

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060001.D
 Acq On : 14 Sep 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 9/17/2018 5:12:32 PM

Quant Time: Sep 17 10:40:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1649607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2257832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1850411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	984421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	681099	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	6.31	113	942333	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	9.45	98	2636464	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.42	95	1007623	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	830614	47.70	ug/l	99
3) Chloromethane	1.74	50	729784	47.45	ug/l	98
4) Vinyl Chloride	1.84	62	618883	50.05	ug/l	99
5) Bromomethane	2.13	94	106058	72.46	ug/l	91
6) Chloroethane	2.24	64	186620	67.51	ug/l	94
7) Trichlorofluoromethane	2.49	101	736091	54.07	ug/l	100
8) Diethyl Ether	2.80	74	154482	53.38	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	454546	52.95	ug/l	97
10) Methyl Iodide	3.23	142	472262	51.94	ug/l	98
11) Tert butyl alcohol	3.95	59	230538	222.10	ug/l	99
12) 1,1-Dichloroethene	3.05	96	364001	53.63	ug/l	100
13) Acrolein	2.96	56	158169	246.06	ug/l	95
14) Allyl chloride	3.51	41	748998	52.33	ug/l	99
15) Acrylonitrile	4.06	53	949619	242.36	ug/l	99
16) Acetone	3.14	43	705764	284.16	ug/l	100
17) Carbon Disulfide	3.30	76	1233682	52.75	ug/l	100
18) Methyl Acetate	3.53	43	237010	46.92	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	1537433	49.02	ug/l	98
20) Methylene Chloride	3.70	84	874462	49.39	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	881501	49.49	ug/l	96
22) Diisopropyl ether	4.83	45	3270147	50.08	ug/l	96
23) Vinyl Acetate	4.78	43	9306926	251.60	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1459037	49.79	ug/l	100
25) 2-Butanone	5.60	43	1580160	235.77	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1140492	50.06	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	918246	49.29	ug/l	99
28) Bromochloromethane	5.90	49	704434	50.01	ug/l	95
29) Tetrahydrofuran	5.93	42	833668	231.94	ug/l	100
30) Chloroform	6.08	83	1494574	50.30	ug/l	99
31) Cyclohexane	6.35	56	1363533	47.73	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	1250327	50.73	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1092589	48.72	ug/l	99
37) Ethyl Acetate	5.68	43	736664	47.76	ug/l	99
38) Carbon Tetrachloride	6.47	117	1054699	50.38	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1286496	50.71	ug/l	99
40) Benzene	6.78	78	2874600	50.29	ug/l	99
41) Methacrylonitrile	5.91	41	389088m	48.17	ug/l	
42) 1,2-Dichloroethane	6.88	62	845259	49.25	ug/l	99
43) Isopropyl Acetate	8.33	43	987899	47.84	ug/l #	99
44) Trichloroethene	7.72	130	877906	49.71	ug/l	100
45) 1,2-Dichloropropane	8.09	63	773601	50.61	ug/l	100
46) Dibromomethane	8.20	93	491127	49.24	ug/l	99
47) Bromodichloromethane	8.47	83	1096381	50.99	ug/l	100
48) Methyl methacrylate	8.23	41	569232	49.49	ug/l	99
49) 1,4-Dioxane	8.22	88	107299	939.31	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	3060075	221.48	ug/l	98
52) Toluene	9.54	92	1843752	50.32	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1001001	49.91	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1204760	50.28	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	585600	46.03	ug/l	96
56) Ethyl methacrylate	10.02	69	691179	48.98	ug/l	98
57) 1,3-Dichloropropane	10.37	76	924466	49.23	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	1667853	244.77	ug/l	98
59) 2-Hexanone	10.48	43	2379490	244.20	ug/l	99
60) Dibromochloromethane	10.63	129	759503	49.05	ug/l	100
61) 1,2-Dibromoethane	10.75	107	648563	49.38	ug/l	98
64) Tetrachloroethene	10.24	164	820785	50.27	ug/l	98
65) Chlorobenzene	11.31	112	1997632	50.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	684777	51.03	ug/l	98
67) Ethyl Benzene	11.41	91	3265352	51.00	ug/l	99
68) m/p-Xylenes	11.56	106	2442644	103.31	ug/l	99
69) o-Xylene	11.93	106	1195307	51.02	ug/l	98
70) Styrene	11.95	104	1990029	50.52	ug/l	98
71) Bromoform	12.10	173	585704	50.81	ug/l	98
73) Isopropylbenzene	12.27	105	3223364	49.93	ug/l	98
74) N-amyl acetate	12.12	43	1259393	49.25	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	720576	49.20	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	729657	48.53	ug/l	100
77) Bromobenzene	12.54	156	947217	50.93	ug/l	91
78) n-propylbenzene	12.64	91	4121663	50.77	ug/l	98
79) 2-Chlorotoluene	12.69	91	2306972	50.34	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	2578529	52.11	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	219354	48.33	ug/l	97
82) 4-Chlorotoluene	12.80	91	2542333	50.46	ug/l	96
83) tert-Butylbenzene	13.04	119	2857277	49.84	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2618891	49.59	ug/l	99
85) sec-Butylbenzene	13.22	105	3450563	50.70	ug/l	98
86) p-Isopropyltoluene	13.33	119	2734943	49.69	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	1601027	49.50	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1545519	47.11	ug/l	97
89) n-Butylbenzene	13.64	91	2714894	53.26	ug/l	98
90) Hexachloroethane	13.86	117	717816	52.65	ug/l	82
91) 1,2-Dichlorobenzene	13.66	146	1332998	51.13	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	98827	44.26	ug/l	78

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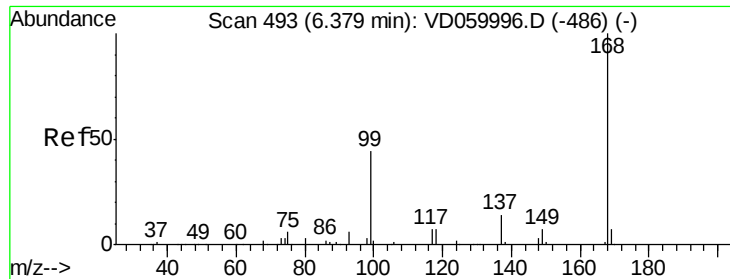
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1152458	50.01	ug/l	98
94) Hexachlorobutadiene	14.87	225	756723	49.64	ug/l	98
95) Naphthalene	14.96	128	1722294	48.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	977067	48.11	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1649607

Ion Ratio Lower Upper

168 100

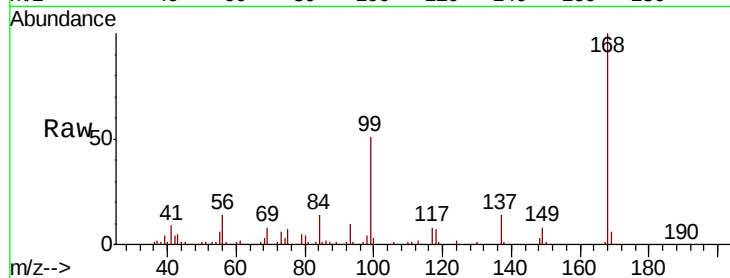
99 50.7 38.5 57.7

Manual Integrations

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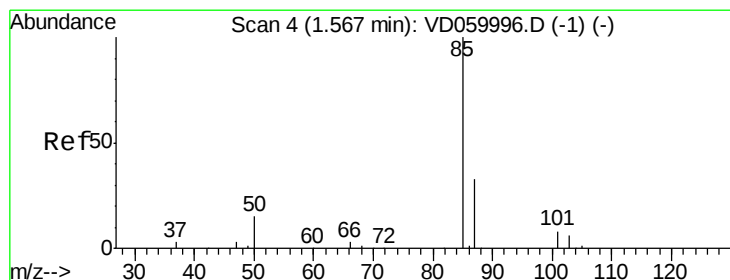
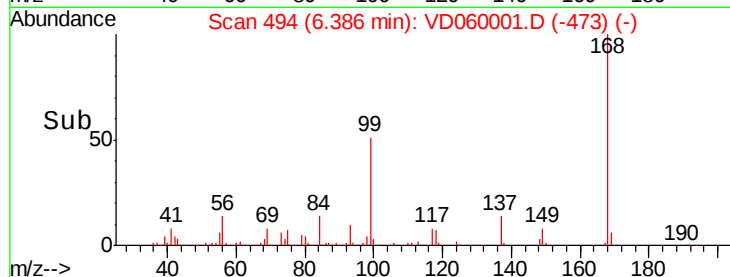
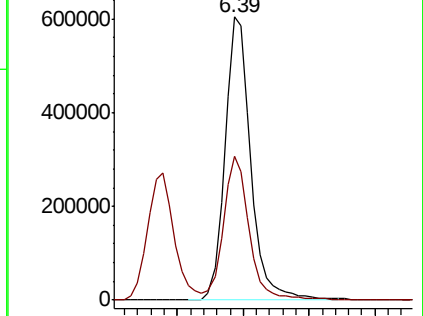
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.70 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060001.D

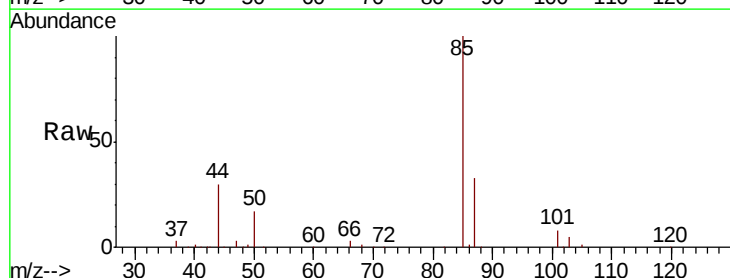
Acq: 14 Sep 2018 10:30

Tgt Ion: 85 Resp: 830614

Ion Ratio Lower Upper

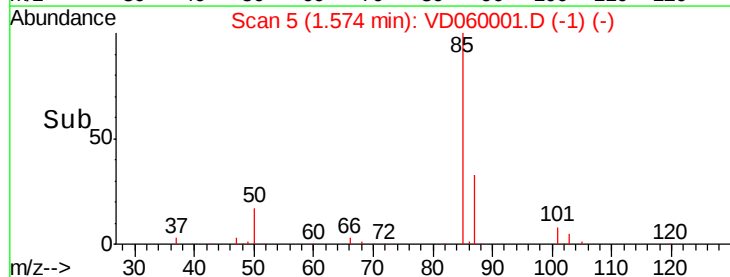
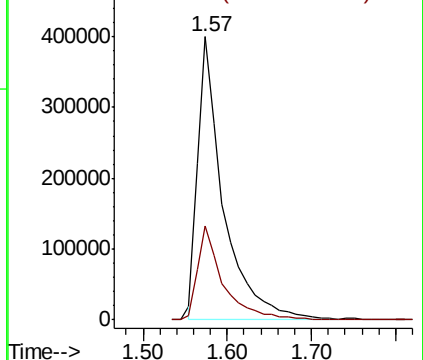
85 100

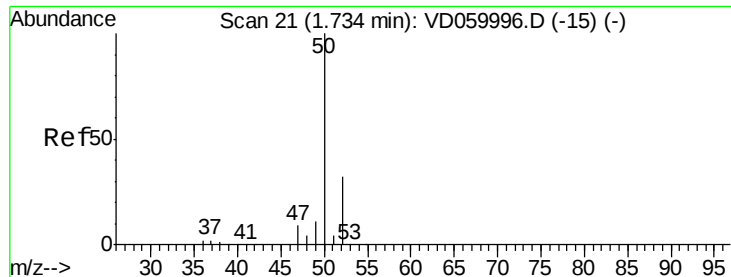
87 33.3 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.45 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tot Ion: 50 Resp: 729784

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

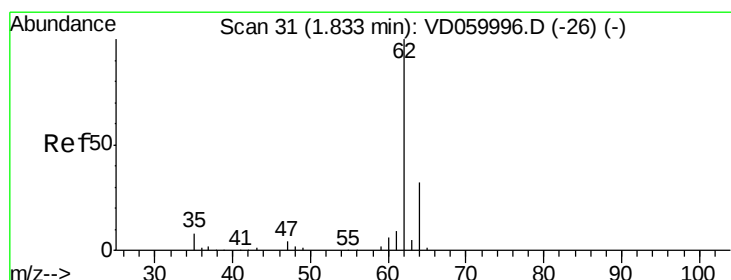
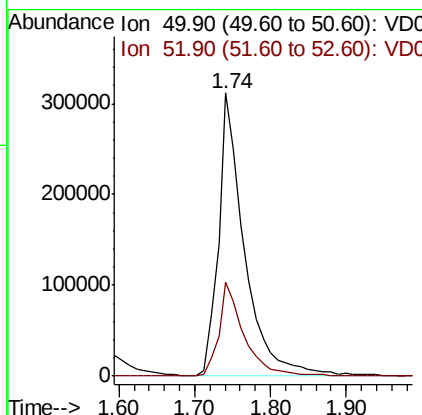
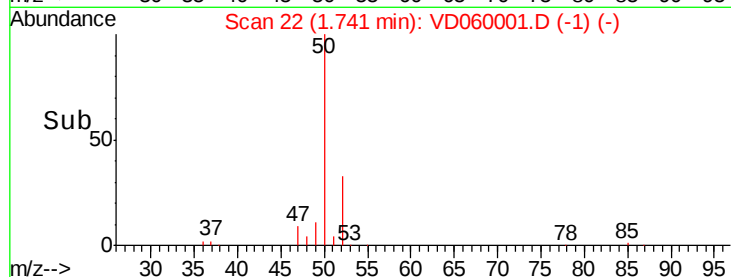
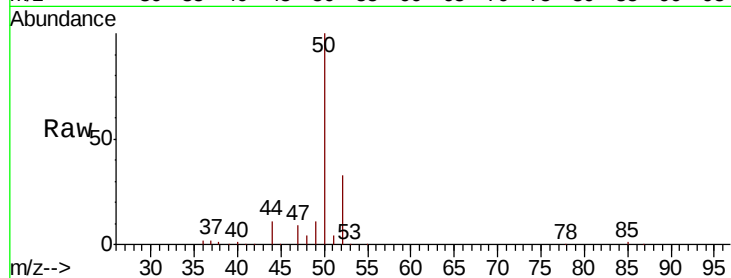
VSTDCCC050

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#4

Vinyl Chloride

Concen: 50.05 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060001.D

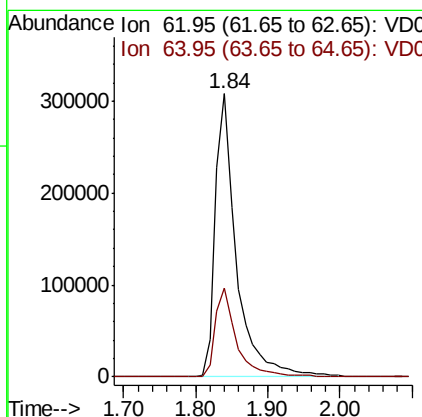
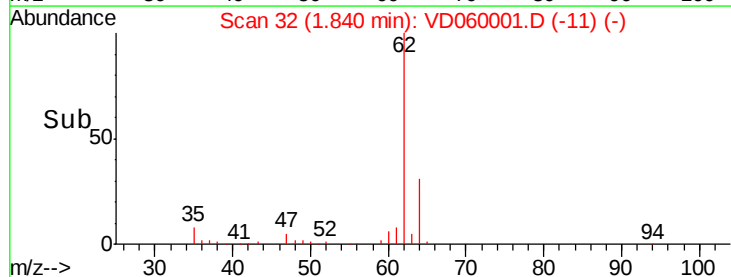
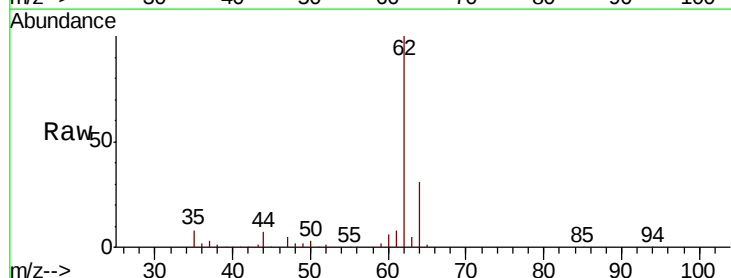
Acq: 14 Sep 2018 10:30

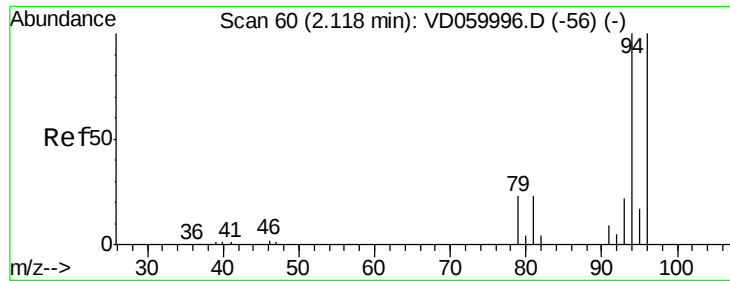
Tgt Ion: 62 Resp: 618883

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





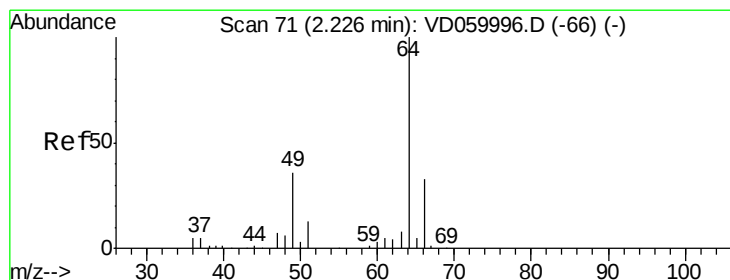
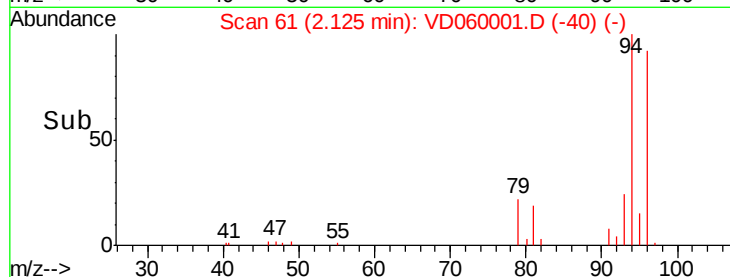
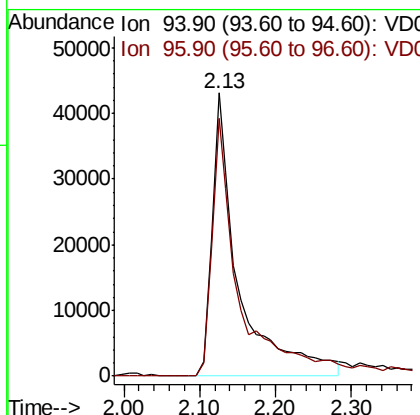
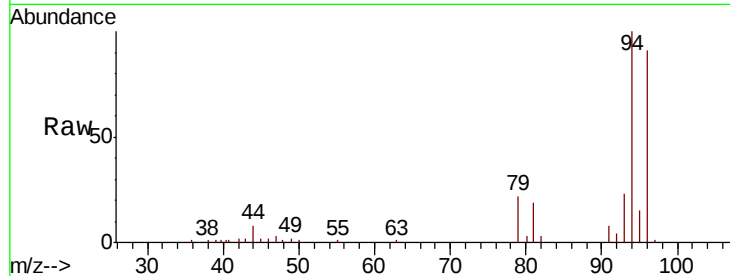
#5
Bromomethane
Concen: 72.46 ug/l
RT: 2.13 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 106058
Ion Ratio Lower Upper
94 100
96 91.0 79.8 119.8

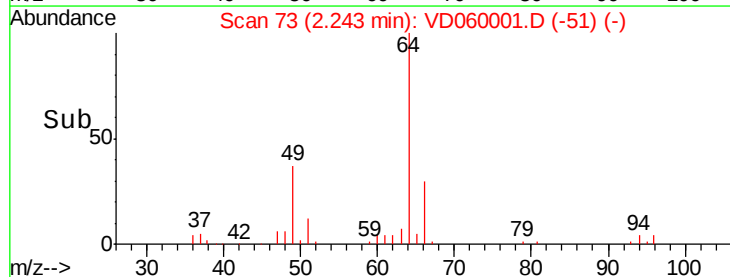
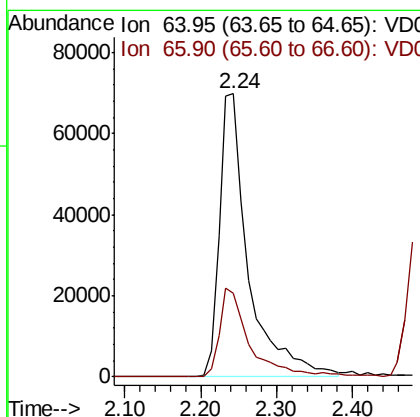
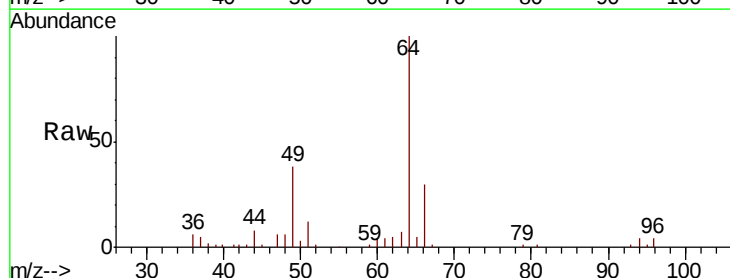
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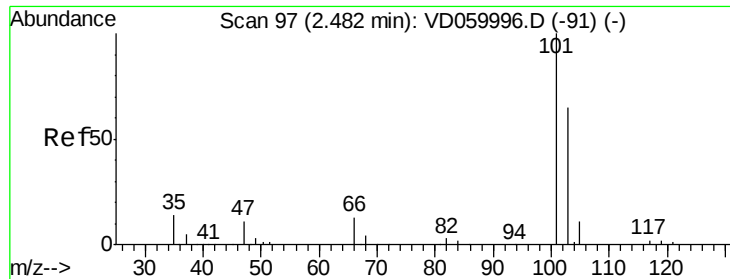
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#6
Chloroethane
Concen: 67.51 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 64 Resp: 186620
Ion Ratio Lower Upper
64 100
66 29.7 26.5 39.7





#7

Trichlorofluoromethane

Concen: 54.07 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 736091

Ion Ratio Lower Upper

101 100

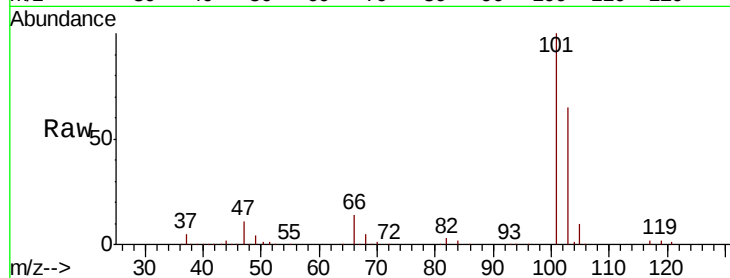
103 64.5 51.6 77.4

Manual Integrations

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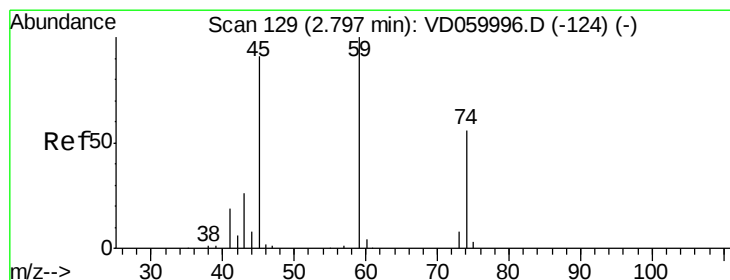
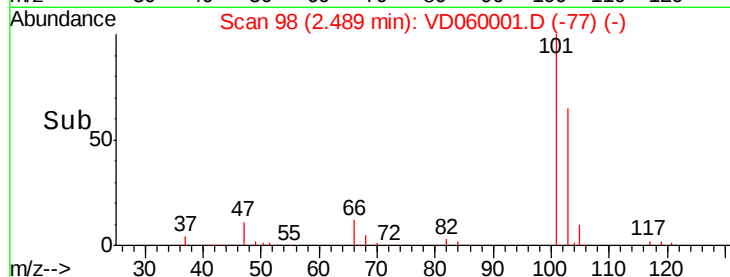
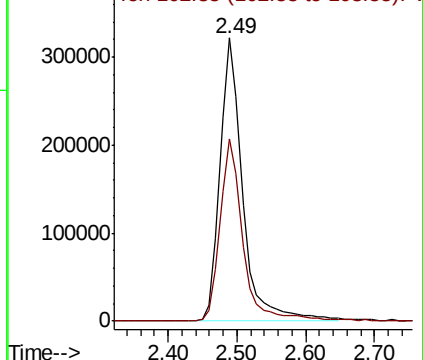
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 53.38 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060001.D

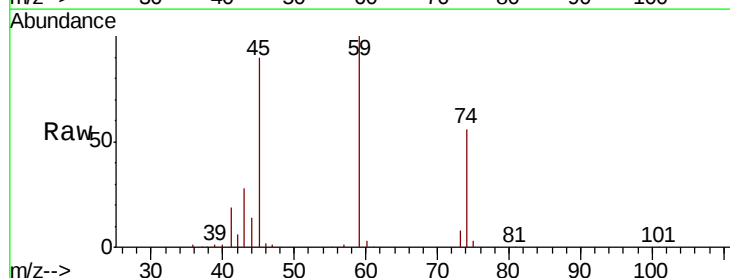
Acq: 14 Sep 2018 10:30

Tgt Ion: 74 Resp: 154482

Ion Ratio Lower Upper

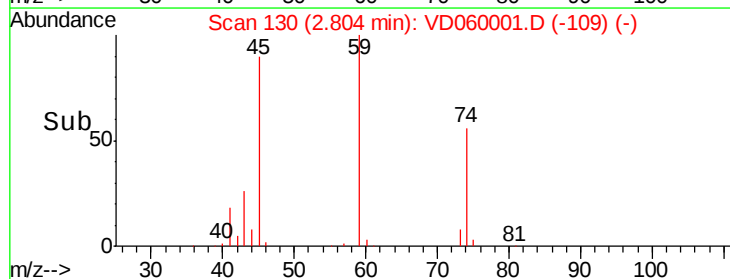
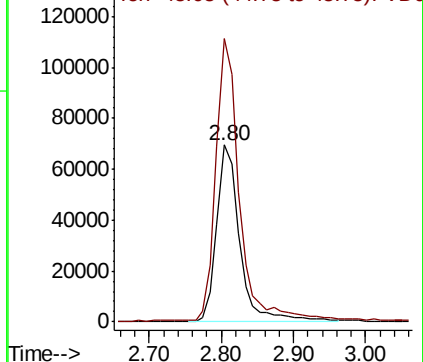
74 100

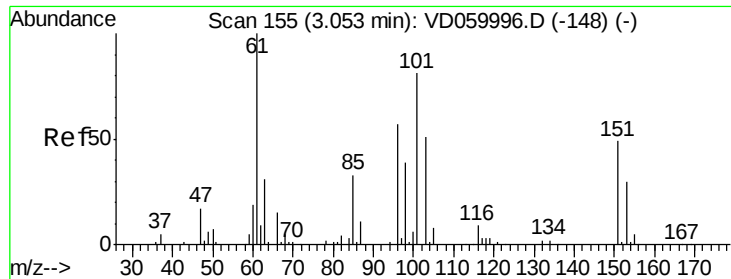
45 160.1 81.2 243.4



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: 52.95 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

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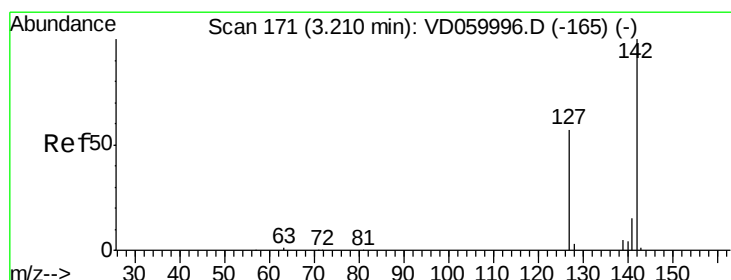
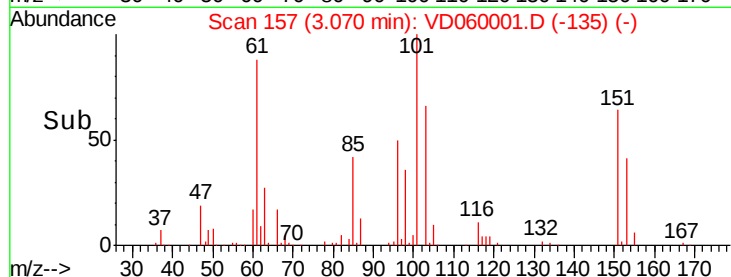
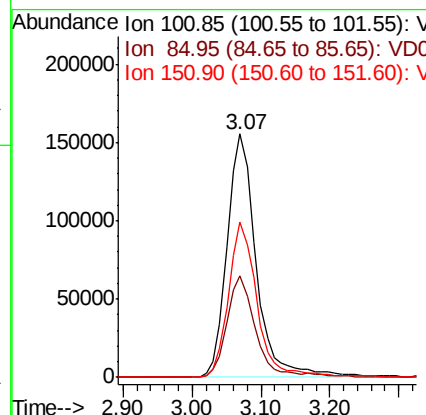
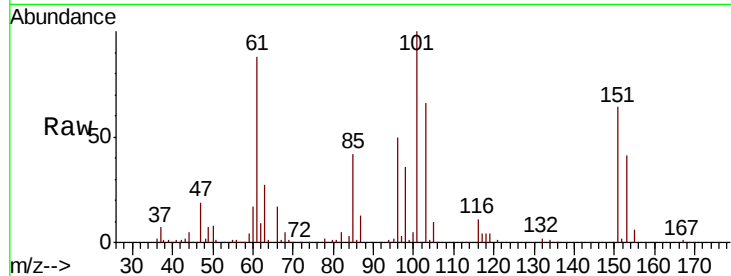
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	454546
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.1	49.7
151	63.9	48.2	72.4

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#10

Methyl Iodide

Concen: 51.94 ug/l

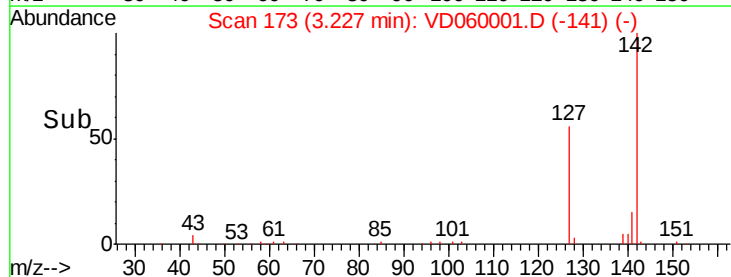
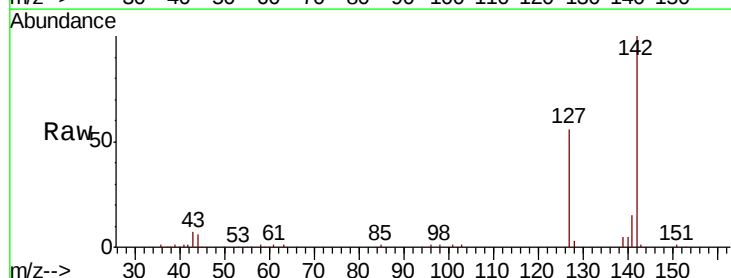
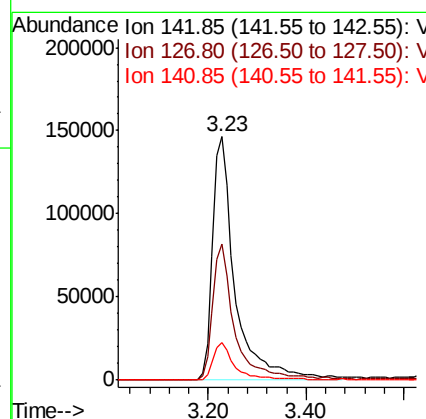
RT: 3.23 min Scan# 173

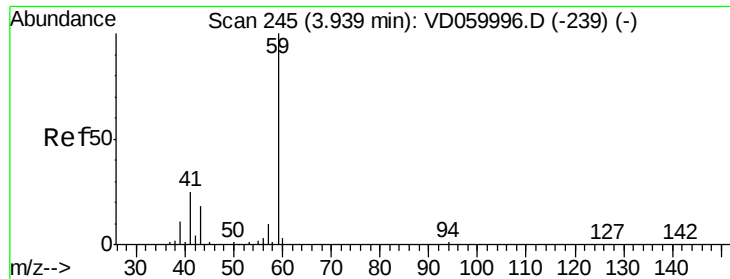
Delta R.T. 0.02 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tgt Ion:	142	Resp:	472262
Ion Ratio	Lower	Upper	
142	100		
127	55.9	45.8	68.8
141	15.3	12.2	18.4





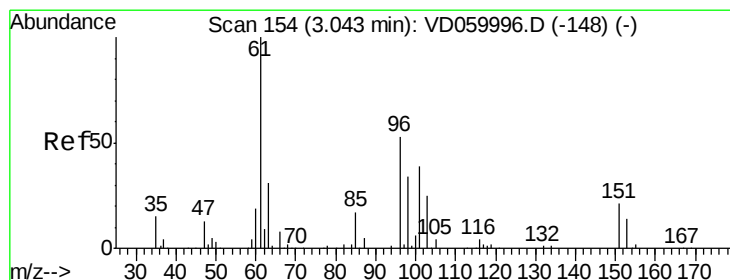
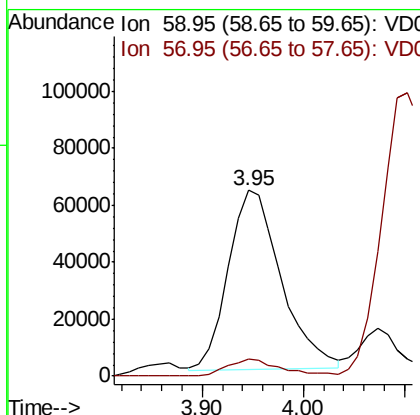
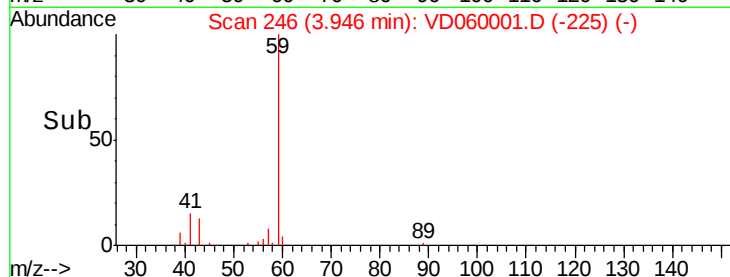
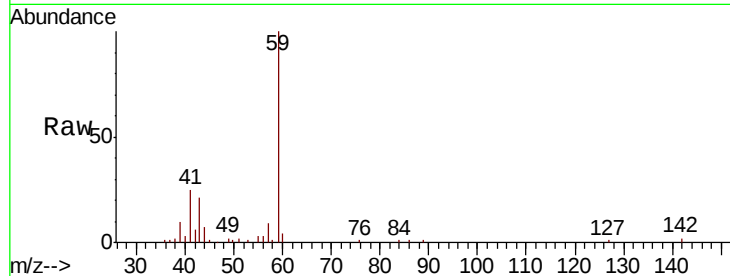
#11
Tert butyl alcohol
Concen: 222.10 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.4	11.2

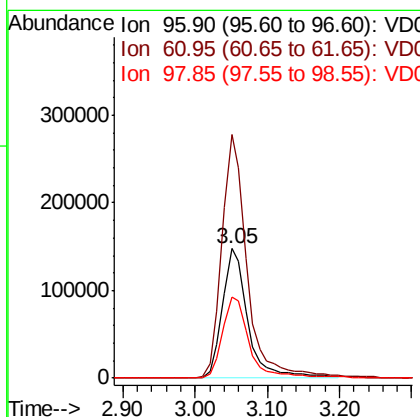
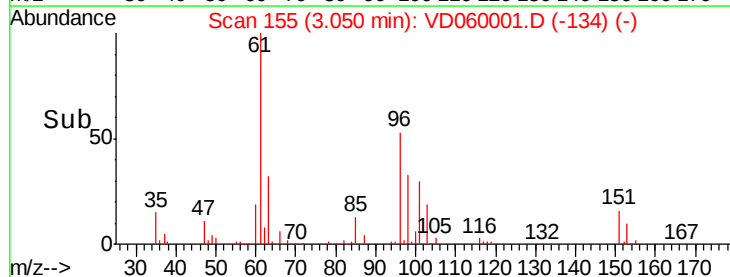
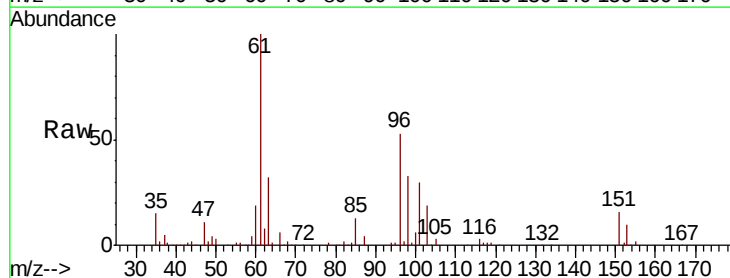
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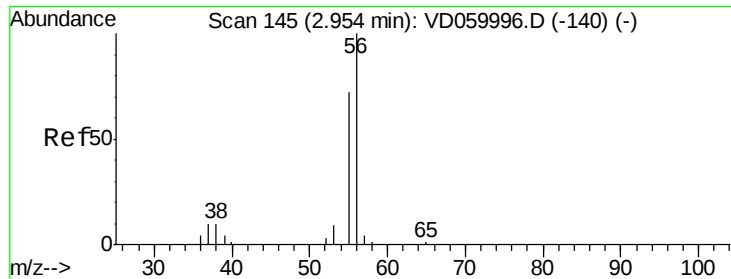
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#12
1,1-Dichloroethene
Concen: 53.63 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.8	149.8	224.6
98	62.3	50.2	75.4





#13

Acrolein

Concen: 246.06 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 158169

Ion Ratio Lower Upper

56 100

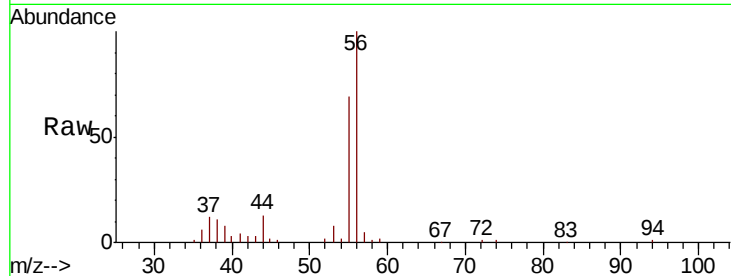
55 69.0 58.3 87.5

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

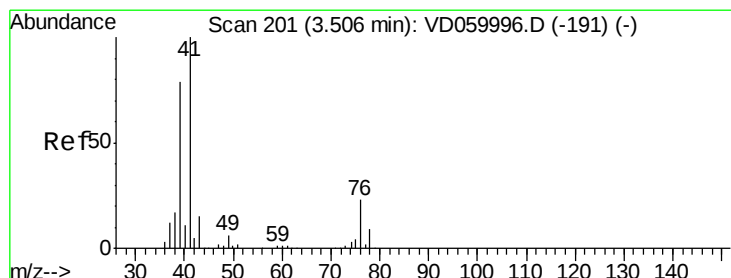
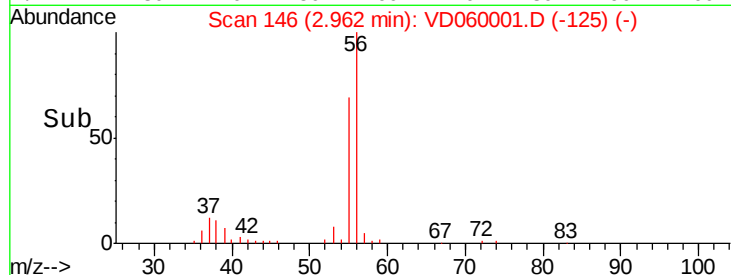
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 52.33 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

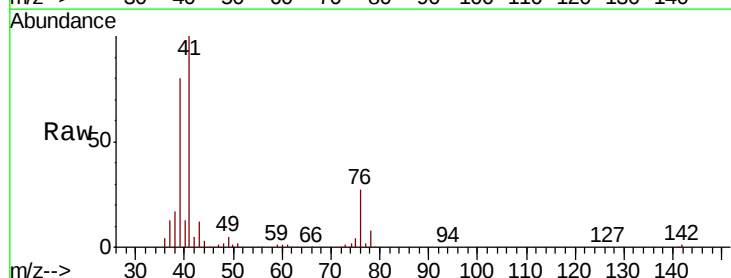
Tgt Ion: 41 Resp: 748998

Ion Ratio Lower Upper

41 100

39 80.1 63.6 95.4

76 26.5 21.1 31.7



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

3.51

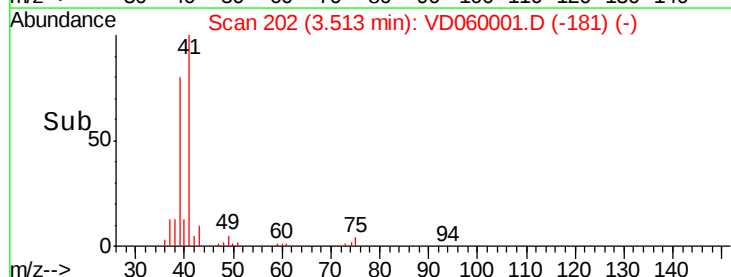
300000

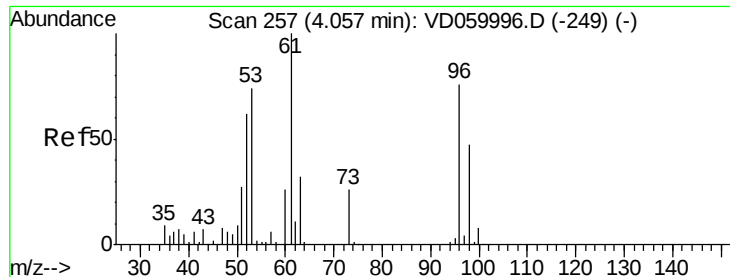
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 242.36 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

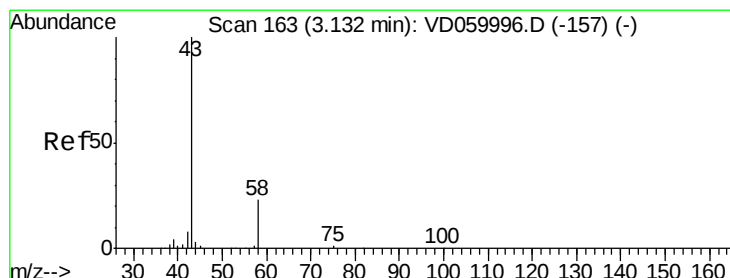
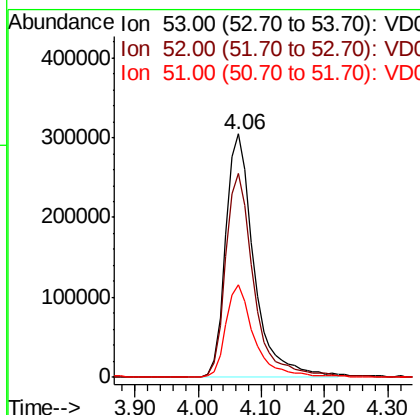
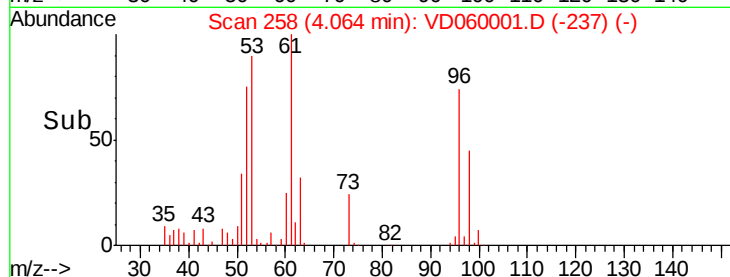
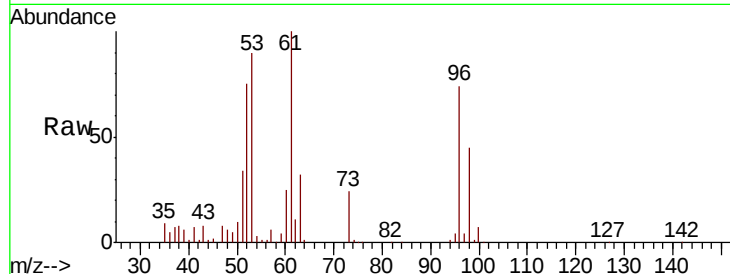
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	949619
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.7	100.1
51	38.0	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 284.16 ug/l

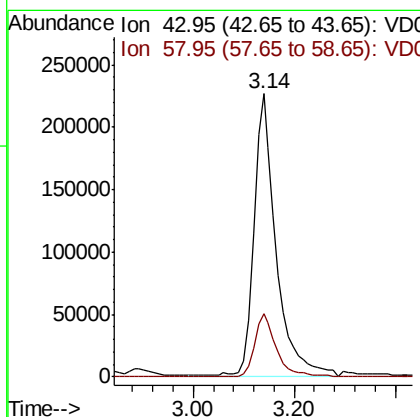
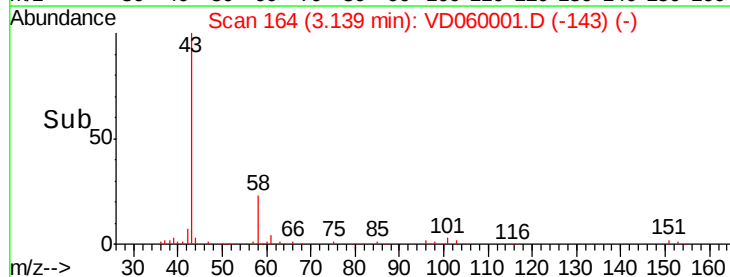
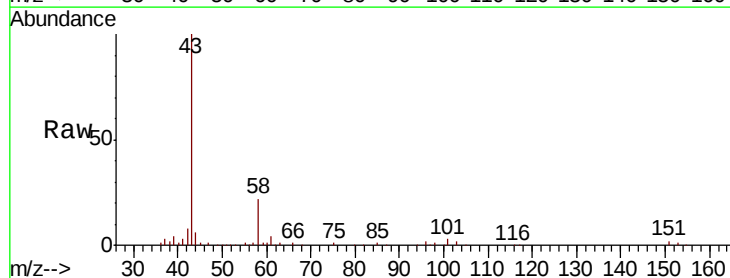
RT: 3.14 min Scan# 164

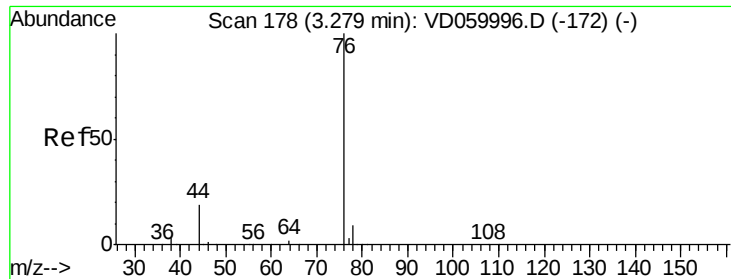
Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tgt Ion:	43	Resp:	705764
Ion Ratio	Lower	Upper	
43	100		
58	22.4	18.1	27.1





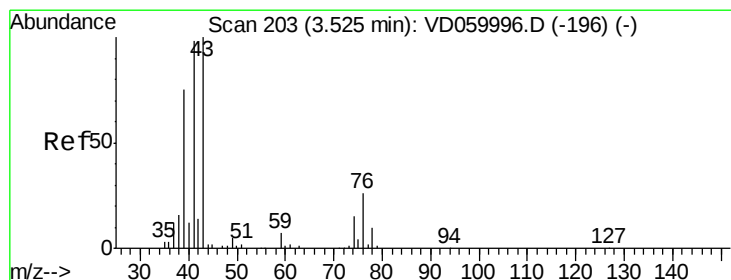
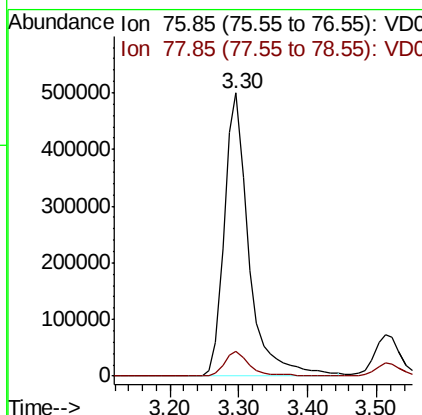
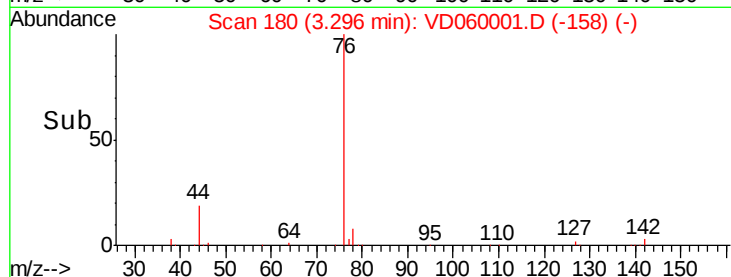
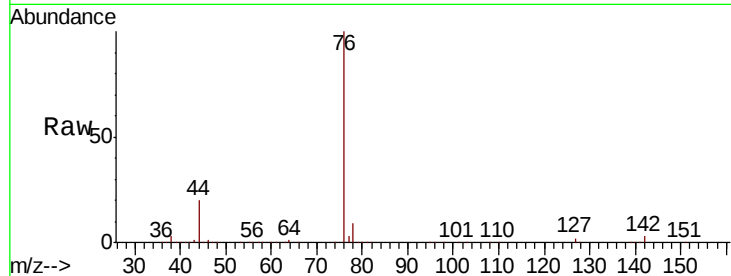
#17
Carbon Disulfide
Concen: 52.75 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1233682
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

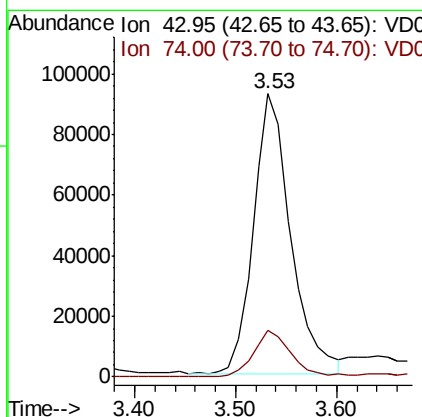
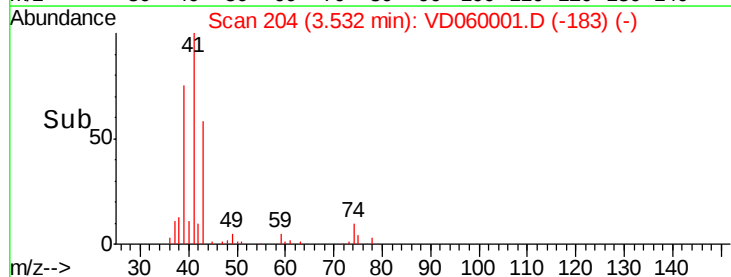
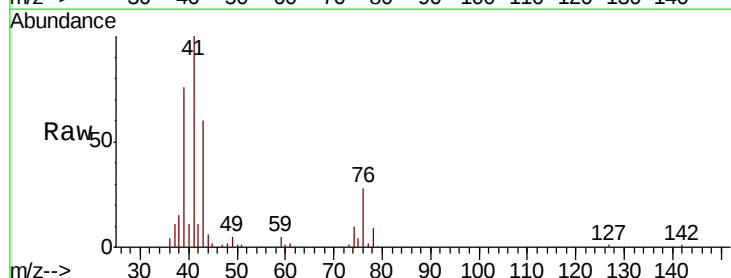
Manual Integrations
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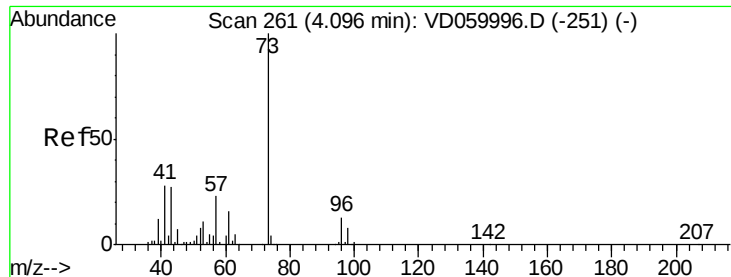
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#18
Methyl Acetate
Concen: 46.92 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 43 Resp: 237010
Ion Ratio Lower Upper
43 100
74 16.6 11.8 17.8





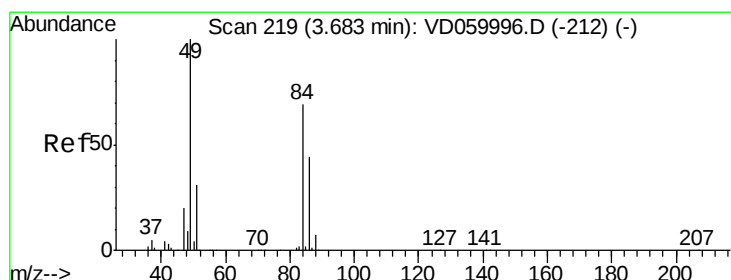
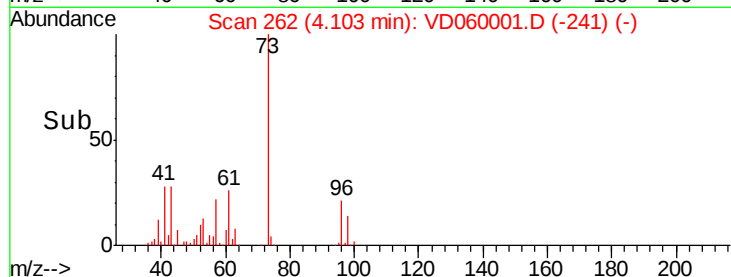
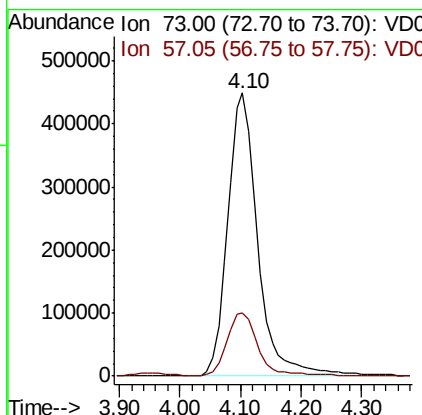
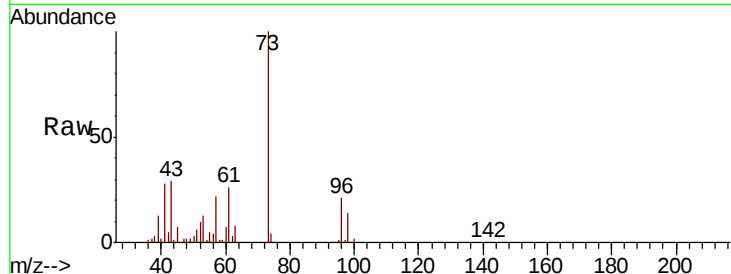
#19
Methvl tert-butvl Ether
Concen: 49.02 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1537433
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

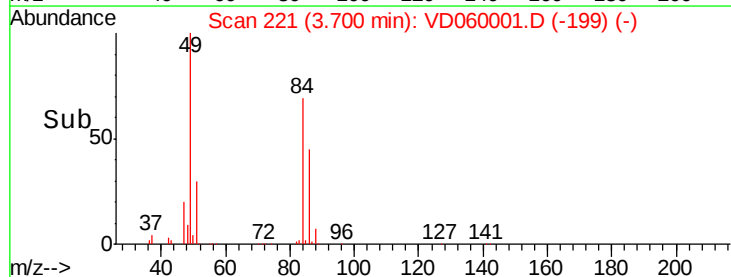
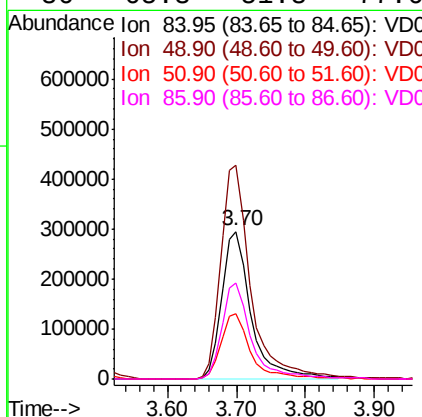
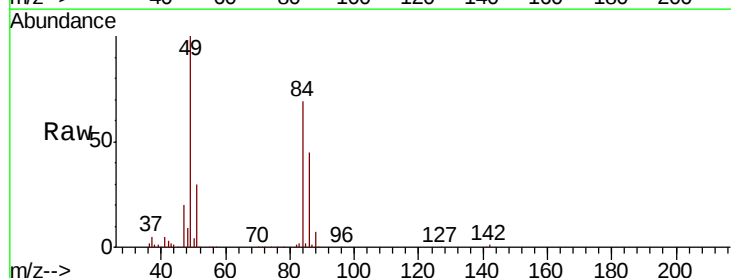
Manual Integrations
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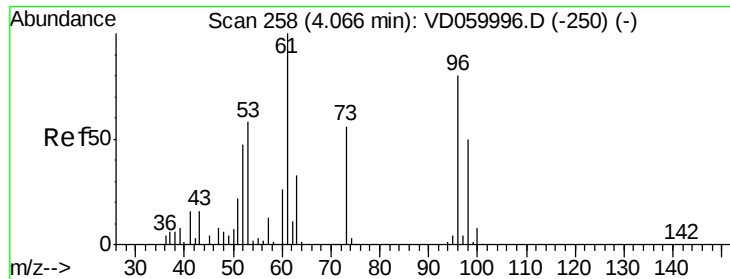
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#20
Methylene Chloride
Concen: 49.39 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 84 Resp: 874462
Ion Ratio Lower Upper
84 100
49 144.6 116.6 175.0
51 44.1 35.9 53.9
86 65.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.49 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 881501

Ion Ratio Lower Upper

96 100

61 131.9 100.1 150.1

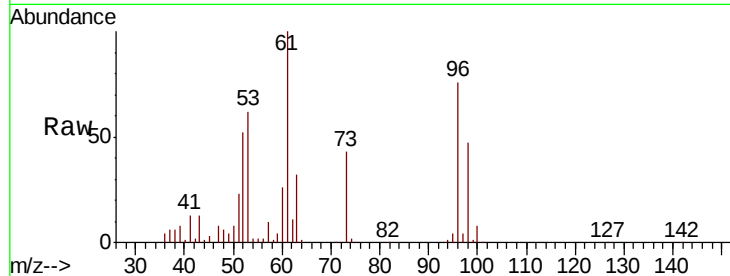
98 62.2 49.5 74.3

Manual Integrations

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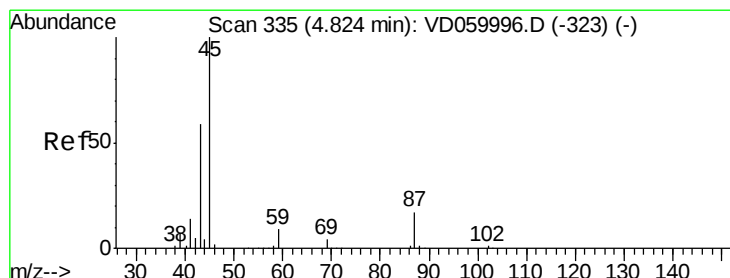
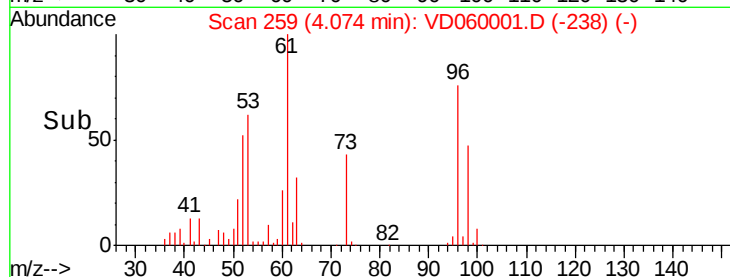
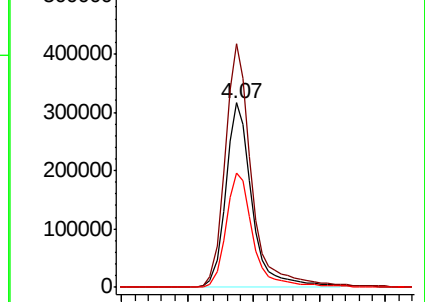
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.08 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tgt Ion: 45 Resp: 3270147

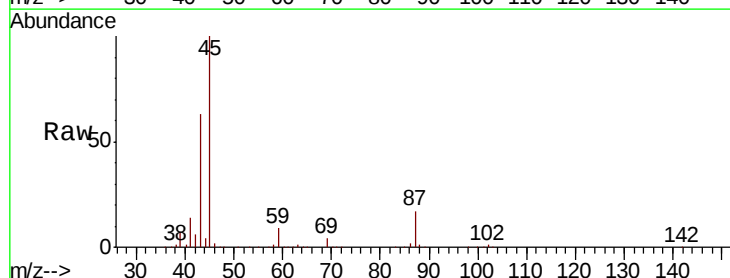
Ion Ratio Lower Upper

45 100

43 63.0 47.1 70.7

87 16.8 14.2 21.2

59 8.9 7.0 10.6

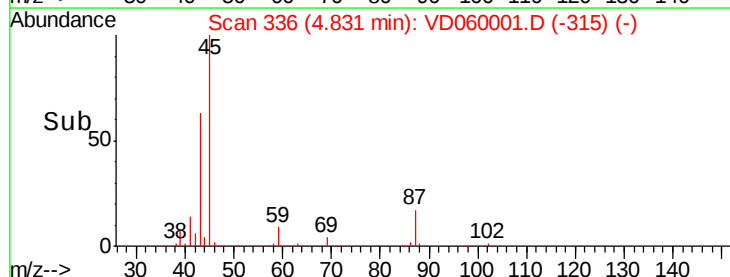
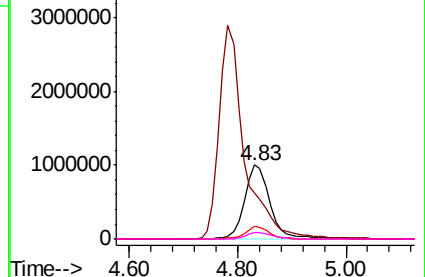


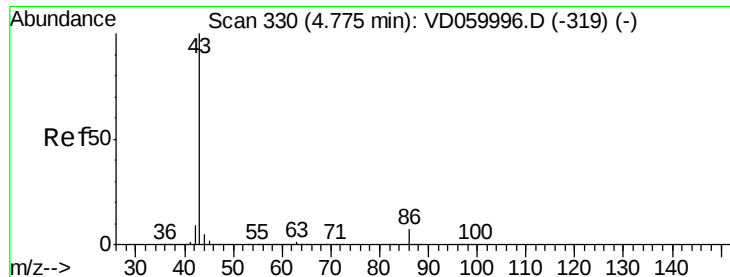
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 251.60 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9306926

Ion Ratio Lower Upper

43 100

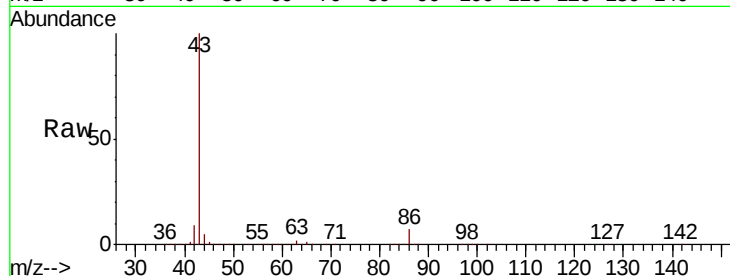
86 6.9 5.5 8.3

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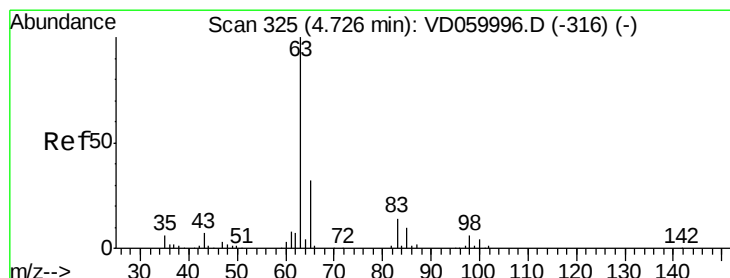
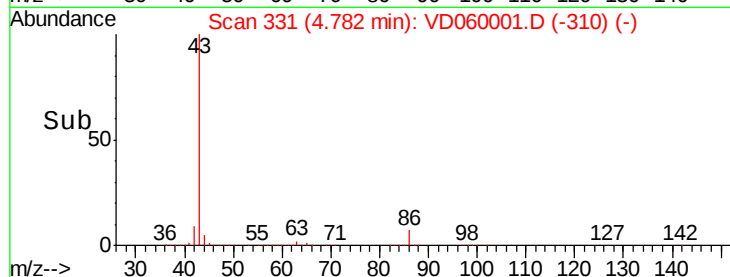
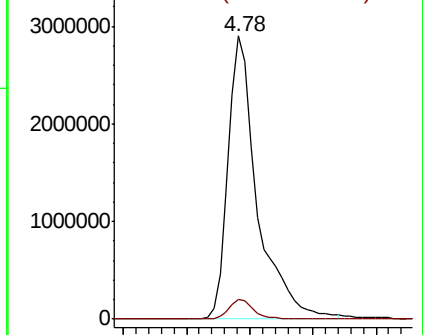
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.79 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

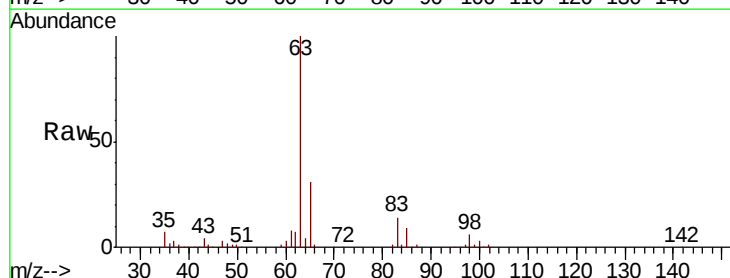
Tgt Ion: 63 Resp: 1459037

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

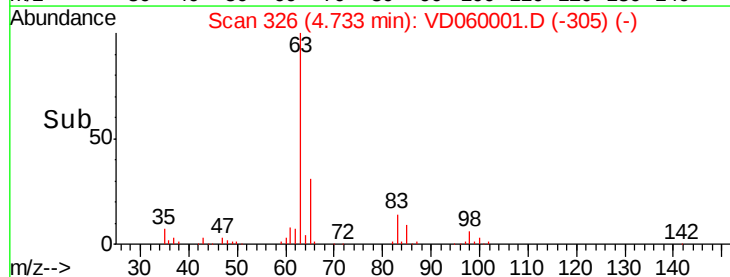
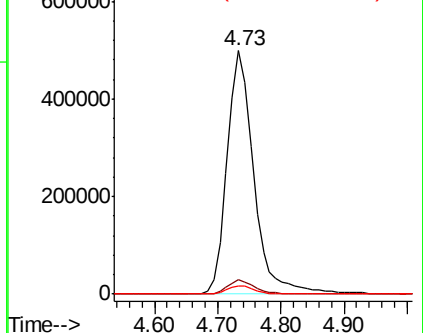
100 3.5 1.8 5.4

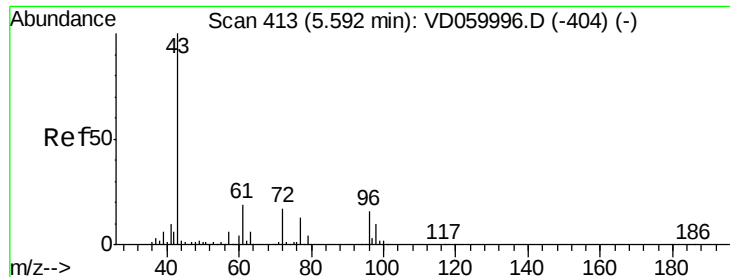


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 235.77 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1580160

Ion Ratio Lower Upper

43 100

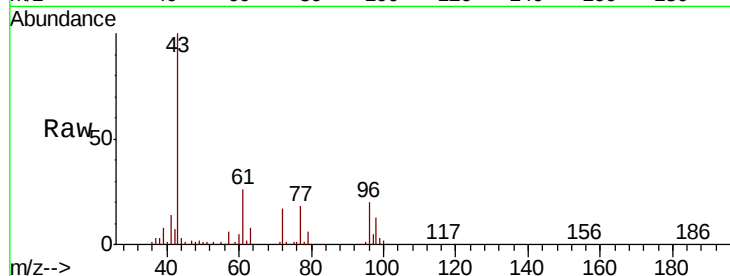
72 16.9 13.6 20.4

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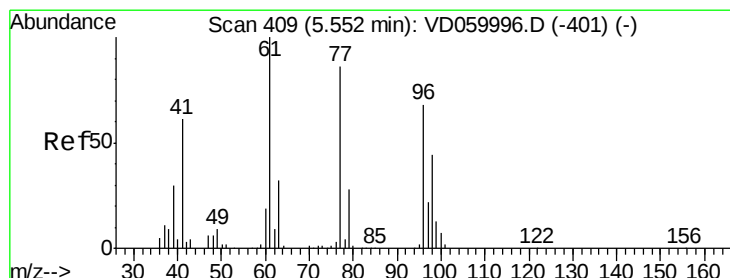
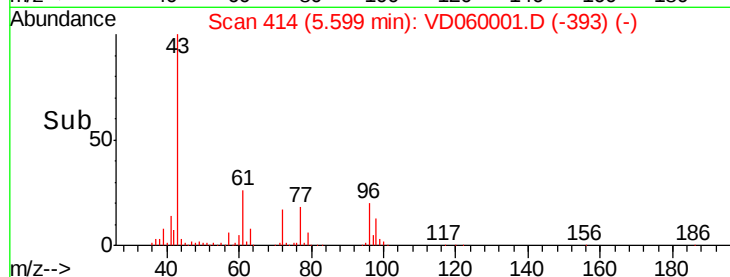
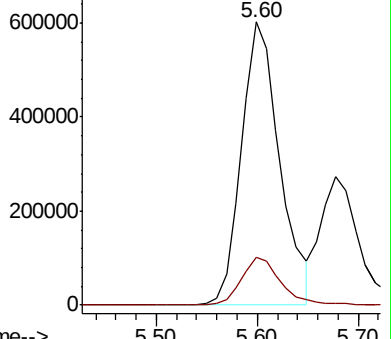
apatel

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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: 50.06 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060001.D

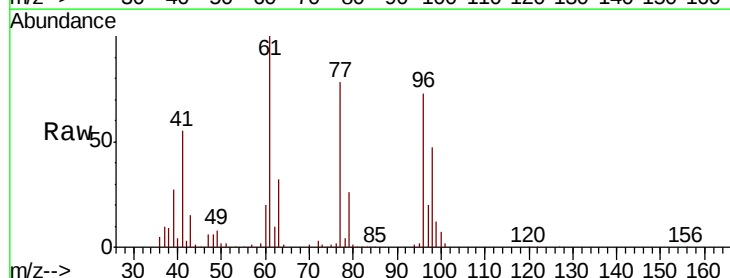
Acq: 14 Sep 2018 10:30

Tgt Ion: 77 Resp: 1140492

Ion Ratio Lower Upper

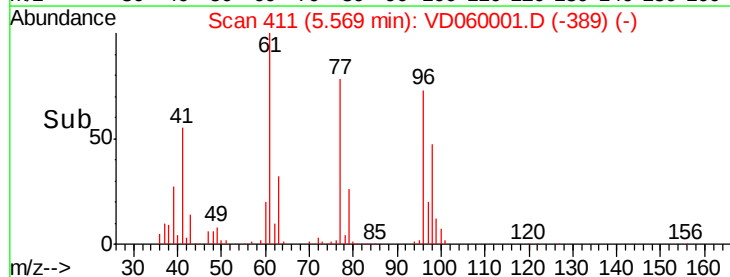
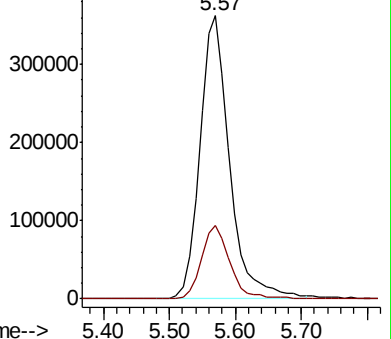
77 100

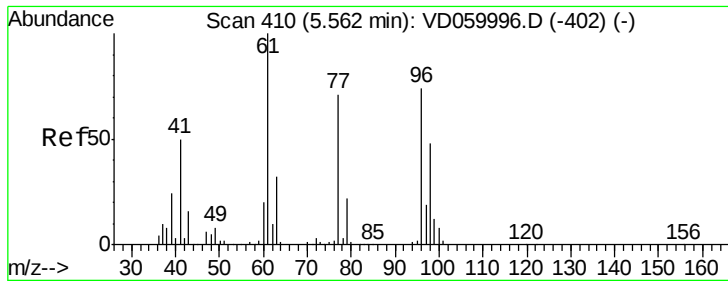
97 25.8 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

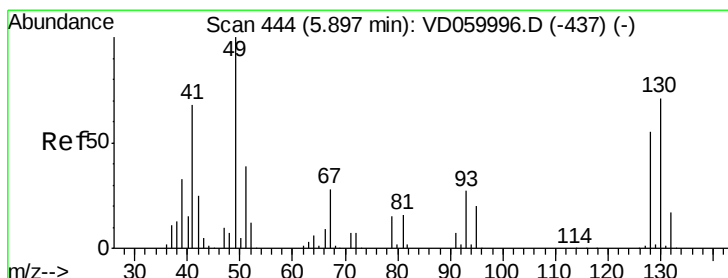
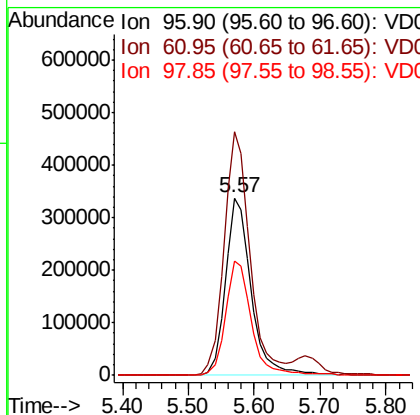
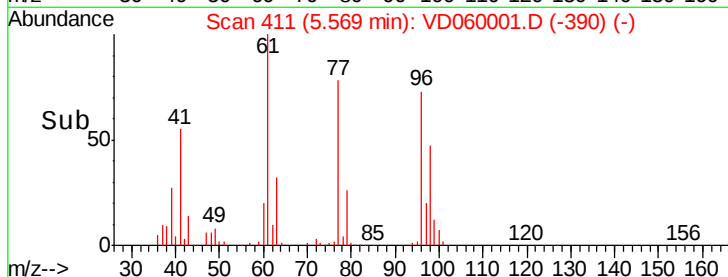
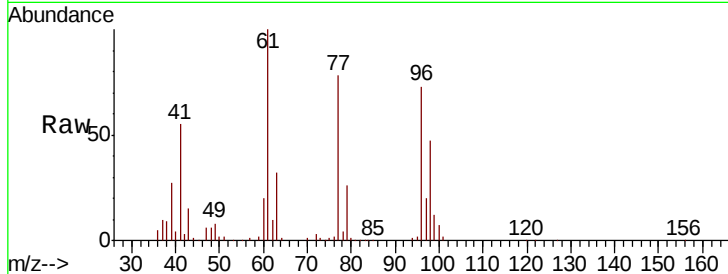
cis-1,2-Dichloroethene
Concen: 49.29 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	269.6
98	64.1	0.0	128.4

Manual Integrations
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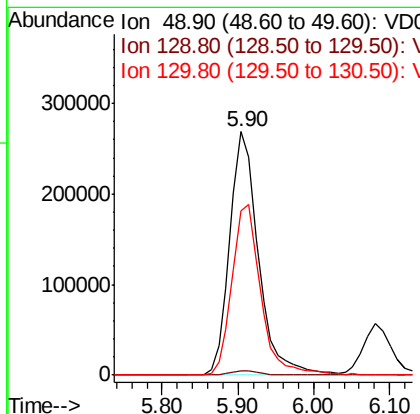
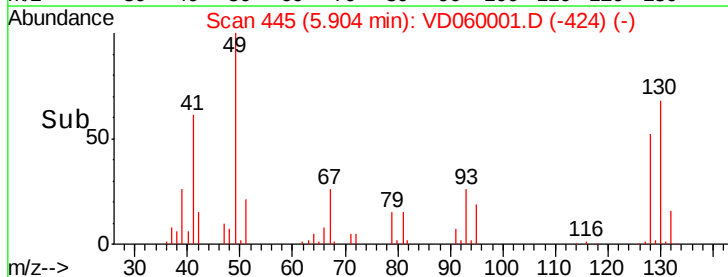
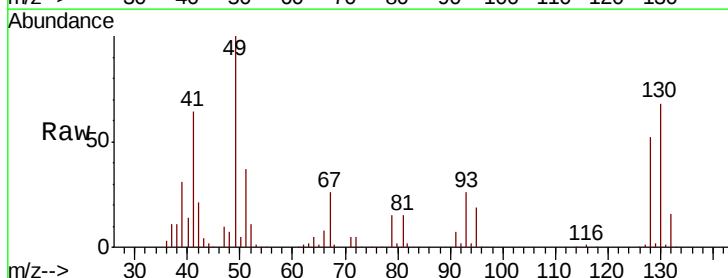
apatel
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#28

Bromochloromethane
Concen: 50.01 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	67.6	57.1	85.7





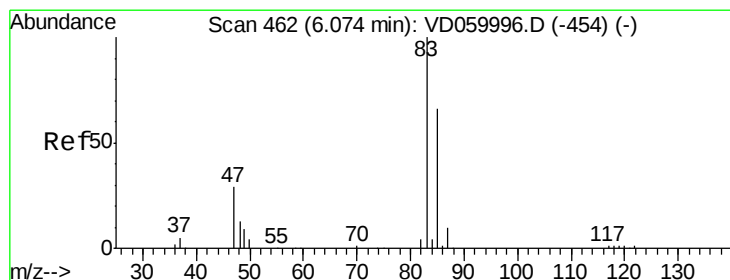
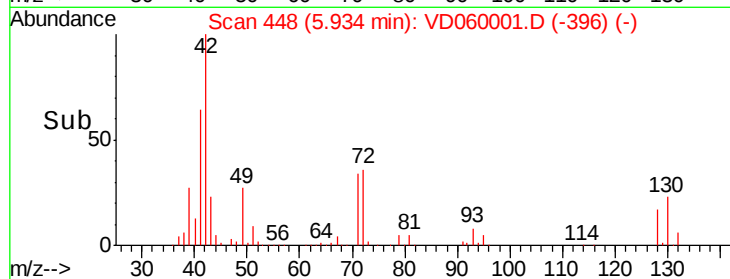
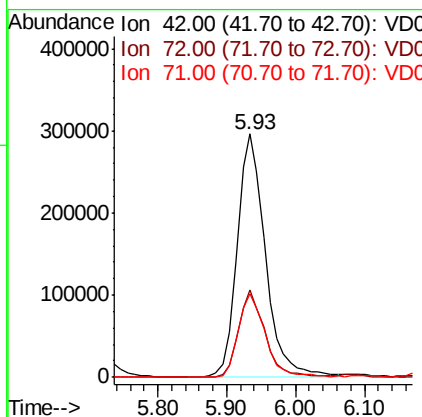
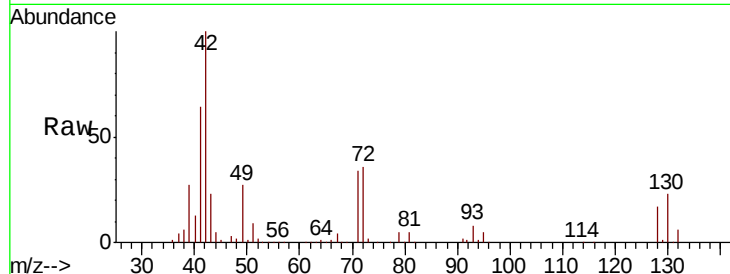
#29
Tetrahydrofuran
Concen: 231.94 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	26.9	40.3
71	33.0	26.2	39.4

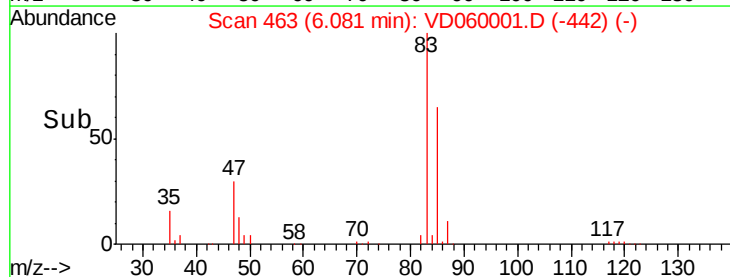
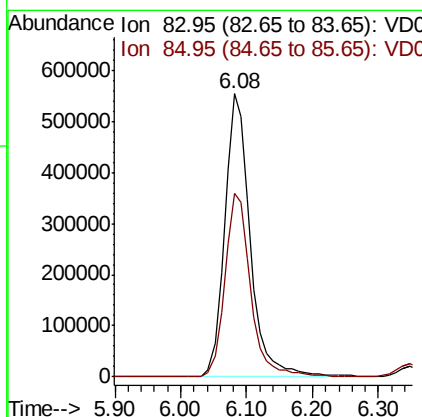
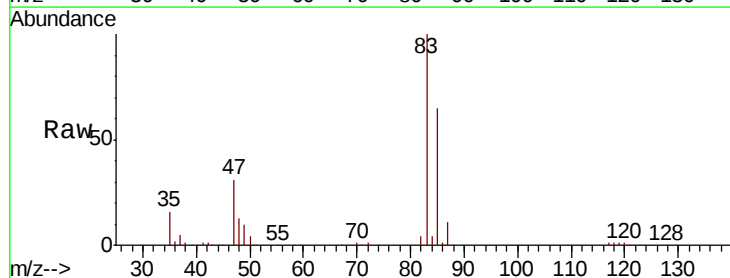
Manual Integrations
APPROVED

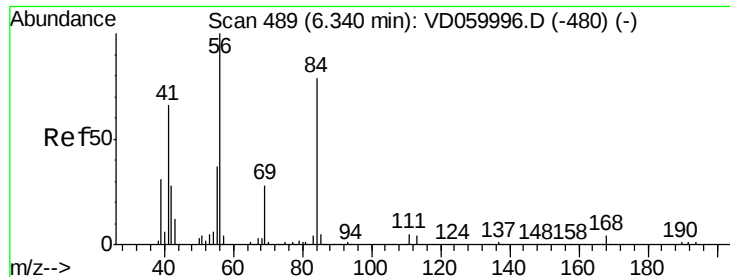
apatel
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#30
Chloroform
Concen: 50.30 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





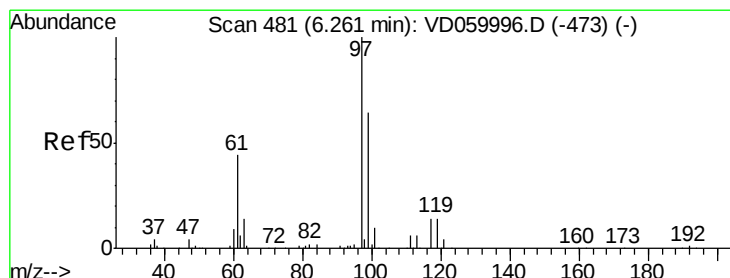
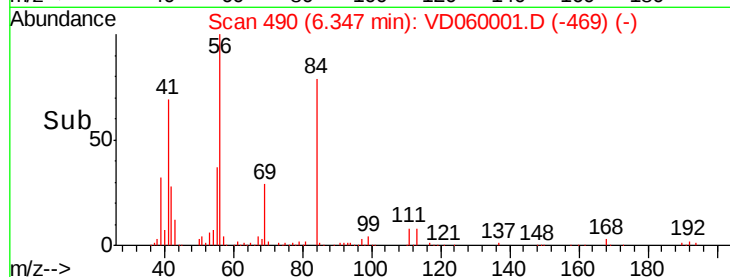
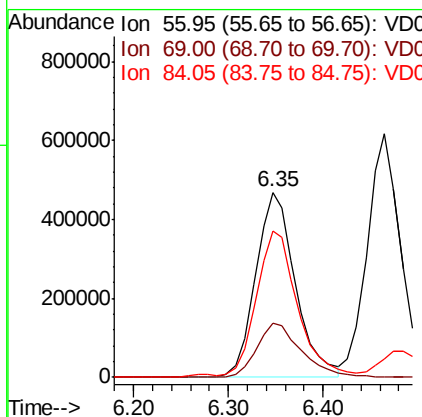
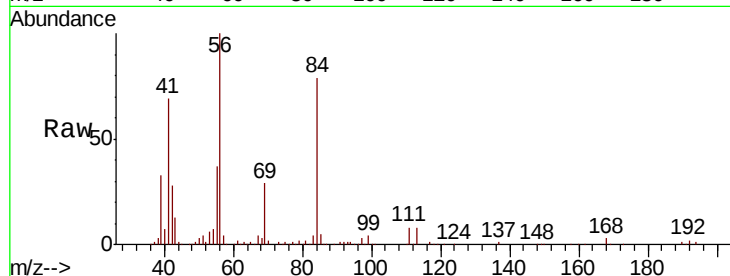
#31
Cyclohexane
Concen: 47.73 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1363533
Ion Ratio Lower Upper
56 100
69 29.0 22.7 34.1
84 79.3 64.0 96.0

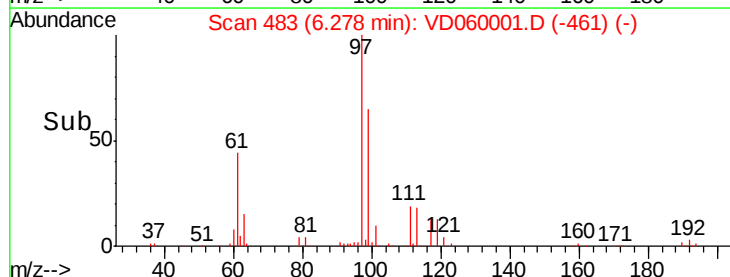
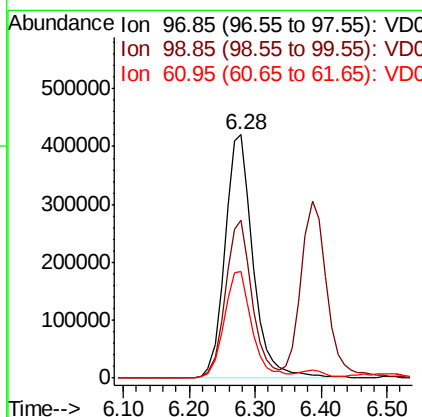
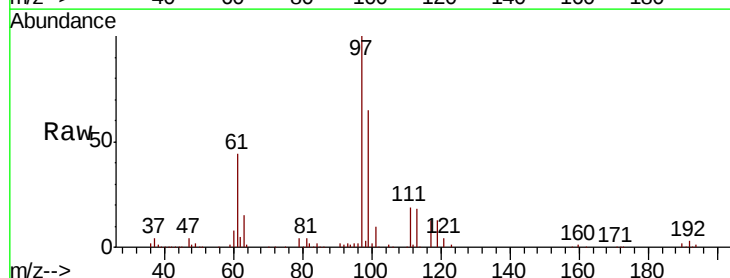
Manual Integrations
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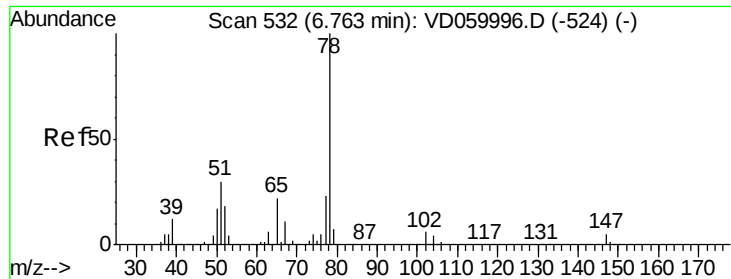
apatel
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#32
1,1,1-Trichloroethane
Concen: 50.73 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 97 Resp: 1250327
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 43.8 35.5 53.3





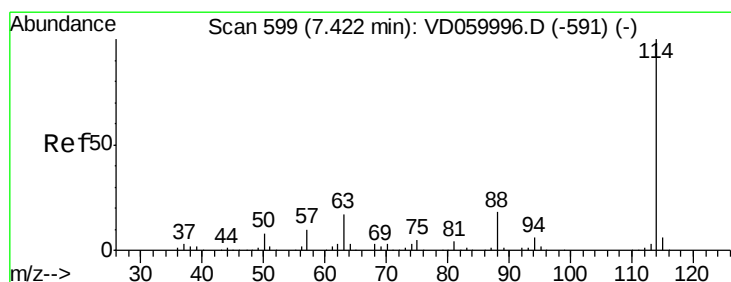
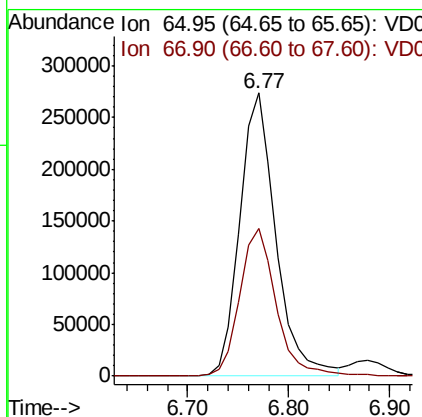
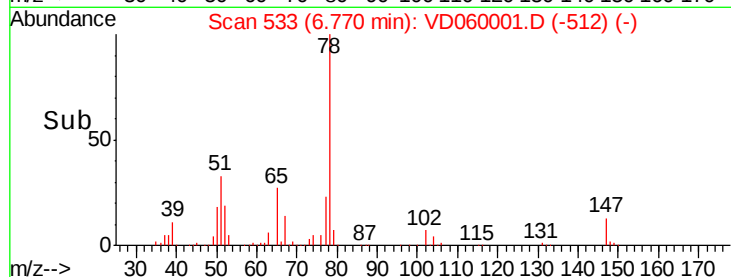
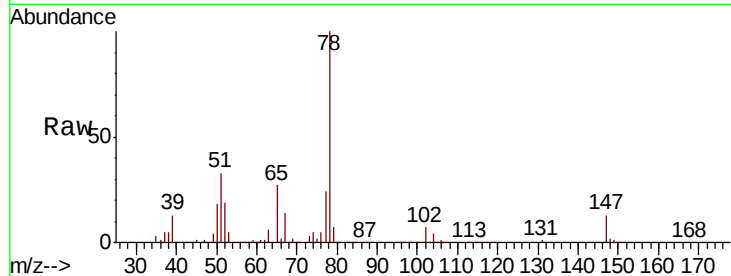
#33
 1,2-Dichloroethane-d4
 Concen: 50.73 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 681099
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8

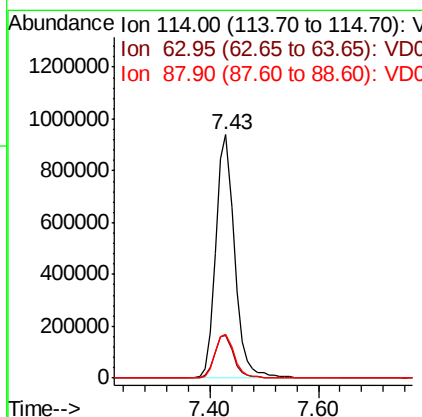
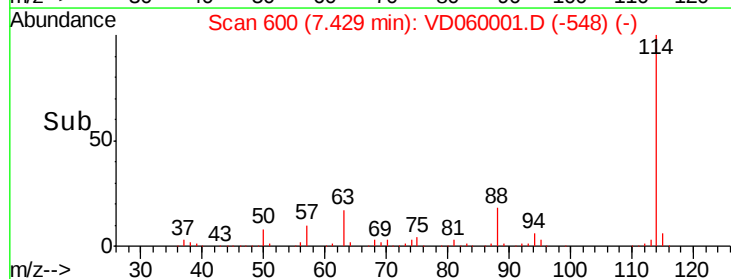
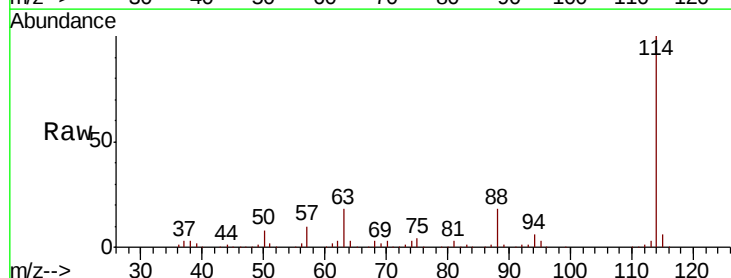
Manual Integrations
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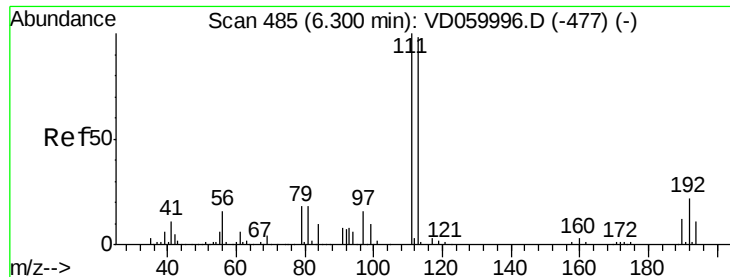
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 114 Resp: 2257832
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.4
 88 18.0 0.0 35.8





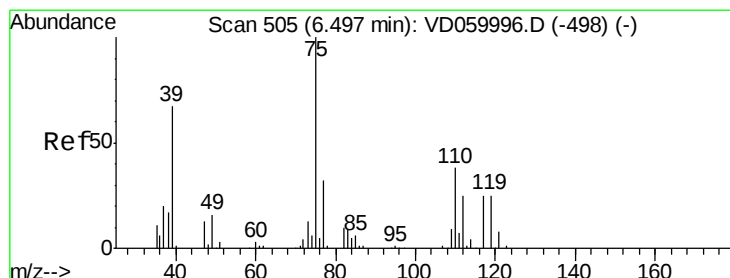
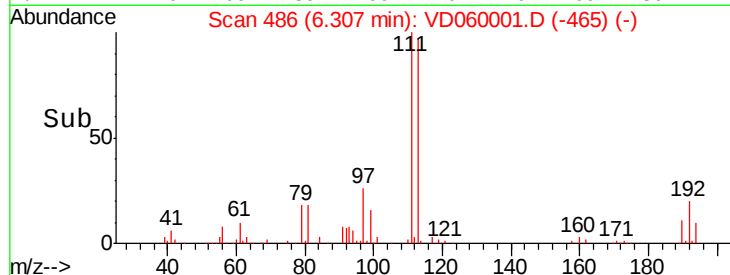
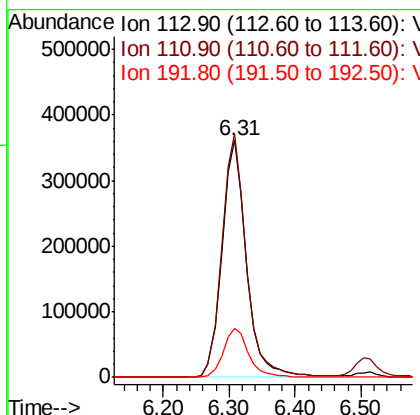
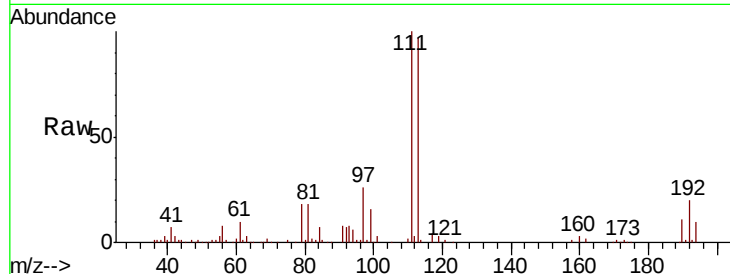
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	942333		
111	102.7	81.3	121.9	
192	20.9	18.1	27.1	

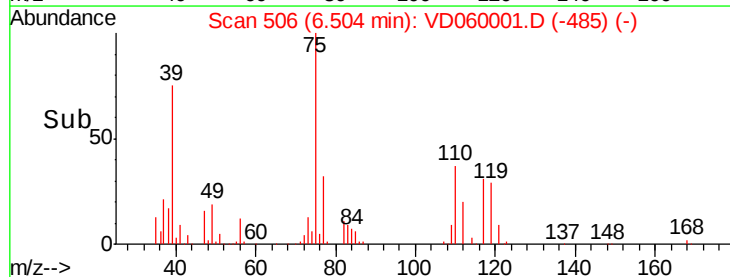
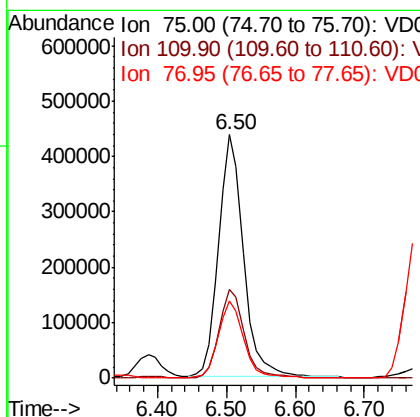
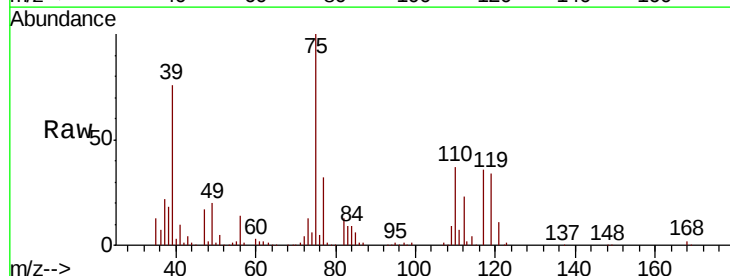
Manual Integrations
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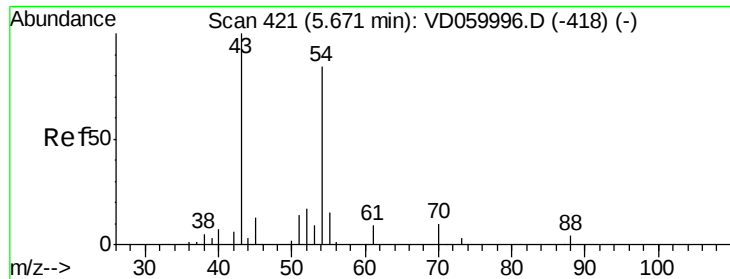
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#36
 1,1-Dichloropropene
 Concen: 48.72 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1092589		
110	36.6	18.9	56.9	
77	31.8	25.3	37.9	





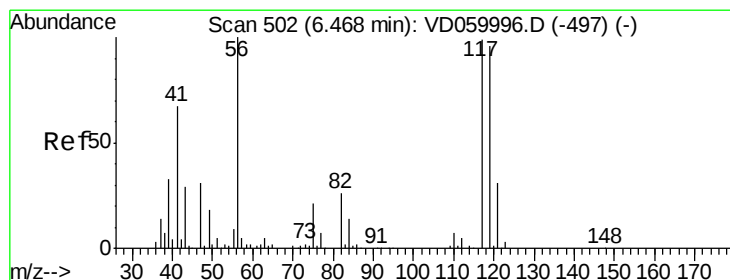
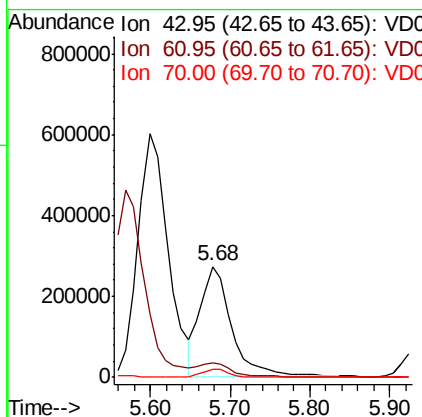
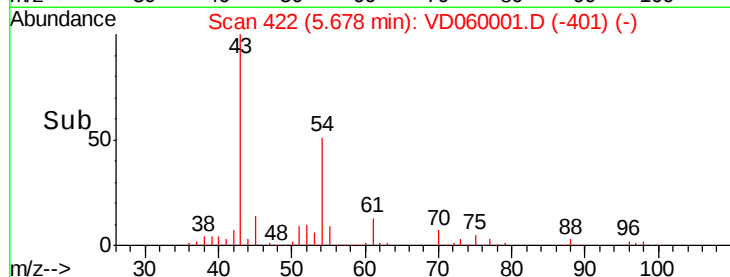
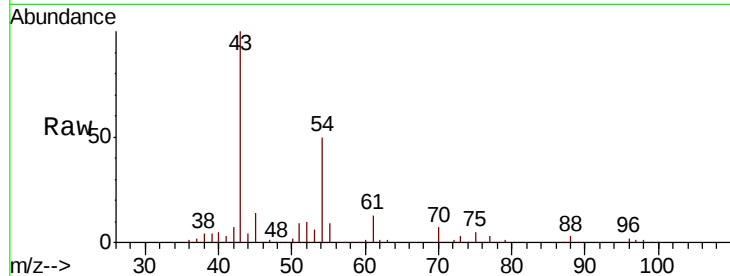
#37
Ethyl Acetate
Concen: 47.76 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	7.4	6.1	9.1

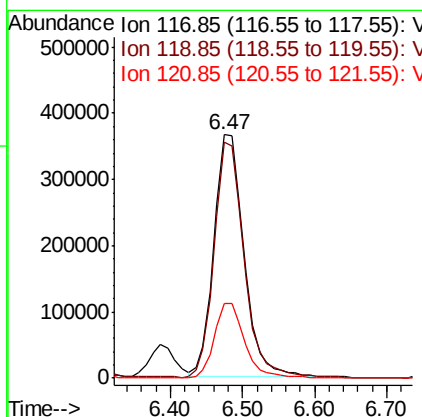
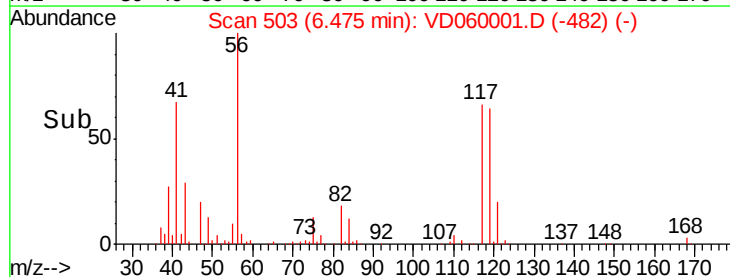
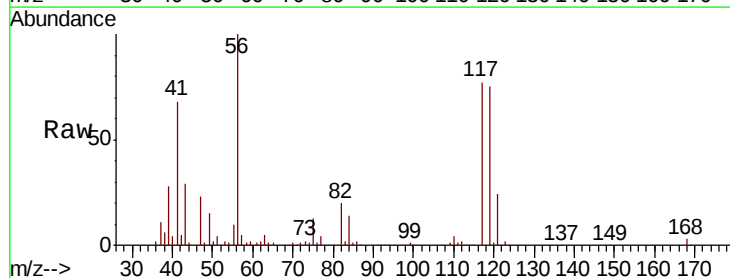
Manual Integrations
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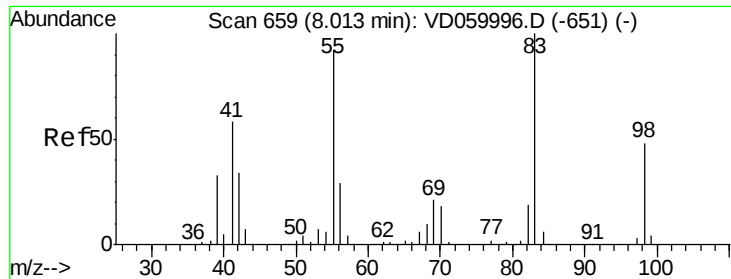
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#38
Carbon Tetrachloride
Concen: 50.38 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.7	115.1
121	30.8	24.9	37.3





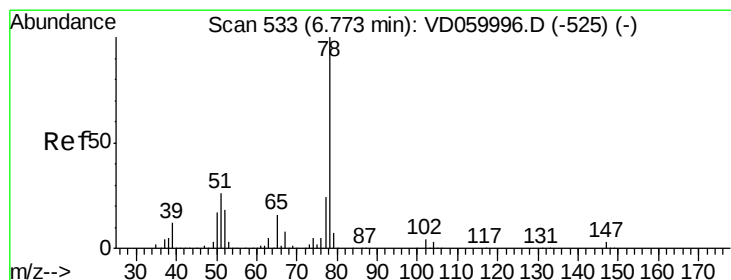
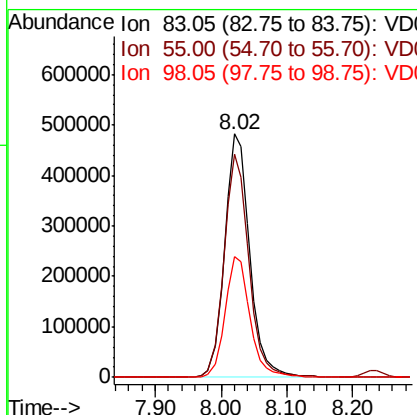
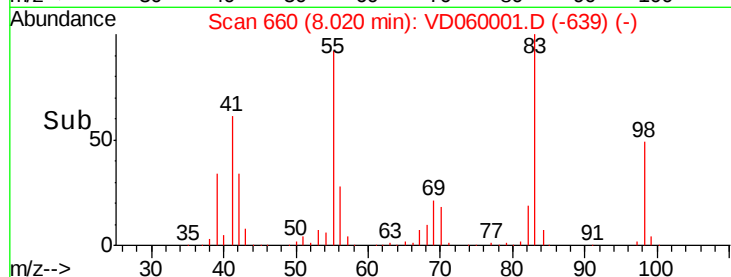
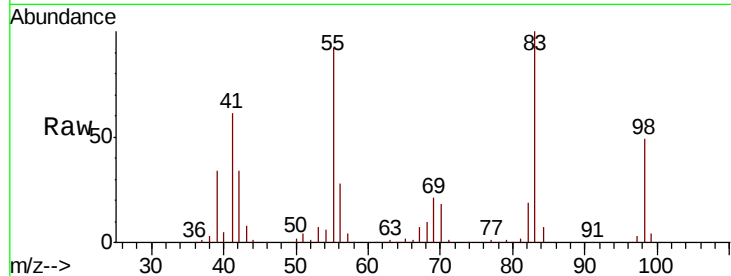
#39
Methylcyclohexane
Concen: 50.71 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1286496
Ion Ratio Lower Upper
83 100
55 91.7 73.8 110.6
98 49.4 38.1 57.1

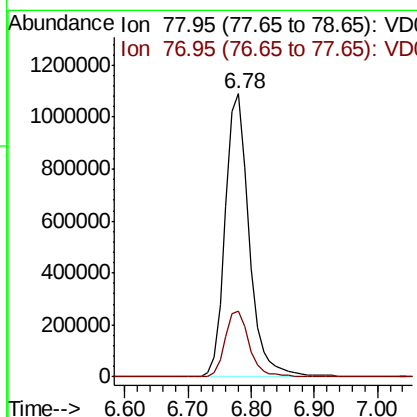
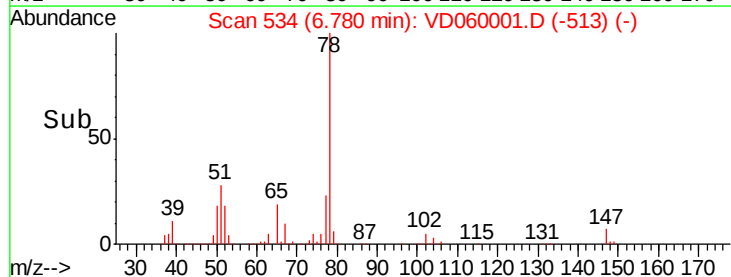
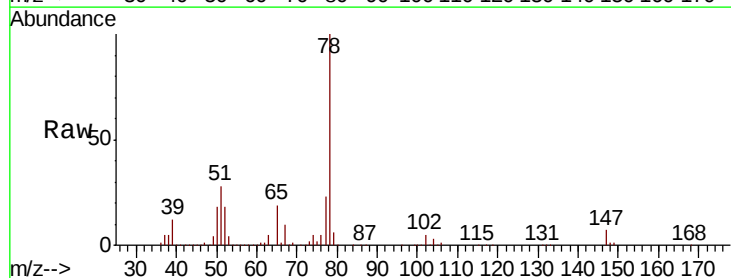
Manual Integrations
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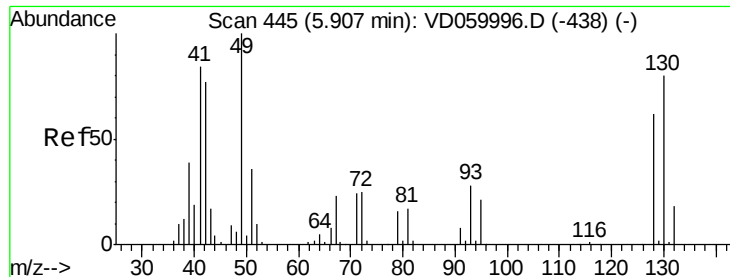
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#40
Benzene
Concen: 50.29 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 78 Resp: 2874600
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





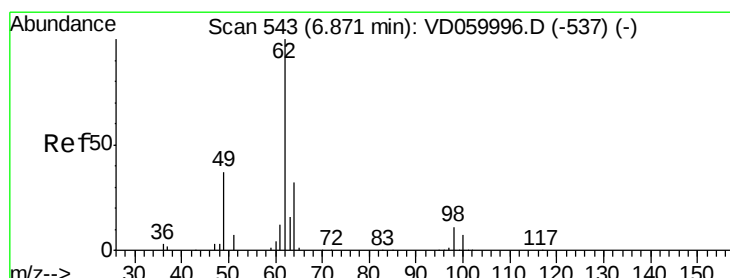
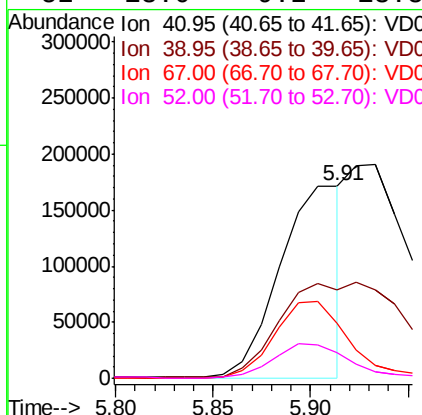
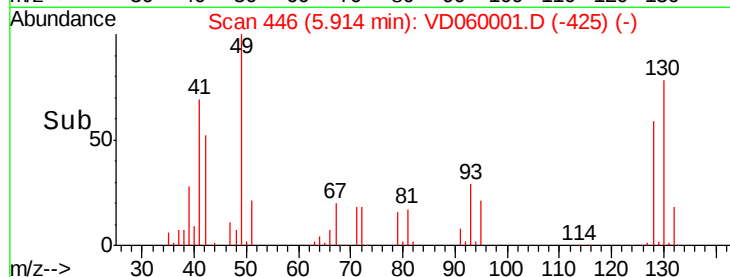
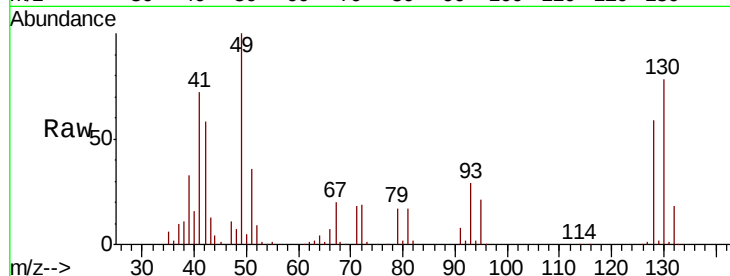
#41
Methacrylonitrile
Concen: 48.17 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.2	37.5	56.3
67	28.5	21.5	32.3
52	13.0	9.2	13.8

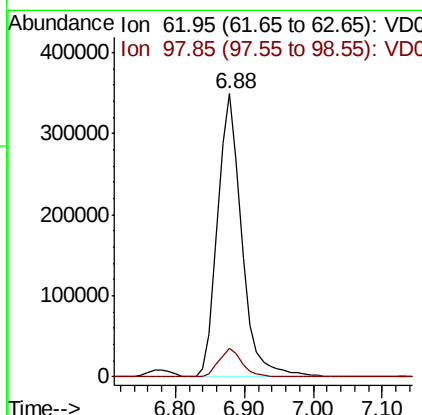
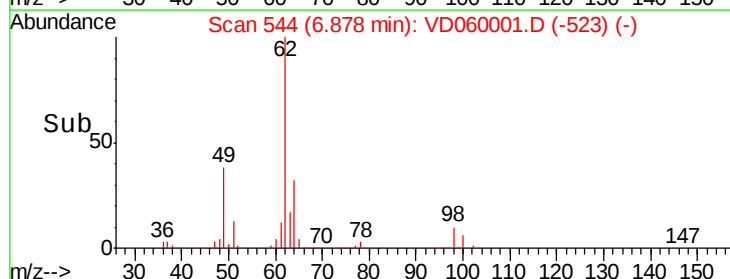
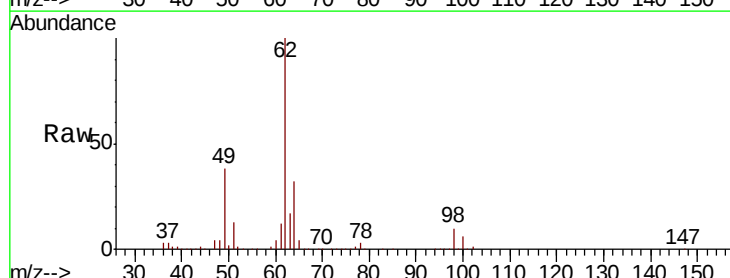
Manual Integrations
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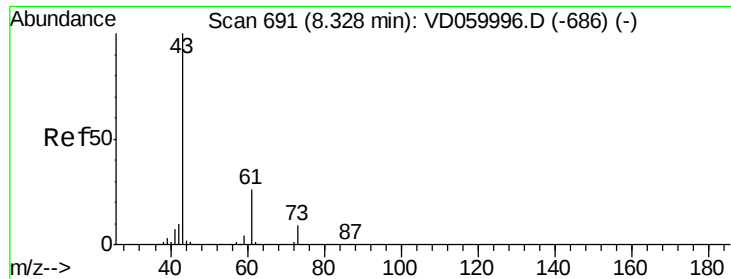
apatel
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#42
1,2-Dichloroethane
Concen: 49.25 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





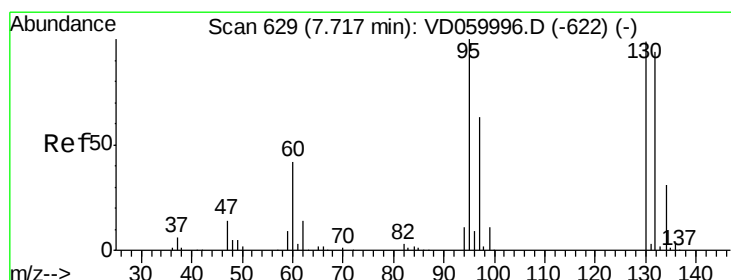
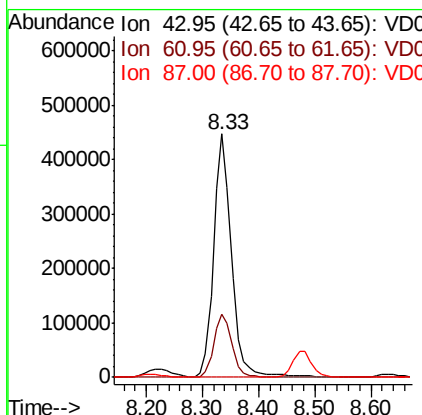
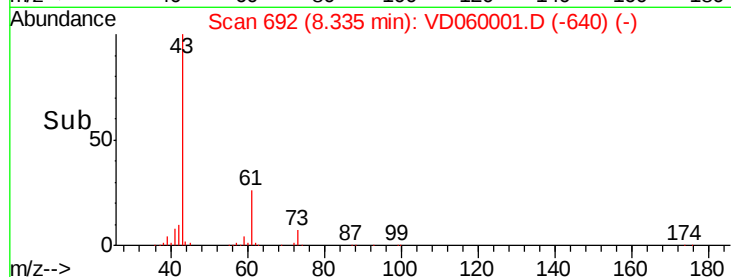
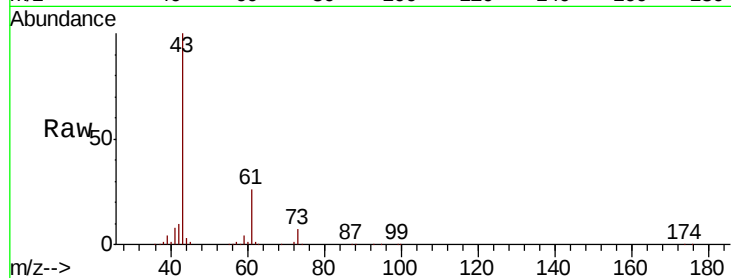
#43
Isopropyl Acetate
Concen: 47.84 ug/l
RT: 8.33 min Scan# 692
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.0	31.6
87	0.3	0.2	0.2#

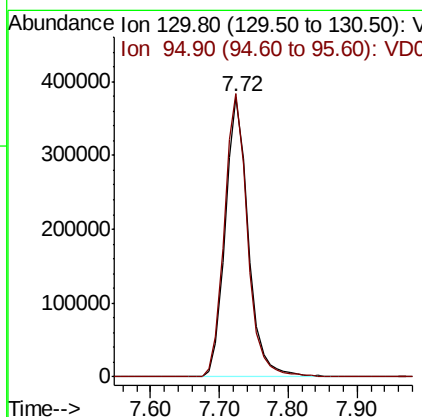
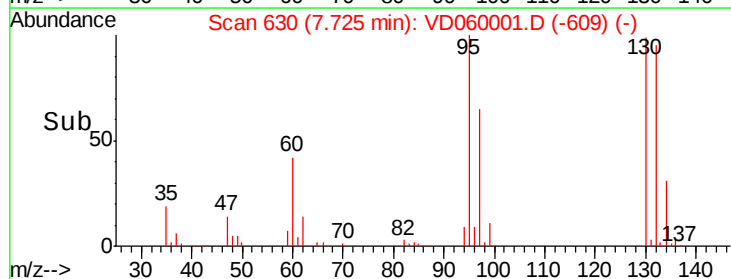
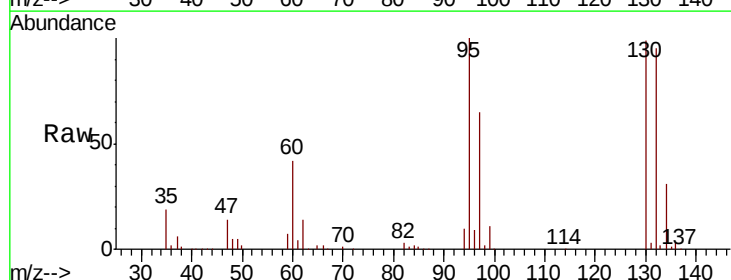
Manual Integrations
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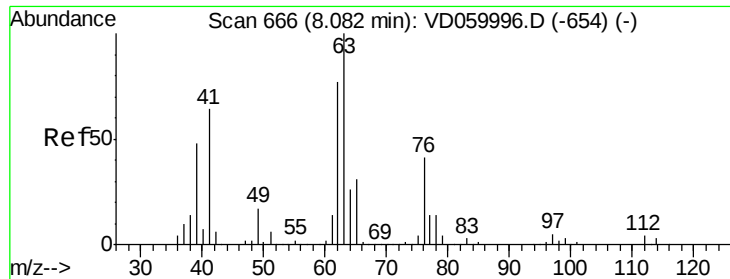
apatel
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#44
Trichloroethene
Concen: 49.71 ug/l
RT: 7.72 min Scan# 630
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.0





#45

1,2-Dichloropropane

Concen: 50.61 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 773601

Ion Ratio Lower Upper

63 100

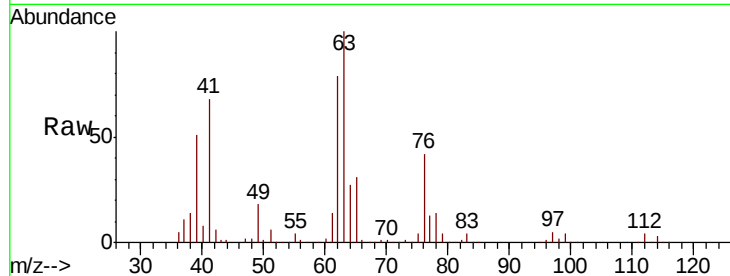
65 31.0 24.6 37.0

Manual Integrations

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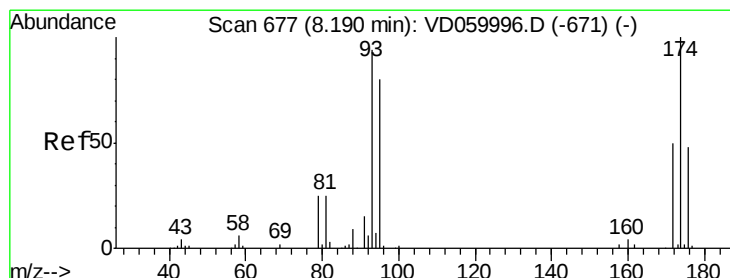
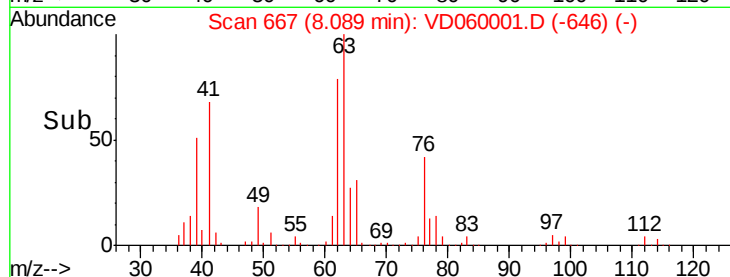
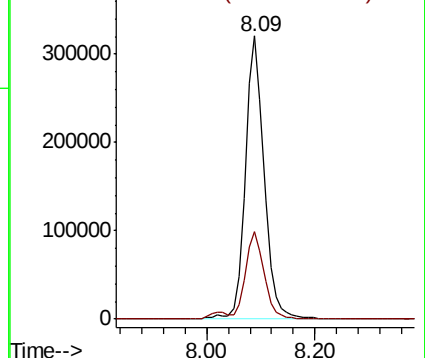
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.24 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

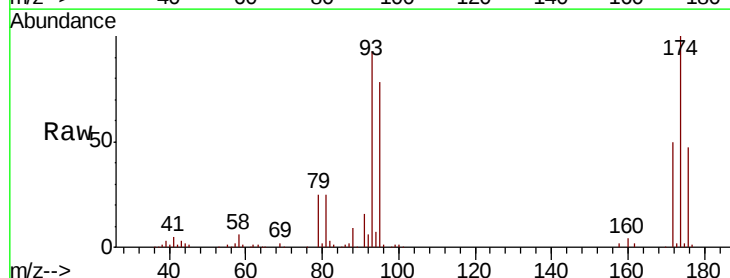
Tgt Ion: 93 Resp: 491127

Ion Ratio Lower Upper

93 100

95 83.5 68.0 102.0

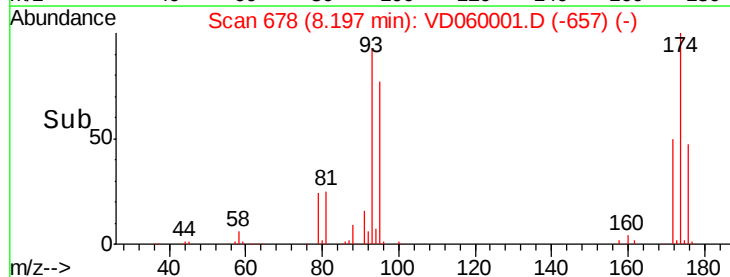
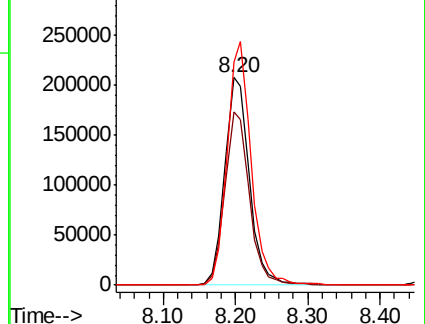
174 107.4 85.4 128.2

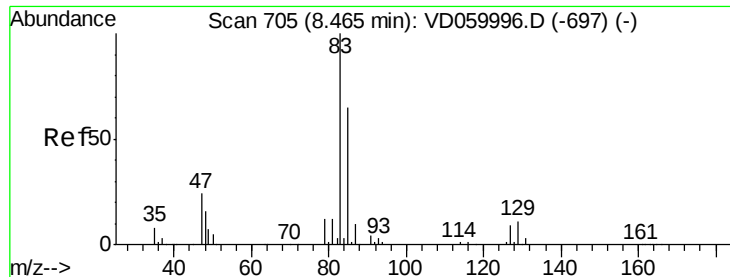


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.99 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

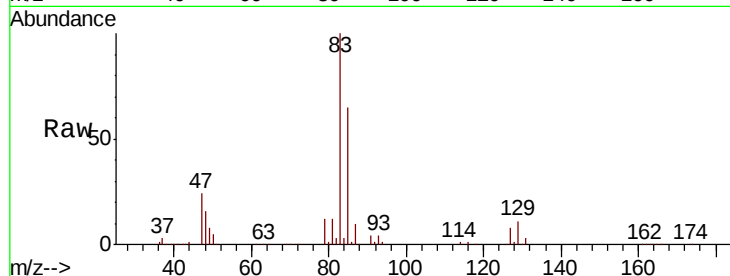
ClientSampleId :

VSTDCCC050

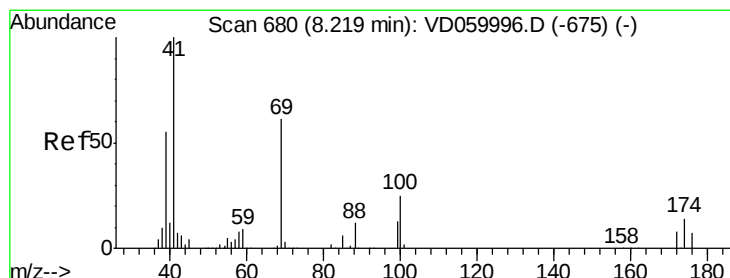
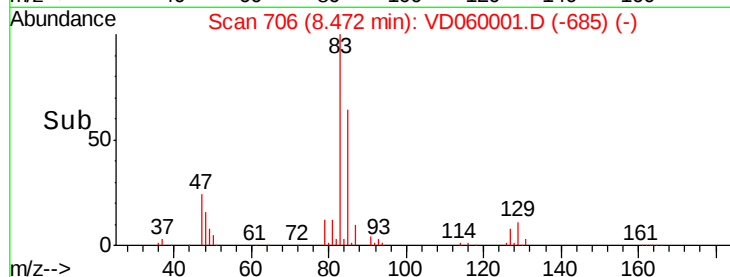
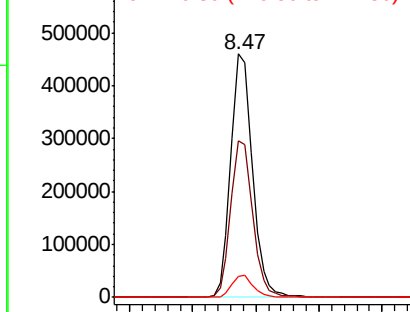
Tot Ion:	83	Resp:	1096381
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9
127	8.5	6.8	10.2

Manual Integrations
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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: 49.49 ug/l

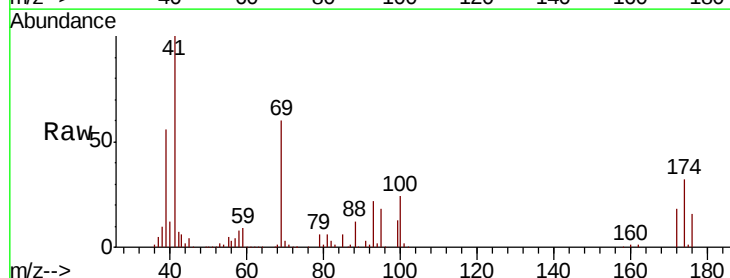
RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

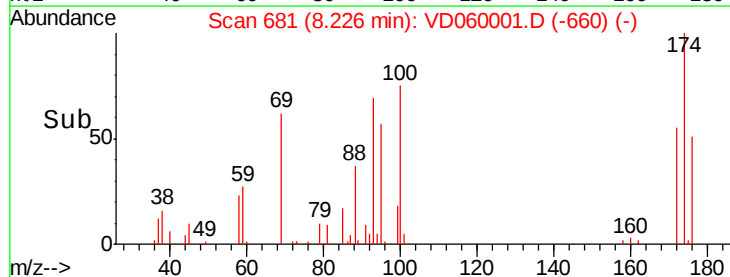
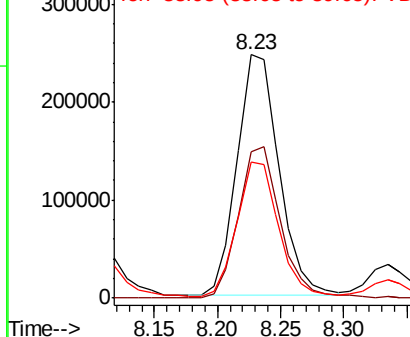
Lab File: VD060001.D

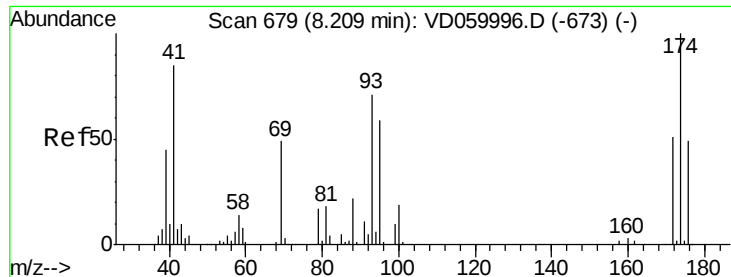
Acq: 14 Sep 2018 10:30

Tgt Ion:	41	Resp:	569232
Ion	Ratio	Lower	Upper
41	100		
69	60.3	48.3	72.5
39	55.9	44.1	66.1



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





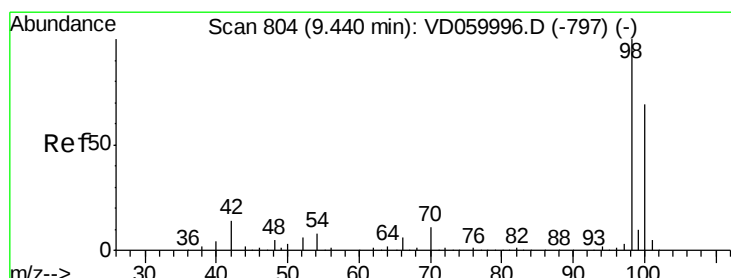
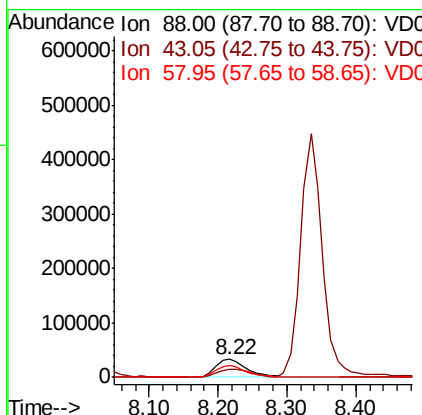
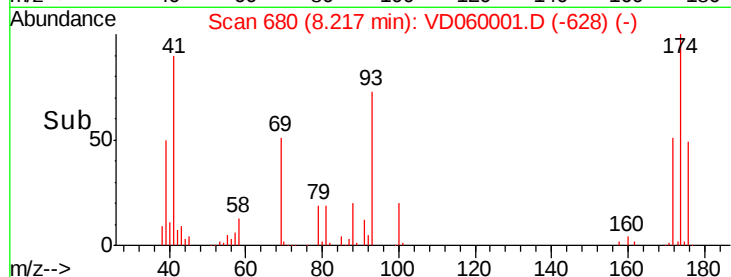
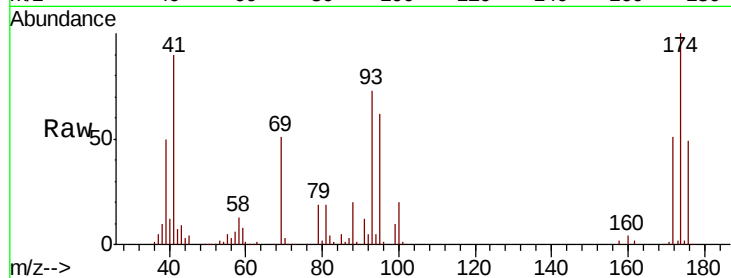
#49
1,4-Dioxane
Concen: 939.31 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.0	36.2	54.2
58	63.3	51.0	76.6

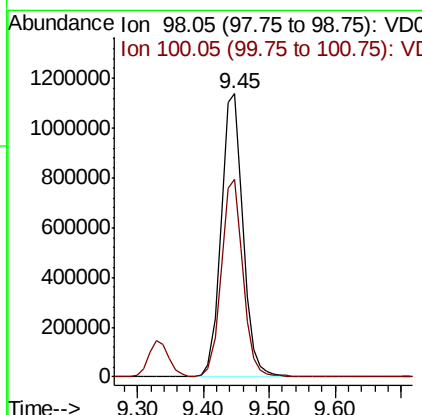
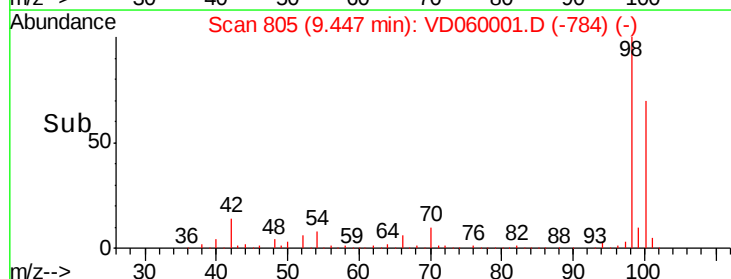
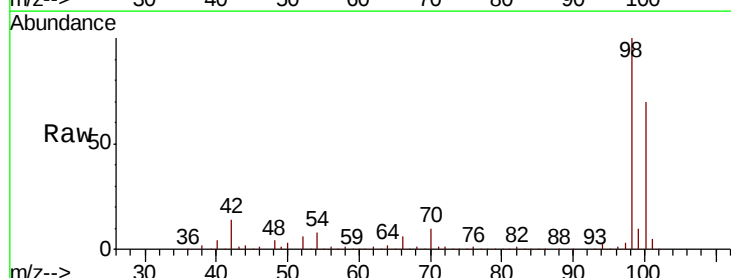
Manual Integrations
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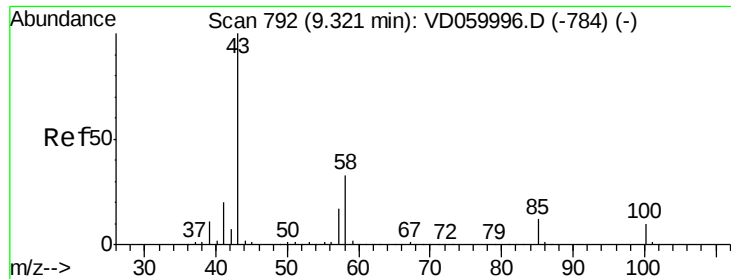
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#50
Toluene-d8
Concen: 939.31 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 221.48 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3060075

Ion Ratio Lower Upper

43 100

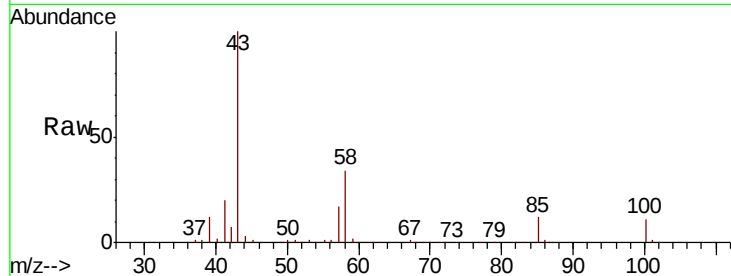
58 34.0 26.4 39.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

1500000

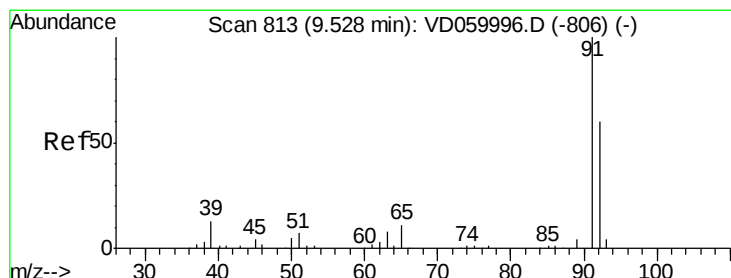
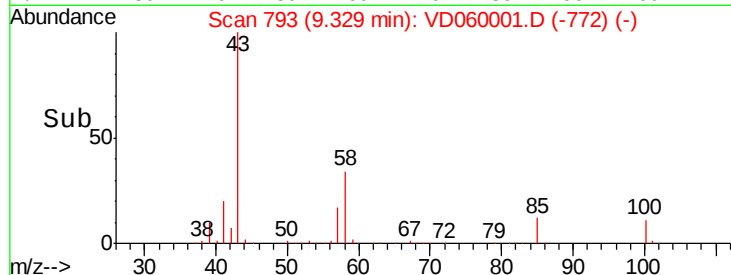
1000000

500000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 50.32 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060001.D

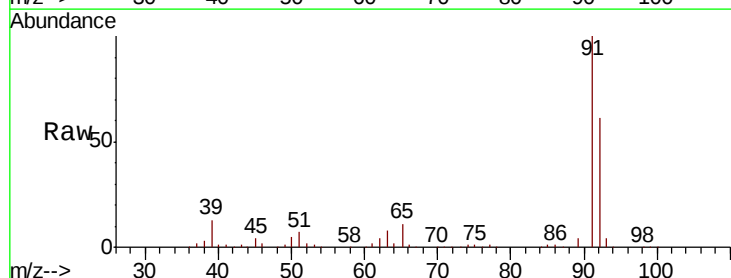
Acq: 14 Sep 2018 10:30

Tgt Ion: 92 Resp: 1843752

Ion Ratio Lower Upper

92 100

91 164.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

1500000

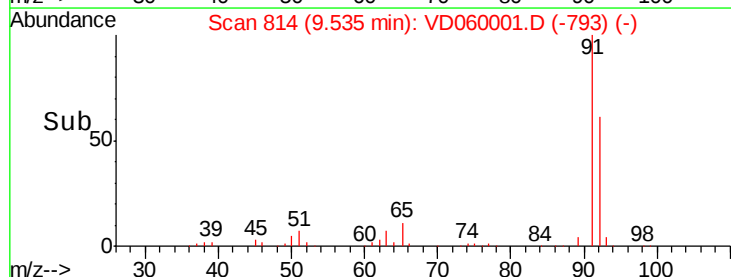
1000000

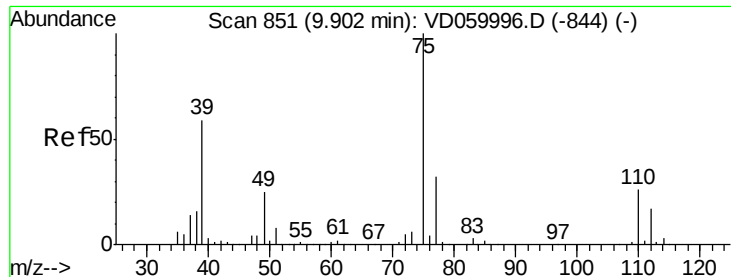
500000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.91 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tot Ion: 75 Resp: 1001001

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

Instrument :

MSVOA_D

ClientSampleId :

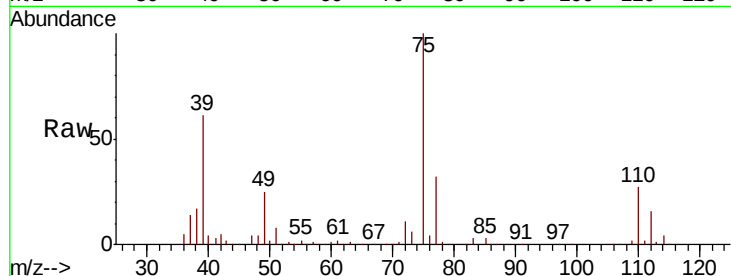
VSTDCCC050

Manual Integrations

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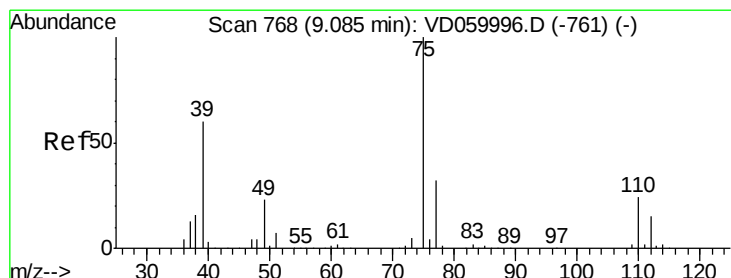
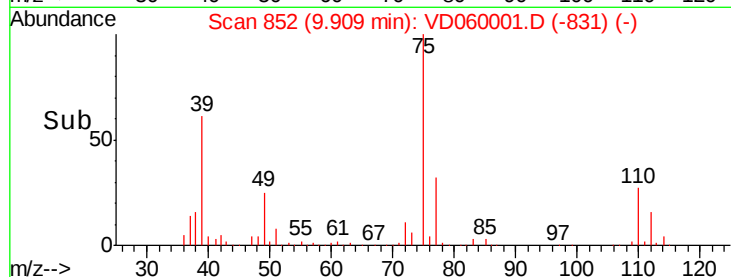
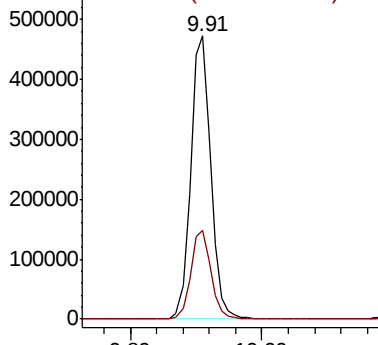
apatel

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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: 50.28 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

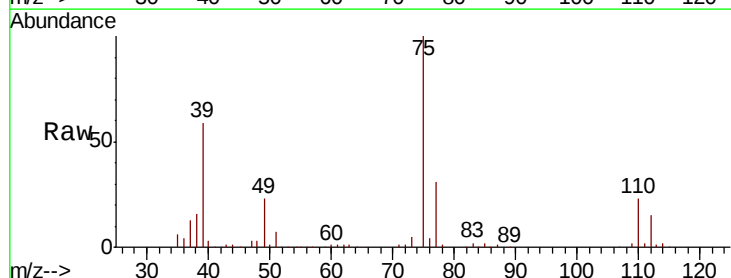
Tgt Ion: 75 Resp: 1204760

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

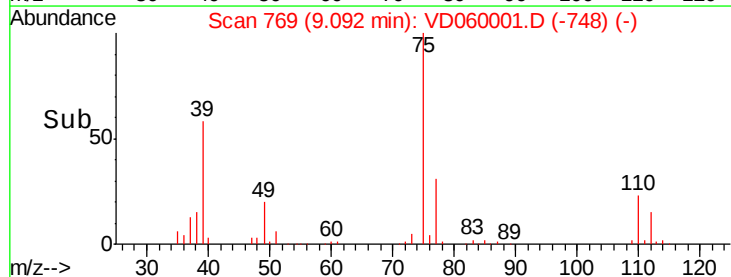
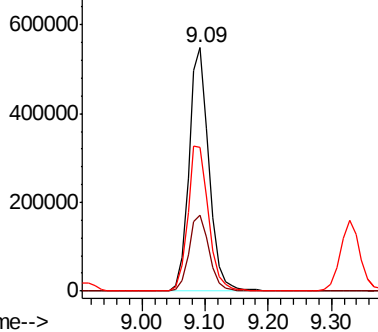
39 58.9 48.0 72.0

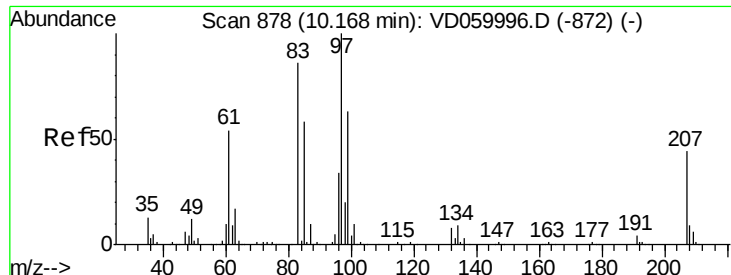


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





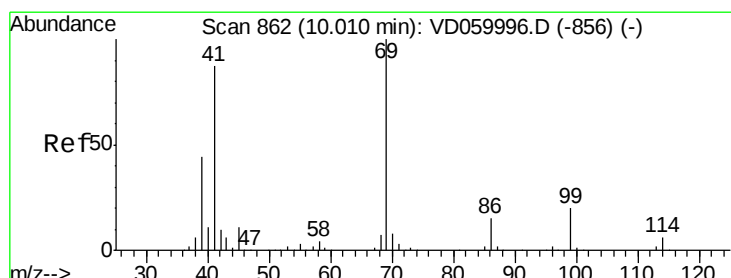
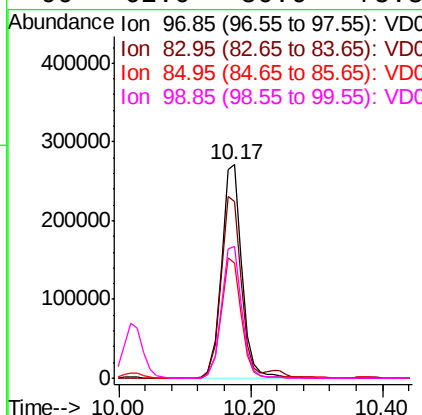
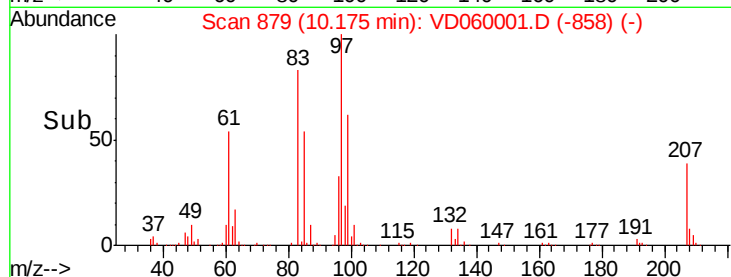
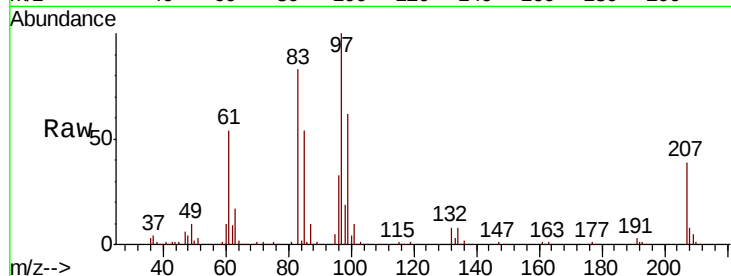
#55
 1,1,2-Trichloroethane
 Concen: 46.03 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:	97	Resp:	585600
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.1	103.7
85	54.2	46.2	69.4
99	62.0	50.6	75.8

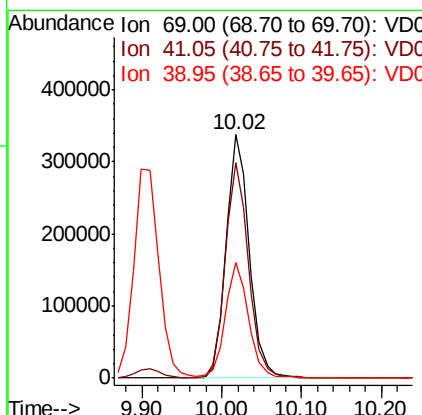
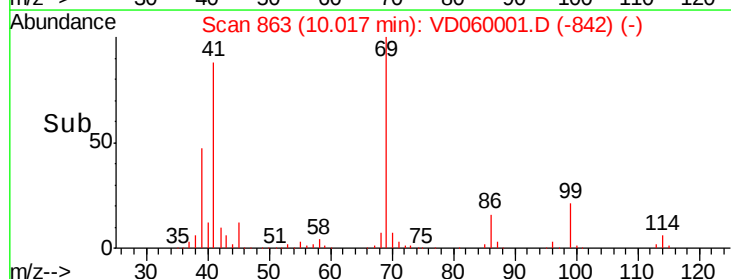
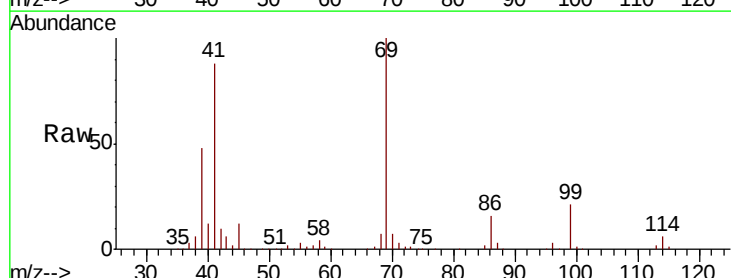
Manual Integrations
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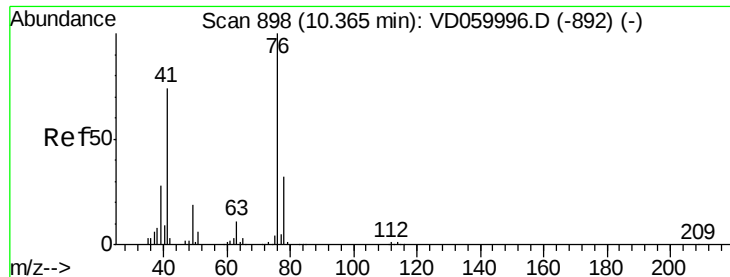
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#56
 Ethyl methacrylate
 Concen: 48.98 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion:	69	Resp:	691179
Ion	Ratio	Lower	Upper
69	100		
41	88.4	70.1	105.1
39	47.5	36.5	54.7





#57

1,3-Dichloropropane

Concen: 49.23 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 924466

Ion Ratio Lower Upper

76 100

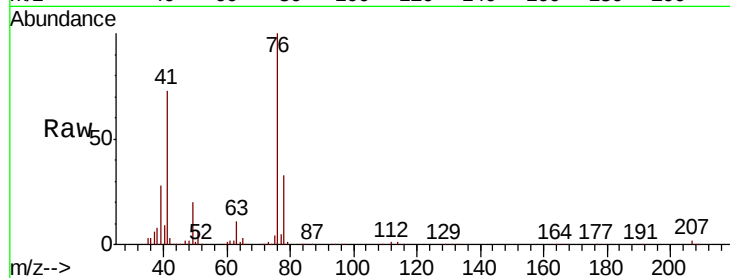
78 33.0 25.3 37.9

Manual Integrations

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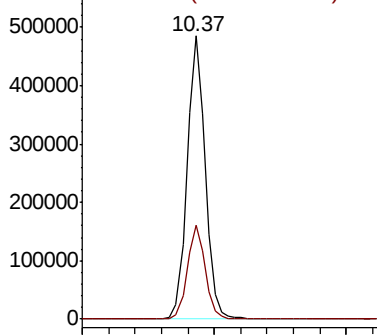
apatel

9/17/2018 5:12:32 PM

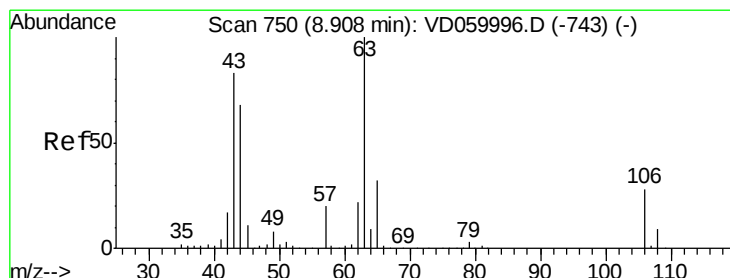
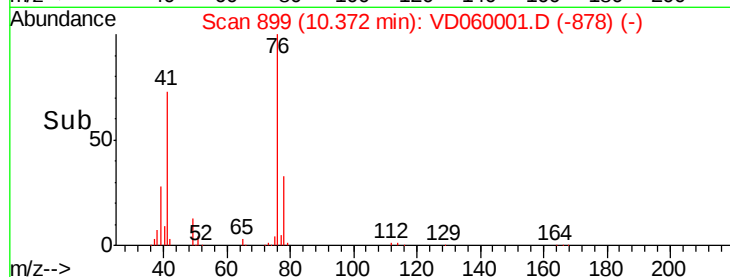


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time--> 10.20 10.40 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 244.77 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060001.D

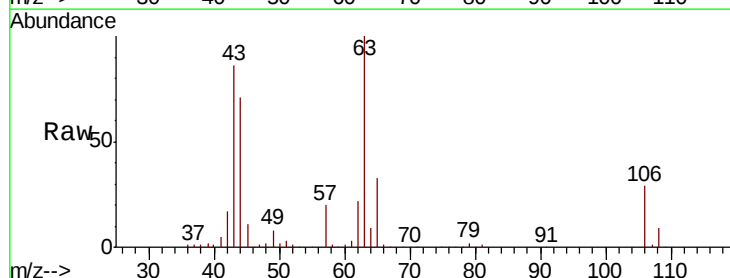
Acq: 14 Sep 2018 10:30

Tgt Ion: 63 Resp: 1667853

Ion Ratio Lower Upper

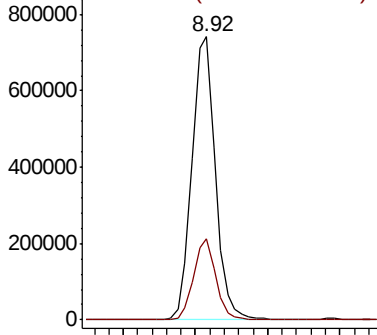
63 100

106 28.5 22.0 33.0

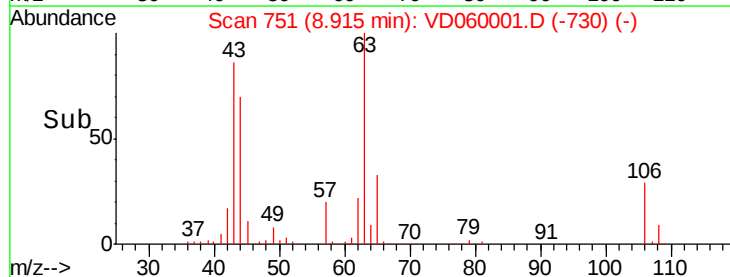


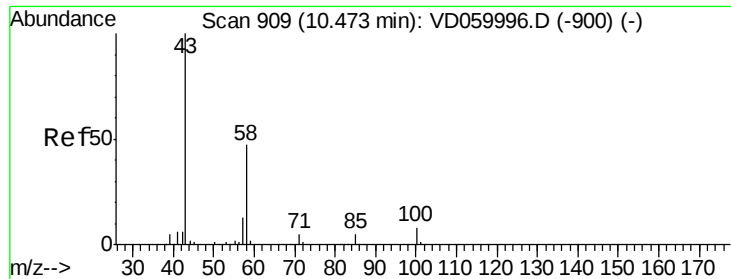
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



Time--> 8.80 8.90 9.00 9.10





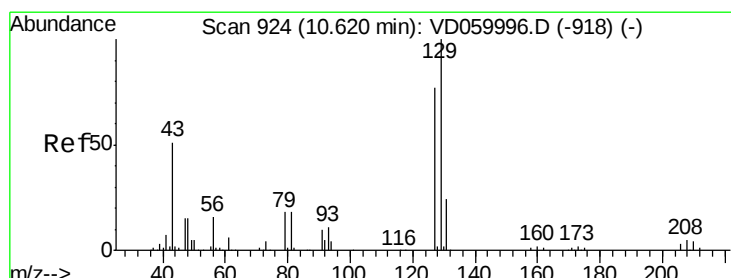
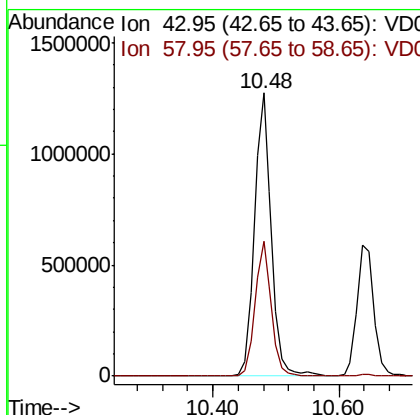
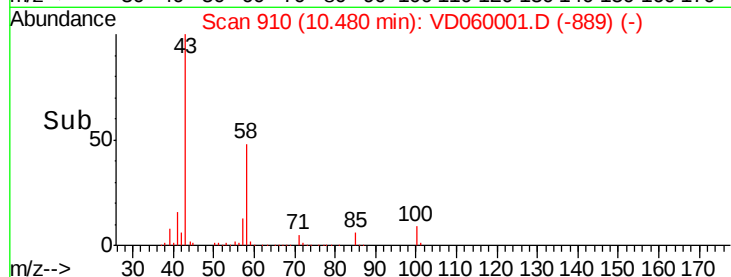
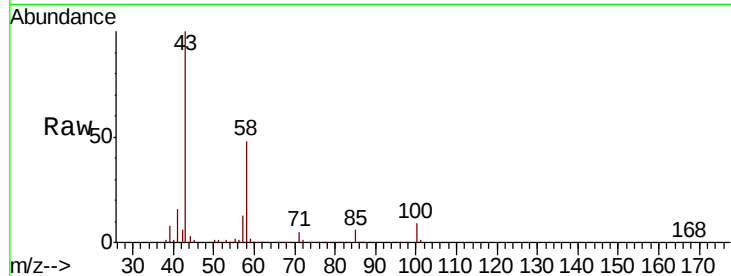
#59
2-Hexanone
Concen: 244.20 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2379490
Ion Ratio Lower Upper
43 100
58 47.5 23.4 70.0

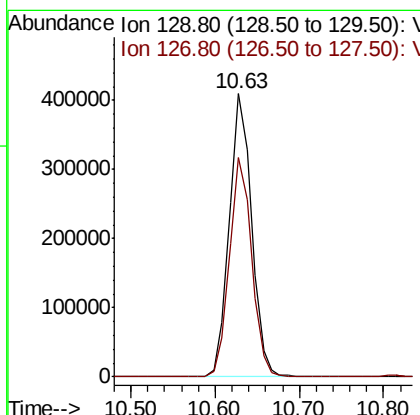
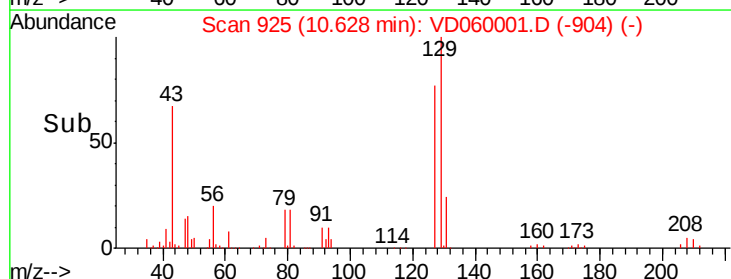
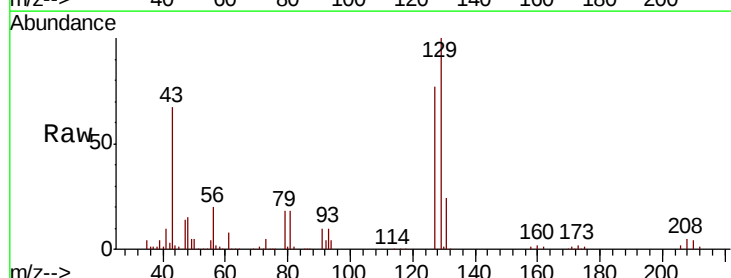
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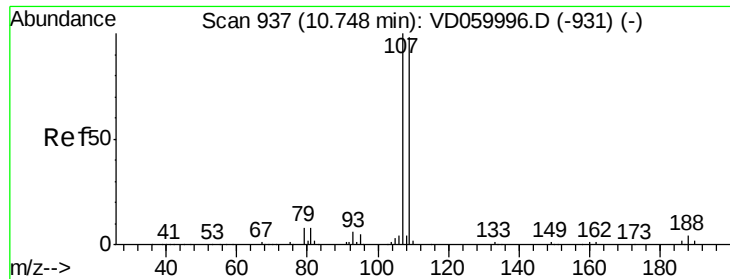
apatel
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#60
Dibromochloromethane
Concen: 49.05 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 129 Resp: 759503
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





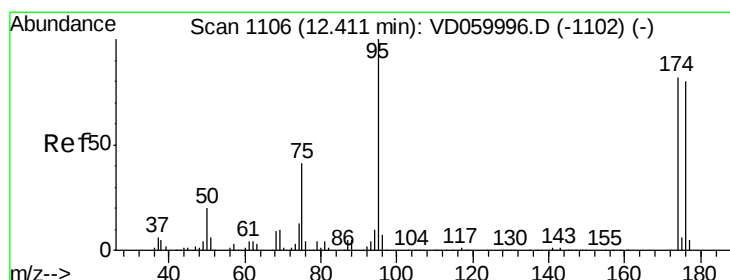
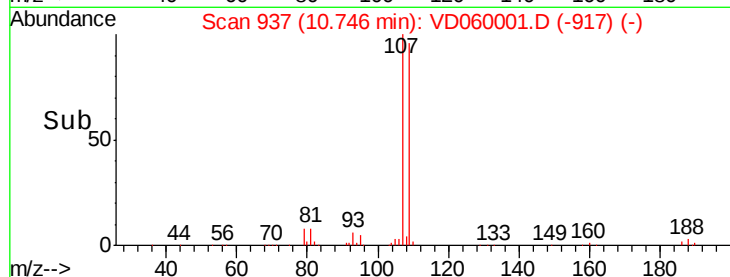
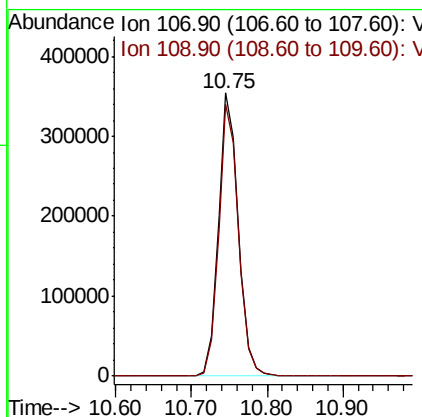
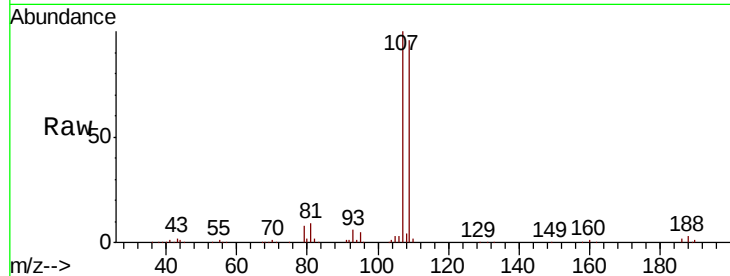
#61
 1,2-Dibromoethane
 Concen: 49.38 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 648563
 Ion Ratio Lower Upper
 107 100
 109 95.9 78.2 117.2

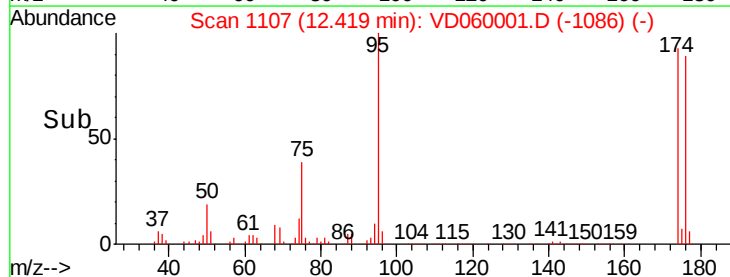
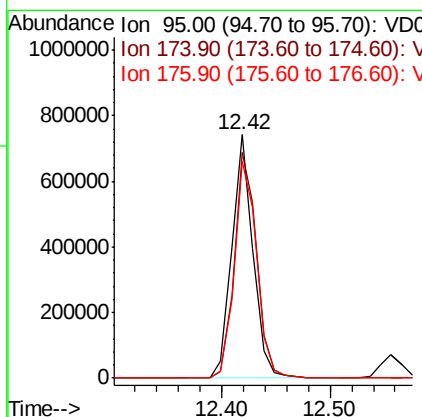
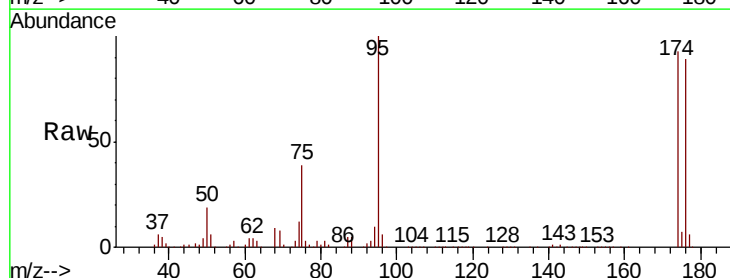
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#62
 4-Bromofluorobenzene
 Concen: 49.38 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 95 Resp: 1007623
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 165.0
 176 88.8 0.0 160.2





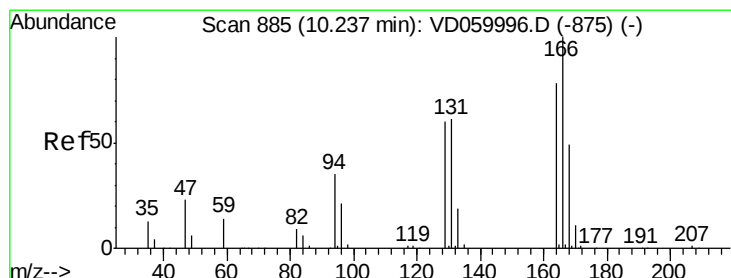
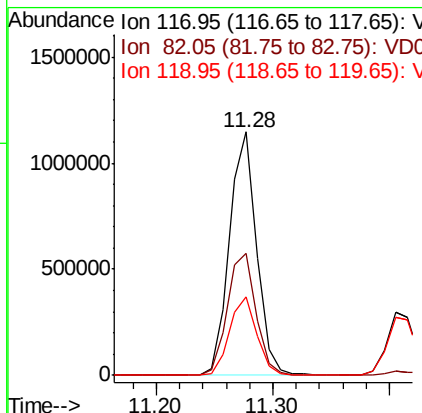
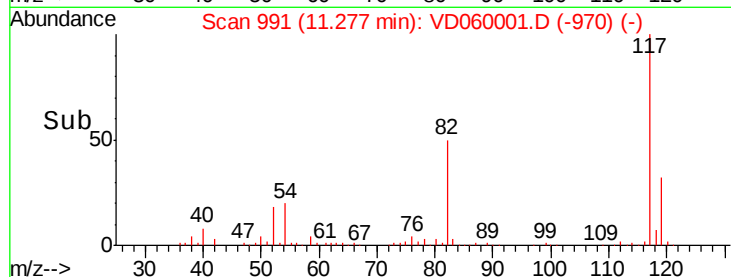
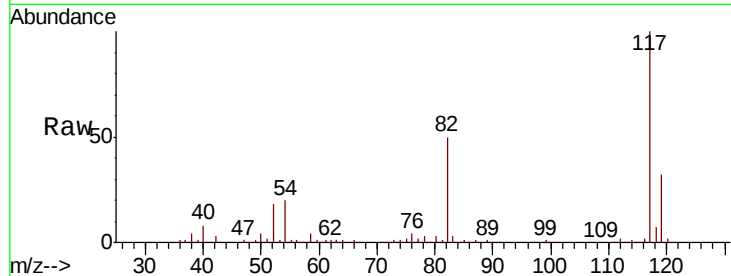
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1850411
Ion Ratio Lower Upper
117 100
82 50.2 41.7 62.5
119 32.2 26.0 39.0

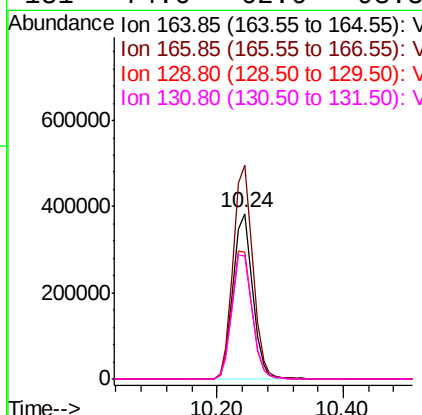
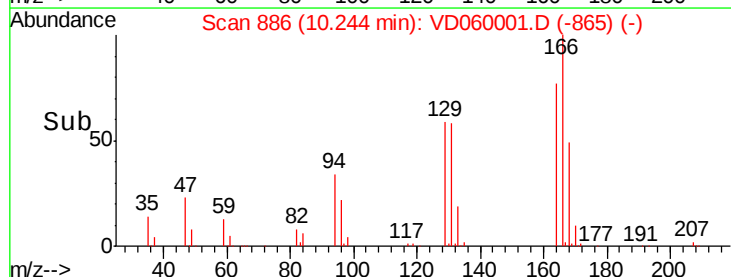
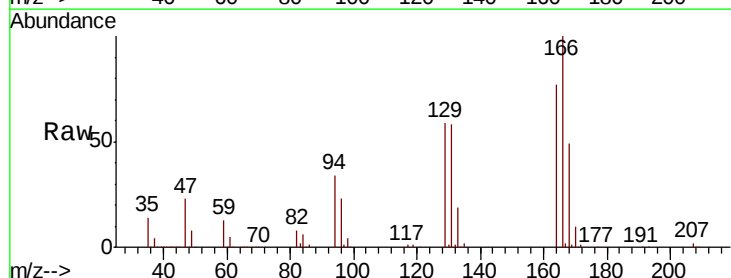
Manual Integrations
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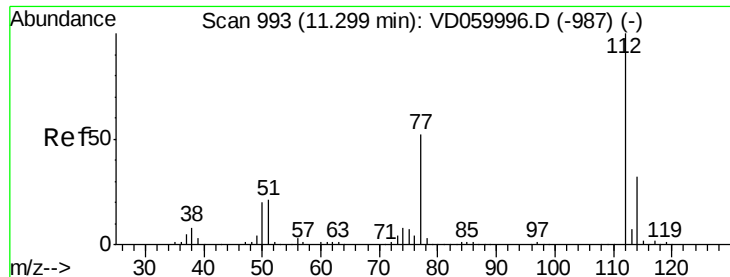
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#64
Tetrachloroethene
Concen: 50.27 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:164 Resp: 820785
Ion Ratio Lower Upper
164 100
166 129.2 103.0 154.6
129 76.4 61.9 92.9
131 74.6 62.6 93.8





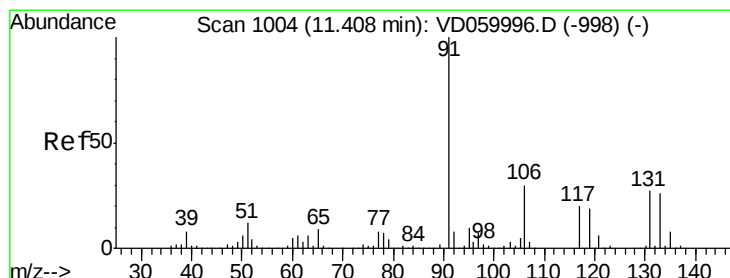
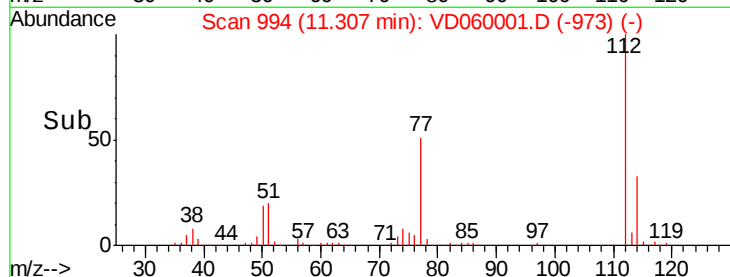
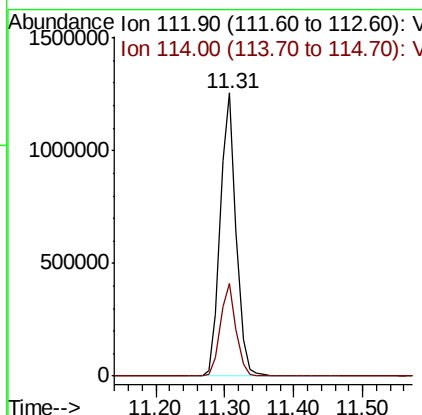
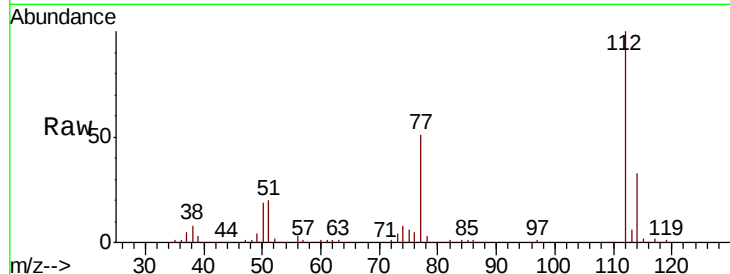
#65
Chlorobenzene
Concen: 50.21 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1997632
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

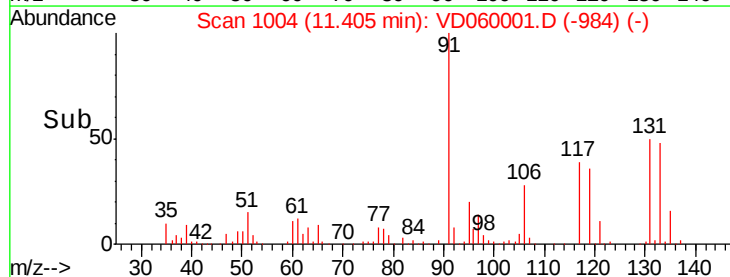
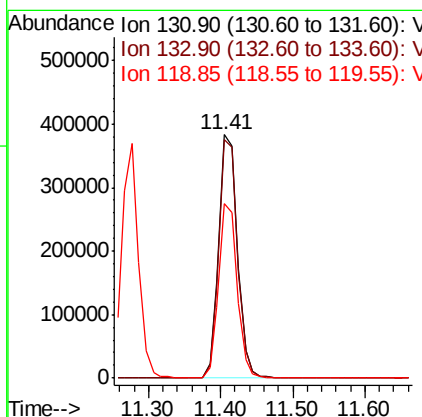
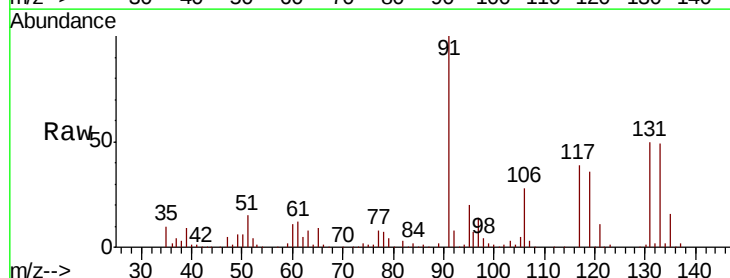
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.03 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:131 Resp: 684777
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.3
119 71.6 35.6 106.9





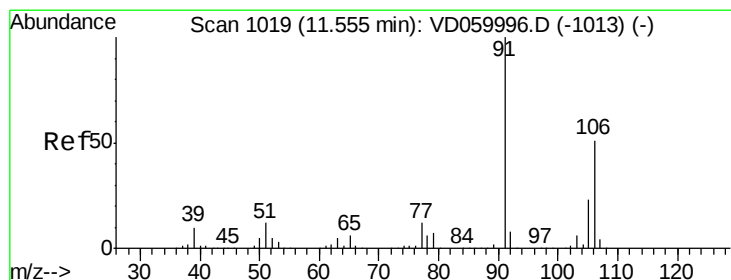
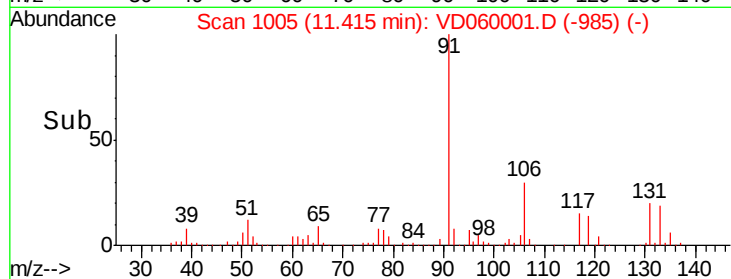
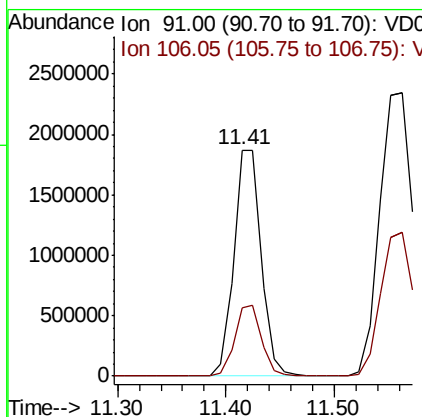
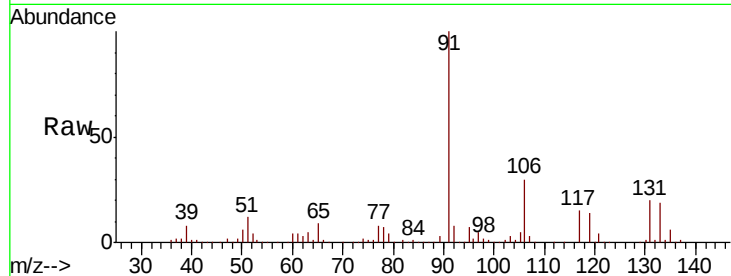
#67
Ethyl Benzene
Concen: 51.00 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3265352
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

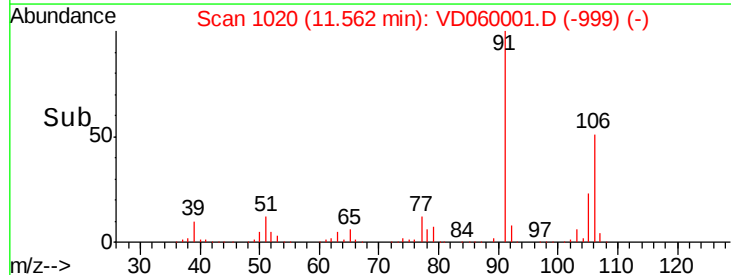
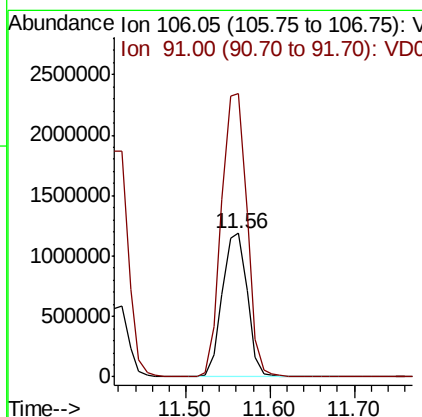
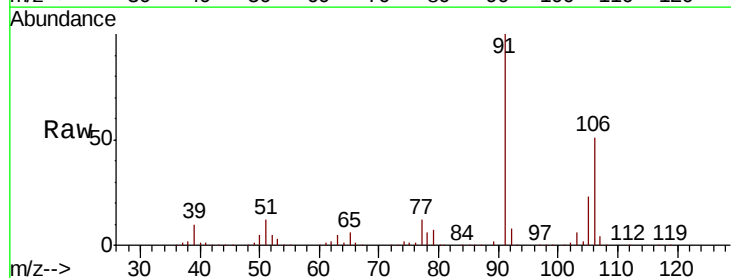
Manual Integrations
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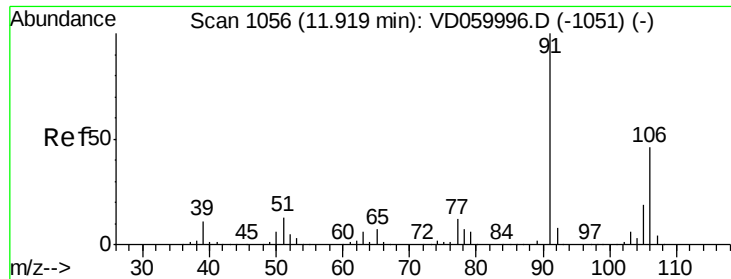
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#68
m/p-Xylenes
Concen: 103.31 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 106 Resp: 2442644
Ion Ratio Lower Upper
106 100
91 197.5 157.0 235.6





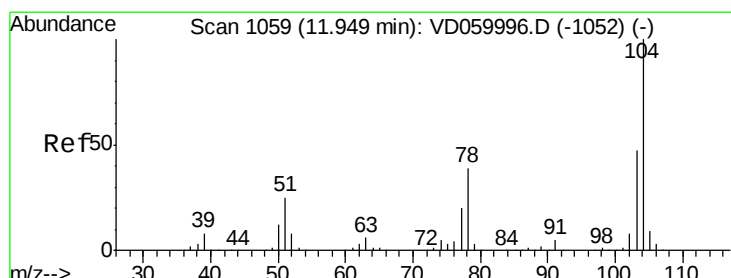
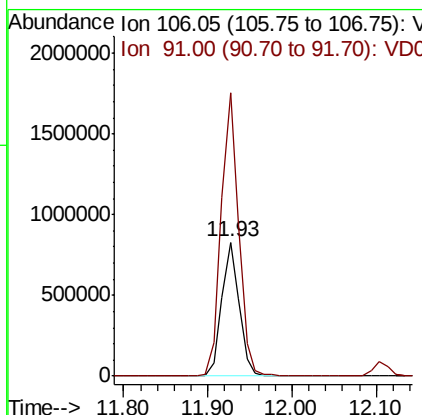
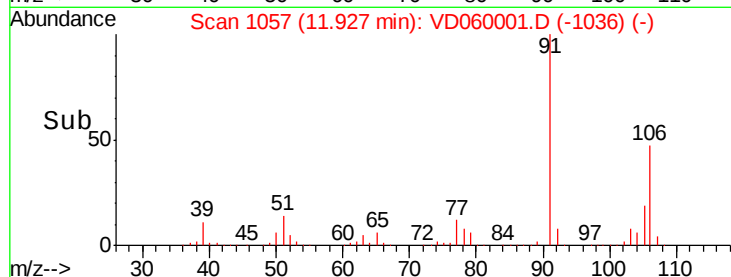
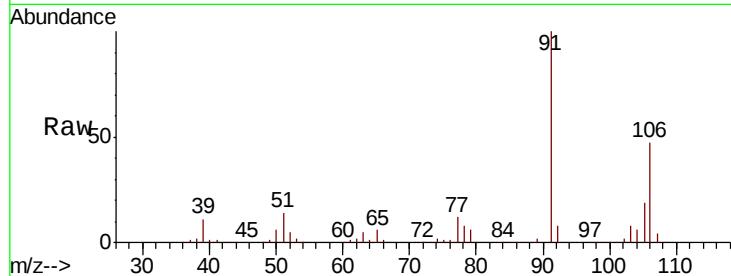
#69
o-Xylene
Concen: 51.02 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1195307
Ion Ratio Lower Upper
106 100
91 211.6 107.7 323.1

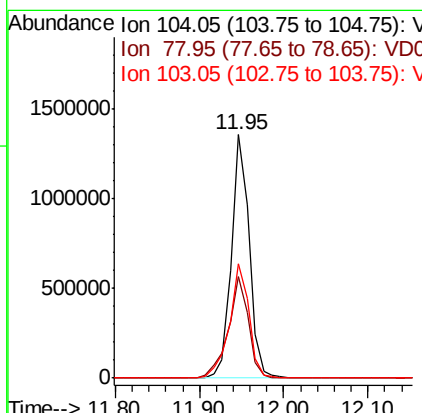
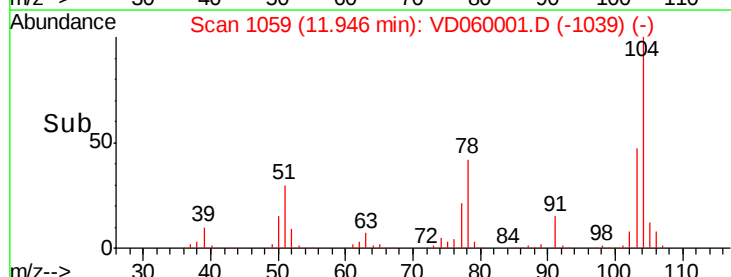
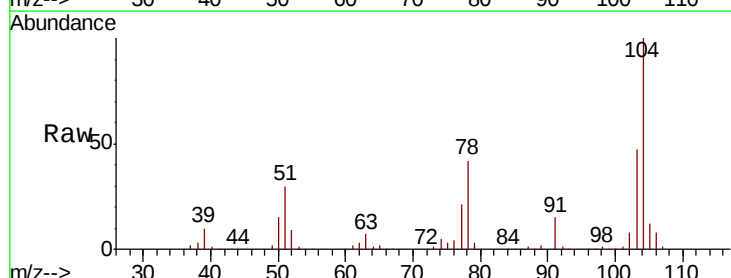
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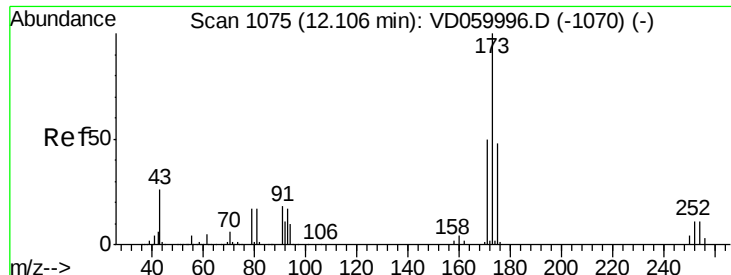
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#70
Styrene
Concen: 50.52 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:104 Resp: 1990029
Ion Ratio Lower Upper
104 100
78 41.7 31.0 46.4
103 47.0 37.6 56.4





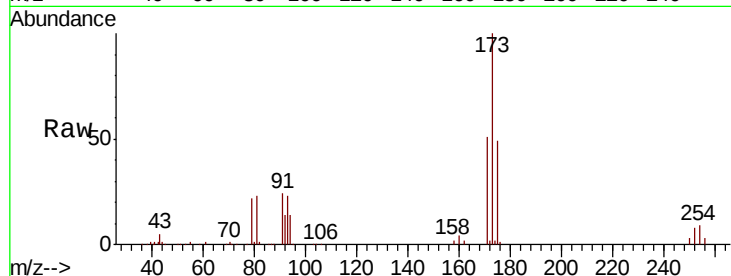
#71
Bromoform
Concen: 50.81 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.0	72.0
254	8.7	8.6	13.0

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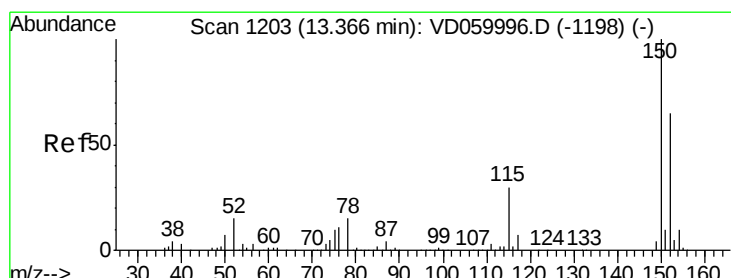
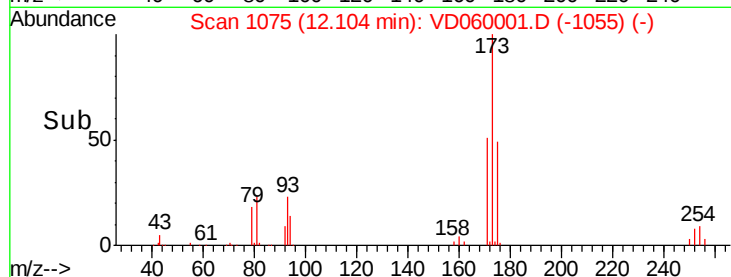
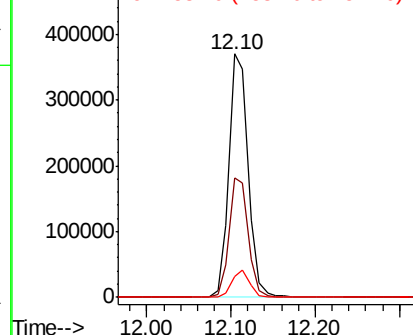


Abundance

Ion 172.80 (172.50 to 173.50): V

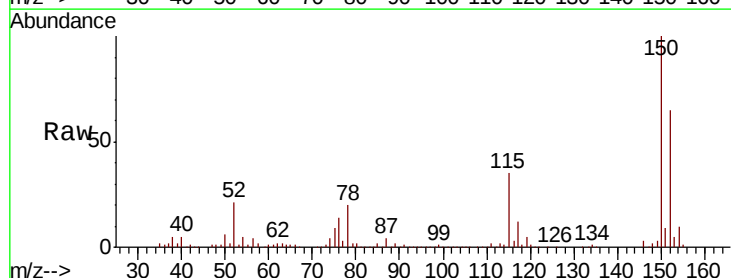
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	24.6	73.8
150	153.0	0.0	313.4

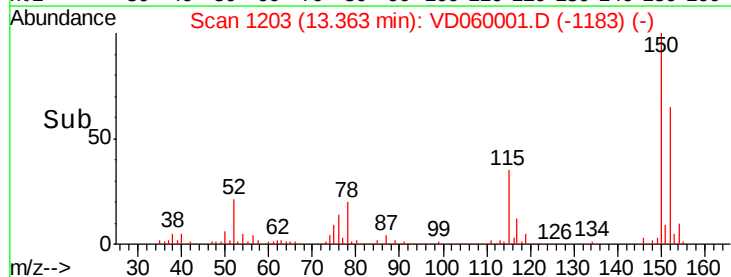
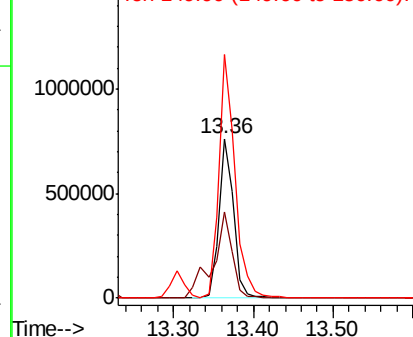


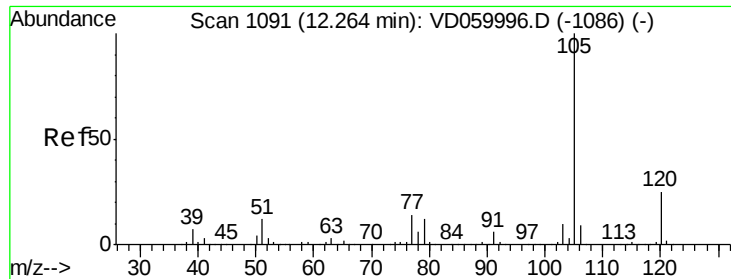
Abundance

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: 49.93 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 3223364

Ion Ratio Lower Upper

105 100

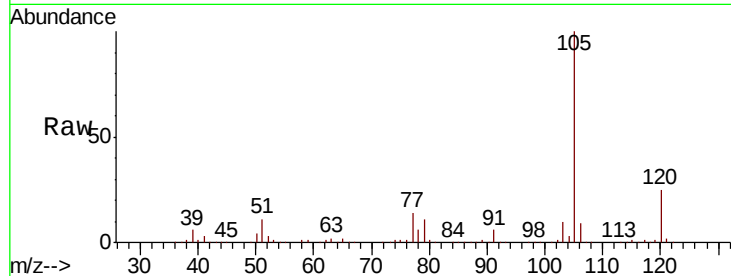
120 25.4 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

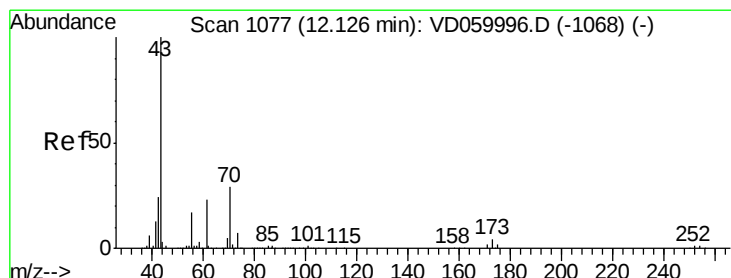
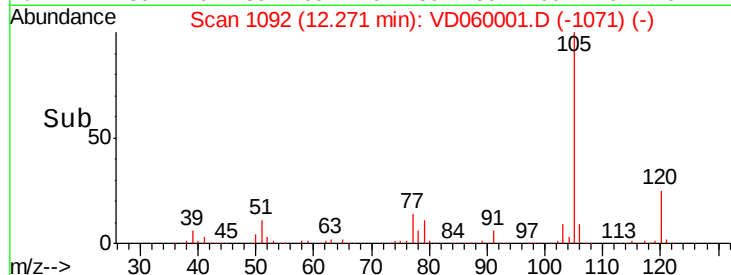
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 49.25 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tgt Ion: 43 Resp: 1259393

Ion Ratio Lower Upper

43 100

70 26.1 22.9 34.3

55 16.5 14.0 21.0

61 22.1 18.7 28.1

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

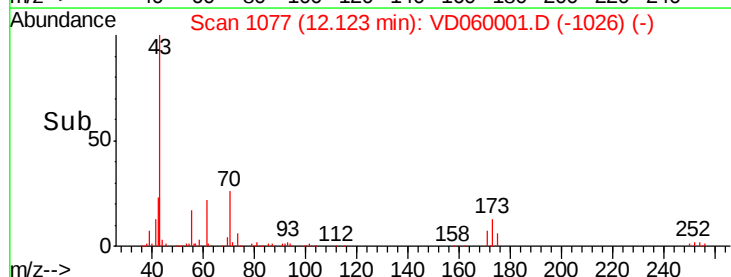
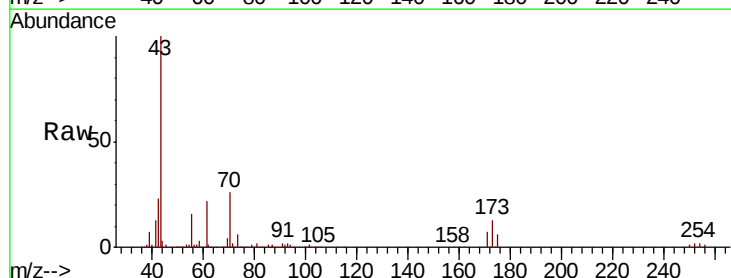
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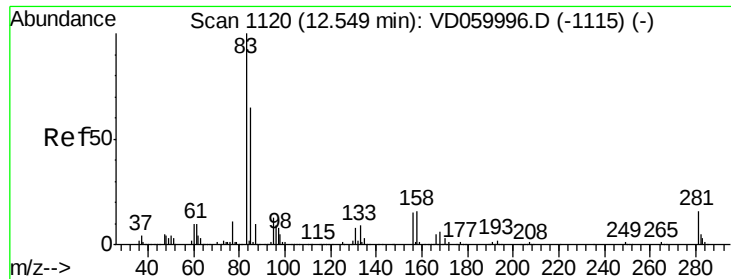
500000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.20 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 720576

Ion Ratio Lower Upper

83 100

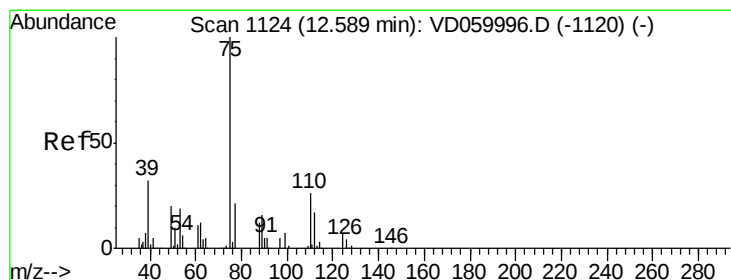
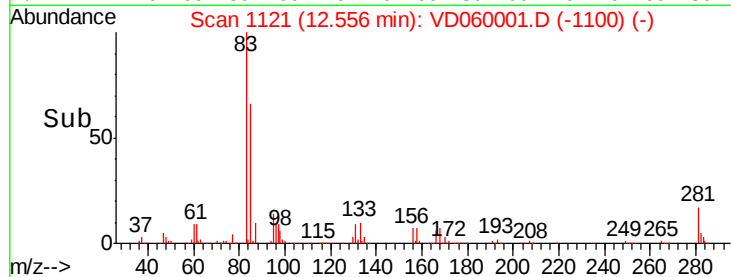
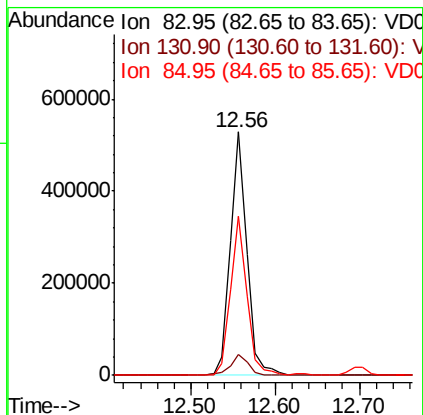
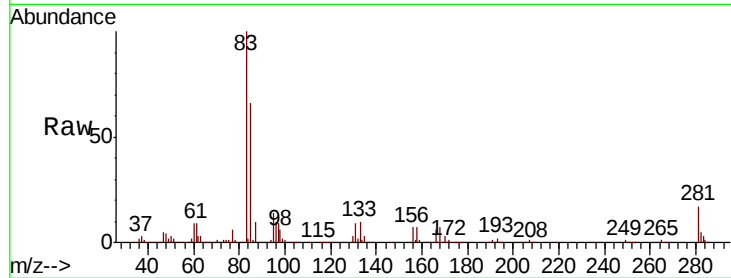
131 8.8 4.1 12.3

85 65.5 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 48.53 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060001.D

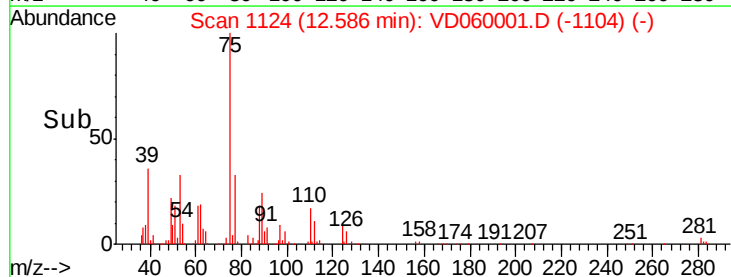
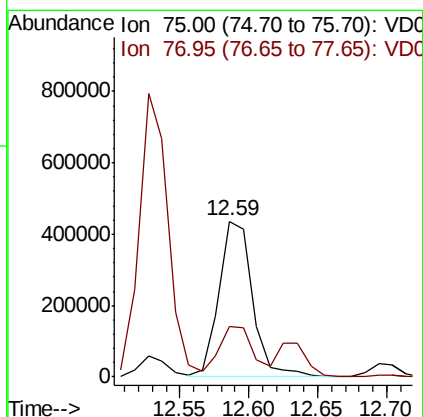
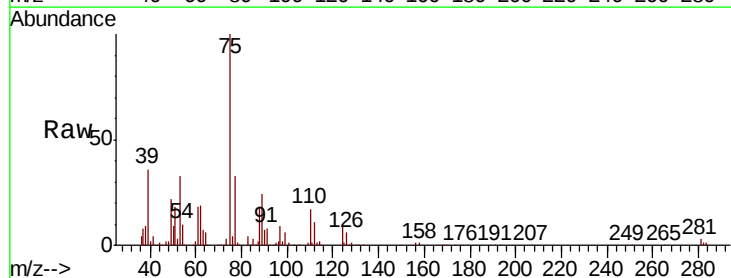
Acq: 14 Sep 2018 10:30

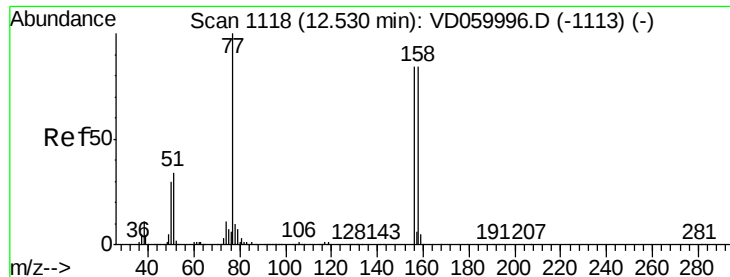
Tgt Ion: 75 Resp: 729657

Ion Ratio Lower Upper

75 100

77 32.8 16.4 49.4





#77

Bromobenzene

Concen: 50.93 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 947217

Ion Ratio Lower Upper

156 100

77 102.2 59.5 178.4

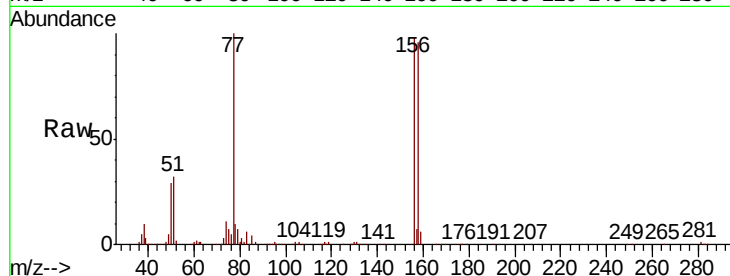
158 98.2 50.0 149.8

Manual Integrations

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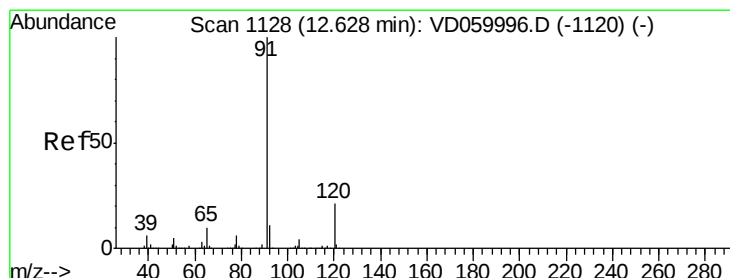
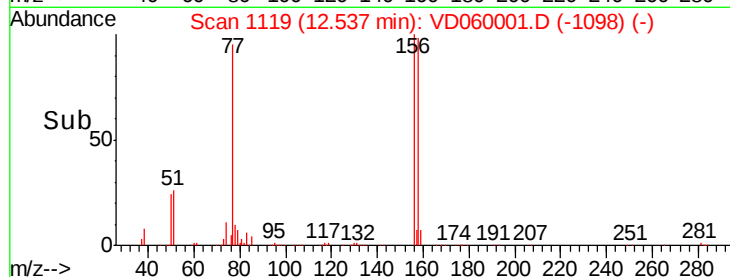
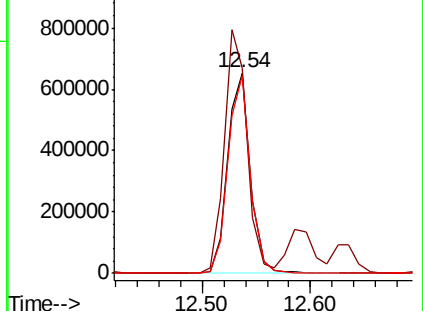
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.77 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060001.D

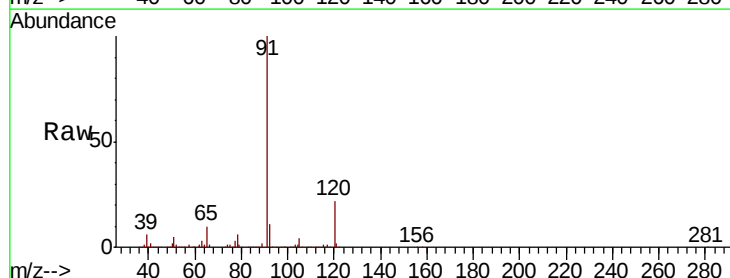
Acq: 14 Sep 2018 10:30

Tgt Ion: 91 Resp: 4121663

Ion Ratio Lower Upper

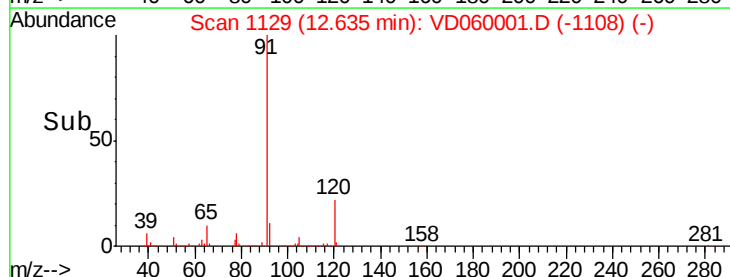
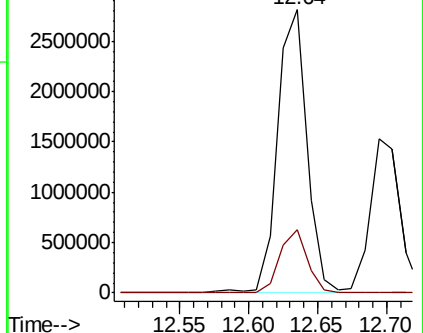
91 100

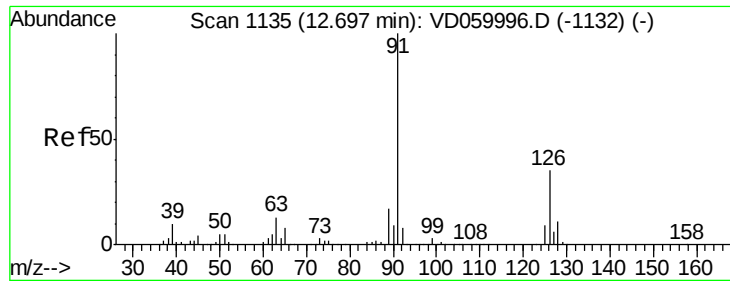
120 22.3 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.34 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2306972

Ion Ratio Lower Upper

91 100

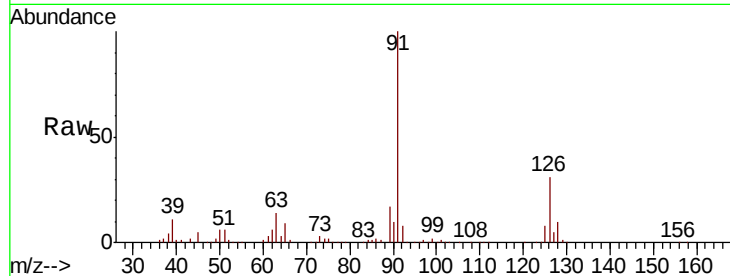
126 31.2 17.3 52.0

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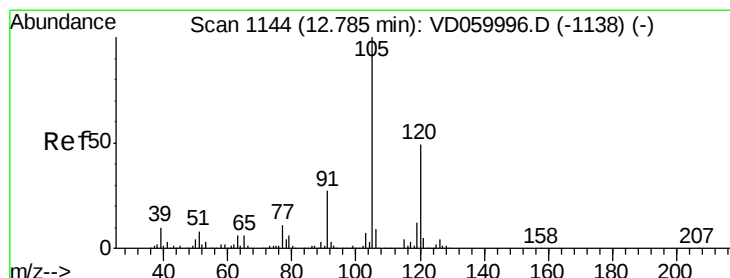
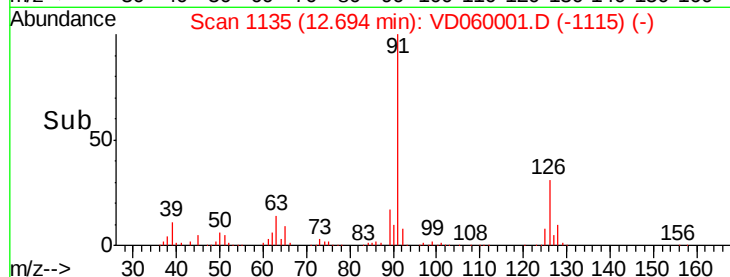
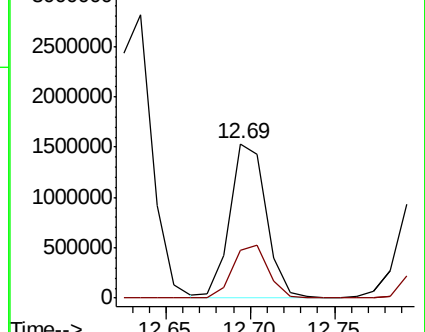
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.11 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060001.D

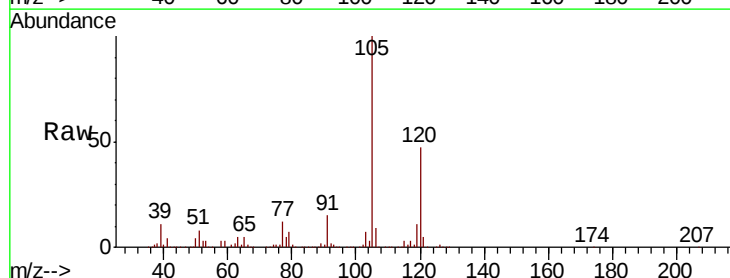
Acq: 14 Sep 2018 10:30

Tgt Ion:105 Resp: 2578529

Ion Ratio Lower Upper

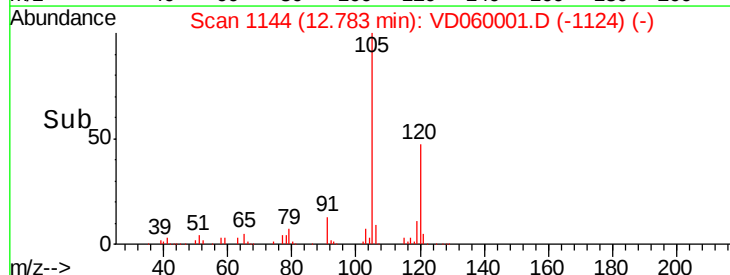
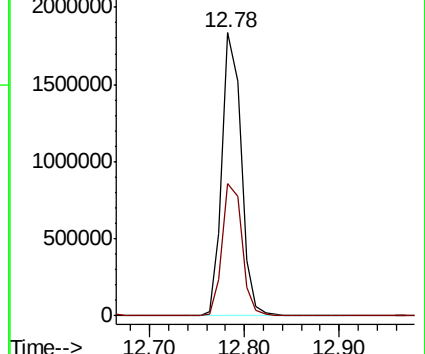
105 100

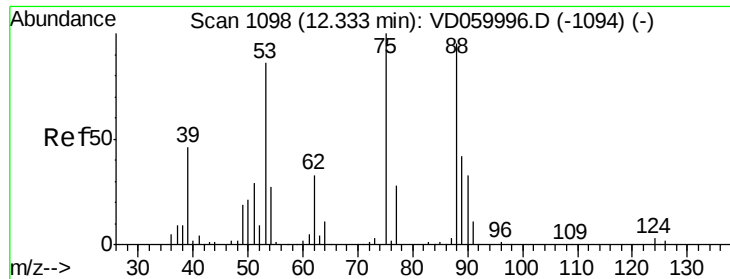
120 46.9 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





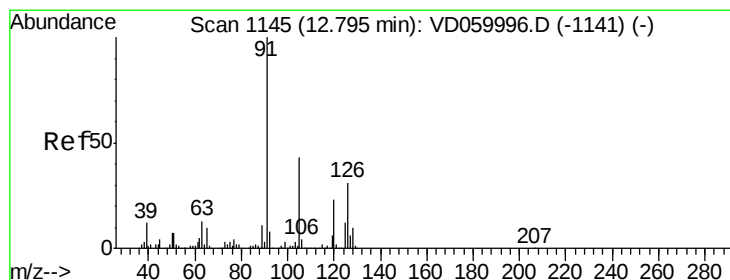
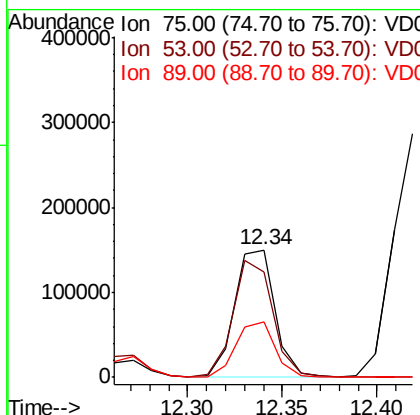
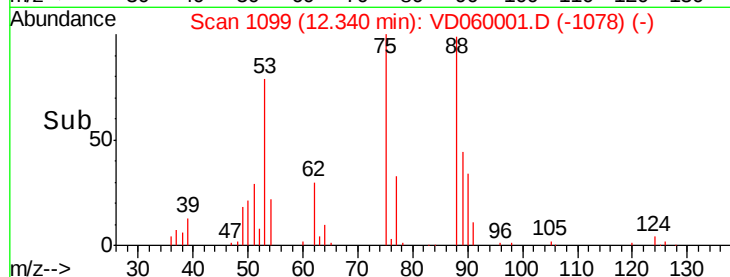
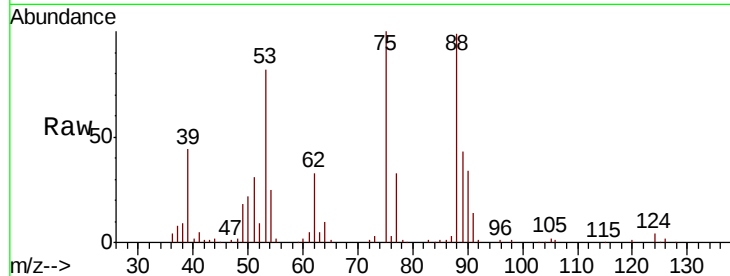
#81
trans-1,4-Dichloro-2-butene
Concen: 48.33 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.3	68.4	102.6
89	43.4	33.8	50.6

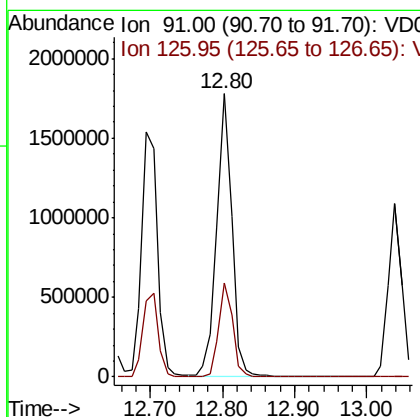
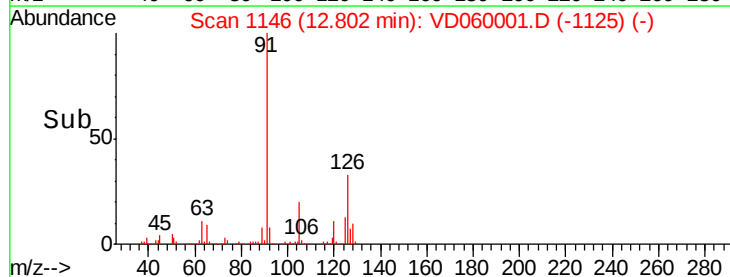
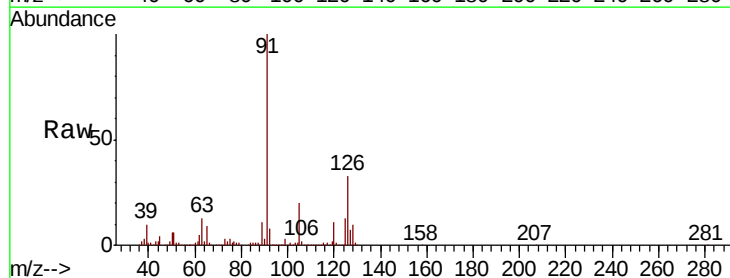
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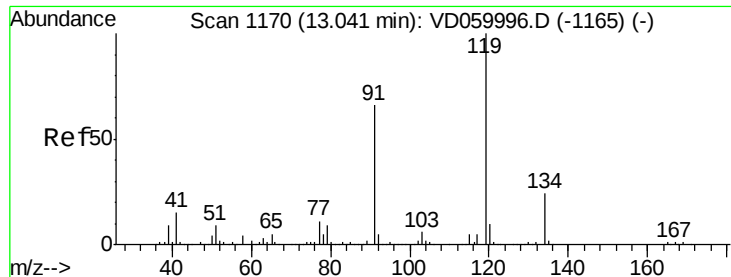
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#82
4-Chlorotoluene
Concen: 50.46 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	15.4	46.1





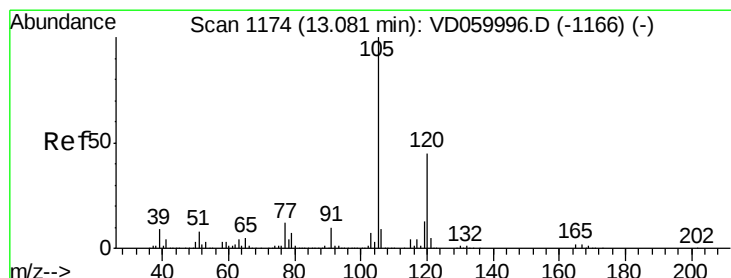
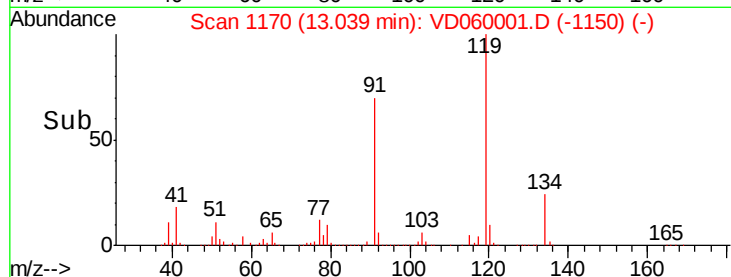
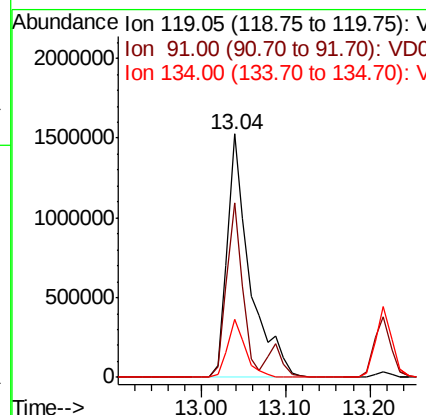
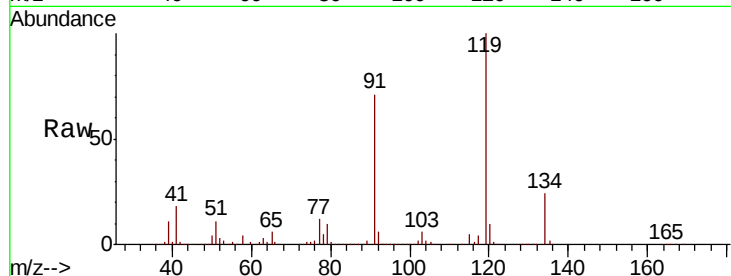
#83
 tert-Butylbenzene
 Concen: 49.84 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.5	32.9	98.6
134	23.7	12.0	36.0

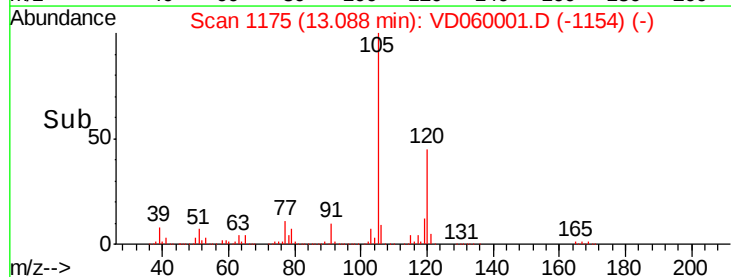
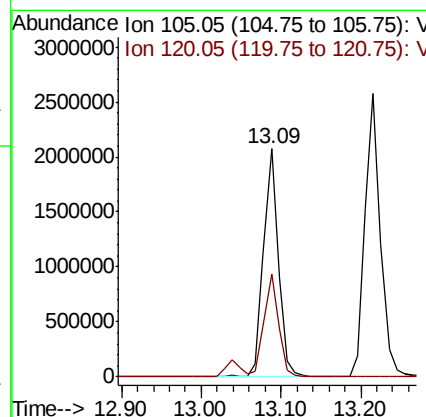
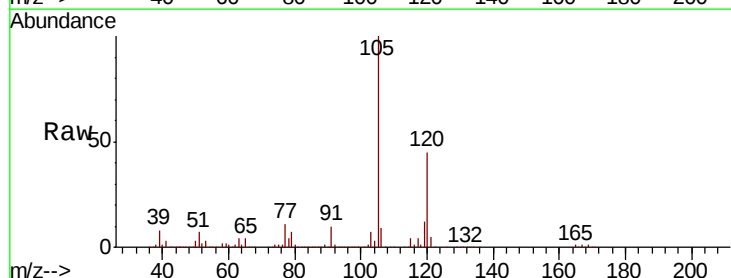
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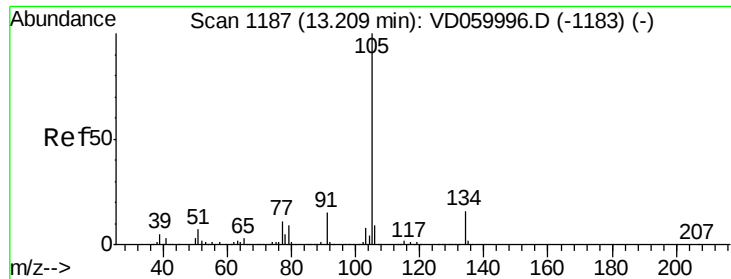
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.59 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.0





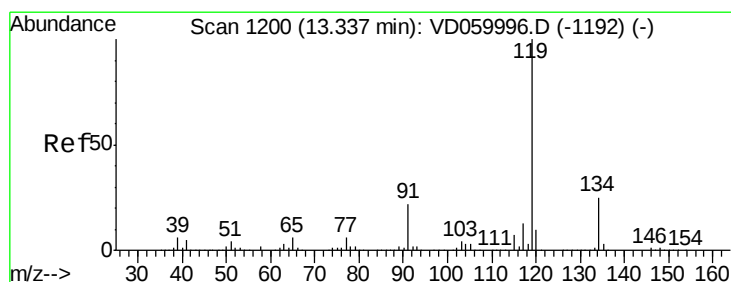
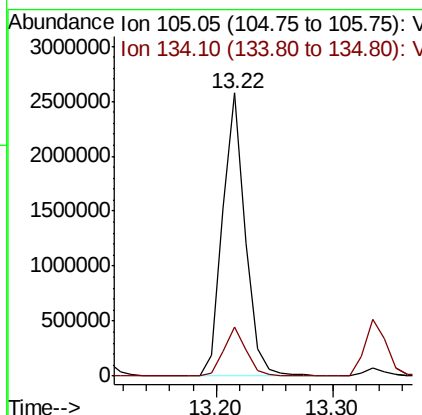
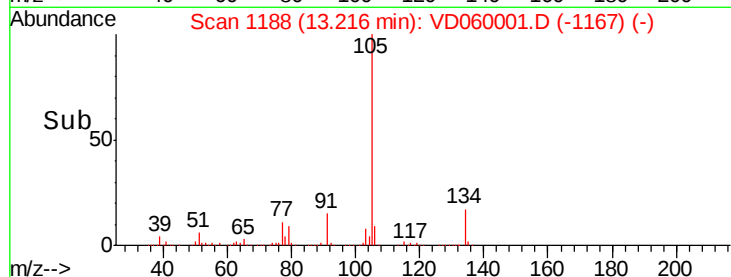
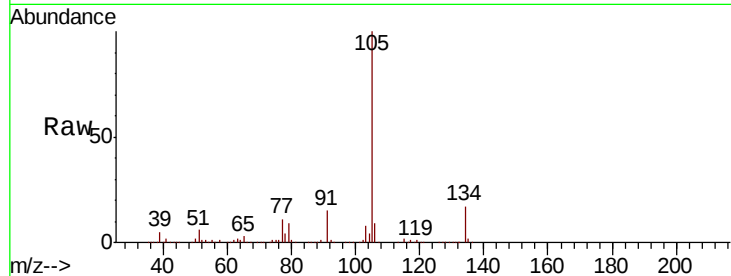
#85
 sec-Butylbenzene
 Concen: 50.70 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3450563
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.2 24.6

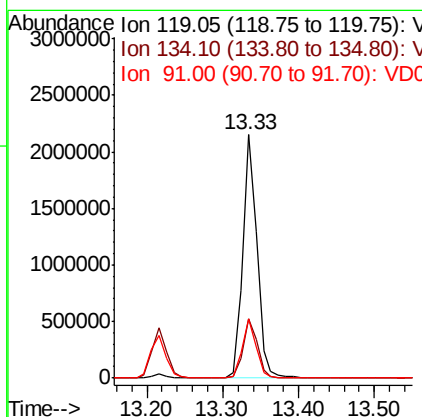
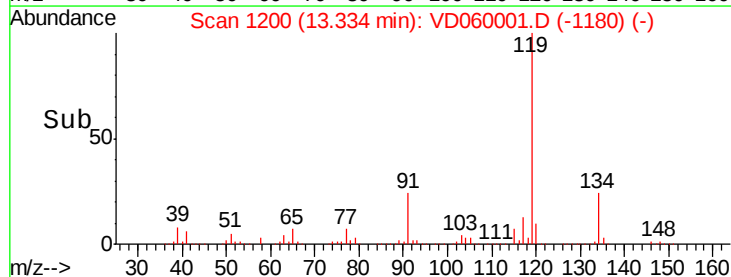
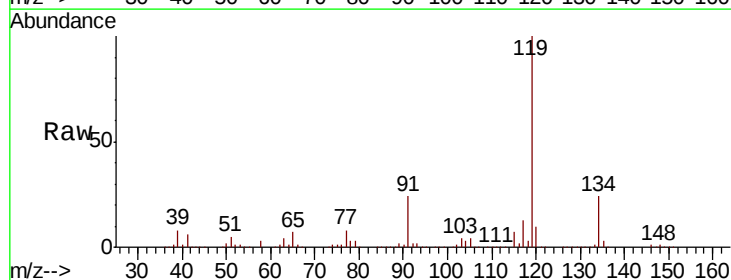
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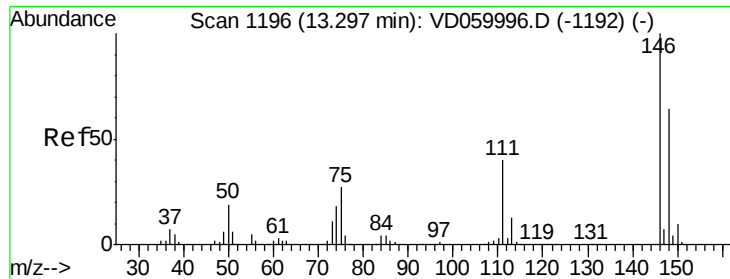
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#86
 p-Isopropyltoluene
 Concen: 49.69 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion:119 Resp: 2734943
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.8 38.3
 91 24.4 11.1 33.3





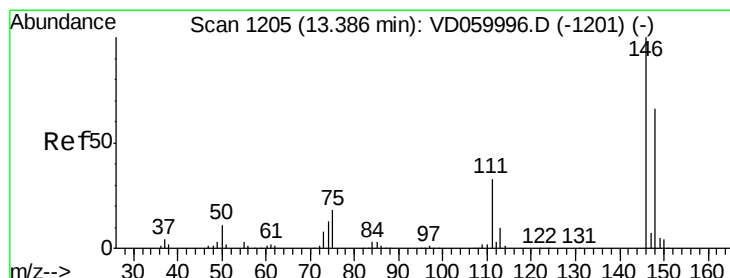
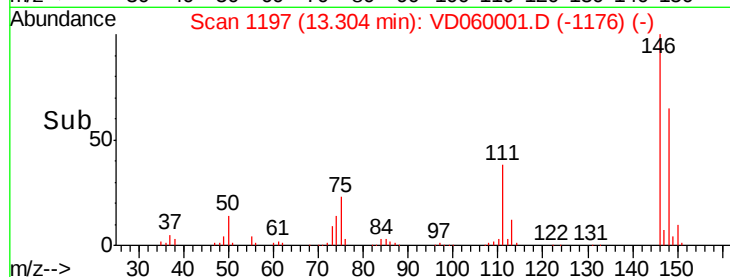
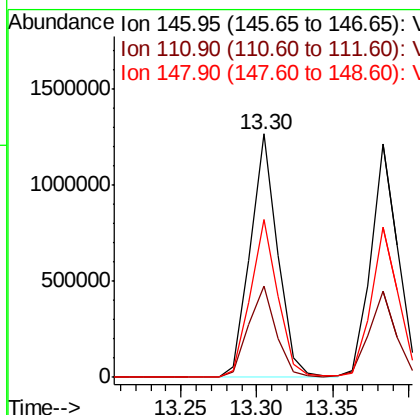
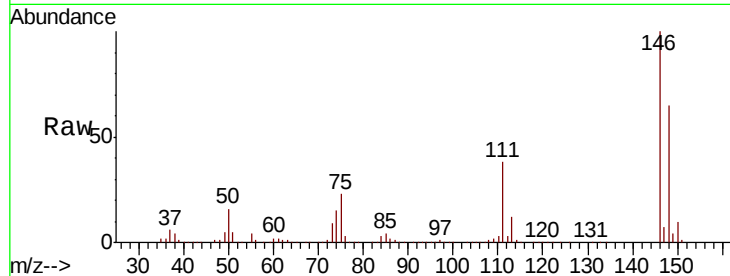
#87
 1,3-Dichlorobenzene
 Concen: 49.50 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.2	60.5
148	64.9	32.0	96.2

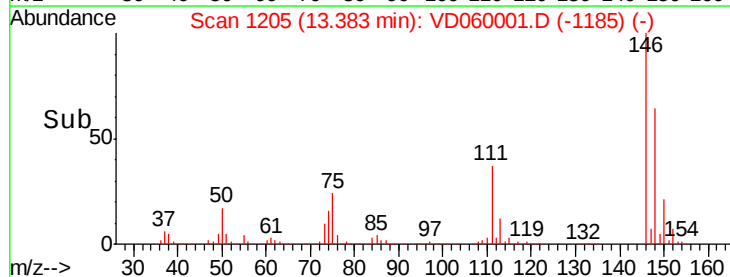
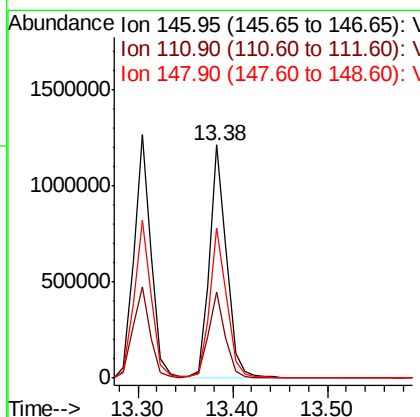
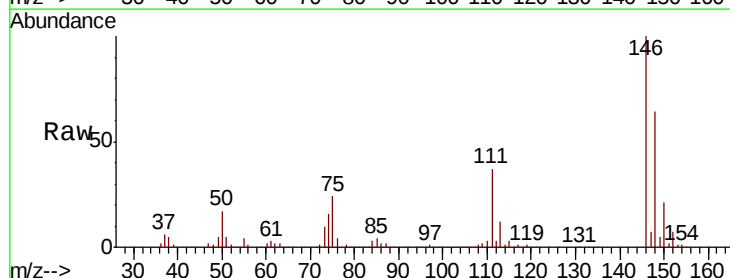
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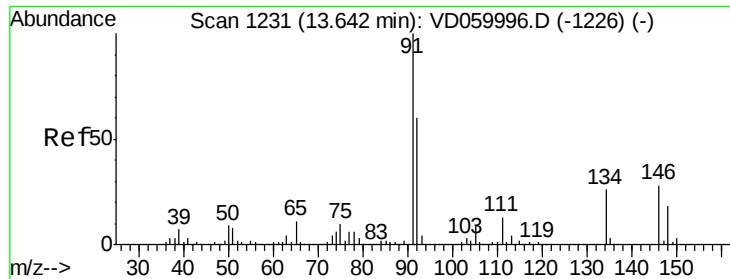
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#88
 1,4-Dichlorobenzene
 Concen: 47.11 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	16.7	50.0
148	64.5	32.9	98.6





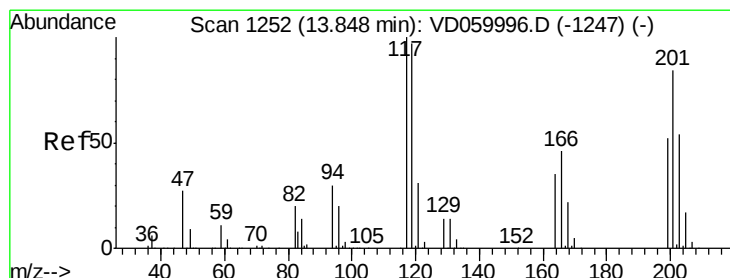
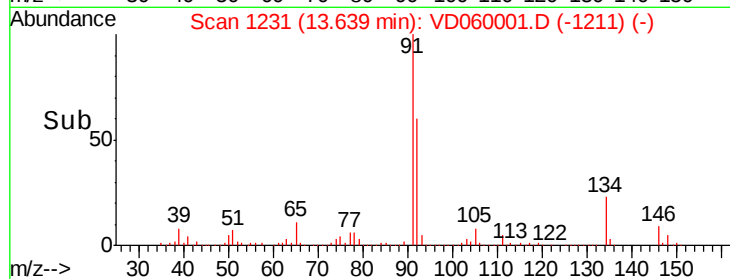
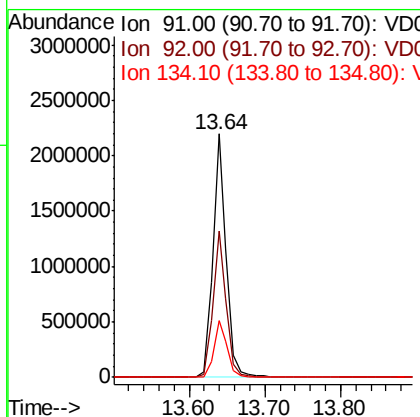
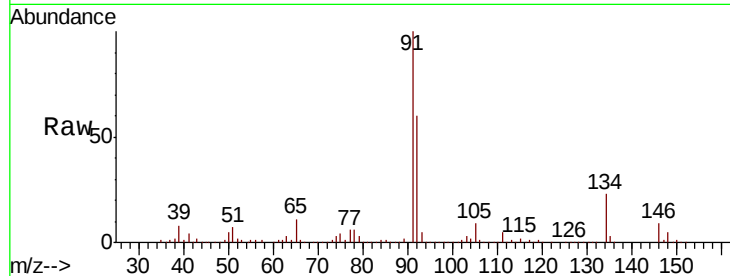
#89
n-Butylbenzene
Concen: 53.26 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2714894
Ion Ratio Lower Upper
91 100
92 60.2 29.8 89.3
134 23.4 13.2 39.6

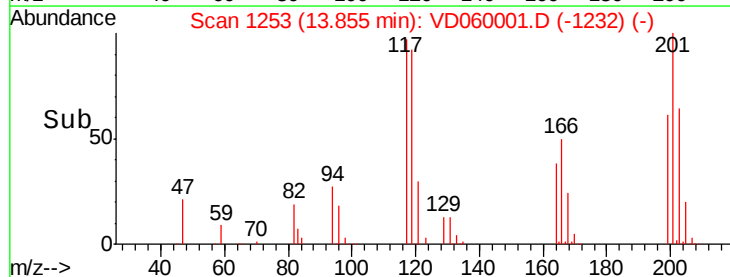
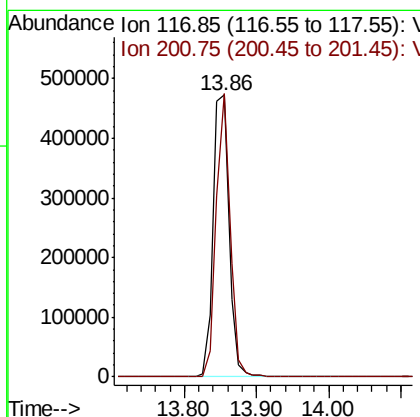
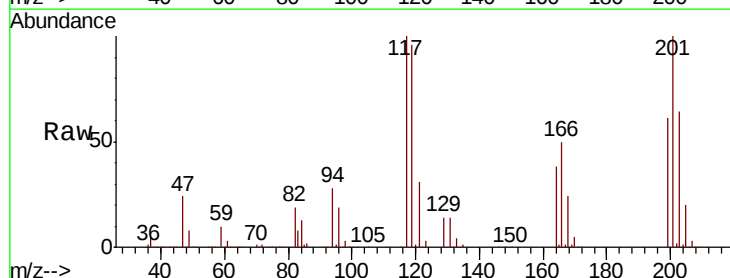
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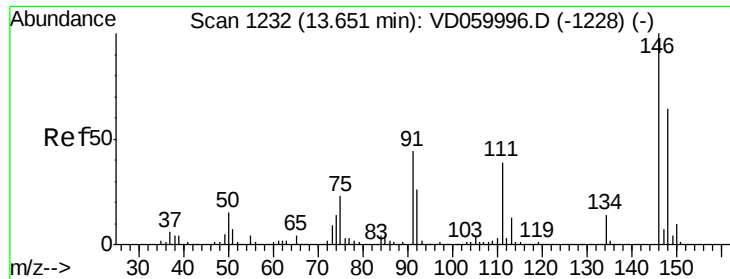
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#90
Hexachloroethane
Concen: 52.65 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 117 Resp: 717816
Ion Ratio Lower Upper
117 100
201 100.5 42.1 126.4





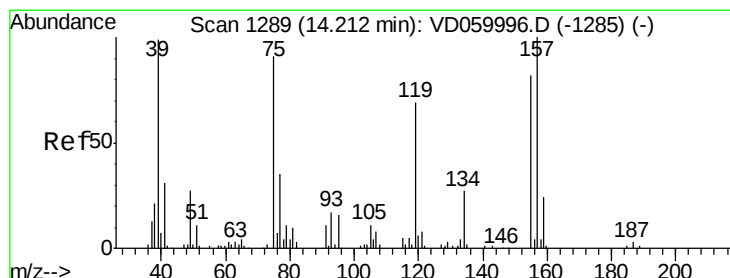
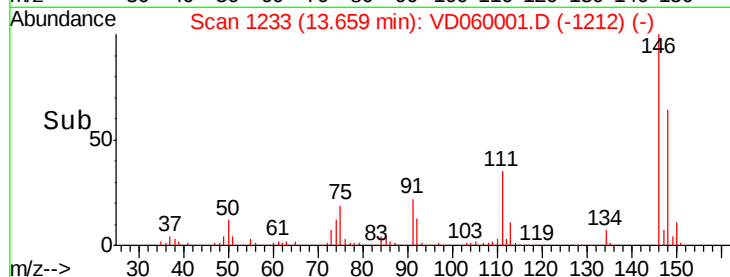
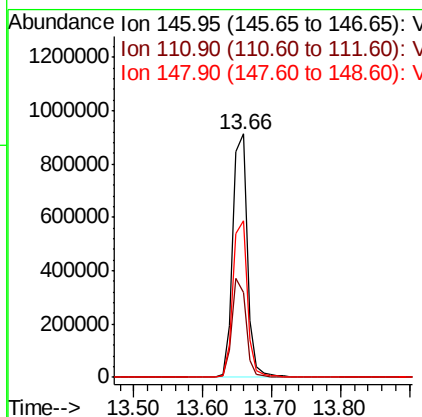
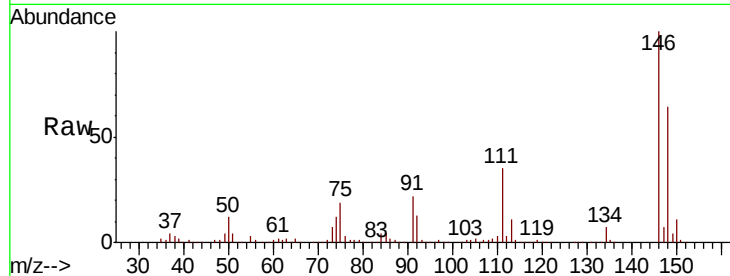
#91
 1,2-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1332998
 Ion Ratio Lower Upper
 146 100
 111 34.8 19.6 58.7
 148 64.4 31.9 95.7

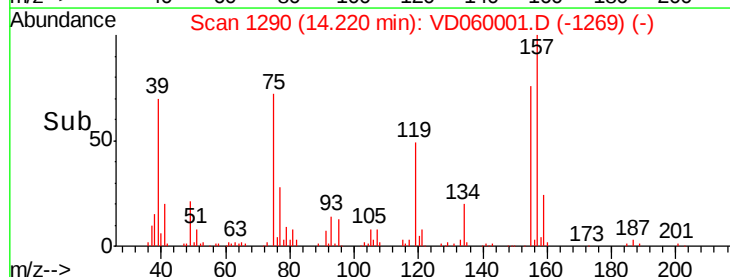
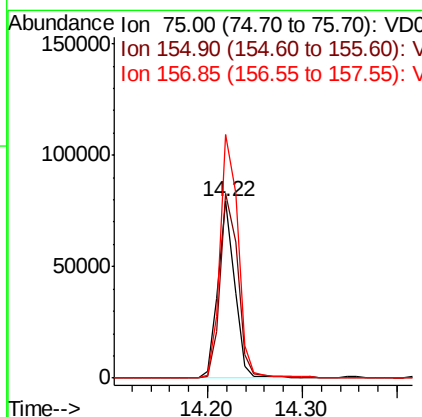
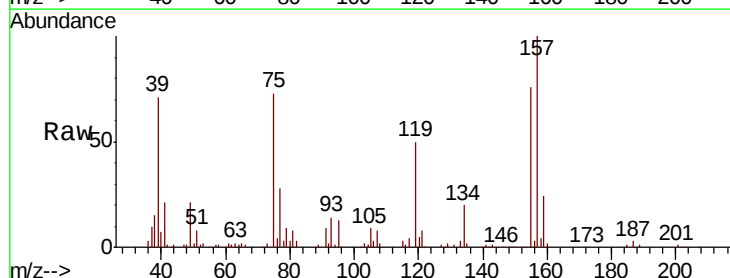
Manual Integrations
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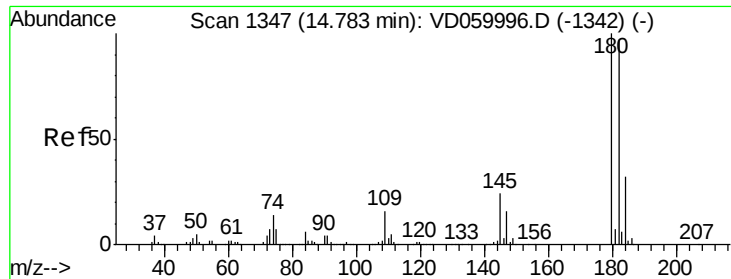
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.26 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 75 Resp: 98827
 Ion Ratio Lower Upper
 75 100
 155 104.5 44.7 134.1
 157 137.6 54.7 164.1





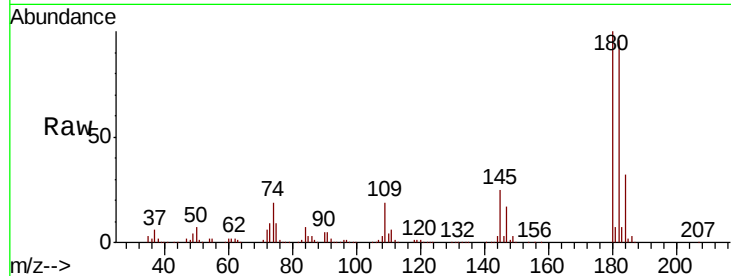
#93
 1,2,4-Trichlorobenzene
 Concen: 50.01 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

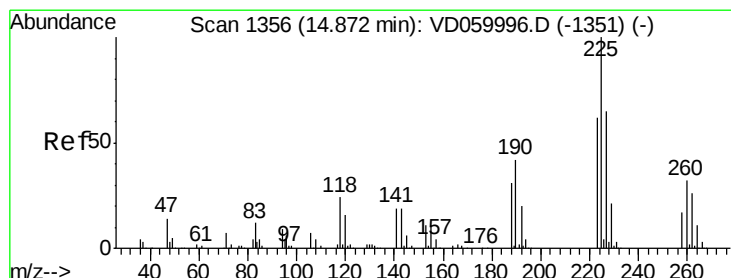
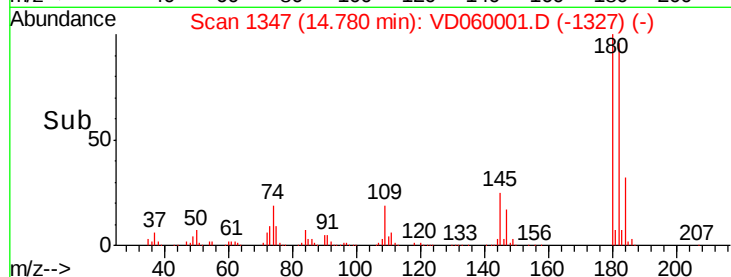
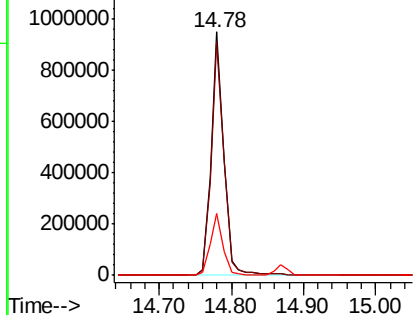
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.5	145.6
145	25.3	11.9	35.7

Manual Integrations
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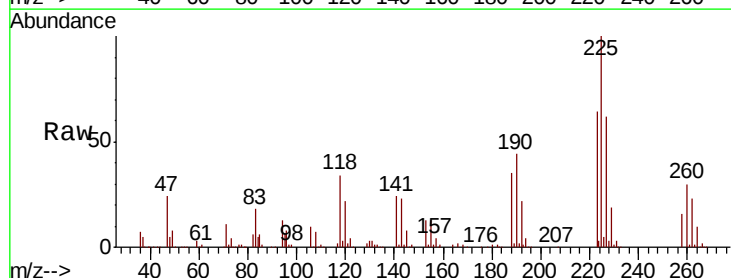


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

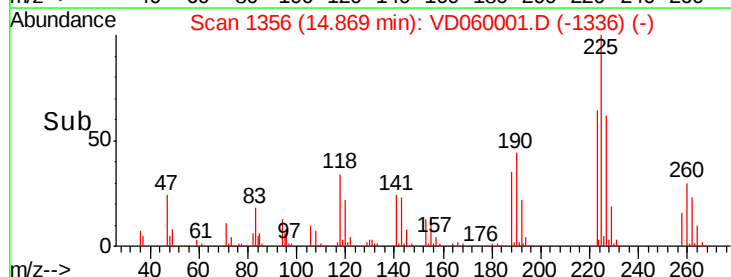
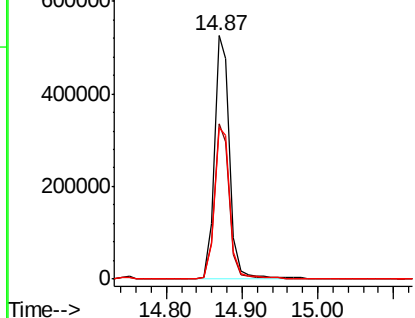


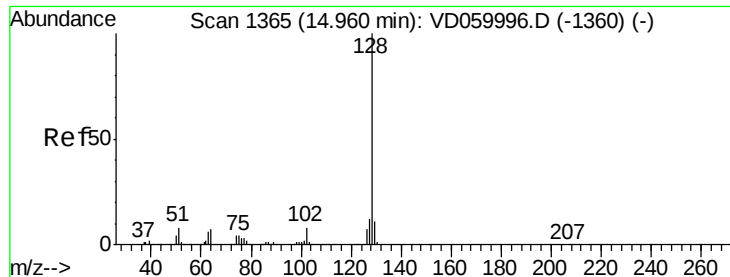
#94
 Hexachlorobutadiene
 Concen: 49.64 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.2	93.6
227	62.2	32.3	96.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





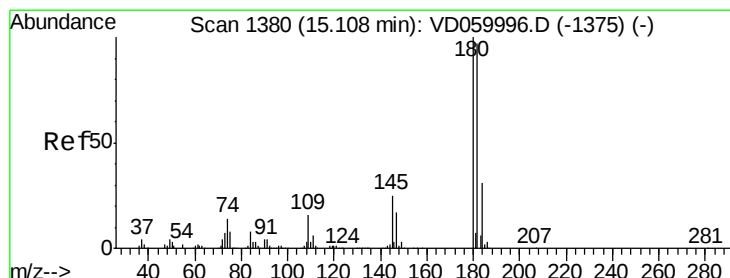
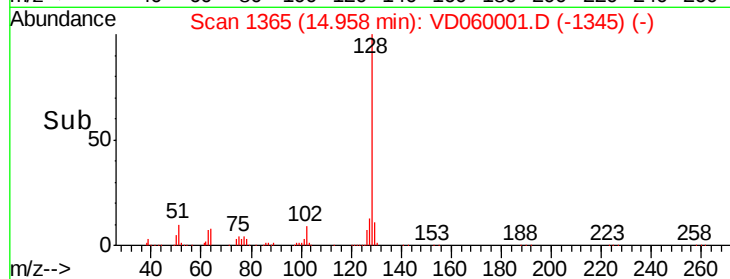
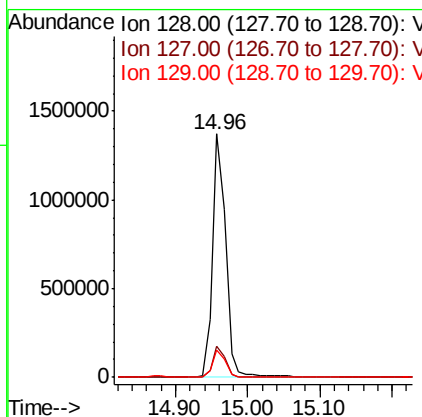
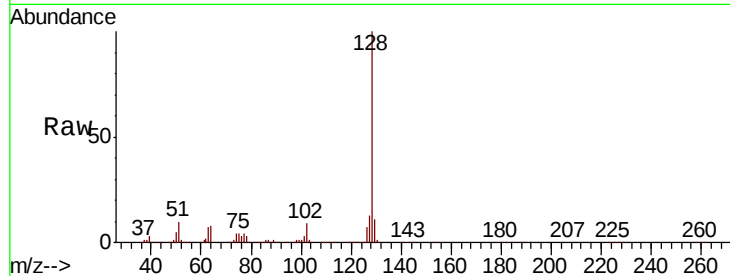
#95
Naphthalene
Concen: 48.39 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.7	14.5
129	11.1	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.11 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.6	145.9
145	28.4	12.7	38.1

