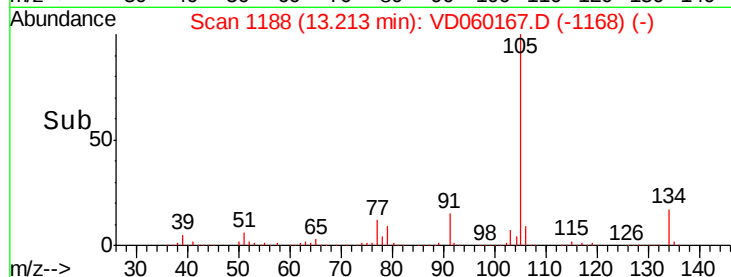
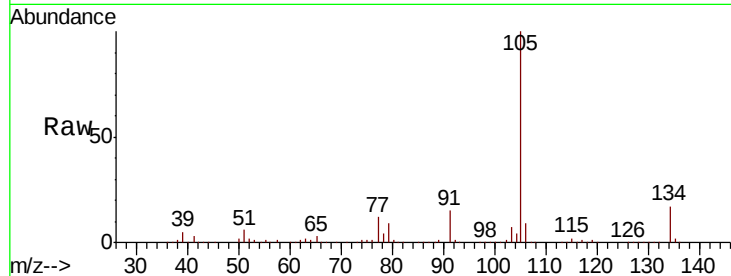
#85
 sec-Butylbenzene
 Concen: 49.462 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3284162
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.2

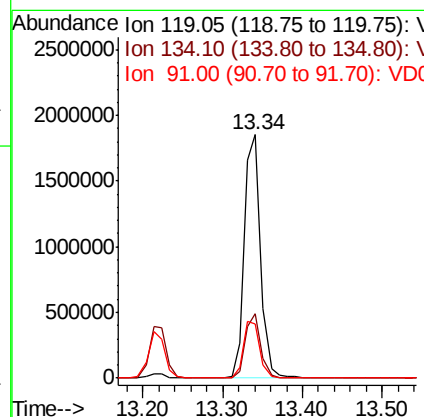
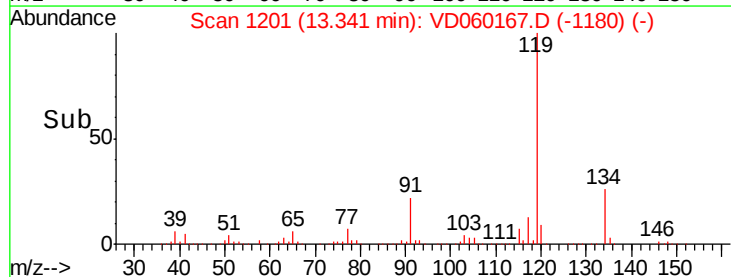
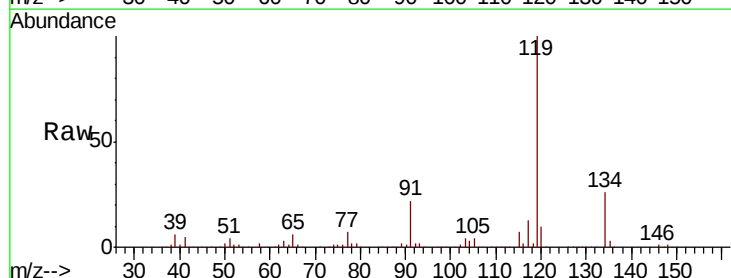
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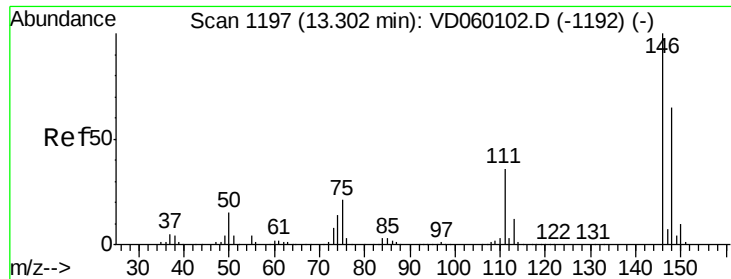
apatel
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#86
 p-Isopropyltoluene
 Concen: 48.212 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion:119 Resp: 2625644
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.3 36.8
 91 22.4 11.8 35.4





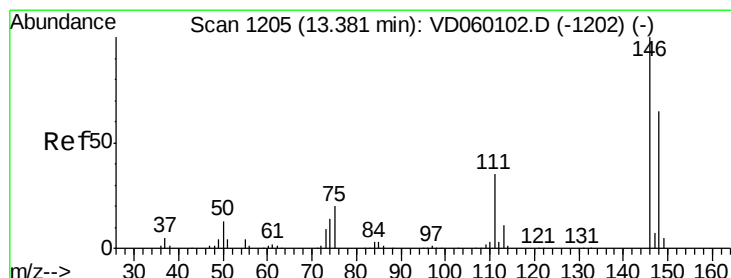
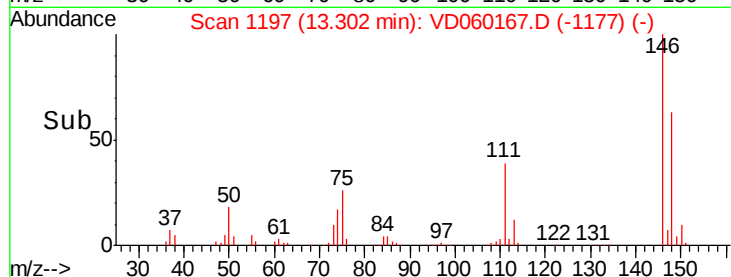
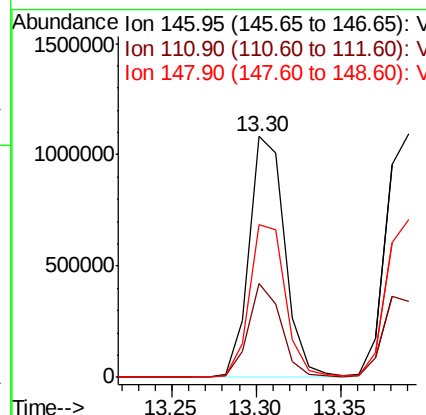
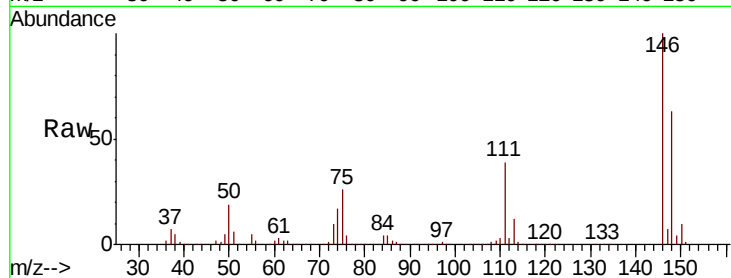
#87
 1,3-Dichlorobenzene
 Concen: 49.713 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.3
148	63.5	32.3	96.9

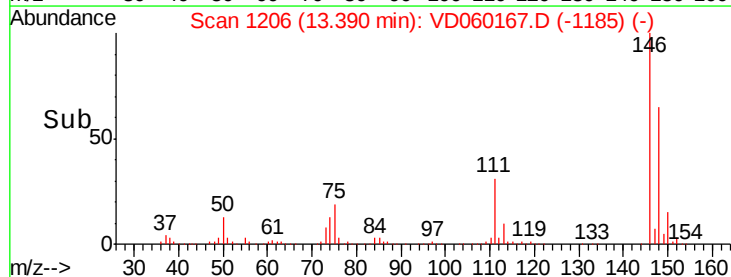
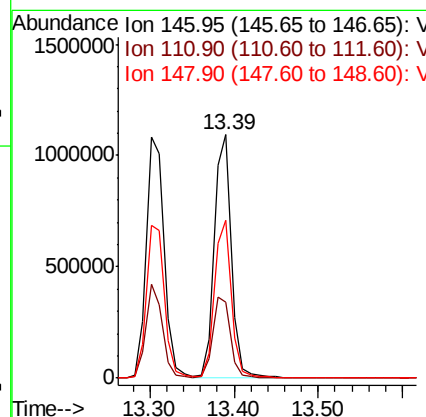
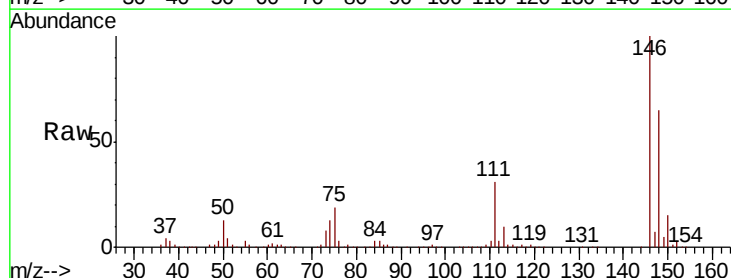
Manual Integrations
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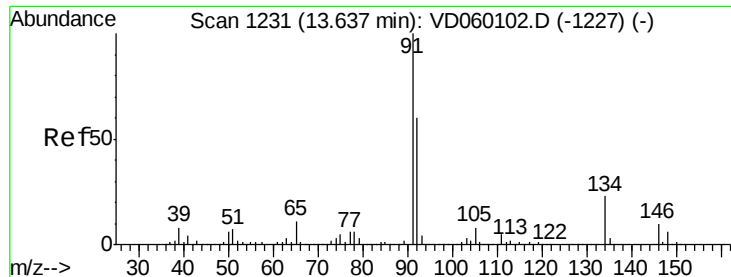
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 47.802 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	17.8	53.3
148	64.9	32.4	97.2





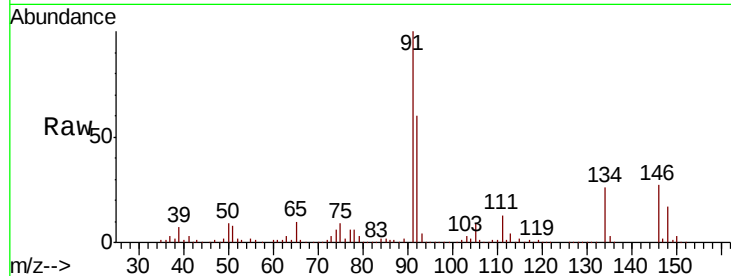
#89
n-Butylbenzene
Concen: 49.301 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

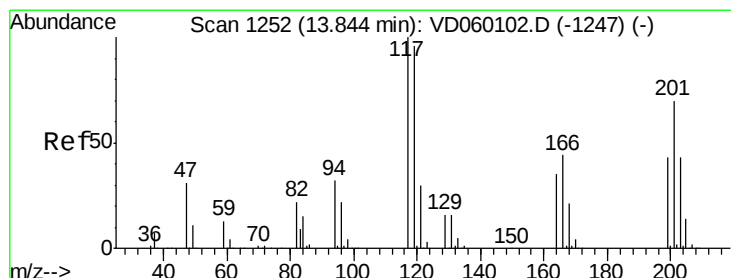
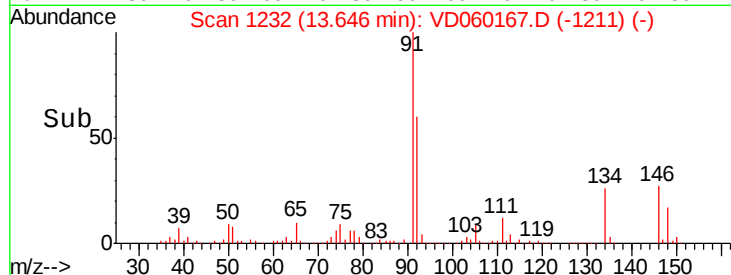
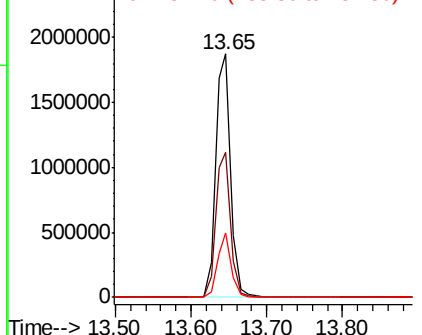
Tot Ion: 91 Resp: 2619817
Ion Ratio Lower Upper
91 100
92 59.8 30.1 90.3
134 26.3 11.6 34.7

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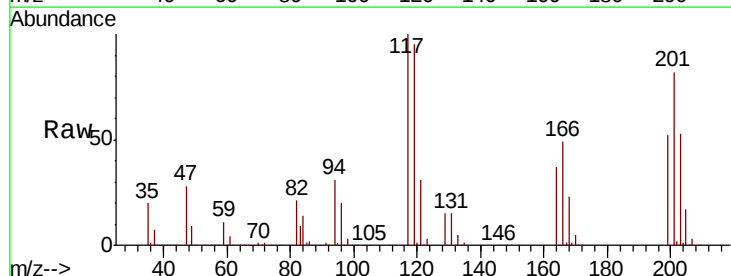


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

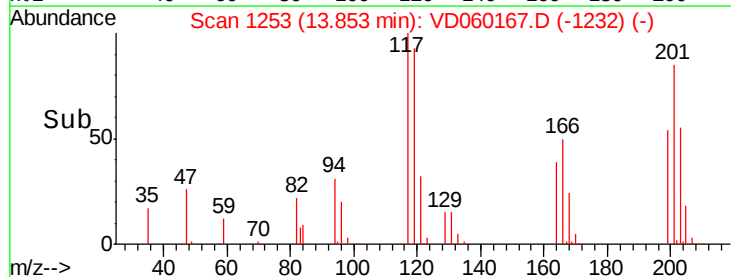
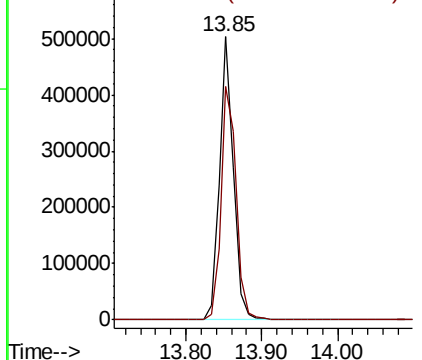


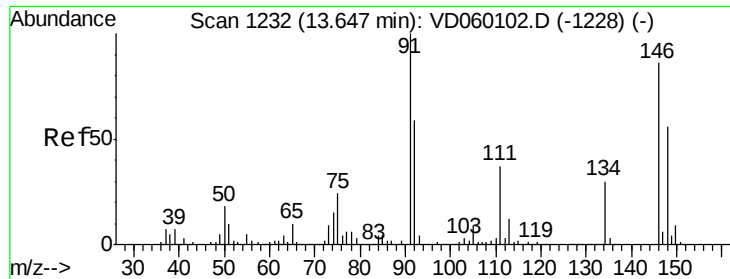
#90
Hexachloroethane
Concen: 52.186 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion: 117 Resp: 657751
Ion Ratio Lower Upper
117 100
201 82.4 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





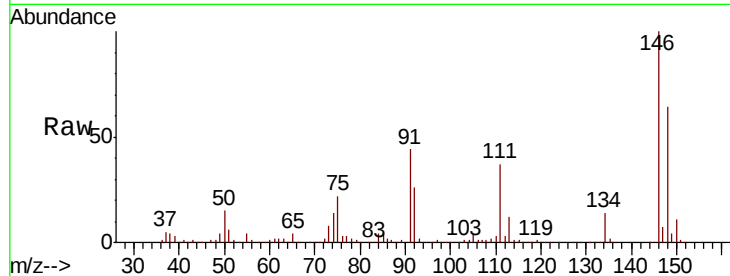
#91
 1,2-Dichlorobenzene
 Concen: 48.962 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

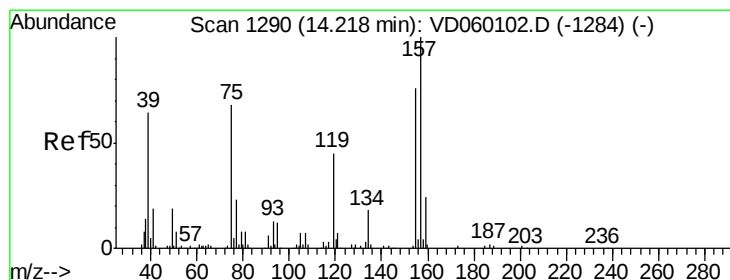
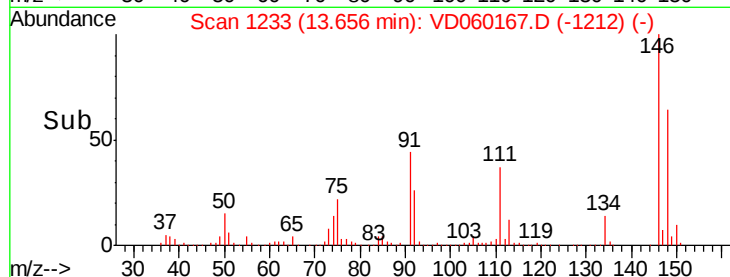
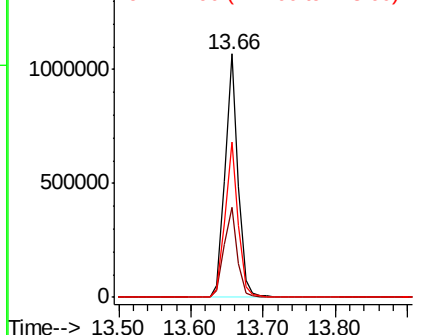
Tot Ion: 146 Resp: 1317909
 Ion Ratio Lower Upper
 146 100
 111 36.8 21.4 64.3
 148 63.9 32.2 96.6

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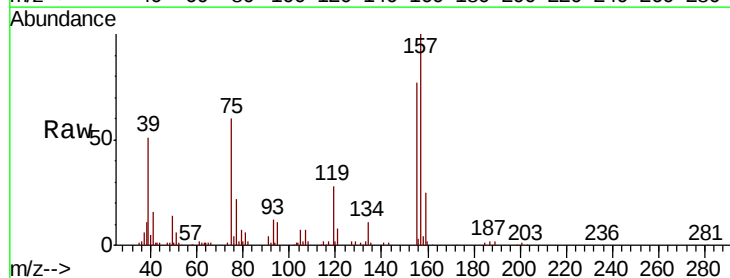


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

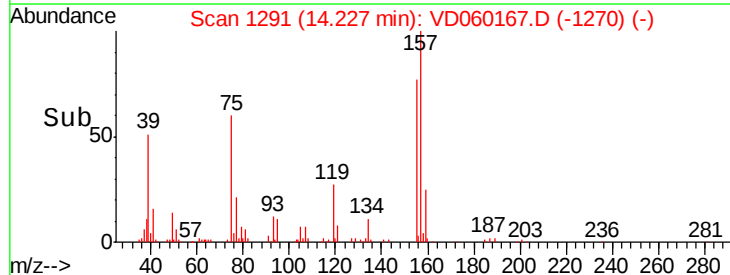
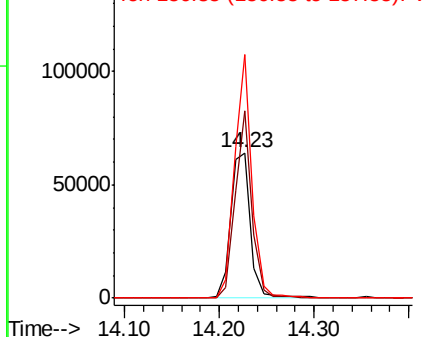


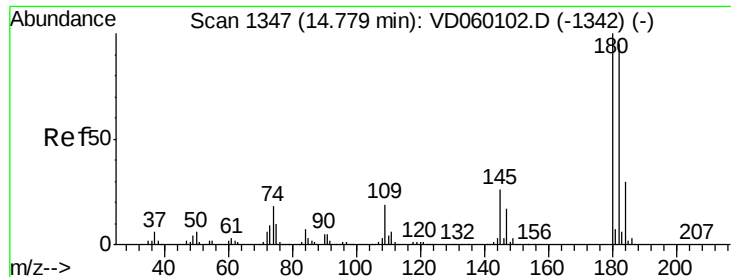
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.664 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion: 75 Resp: 93379
 Ion Ratio Lower Upper
 75 100
 155 128.7 55.9 167.7
 157 167.2 73.3 219.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





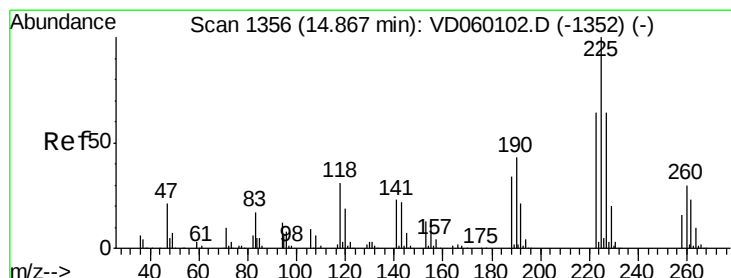
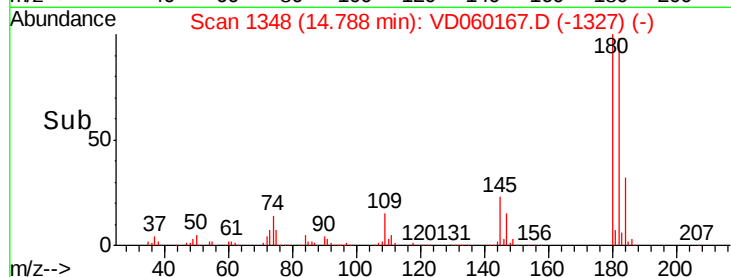
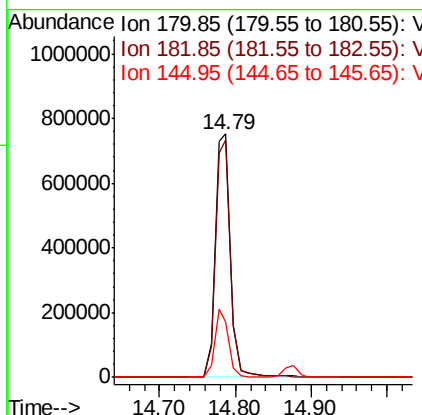
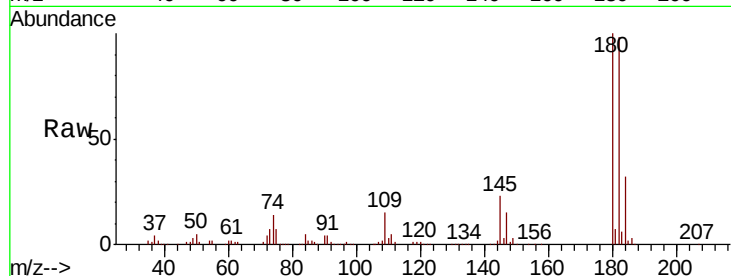
#93
 1,2,4-Trichlorobenzene
 Concen: 47.126 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	22.9	13.0	38.9

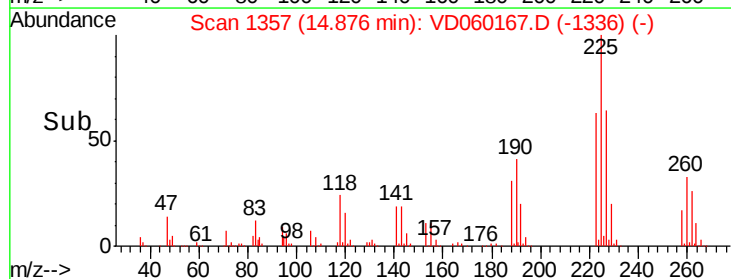
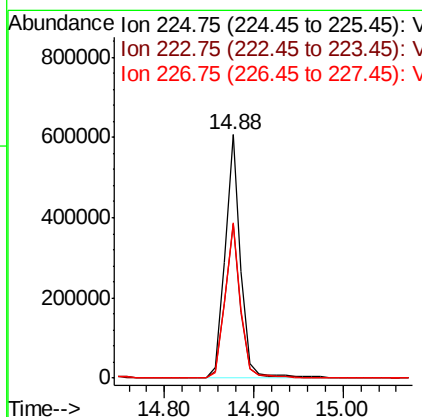
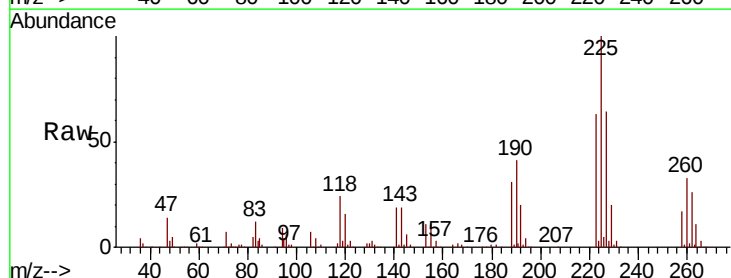
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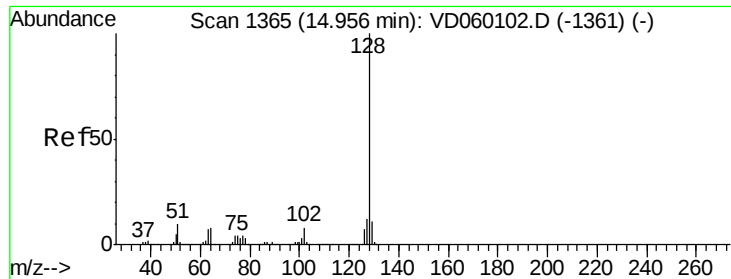
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#94
 Hexachlorobutadiene
 Concen: 49.493 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060167.D
 Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.4
227	64.0	32.0	96.0





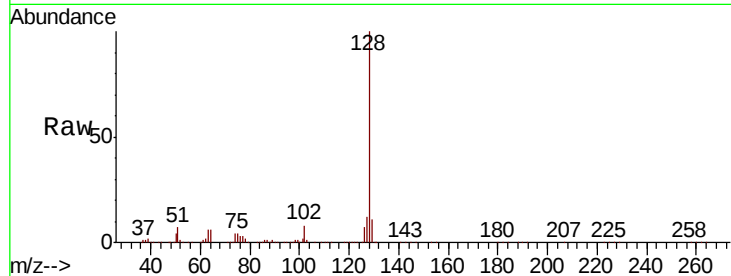
#95
Naphthalene
Concen: 50.672 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	10.7	8.8	13.2

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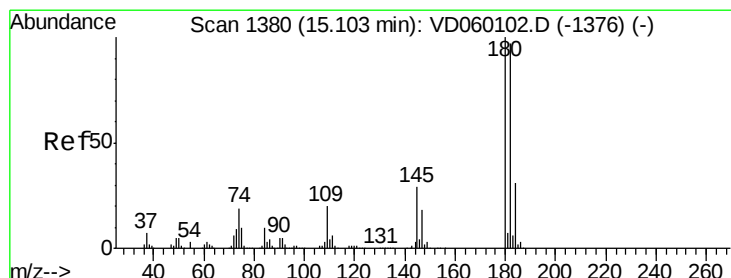
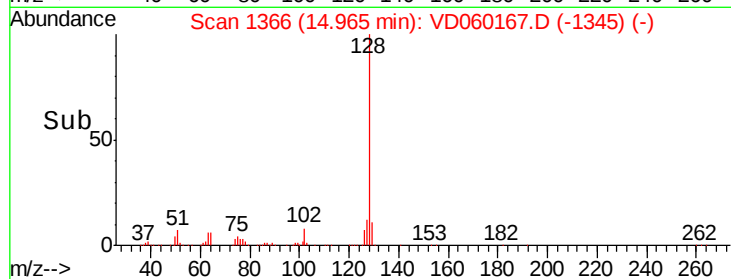
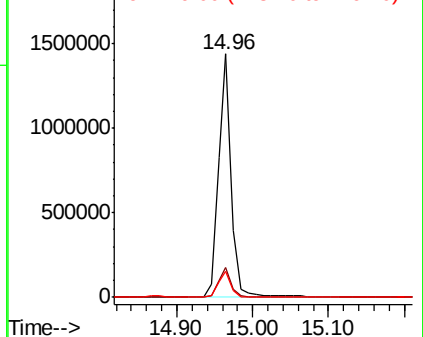


Abundance

Ion 128.00 (127.70 to 128.70): V

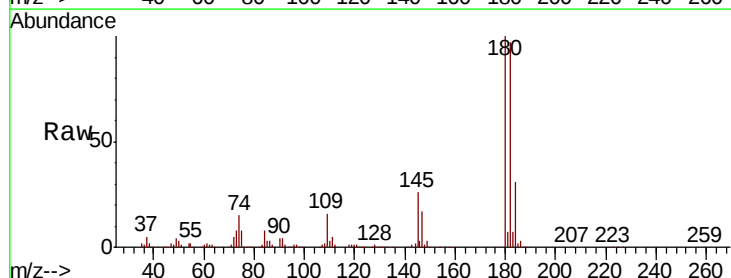
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.119 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060167.D
Acq: 10 Oct 2018 10:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.0
145	25.7	14.5	43.6



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

