

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102618\
 Data File : VD060214.D
 Acq On : 26 Oct 2018 13:51
 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
 APPROVED

apatel
 10/29/2018 12:15:13 PM

Quant Time: Oct 26 23:52:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1477980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	1992535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1632634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	905171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	536526	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	6.30	113	804802	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	9.44	98	2239162	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.43	95	844780	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	626703	45.077	ug/l	100
3) Chloromethane	1.75	50	586377	46.773	ug/l	100
4) Vinyl Chloride	1.84	62	489142	47.677	ug/l	99
5) Bromomethane	2.12	94	86833	67.405	ug/l	97
6) Chloroethane	2.24	64	156559	55.920	ug/l	98
7) Trichlorofluoromethane	2.49	101	616847	50.213	ug/l	99
8) Diethyl Ether	2.80	74	127899	50.631	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	401625	52.479	ug/l	99
10) Methyl Iodide	3.22	142	391418	48.229	ug/l	100
11) Tert butyl alcohol	3.95	59	178958	222.727	ug/l	97
12) 1,1-Dichloroethene	3.05	96	312102	51.766	ug/l	96
13) Acrolein	2.97	56	88305	178.283	ug/l	99
14) Allyl chloride	3.51	41	653707	52.205	ug/l	96
15) Acrylonitrile	4.06	53	796833	239.597	ug/l	98
16) Acetone	3.14	43	542469	266.848	ug/l	97
17) Carbon Disulfide	3.29	76	924428	45.595	ug/l	98
18) Methyl Acetate	3.53	43	243880	55.816	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1320410	49.811	ug/l	98
20) Methylene Chloride	3.69	84	790924	49.375	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	769152	49.396	ug/l	95
22) Diisopropyl ether	4.83	45	2930189	52.398	ug/l	96
23) Vinyl Acetate	4.78	43	7708513	245.230	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1335246	52.661	ug/l	100
25) 2-Butanone	5.60	43	1284714	252.964	ug/l	97
26) 2,2-Dichloropropane	5.56	77	1080670	56.222	ug/l	95
27) cis-1,2-Dichloroethene	5.57	96	849561	51.496	ug/l	93
28) Bromochloromethane	5.90	49	606350	49.211	ug/l	94
29) Tetrahydrofuran	5.93	42	670281	227.219	ug/l	98
30) Chloroform	6.08	83	1368448	53.355	ug/l	98
31) Cyclohexane	6.34	56	1156104	47.632	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1134884	54.009	ug/l	99
36) 1,1-Dichloropropene	6.50	75	991821	52.090	ug/l	99
37) Ethyl Acetate	5.67	43	604957	47.867	ug/l	100
38) Carbon Tetrachloride	6.48	117	926488	53.612	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1124988	52.001	ug/l	98
40) Benzene	6.78	78	2507961	50.348	ug/l	100
41) Methacrylonitrile	5.90	41	325304m	45.539	ug/l	
42) 1,2-Dichloroethane	6.87	62	755238	52.883	ug/l	100
43) Isopropyl Acetate	8.33	43	794595	47.789	ug/l #	100
44) Trichloroethene	7.72	130	801630	51.987	ug/l	96
45) 1,2-Dichloropropane	8.09	63	685738	52.575	ug/l	98
46) Dibromomethane	8.19	93	437163	51.770	ug/l	92
47) Bromodichloromethane	8.48	83	989405	54.990	ug/l	100
48) Methyl methacrylate	8.23	41	482165	50.909	ug/l	98
49) 1,4-Dioxane	8.21	88	94114	1009.944	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	2653097	252.985	ug/l	98
52) Toluene	9.53	92	1673949	52.179	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	877854	53.921	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1096919	54.562	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	536555	51.160	ug/l	99
56) Ethyl methacrylate	10.01	69	593987	51.307	ug/l	96
57) 1,3-Dichloropropane	10.37	76	837676	52.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1604623	249.599	ug/l	100
59) 2-Hexanone	10.48	43	1915392	253.993	ug/l	100
60) Dibromochloromethane	10.62	129	687404	53.420	ug/l	98
61) 1,2-Dibromoethane	10.75	107	562939	50.517	ug/l	100
64) Tetrachloroethene	10.24	164	738116	51.618	ug/l	97
65) Chlorobenzene	11.30	112	1819957	51.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	626414	53.164	ug/l	97
67) Ethyl Benzene	11.42	91	2990028	52.251	ug/l	99
68) m/p-Xylenes	11.56	106	2276244	106.460	ug/l	100
69) o-Xylene	11.92	106	1114499	52.698	ug/l	93
70) Styrene	11.95	104	1844505	52.153	ug/l	99
71) Bromoform	12.11	173	495428	51.926	ug/l	98
73) Isopropylbenzene	12.27	105	3038945	50.890	ug/l	98
74) N-amyl acetate	12.13	43	1012798	46.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	611482	46.904	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	621416	47.671	ug/l	98
77) Bromobenzene	12.53	156	858014	49.445	ug/l	96
78) n-propylbenzene	12.63	91	3799111	51.236	ug/l	98
79) 2-Chlorotoluene	12.70	91	2120513	51.527	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2341685	50.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	186362	50.879	ug/l	96
82) 4-Chlorotoluene	12.81	91	2378455	51.098	ug/l	97
83) tert-Butylbenzene	13.05	119	2639427	49.766	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	2421622	49.715	ug/l	95
85) sec-Butylbenzene	13.21	105	3140240	50.077	ug/l	96
86) p-Isopropyltoluene	13.34	119	2667790	51.868	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1550329	51.279	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1516541	49.939	ug/l	98
89) n-Butylbenzene	13.65	91	2635308	52.510	ug/l	99
90) Hexachloroethane	13.85	117	662576	55.662	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	1282779	50.461	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	85459	49.095	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1102927	51.115	ug/l	97
94) Hexachlorobutadiene	14.88	225	753682	52.548	ug/l	100
95) Naphthalene	14.96	128	1510804	47.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	926832	49.378	ug/l	98

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

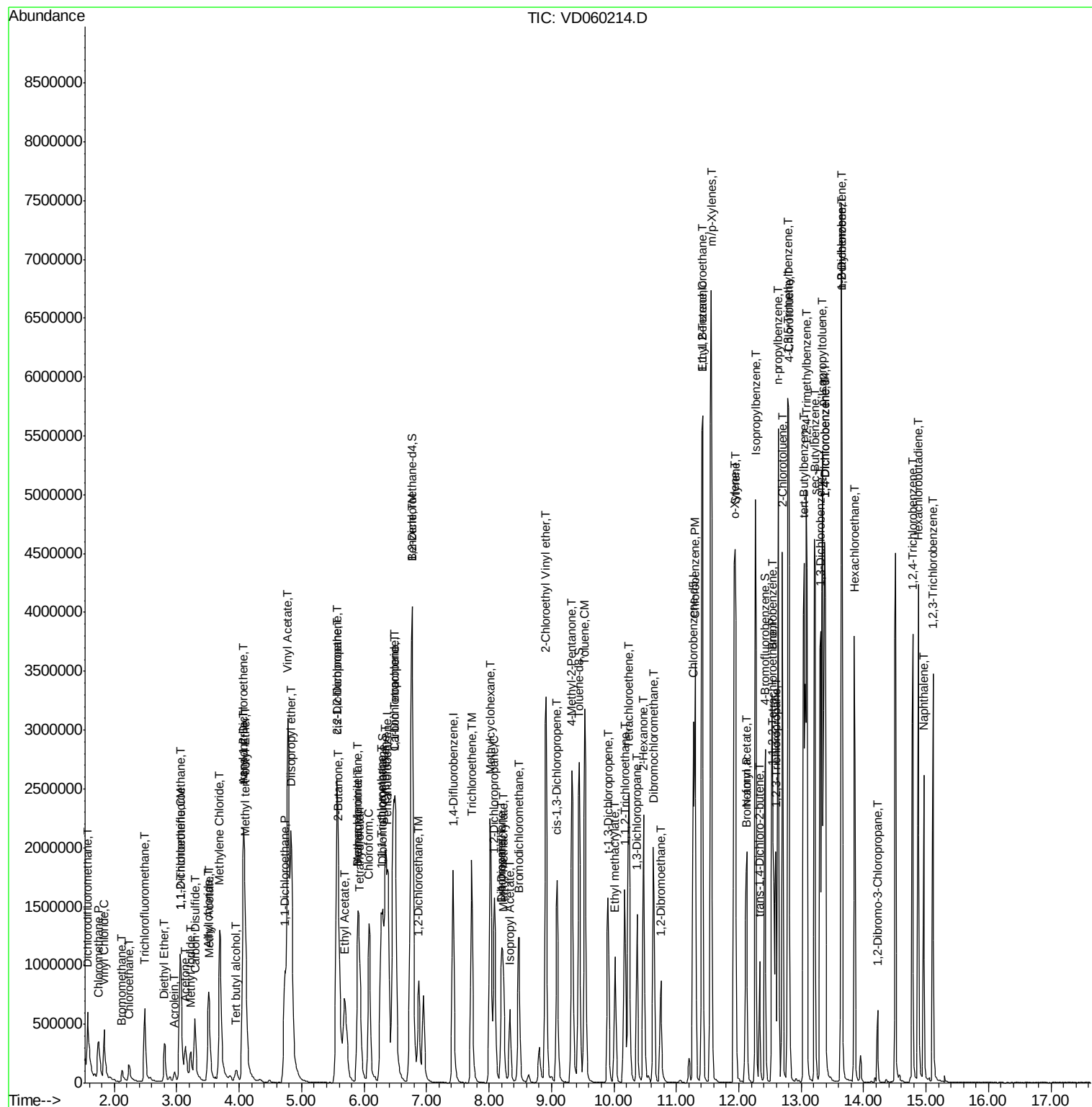
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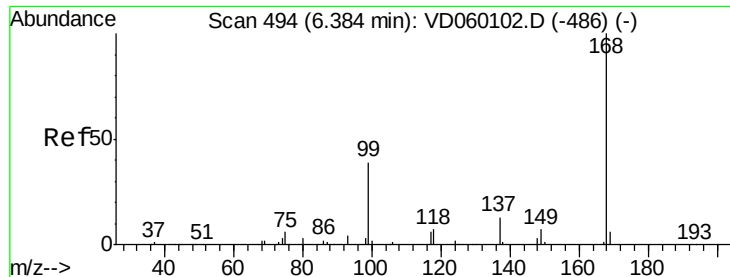
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1477980

Ion Ratio Lower Upper

168 100

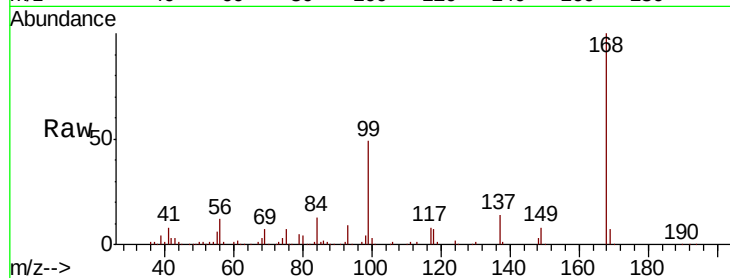
99 49.4 35.4 53.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

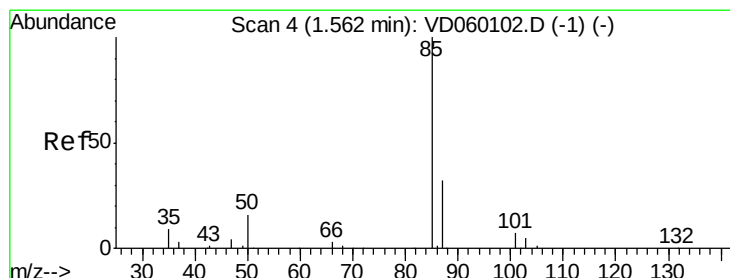
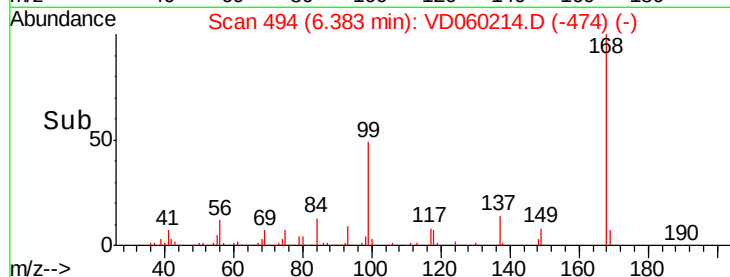
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.077 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060214.D

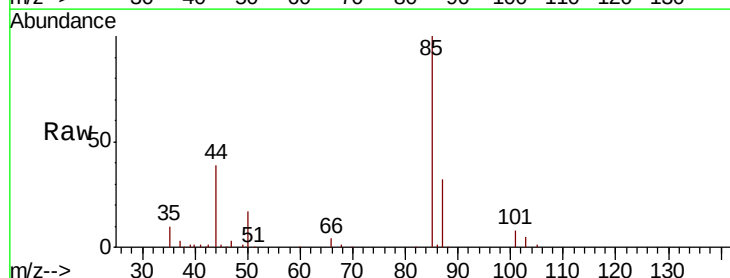
Acq: 26 Oct 2018 13:51

Tgt Ion: 85 Resp: 626703

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

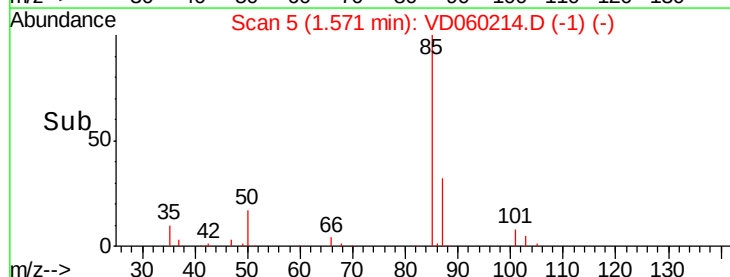
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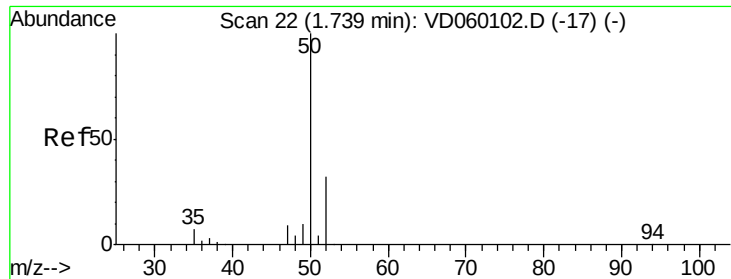
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.773 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 586377

Ion Ratio Lower Upper

50 100

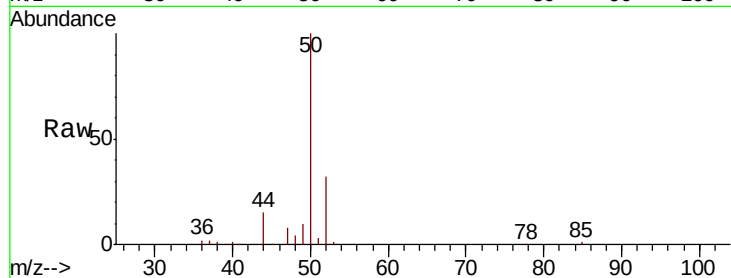
52 31.6 25.3 37.9

Manual Integrations

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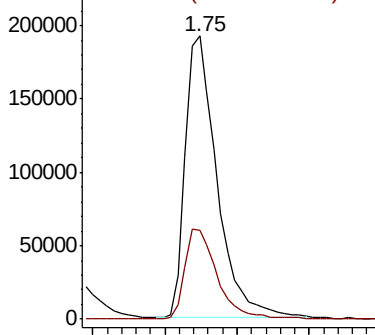
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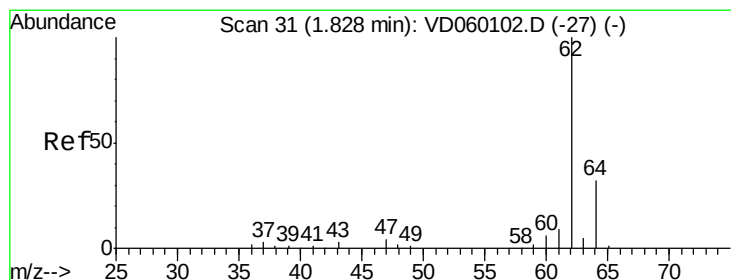
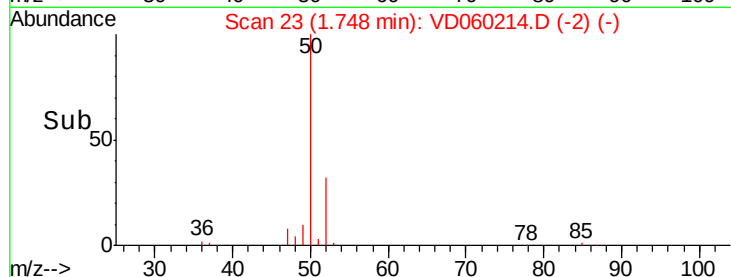


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 47.677 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060214.D

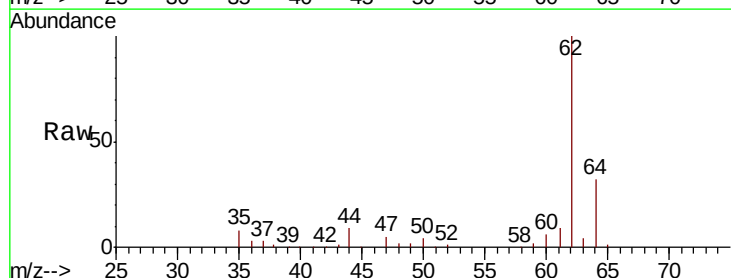
Acq: 26 Oct 2018 13:51

Tgt Ion: 62 Resp: 489142

Ion Ratio Lower Upper

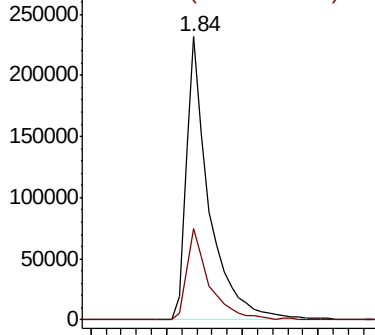
62 100

64 32.3 25.2 37.8

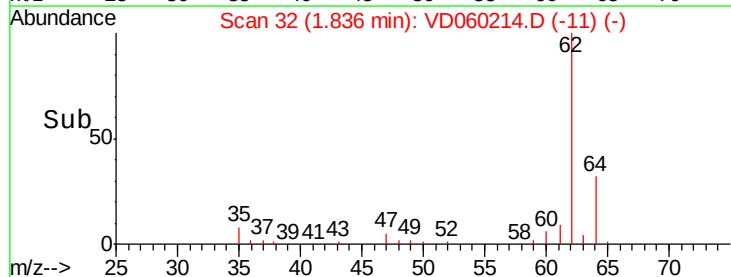


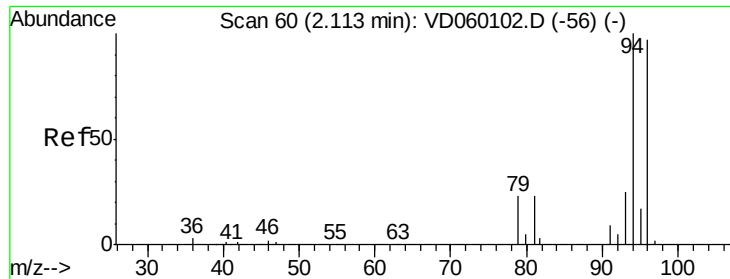
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 67.405 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 86833

Ion Ratio Lower Upper

94 100

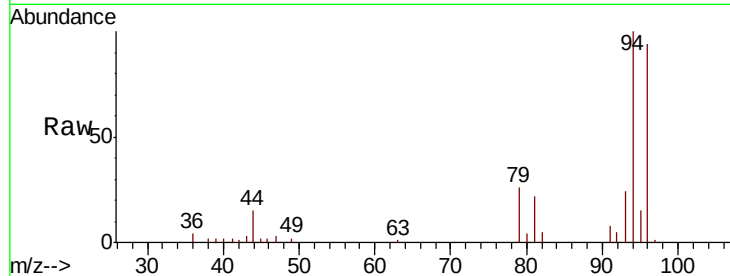
96 93.7 77.4 116.2

Manual Integrations

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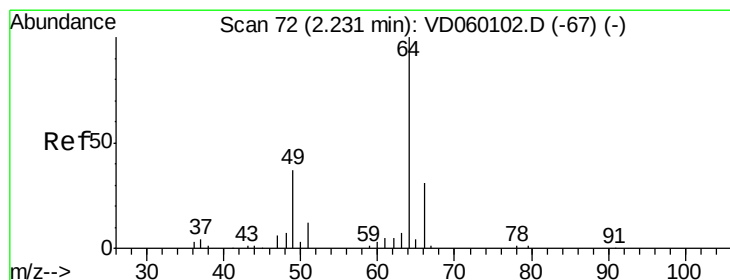
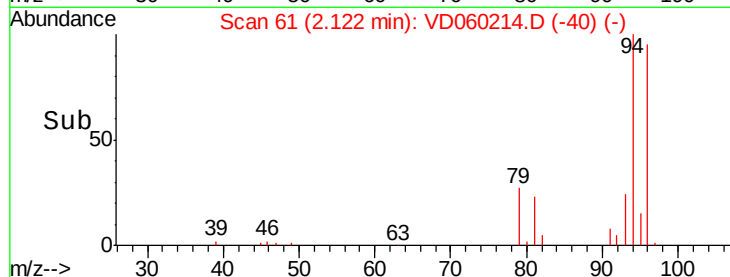
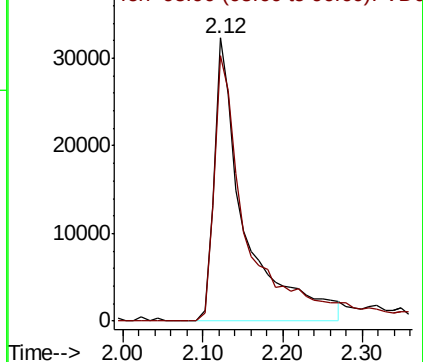
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.920 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060214.D

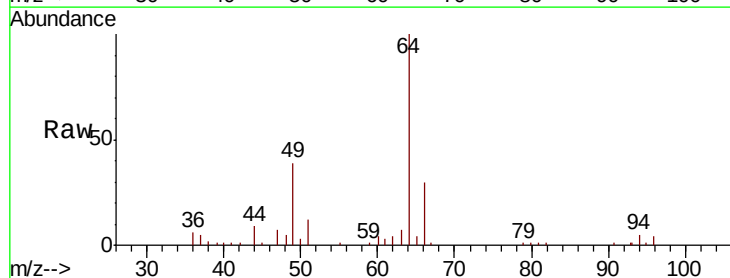
Acq: 26 Oct 2018 13:51

Tgt Ion: 64 Resp: 156559

Ion Ratio Lower Upper

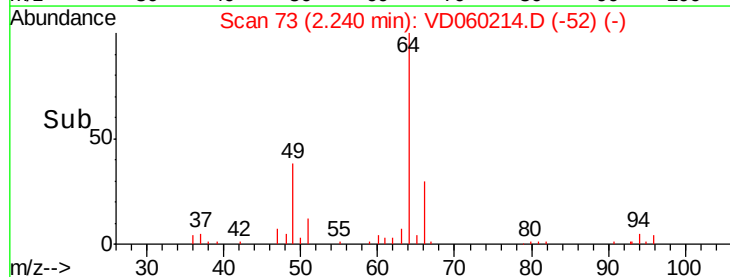
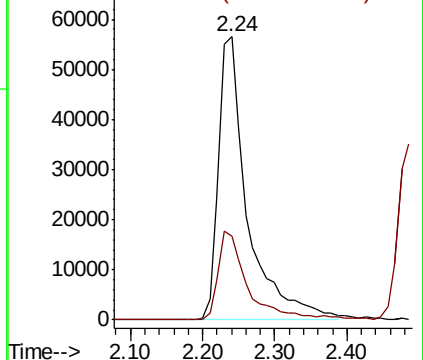
64 100

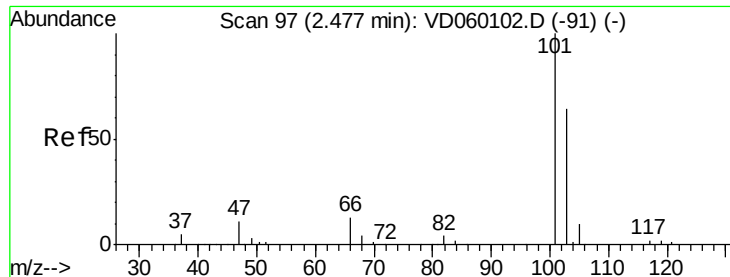
66 29.6 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

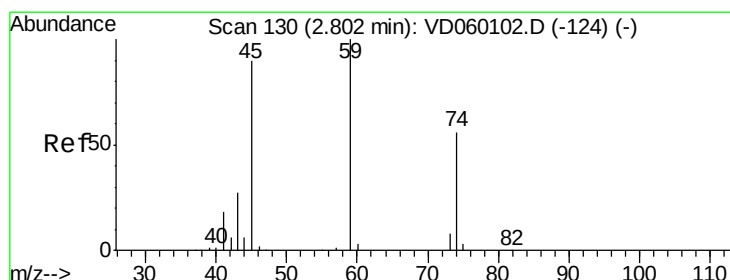
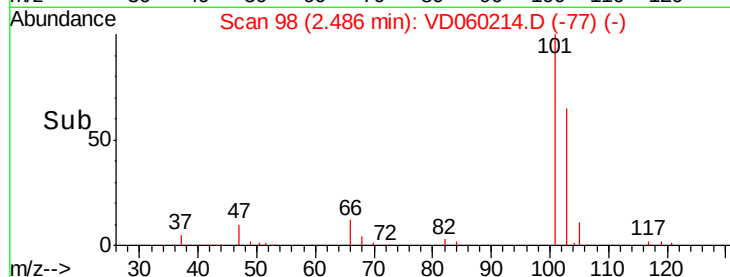
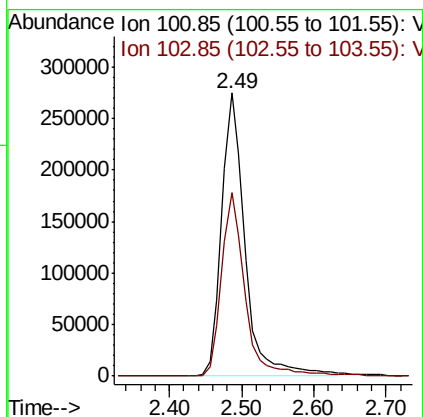
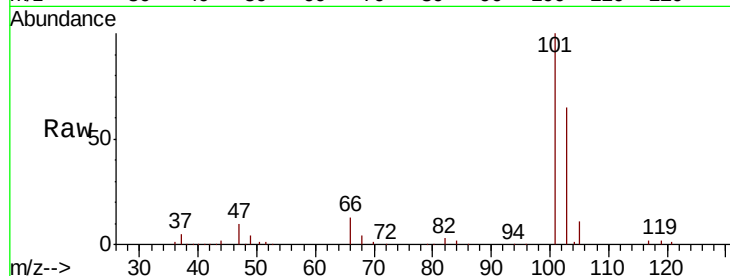
Trichlorofluoromethane
 Concen: 50.213 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 616847
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

Manual Integrations
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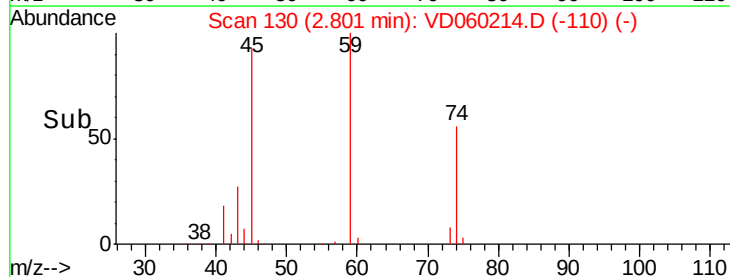
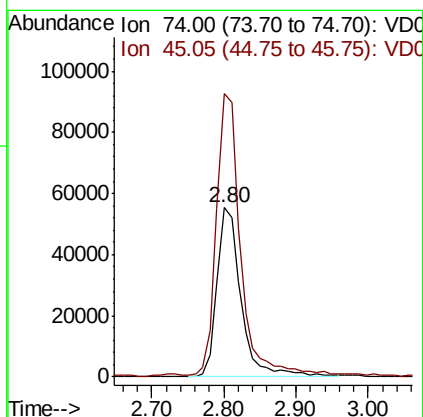
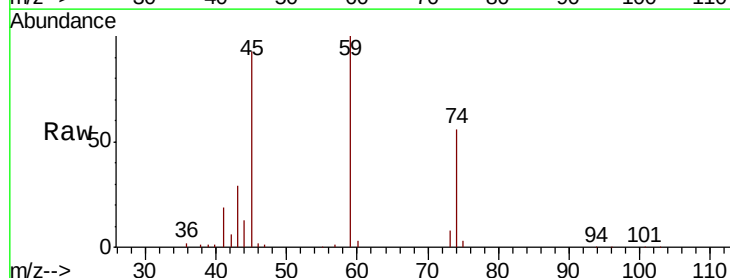
apatel
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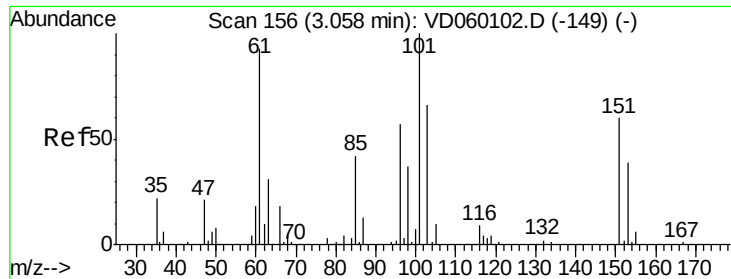


#8

Diethyl Ether
 Concen: 50.631 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 74 Resp: 127899
 Ion Ratio Lower Upper
 74 100
 45 167.2 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.479 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

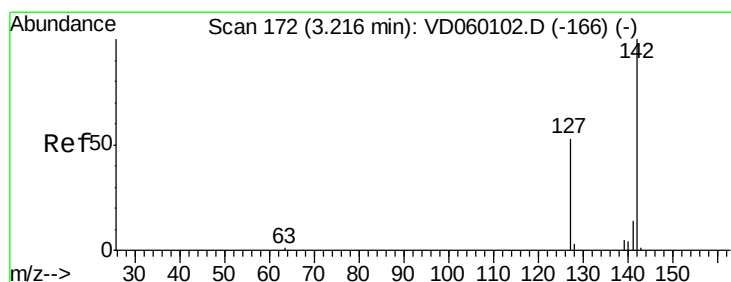
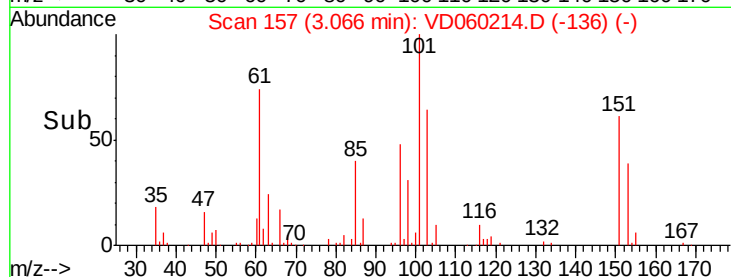
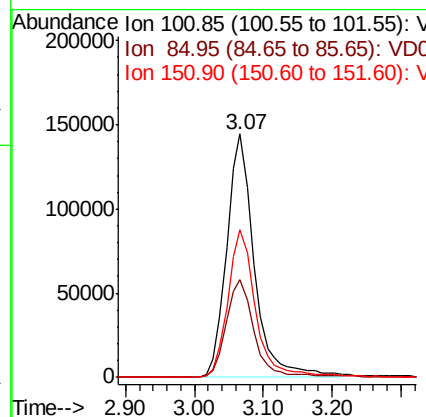
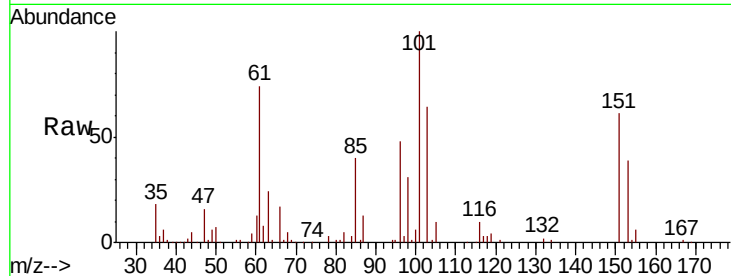
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	401625
Ion Ratio	Lower	Upper	
101	100		
85	40.3	33.4	50.0
151	60.6	48.0	72.0

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#10

Methyl Iodide

Concen: 48.229 ug/l

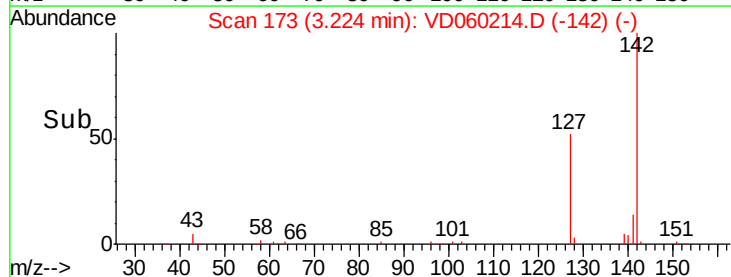
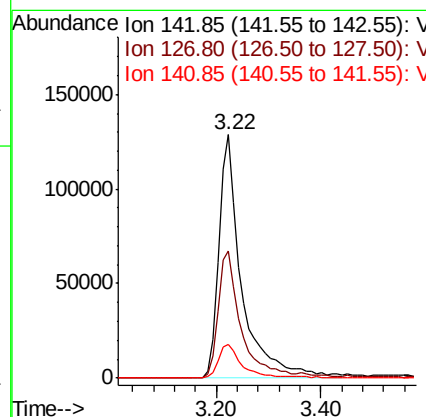
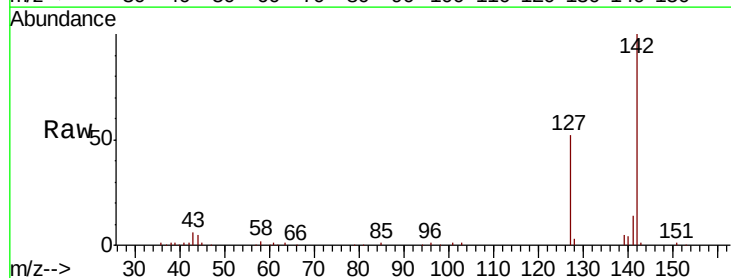
RT: 3.22 min Scan# 173

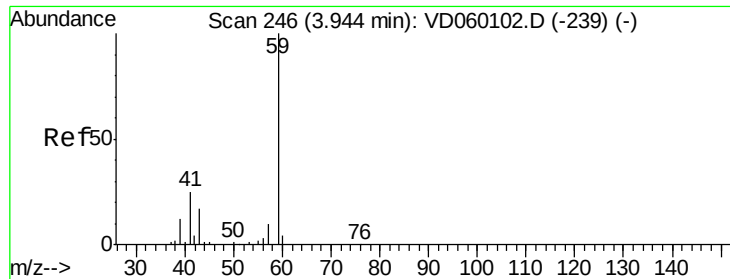
Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	142	Resp:	391418
Ion Ratio	Lower	Upper	
142	100		
127	52.5	42.0	63.0
141	13.8	11.4	17.0





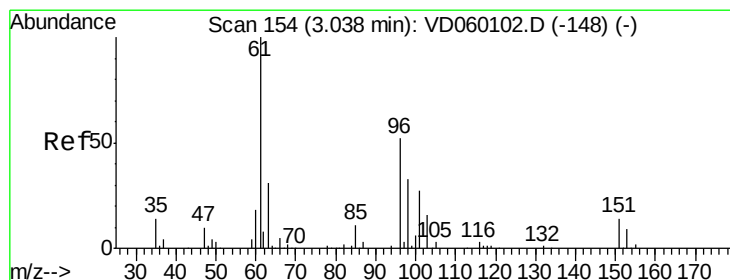
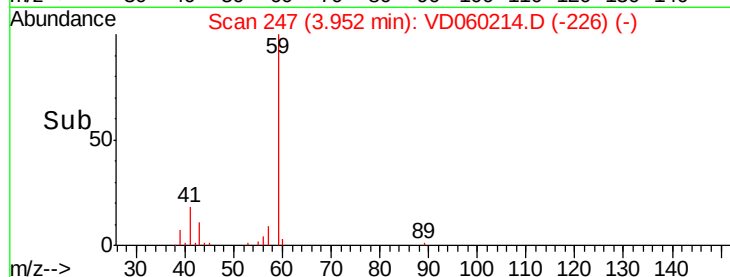
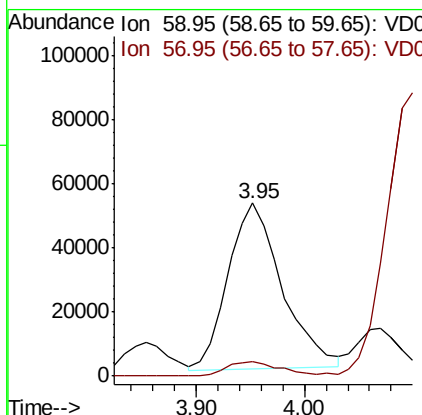
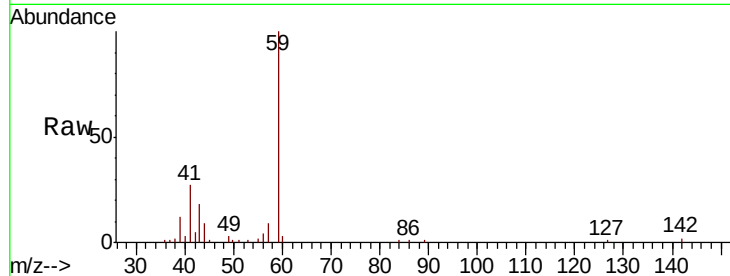
#11
Tert butyl alcohol
Concen: 222.727 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	178958
Ion Ratio	100	Lower	Upper
57	8.6	7.8	11.6

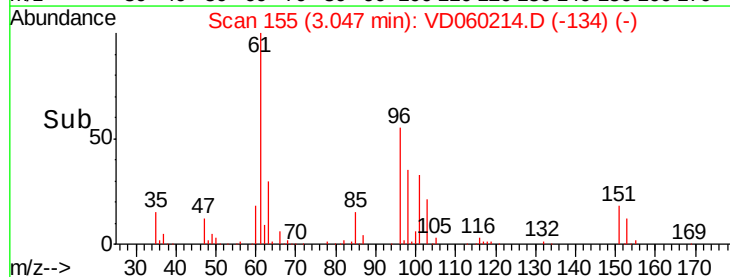
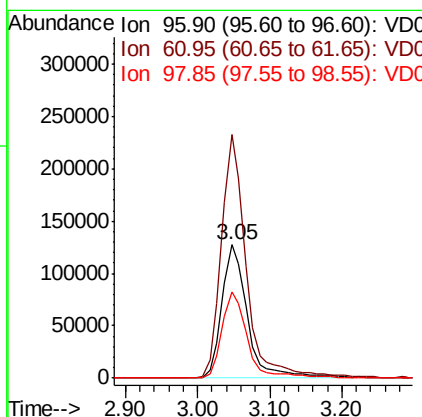
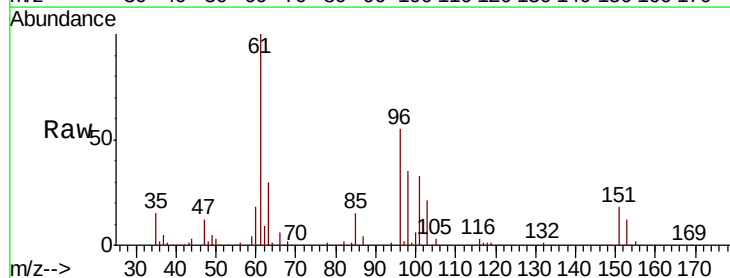
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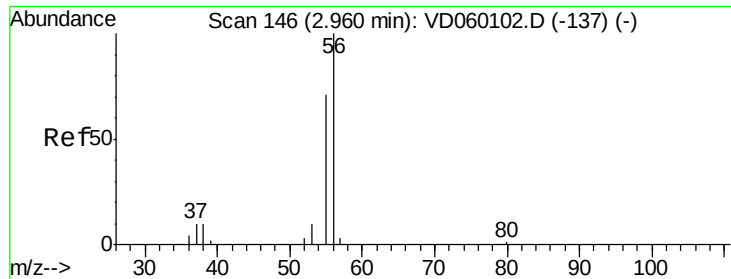
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#12
1,1-Dichloroethene
Concen: 51.766 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion	96	Resp	312102
Ion Ratio	100	Lower	Upper
61	183.1	153.0	229.4
98	64.9	51.1	76.7





#13

Acrolein

Concen: 178.283 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 88305

Ion Ratio Lower Upper

56 100

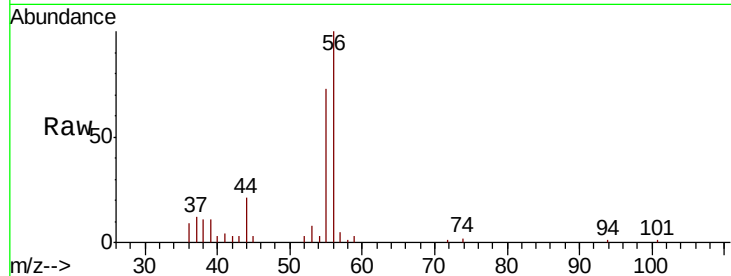
55 72.7 57.4 86.2

Manual Integrations

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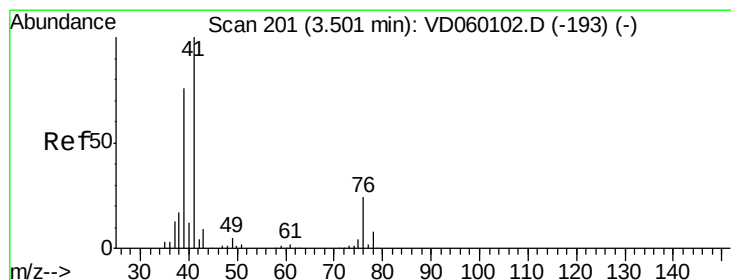
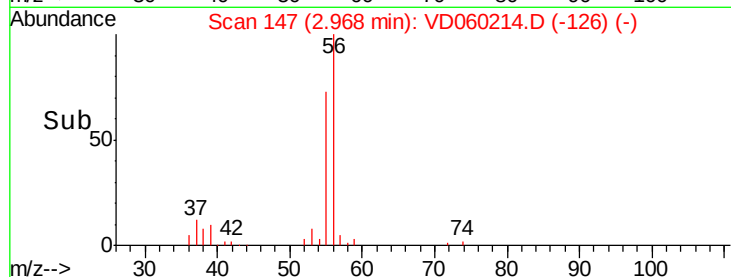
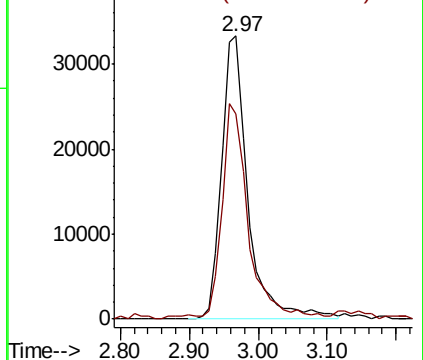
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.205 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

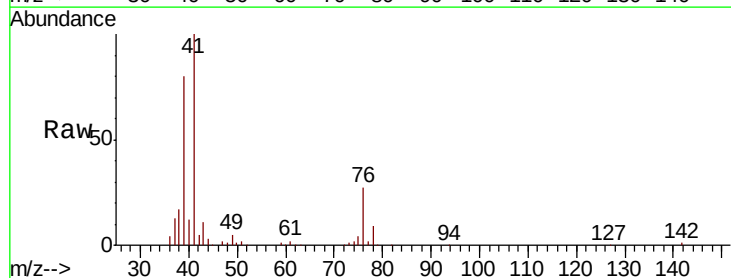
Tgt Ion: 41 Resp: 653707

Ion Ratio Lower Upper

41 100

39 79.5 60.6 90.8

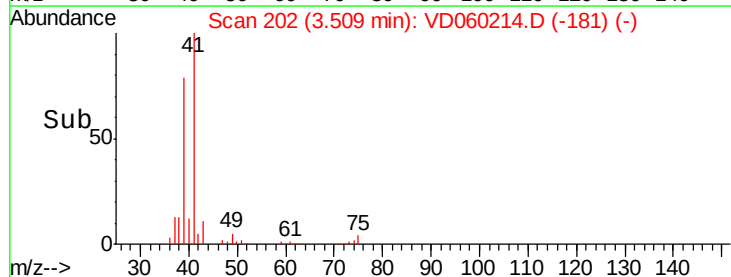
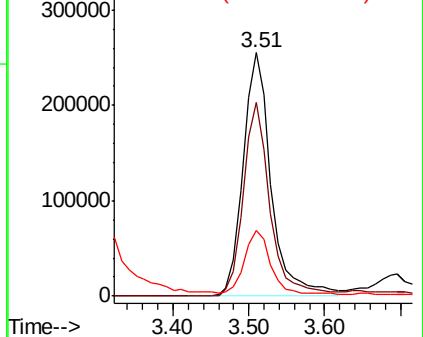
76 27.0 21.3 31.9

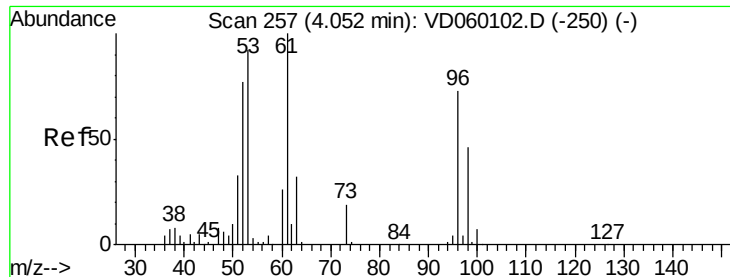


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 239.597 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

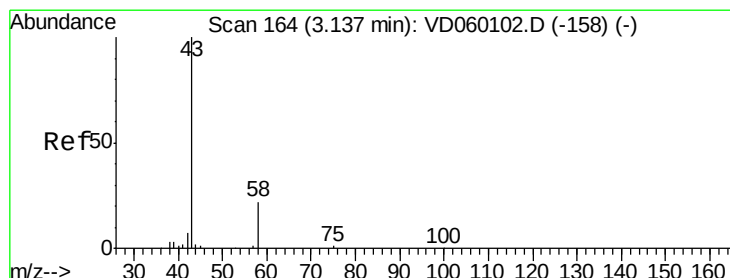
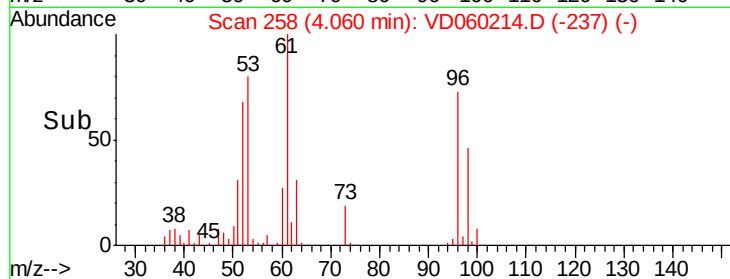
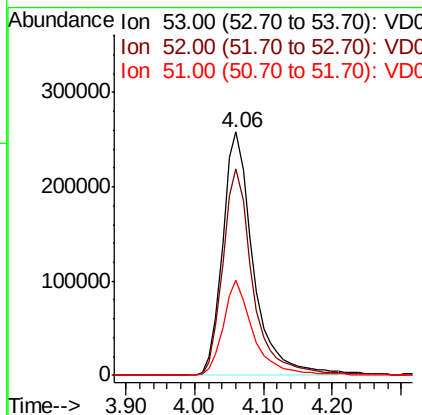
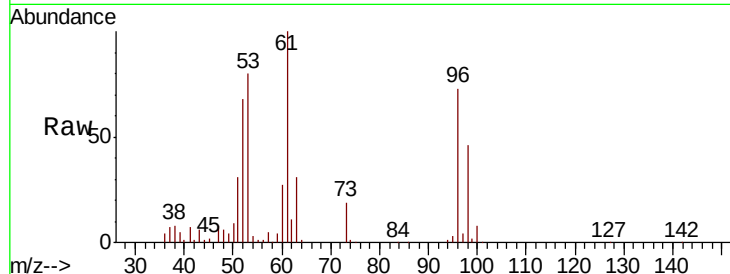
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	796833
Ion Ratio	Lower	Upper	
53	100		
52	84.7	67.5	101.3
51	39.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 266.848 ug/l

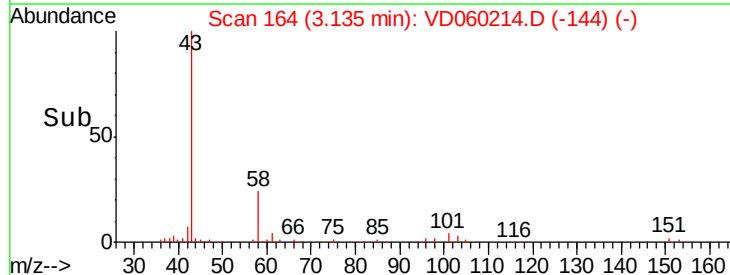
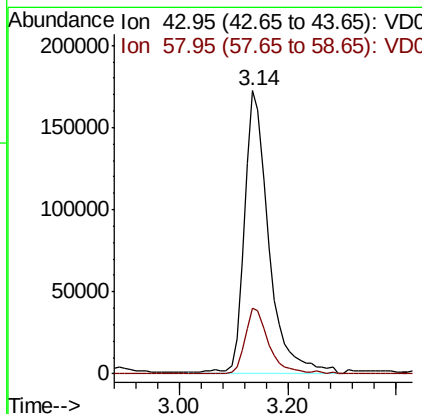
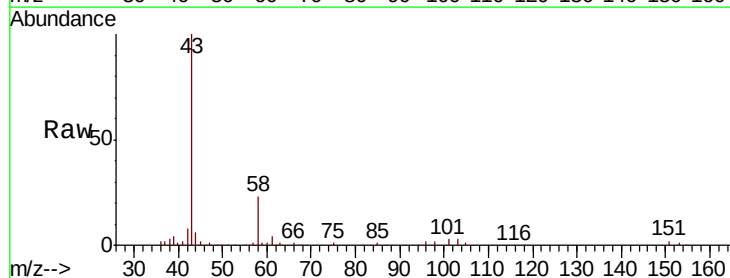
RT: 3.14 min Scan# 164

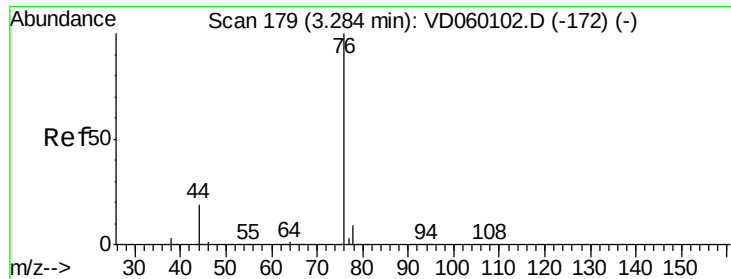
Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	43	Resp:	542469
Ion Ratio	Lower	Upper	
43	100		
58	23.4	17.7	26.5





#17

Carbon Disulfide

Concen: 45.595 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 924428

Ion Ratio Lower Upper

76 100

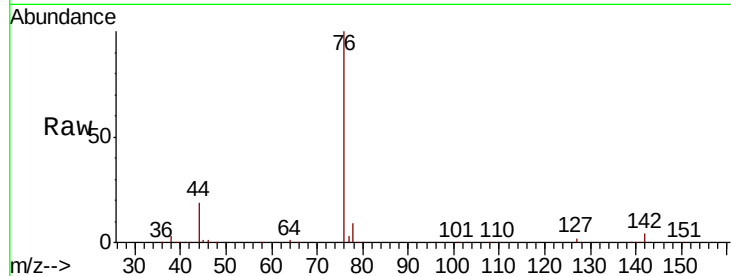
78 8.7 7.4 11.2

Manual Integrations

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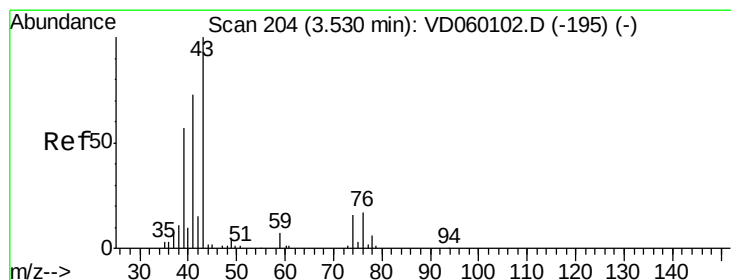
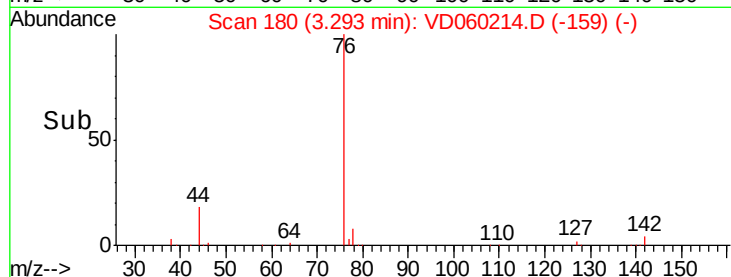
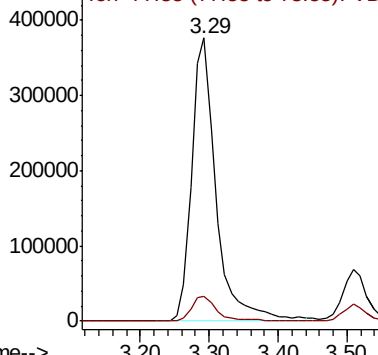
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 55.816 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060214.D

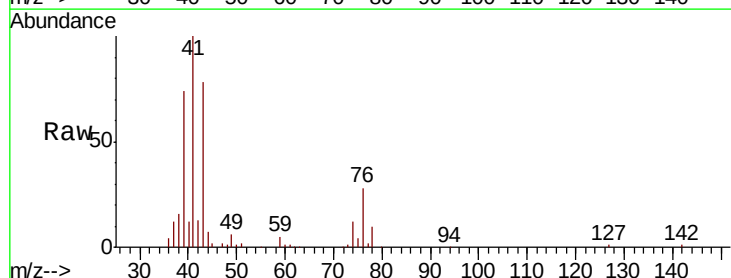
Acq: 26 Oct 2018 13:51

Tgt Ion: 43 Resp: 243880

Ion Ratio Lower Upper

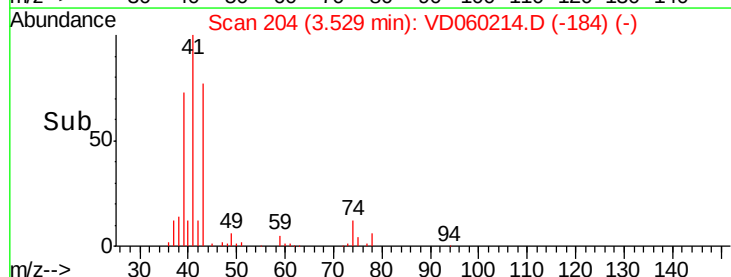
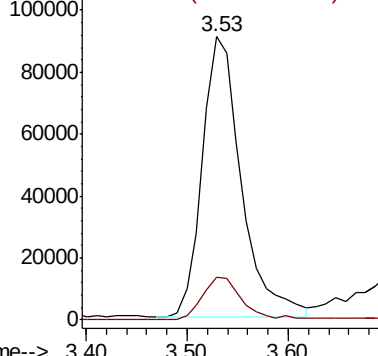
43 100

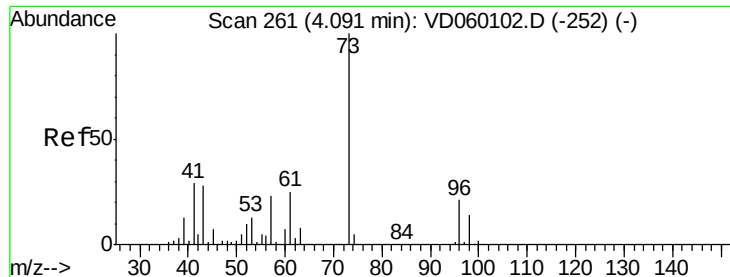
74 15.1 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





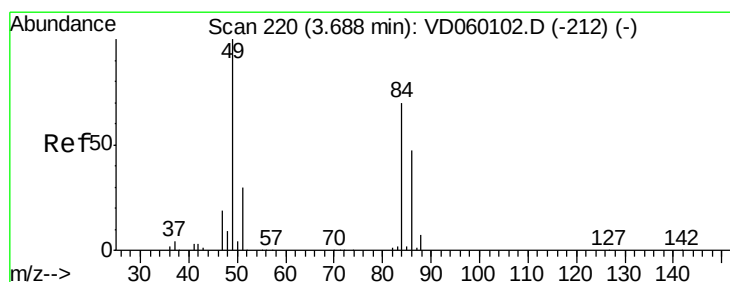
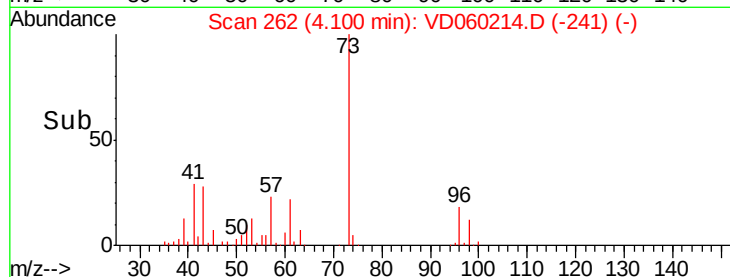
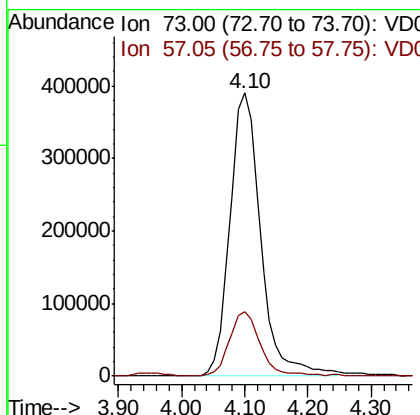
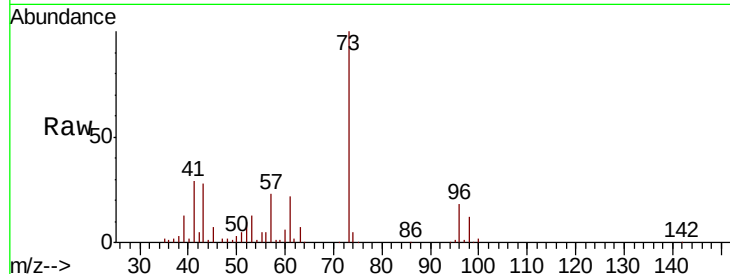
#19
Methyl tert-butyl Ether
Concen: 49.811 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1320410
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1

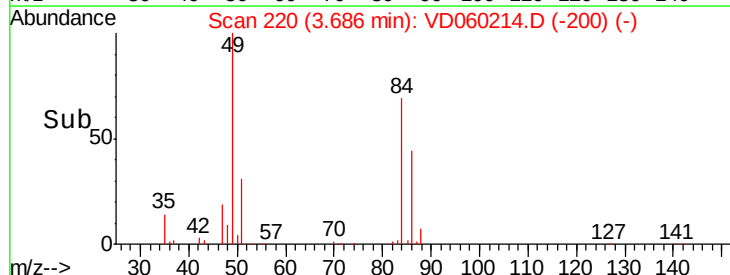
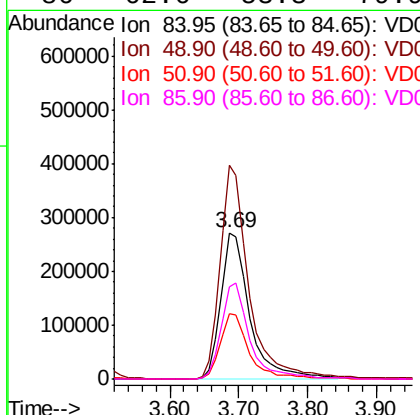
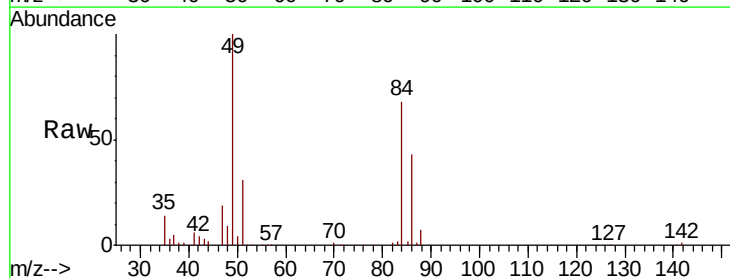
Manual Integrations
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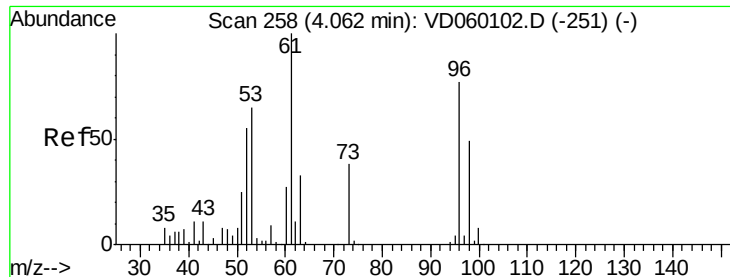
apatel
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#20
Methylene Chloride
Concen: 49.375 ug/l
RT: 3.69 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 84 Resp: 790924
Ion Ratio Lower Upper
84 100
49 146.0 114.6 172.0
51 44.7 33.8 50.8
86 62.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 49.396 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

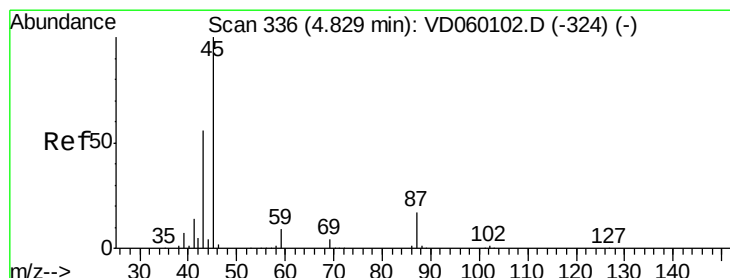
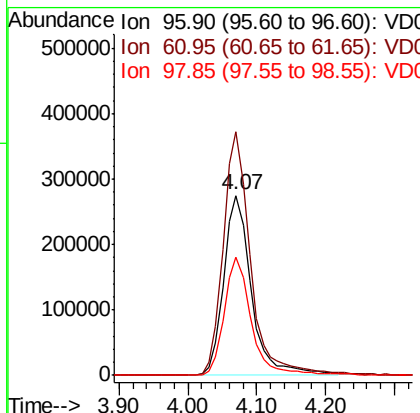
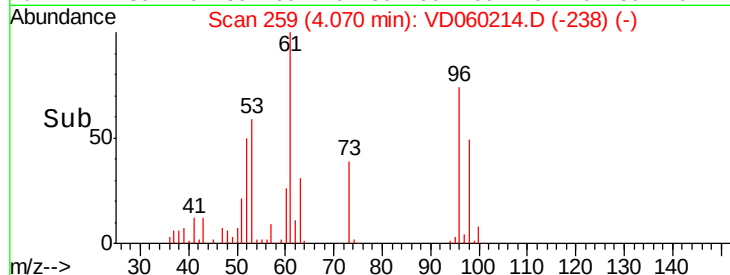
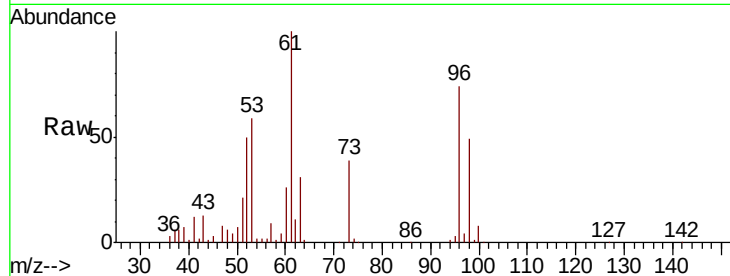
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	769152
Ion	Ratio	Lower	Upper
96	100		
61	135.3	103.3	154.9
98	65.7	50.4	75.6

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#22

Diisopropyl ether

Concen: 52.398 ug/l

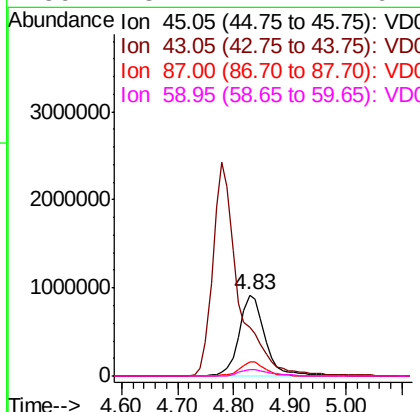
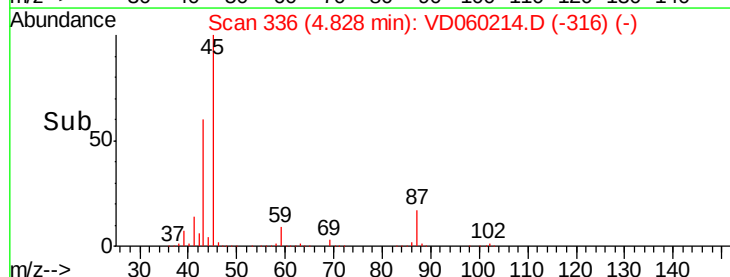
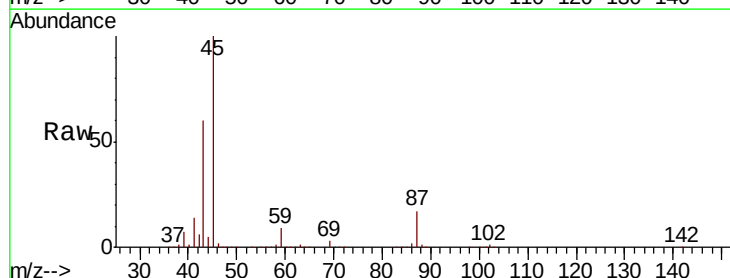
RT: 4.83 min Scan# 336

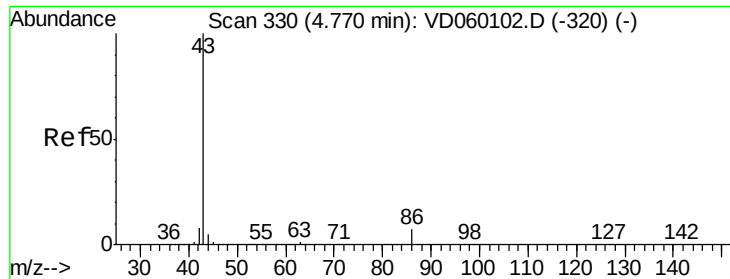
Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	45	Resp:	2930189
Ion	Ratio	Lower	Upper
45	100		
43	59.6	44.8	67.2
87	17.1	13.9	20.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 245.230 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 7708513

Ion Ratio Lower Upper

43 100

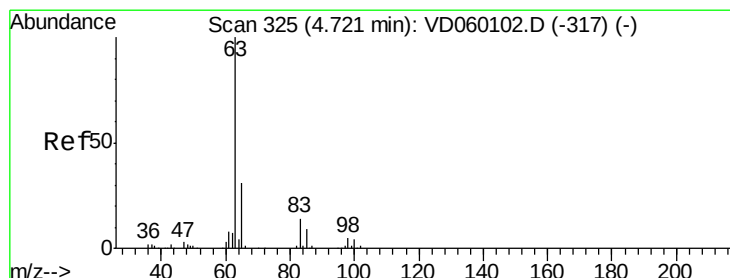
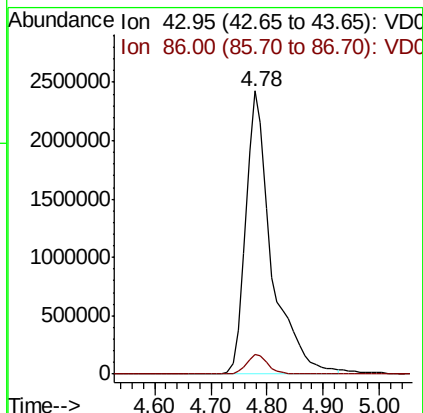
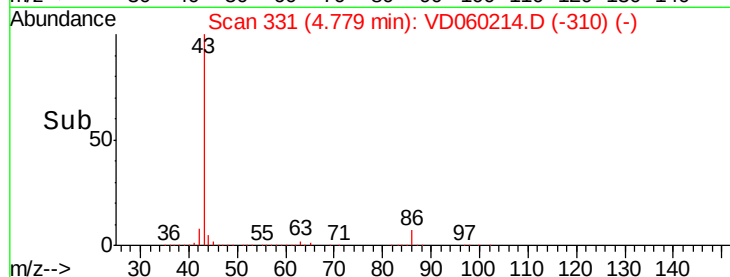
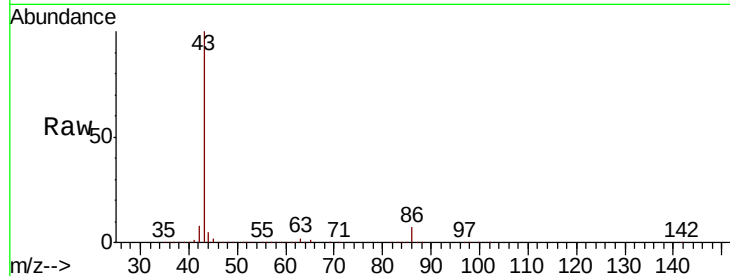
86 6.8 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 52.661 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

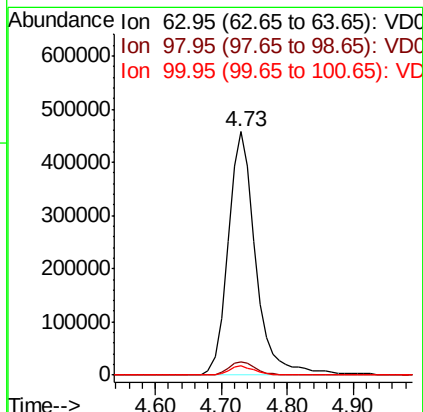
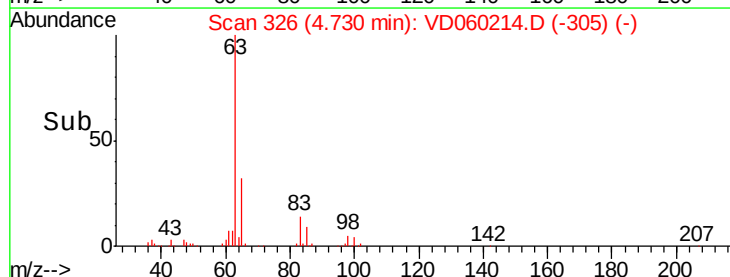
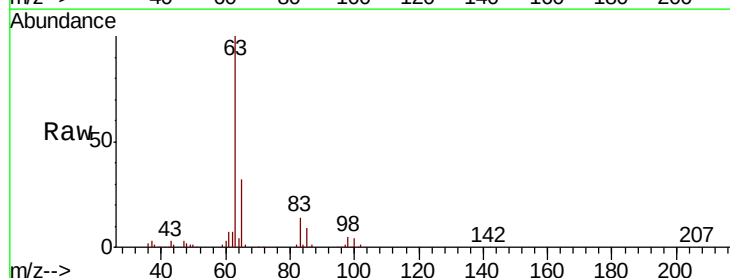
Tgt Ion: 63 Resp: 1335246

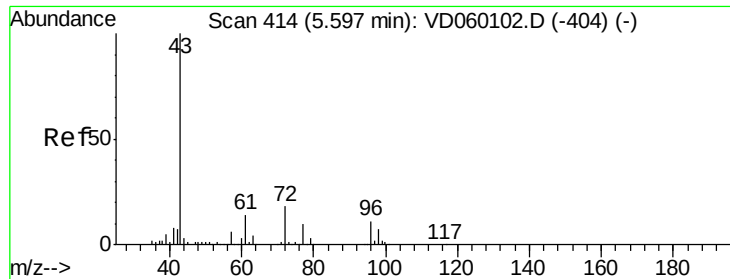
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 3.6 1.8 5.3





#25

2-Butanone

Concen: 252.964 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1284714

Ion Ratio Lower Upper

43 100

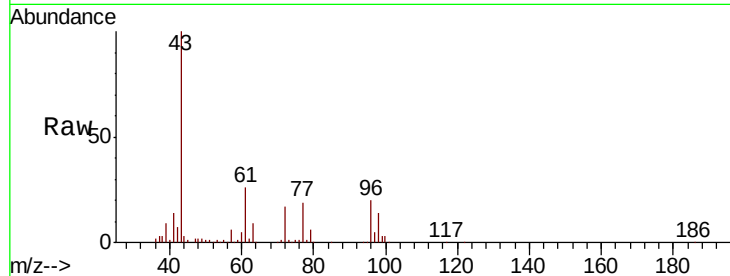
72 16.6 14.5 21.7

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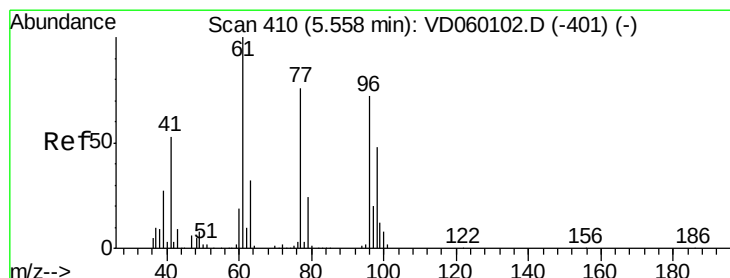
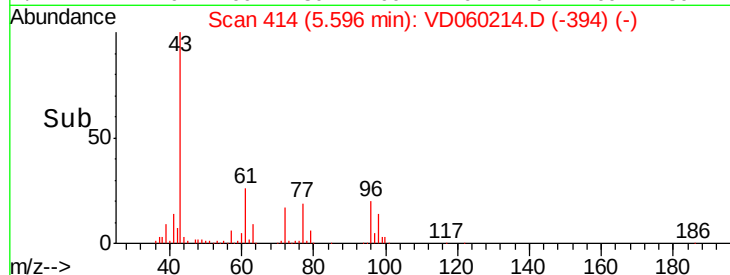
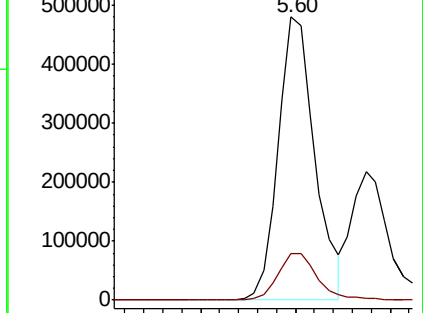
apatel

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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: 56.222 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD060214.D

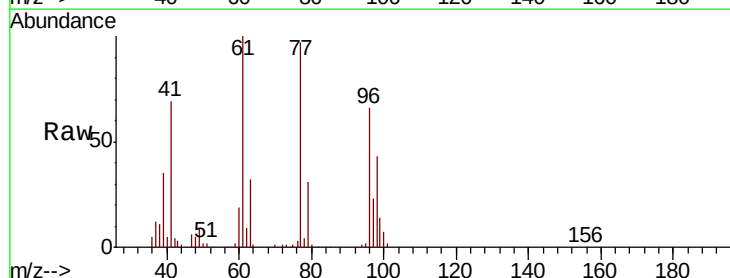
Acq: 26 Oct 2018 13:51

Tgt Ion: 77 Resp: 1080670

Ion Ratio Lower Upper

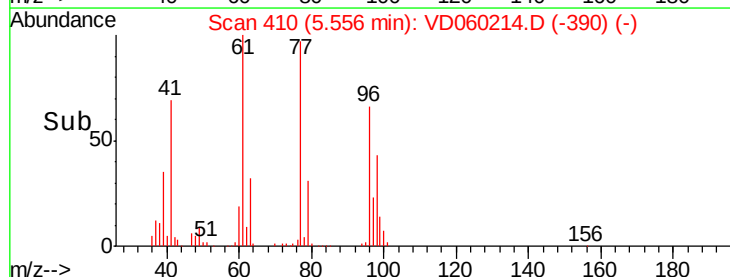
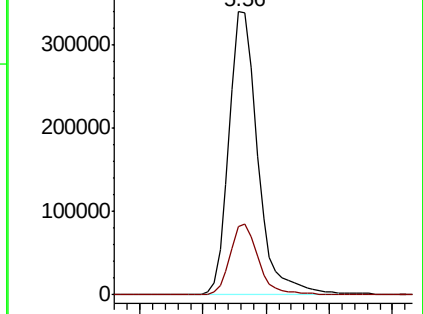
77 100

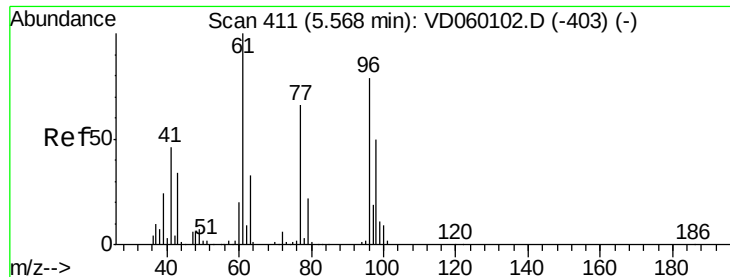
97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

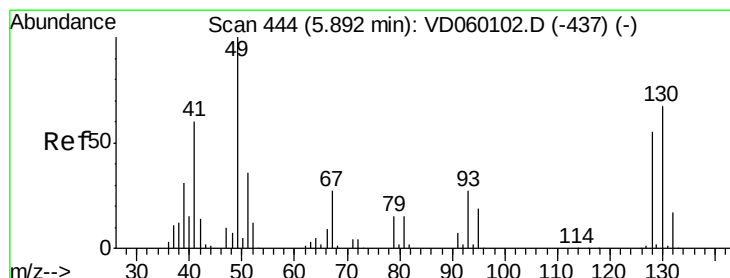
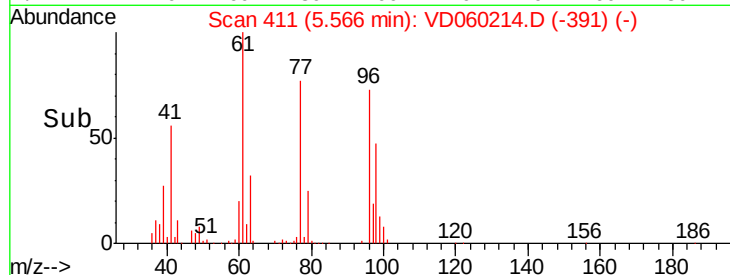
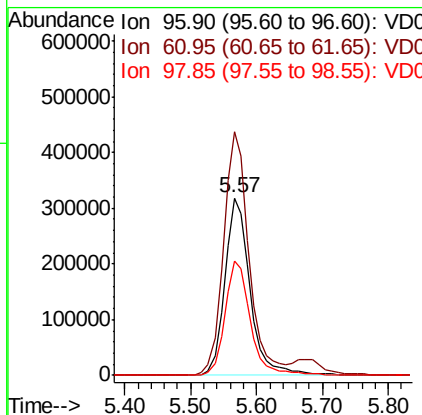
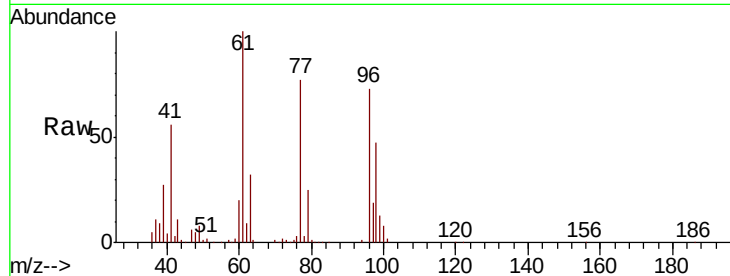
cis-1,2-Dichloroethene
Concen: 51.496 ug/l
RT: 5.57 min Scan# 411
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.2	0.0	251.8	
98	64.6	0.0	125.2	

Manual Integrations
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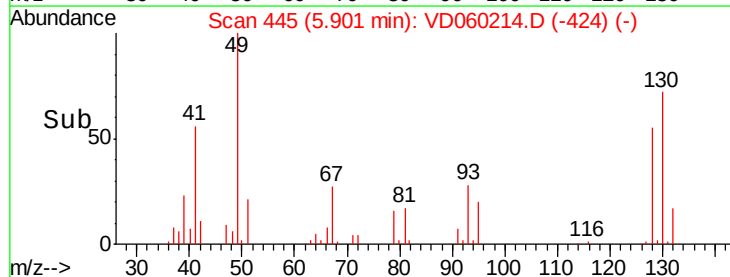
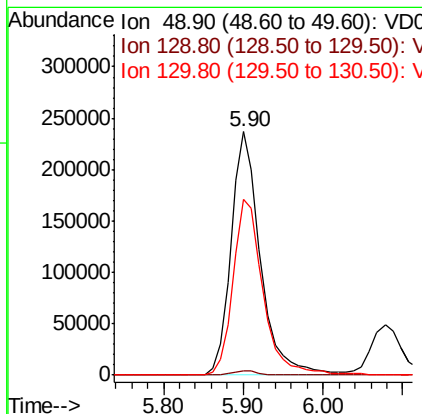
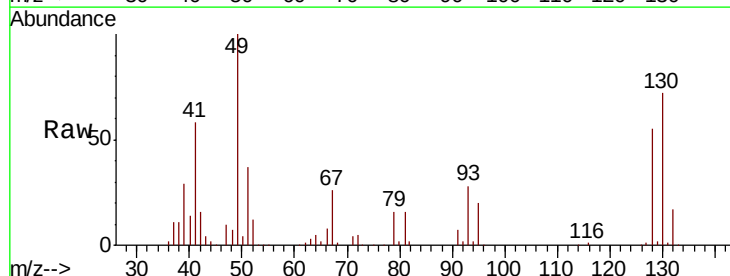
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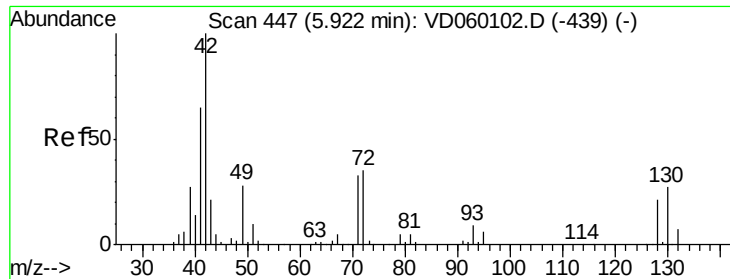


#28

Bromochloromethane
Concen: 49.211 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	72.3	53.9	80.9	





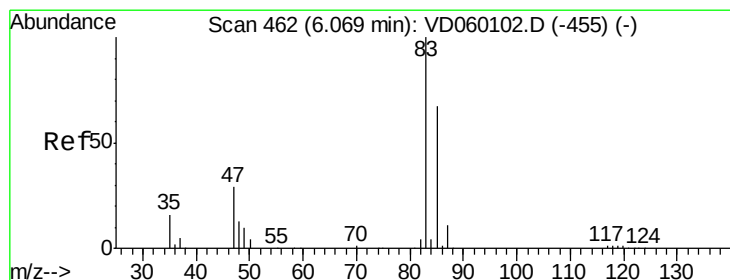
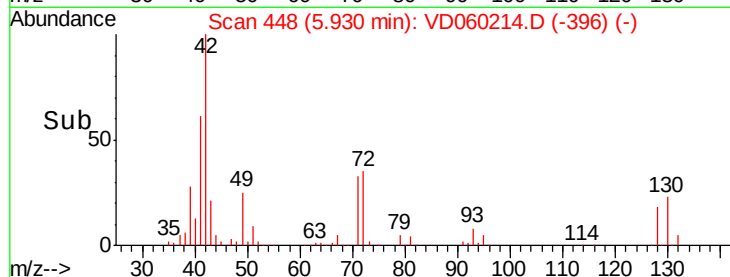
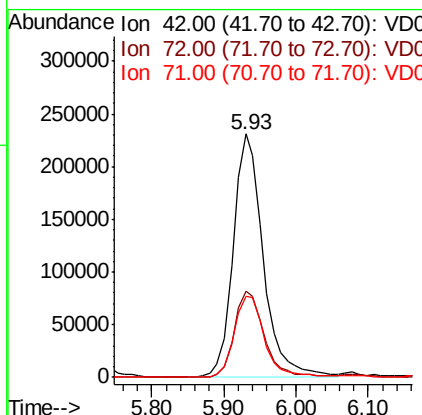
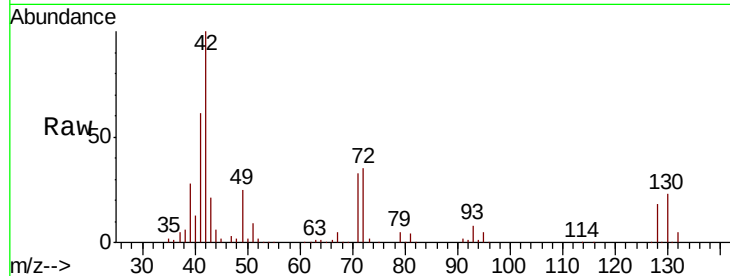
#29
Tetrahydrofuran
Concen: 227.219 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	26.9	40.3
71	33.8	26.7	40.1

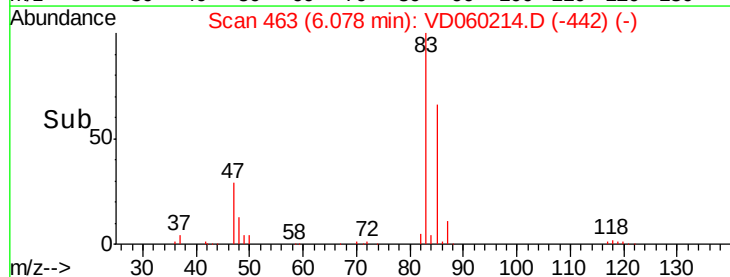
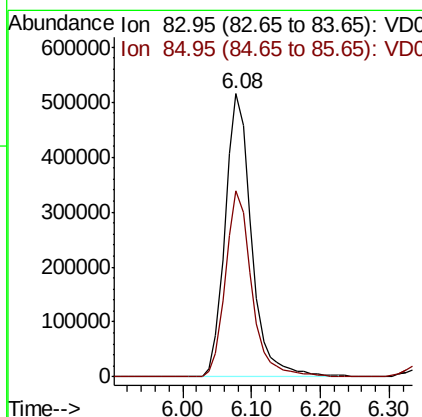
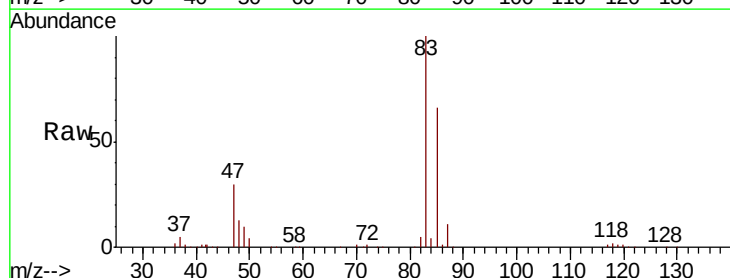
Manual Integrations
APPROVED

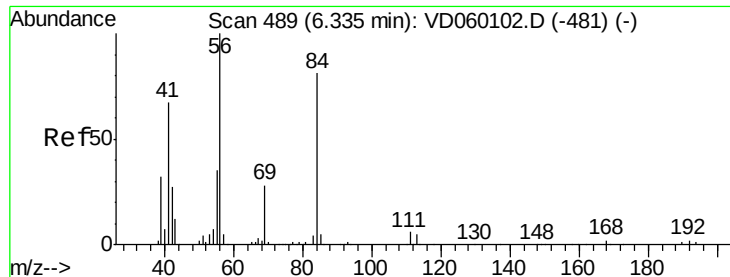
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#30
Chloroform
Concen: 53.355 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8





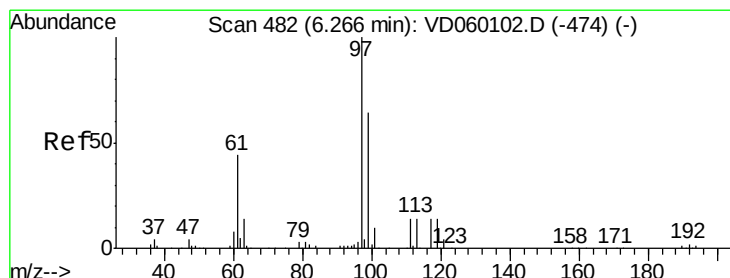
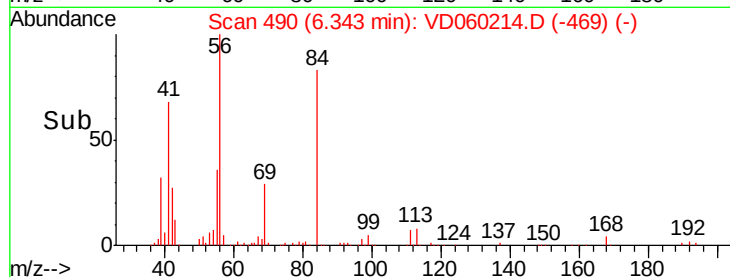
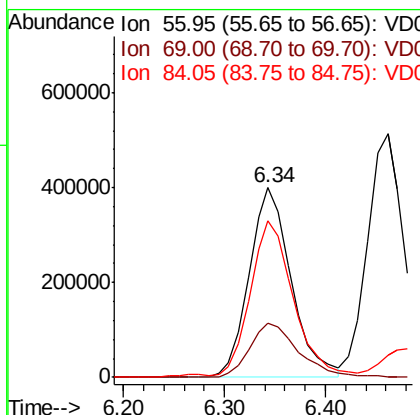
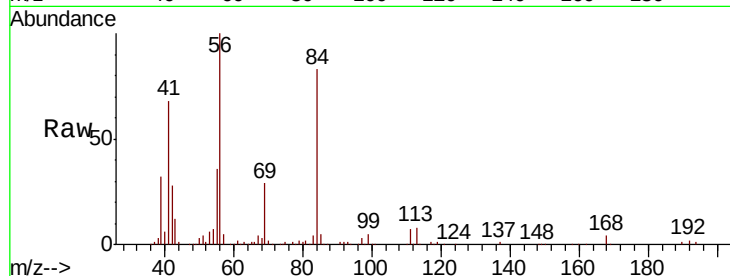
#31
Cyclohexane
Concen: 47.632 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1156104
Ion Ratio Lower Upper
56 100
69 28.5 22.8 34.2
84 83.0 64.9 97.3

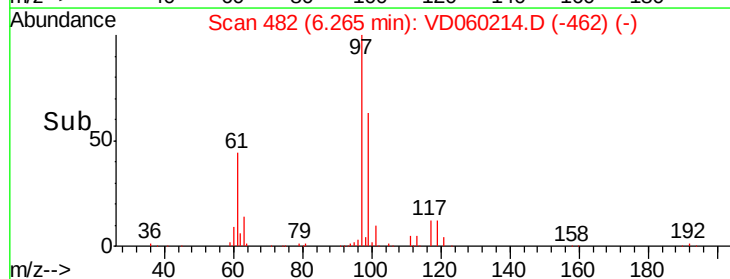
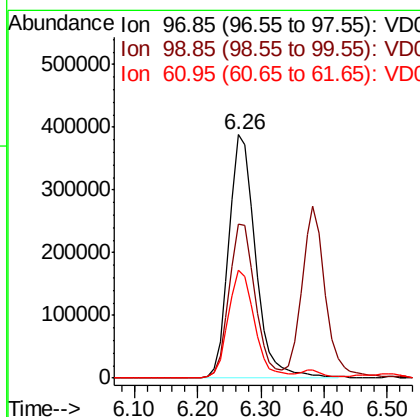
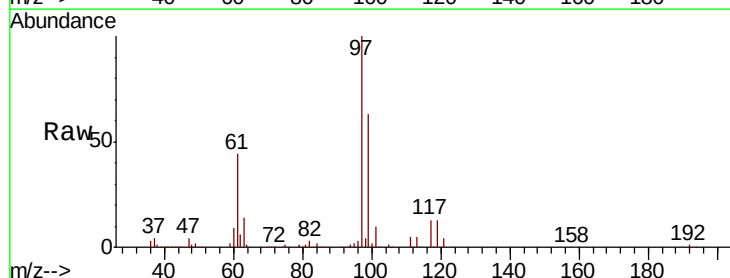
Manual Integrations
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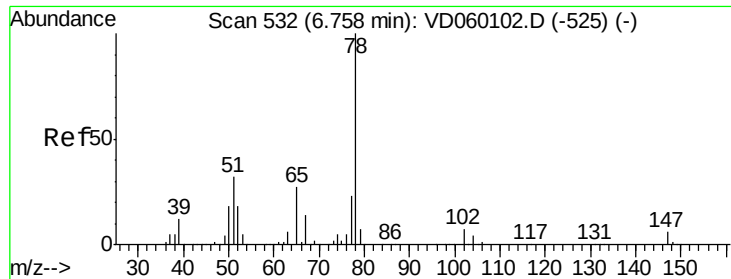
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#32
1,1,1-Trichloroethane
Concen: 54.009 ug/l
RT: 6.26 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 97 Resp: 1134884
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.0
61 44.1 35.5 53.3





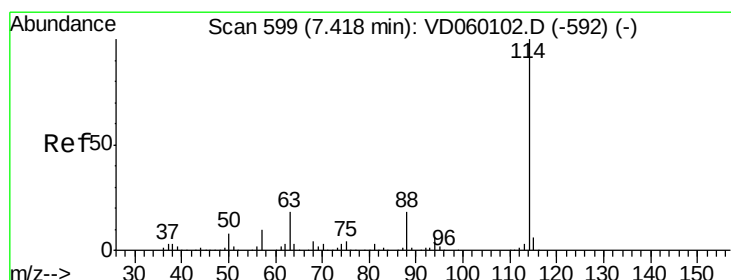
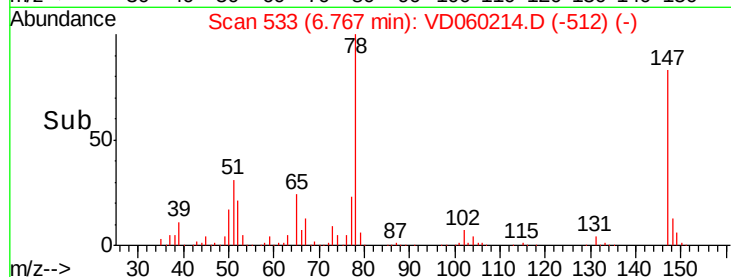
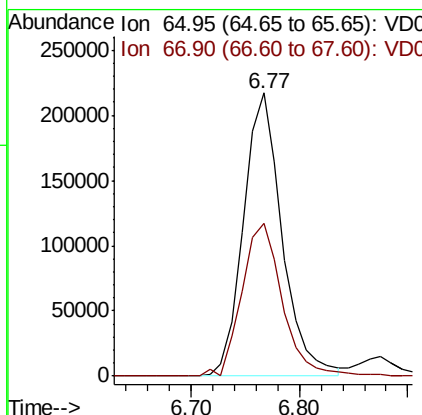
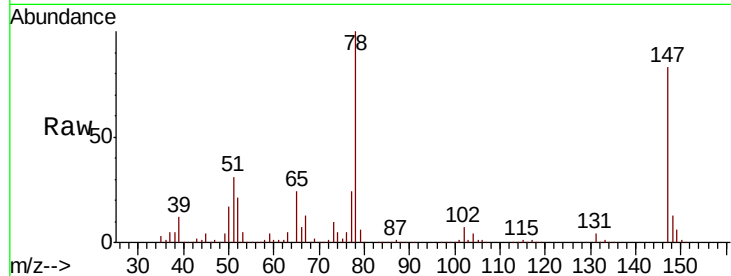
#33
 1,2-Dichloroethane-d4
 Concen: 54.009 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	106.2	

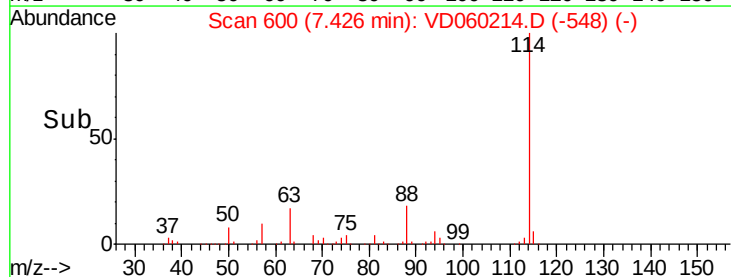
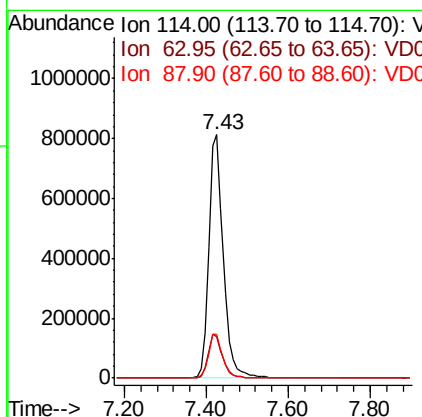
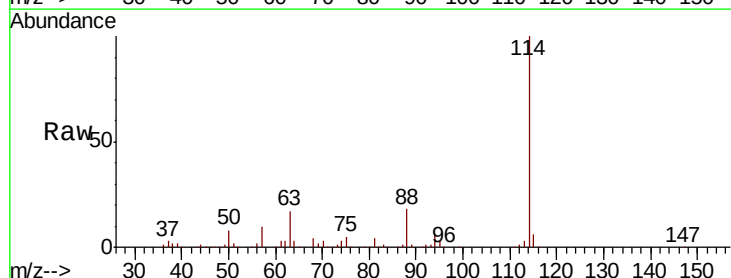
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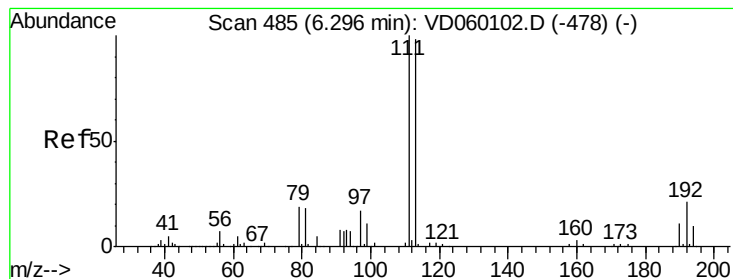
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.1	0.0	36.0	
88	17.9	0.0	36.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

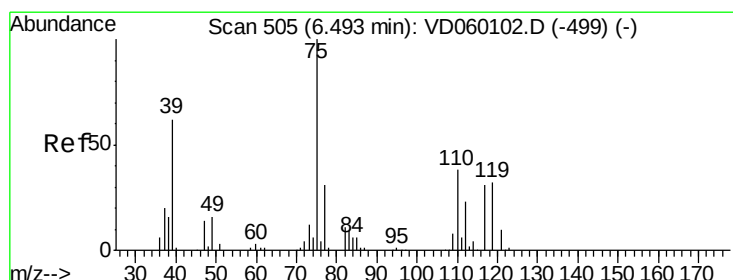
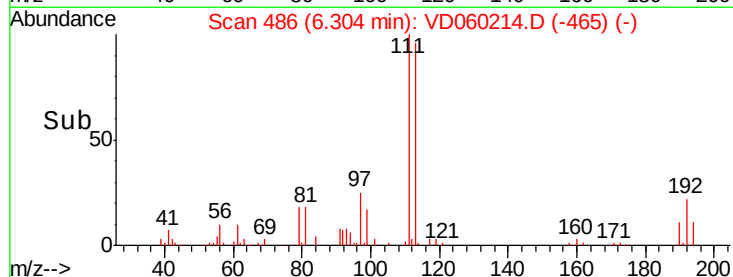
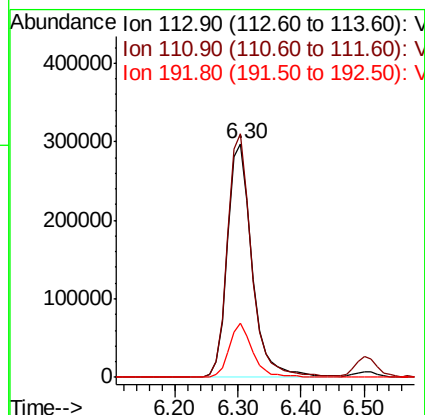
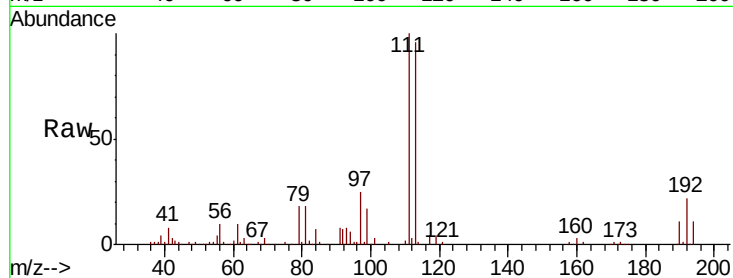
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.1	81.5	122.3	
192	23.2	17.4	26.0	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.090 ug/l

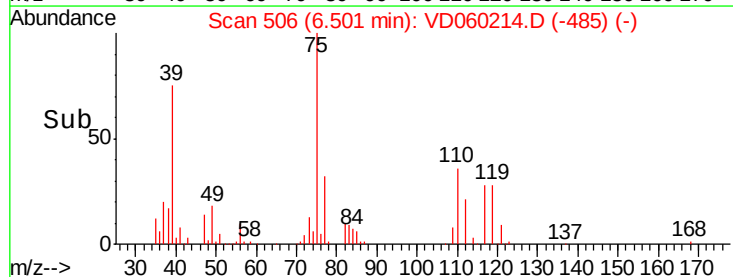
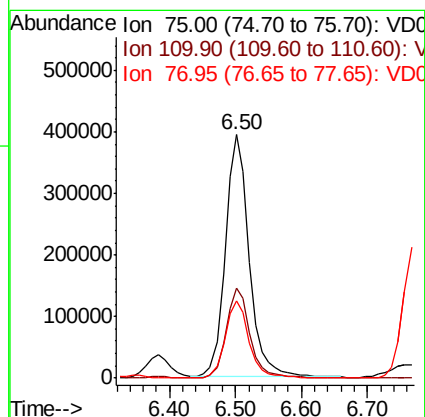
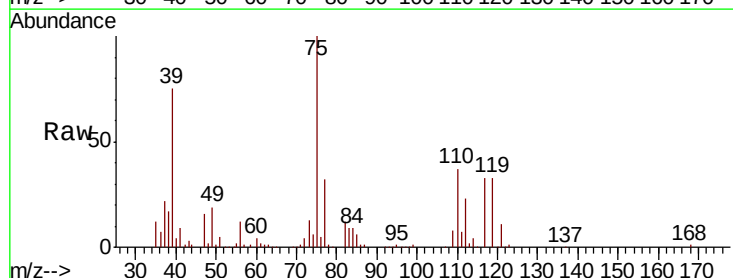
RT: 6.50 min Scan# 506

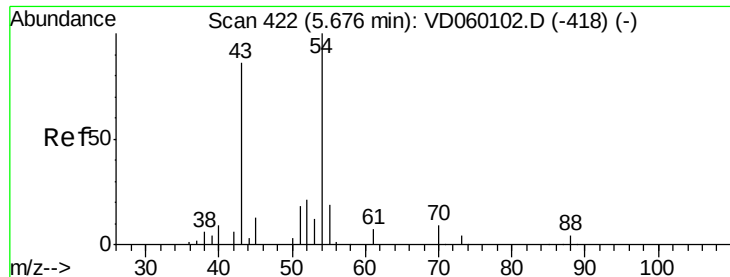
Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	19.0	57.0	
77	31.7	24.9	37.3	





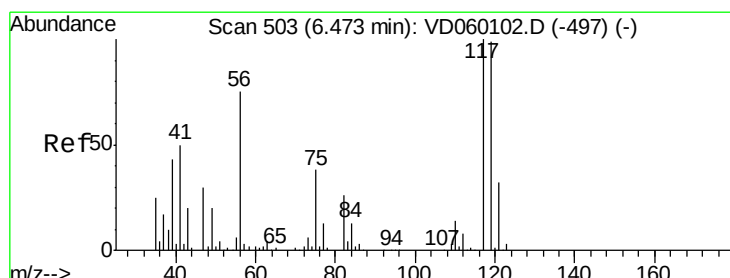
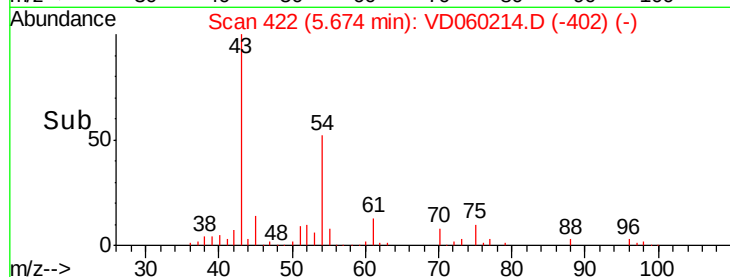
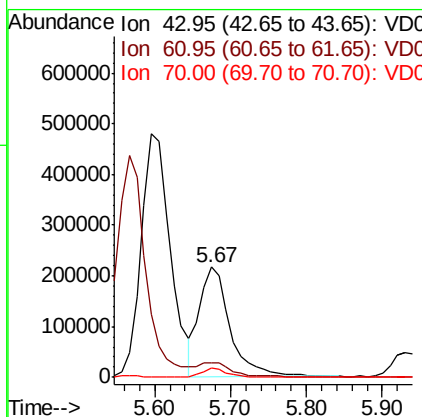
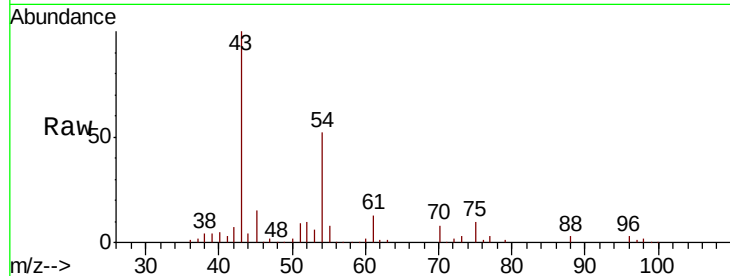
#37
Ethyl Acetate
Concen: 47.867 ug/l
RT: 5.67 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	8.2	6.3	9.5

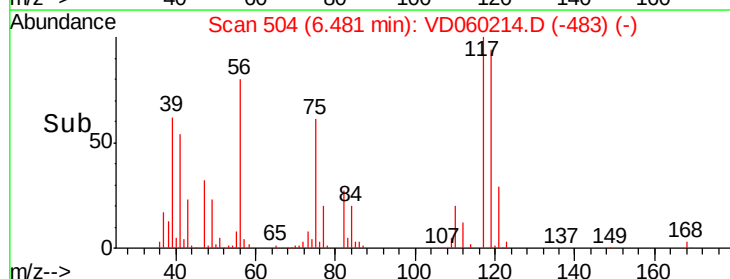
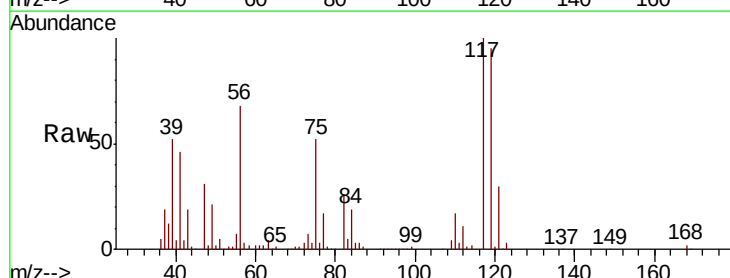
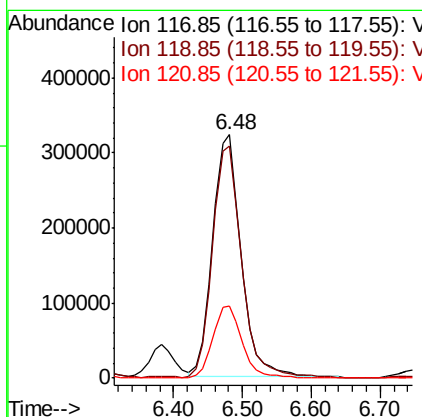
Manual Integrations
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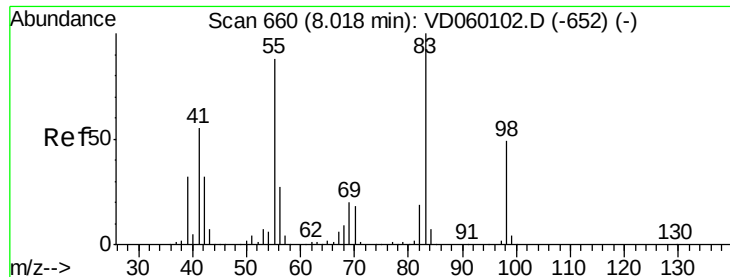
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#38
Carbon Tetrachloride
Concen: 53.612 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.6
121	29.7	24.8	37.2





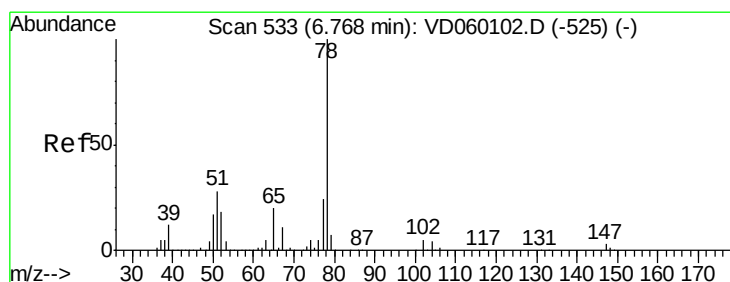
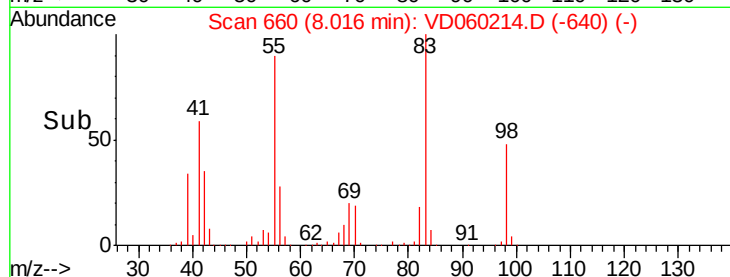
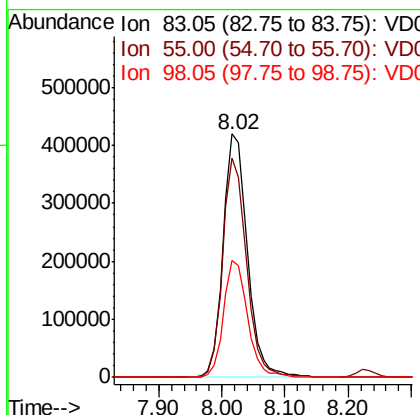
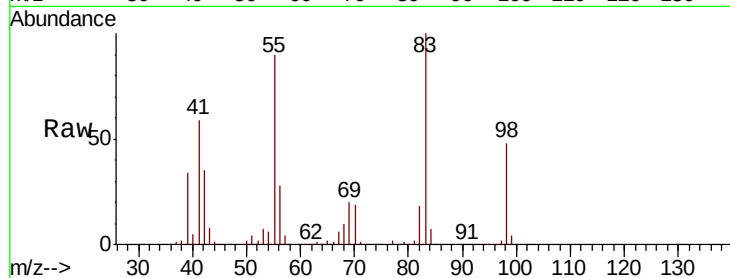
#39
Methylvlcyclohexane
Concen: 52.001 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1124988
Ion Ratio Lower Upper
83 100
55 90.2 70.5 105.7
98 48.0 39.4 59.2

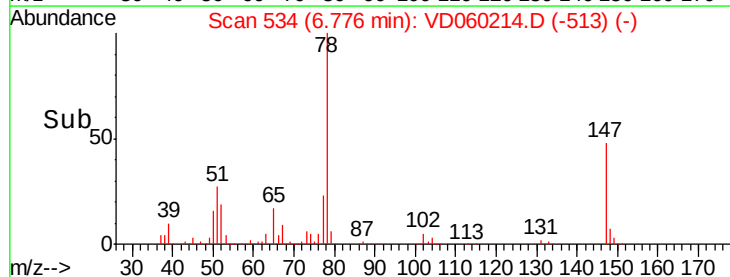
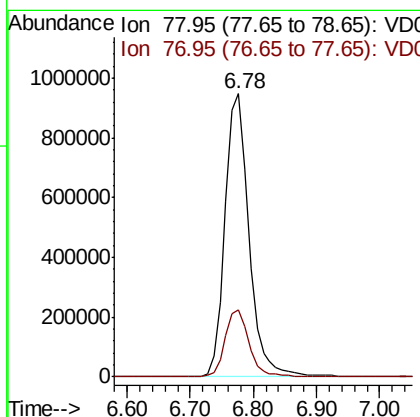
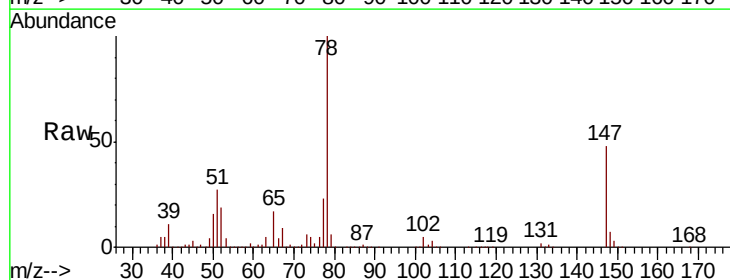
Manual Integrations
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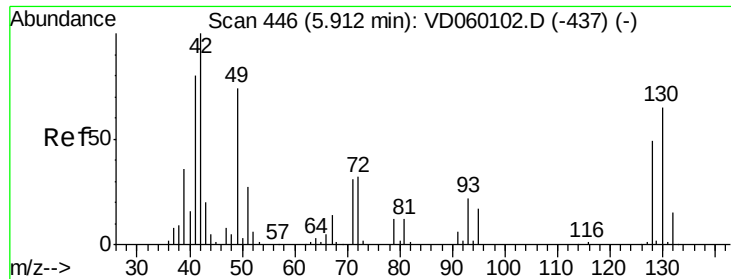
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#40
Benzene
Concen: 50.348 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 78 Resp: 2507961
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





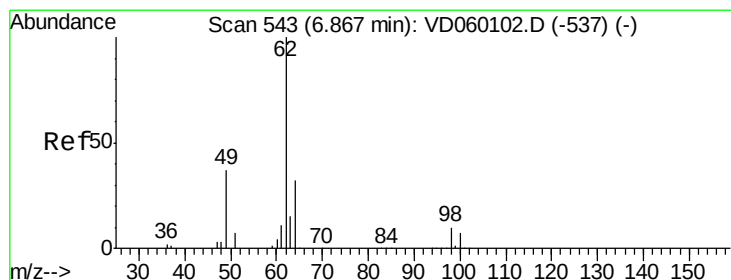
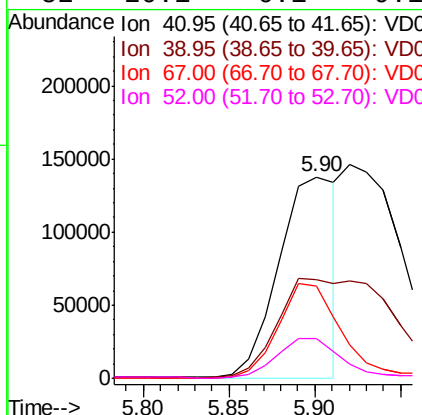
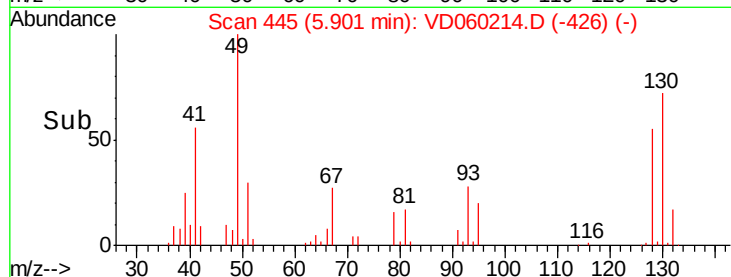
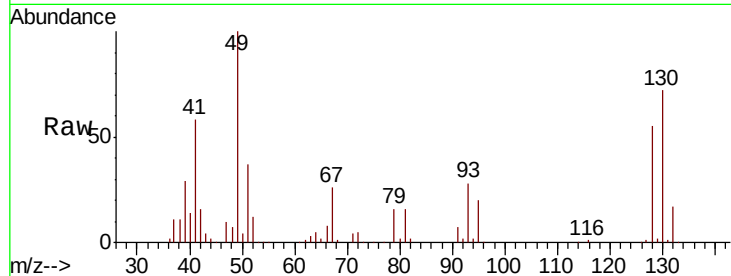
#41
Methacrylonitrile
Concen: 45.539 ug/l m
RT: 5.90 min Scan# 445
Delta R.T. -0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.4	36.0	54.0
67	45.6	13.9	20.9
52	20.1	6.1	9.1

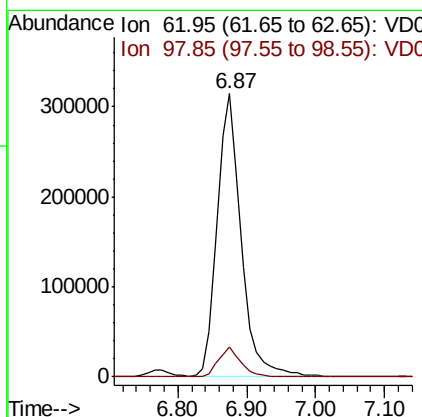
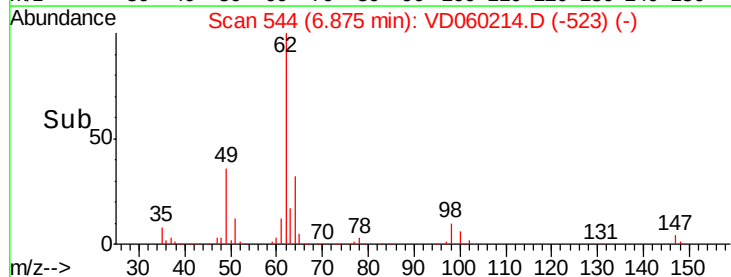
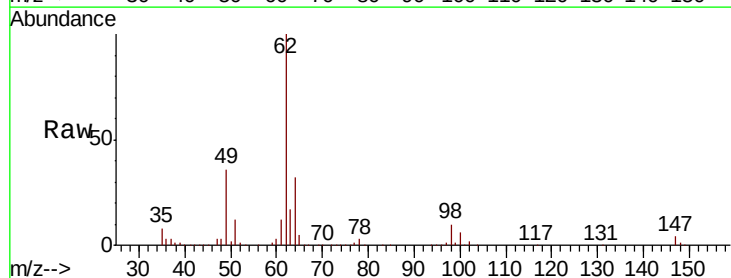
Manual Integrations
APPROVED

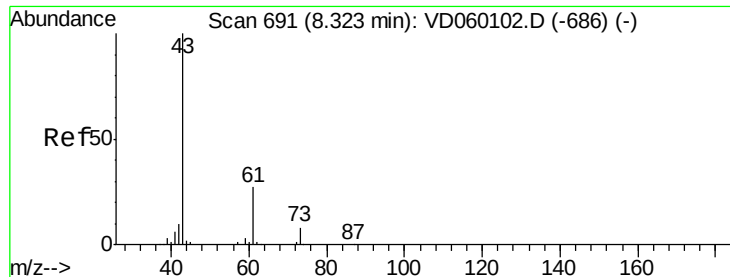
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#42
1,2-Dichloroethane
Concen: 52.883 ug/l
RT: 6.87 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 47.789 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

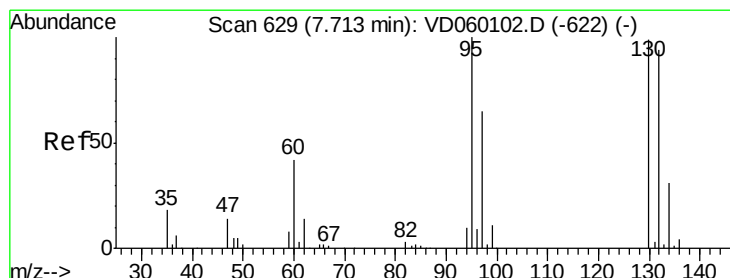
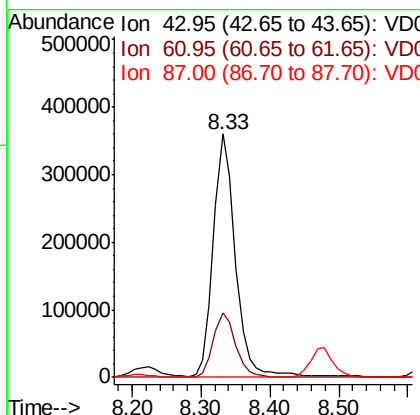
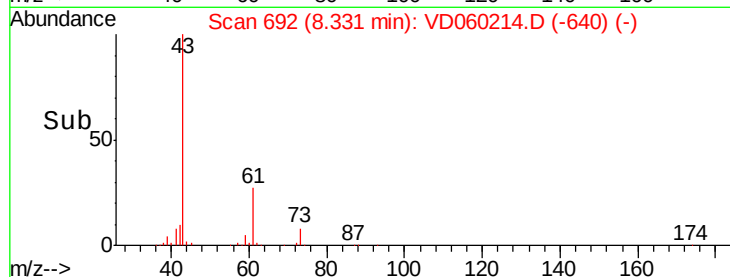
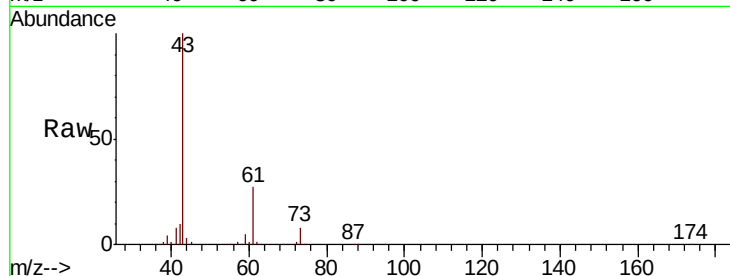
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	794595
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.4	32.2
87	0.3	0.2	0.2#

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#44

Trichloroethene

Concen: 51.987 ug/l

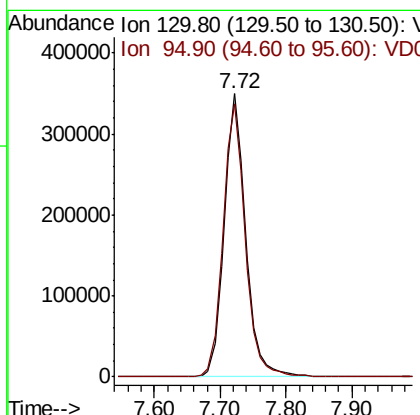
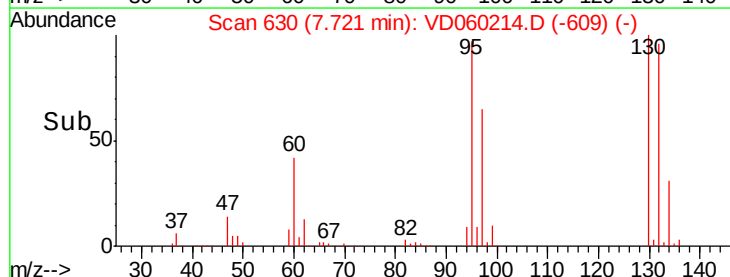
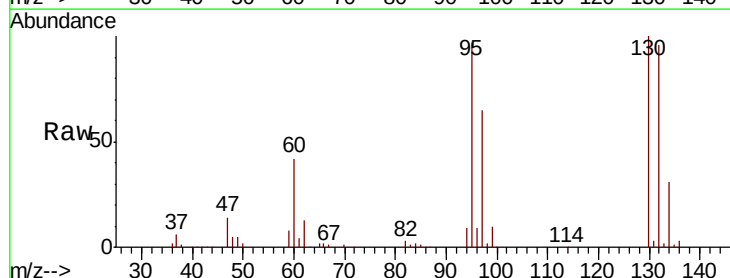
RT: 7.72 min Scan# 630

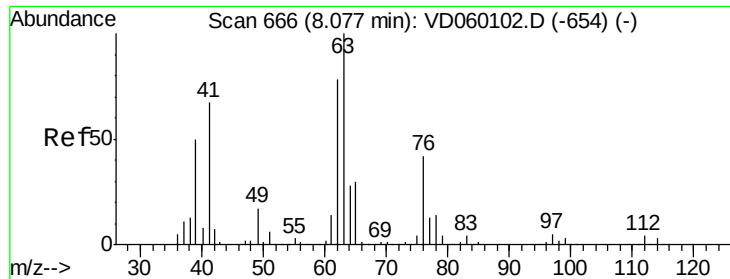
Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	130	Resp:	801630
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	202.2





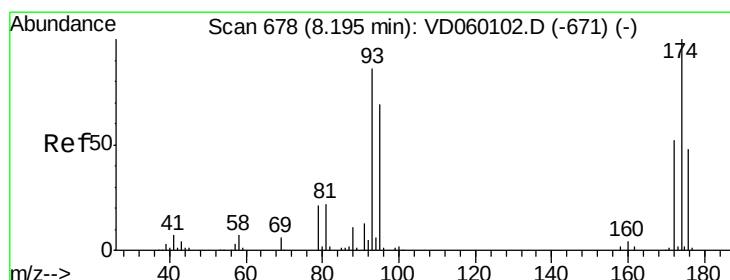
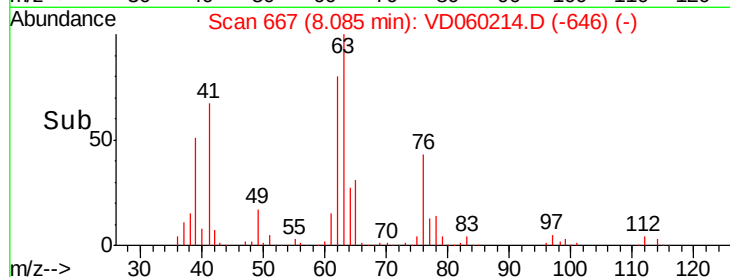
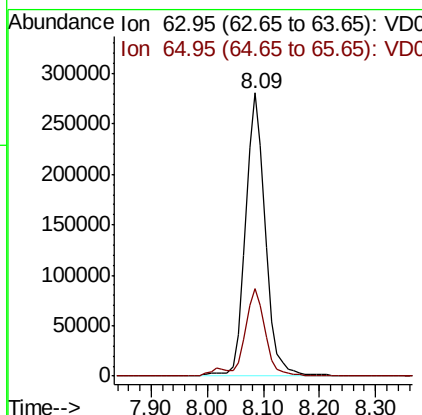
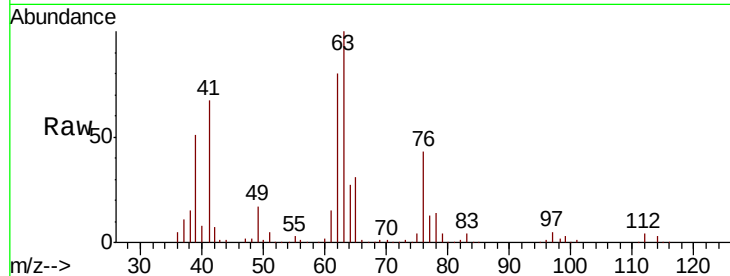
#45
 1,2-Dichloropropane
 Concen: 52.575 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 685738
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.1 36.1

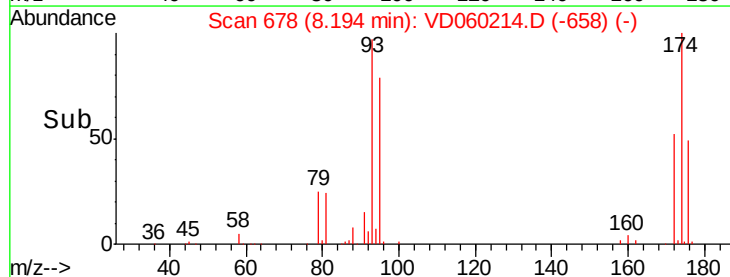
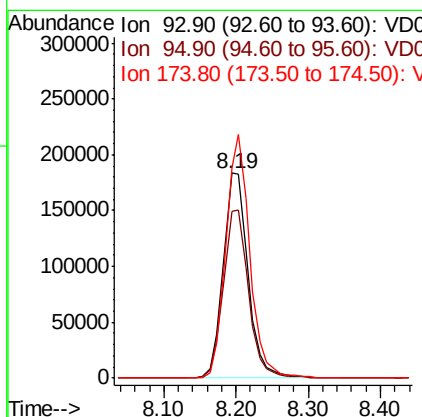
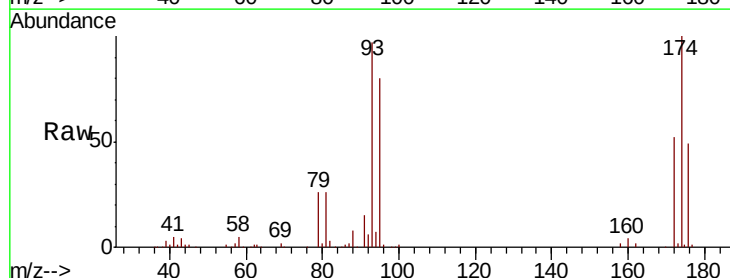
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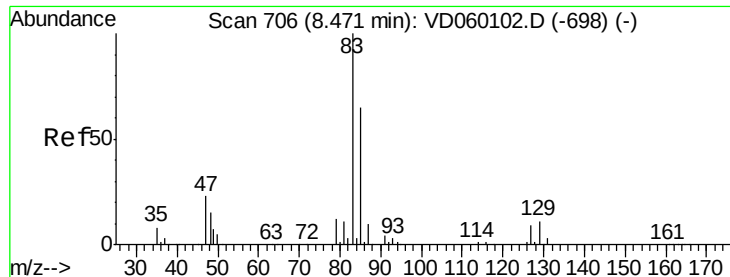
apatel
 10/29/2018 12:15:13 PM



#46
 Dibromomethane
 Concen: 51.770 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 93 Resp: 437163
 Ion Ratio Lower Upper
 93 100
 95 81.6 63.8 95.6
 174 102.6 92.9 139.3





#47

Bromodichloromethane

Concen: 54.990 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

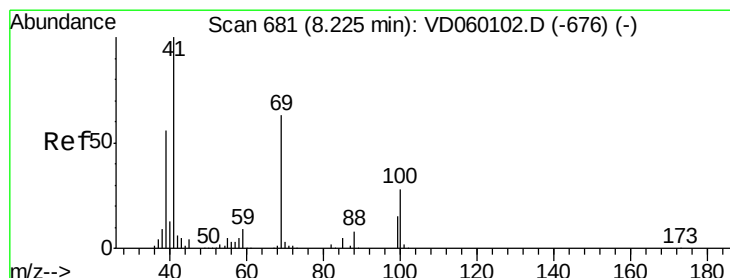
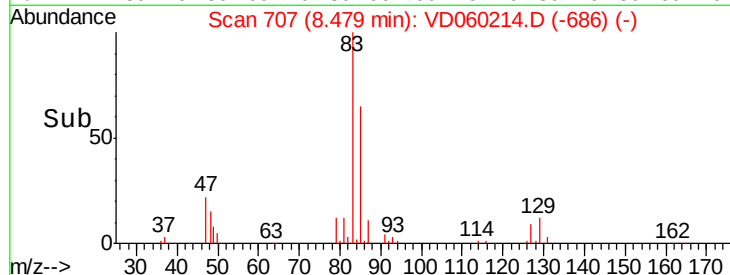
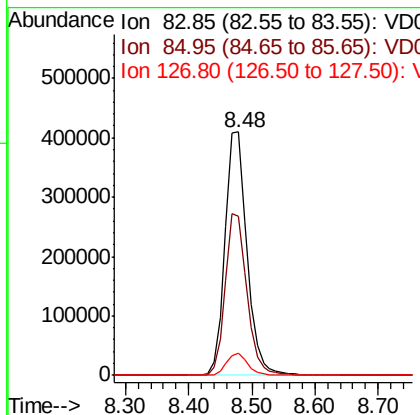
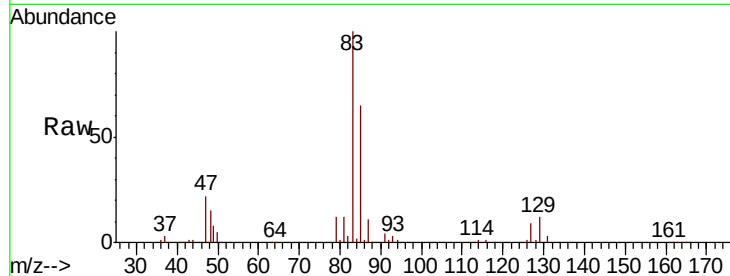
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	989405
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.2	78.2
127	9.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.909 ug/l

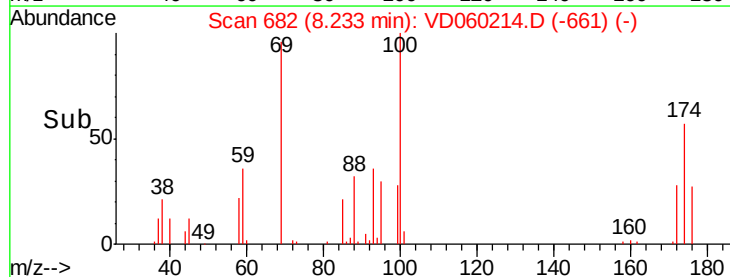
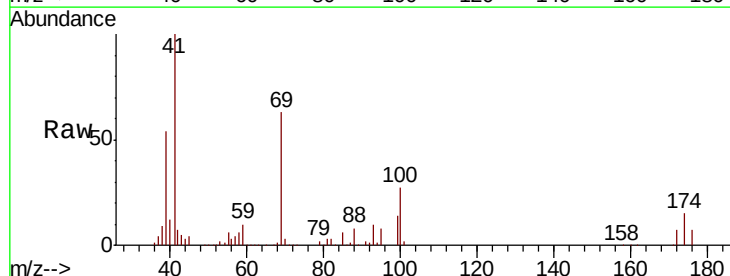
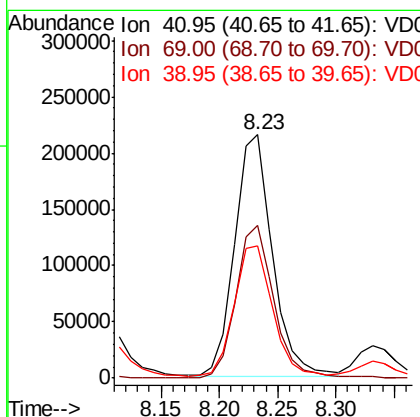
RT: 8.23 min Scan# 682

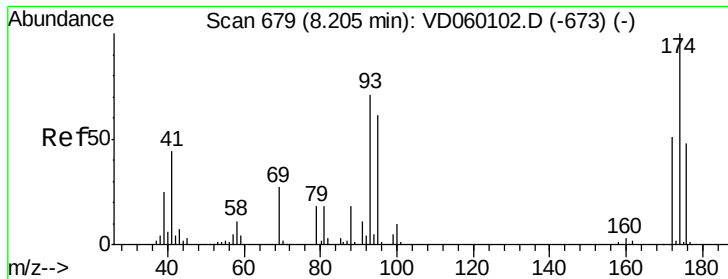
Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	41	Resp:	482165
Ion Ratio	Lower	Upper	
41	100		
69	62.9	49.7	74.5
39	54.2	45.2	67.8





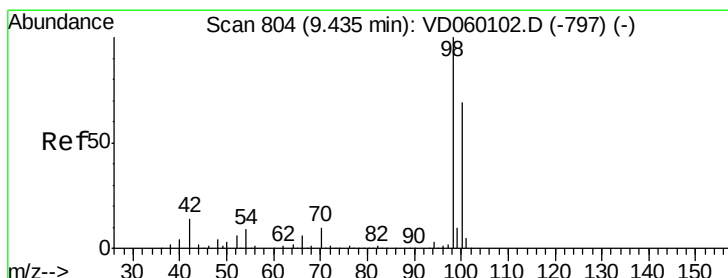
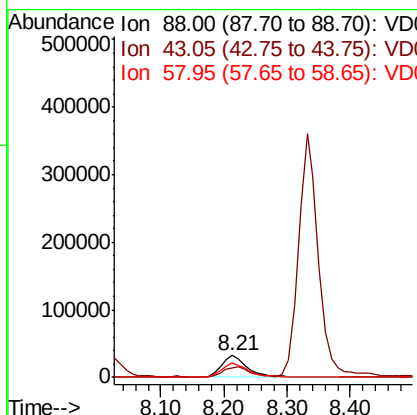
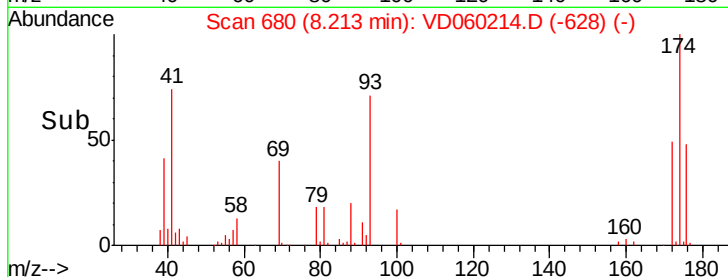
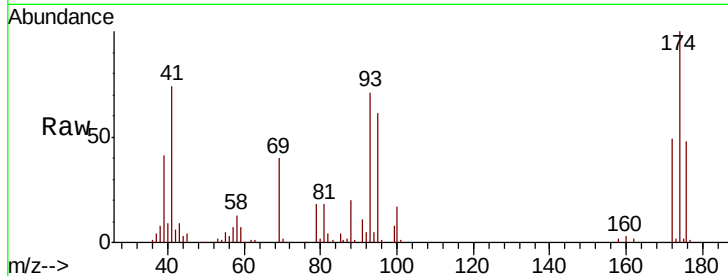
#49
1,4-Dioxane
Concen: 1009.944 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.9	33.7	50.5
58	63.2	49.1	73.7

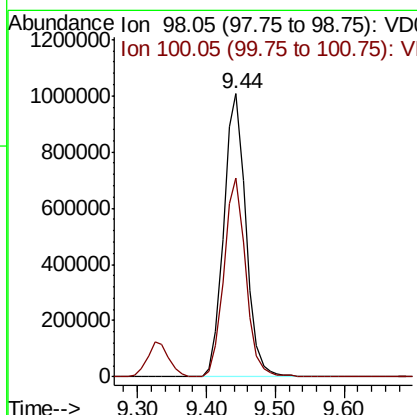
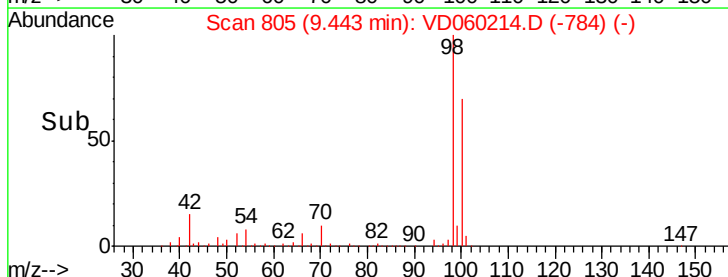
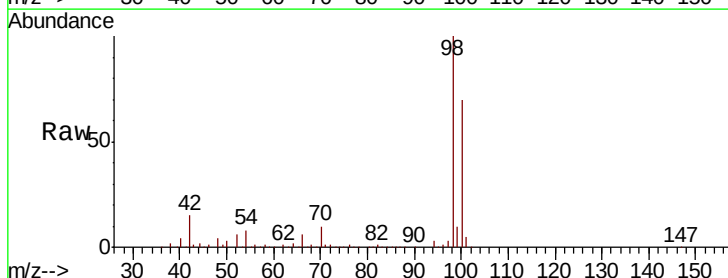
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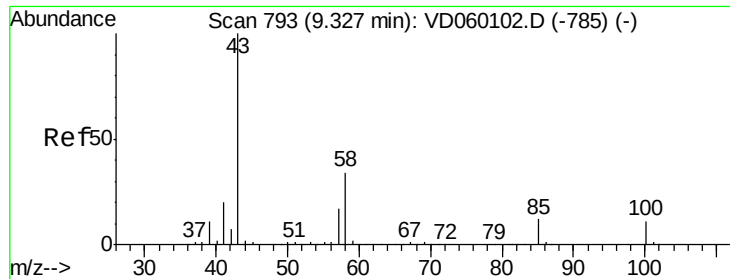
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#50
Toluene-d8
Concen: 1009.944 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 252.985 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2653097

Ion Ratio Lower Upper

43 100

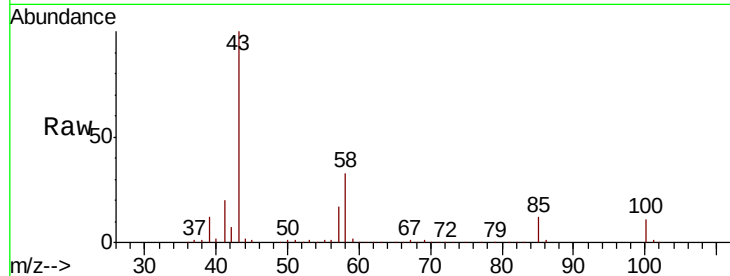
58 33.0 27.2 40.8

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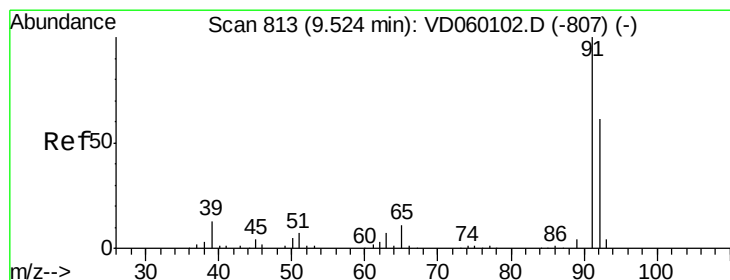
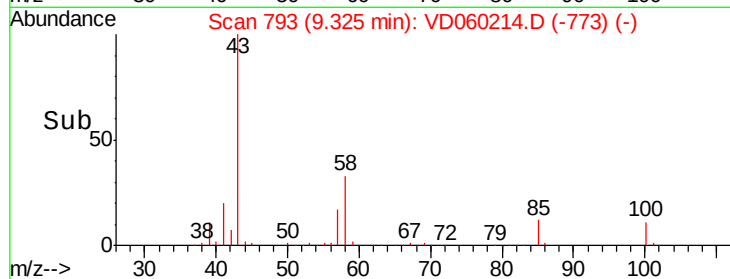
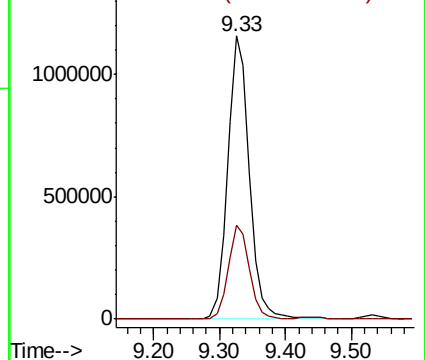
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.179 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060214.D

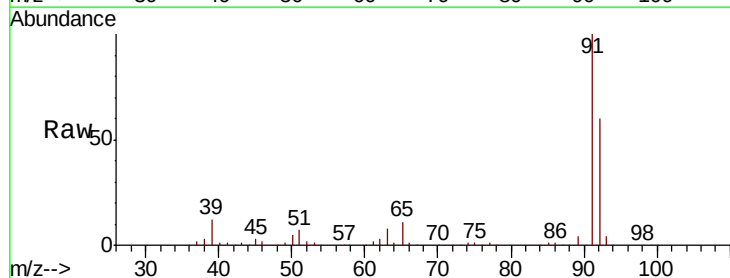
Acq: 26 Oct 2018 13:51

Tgt Ion: 92 Resp: 1673949

Ion Ratio Lower Upper

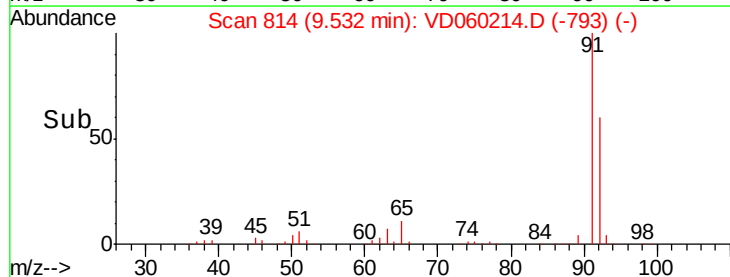
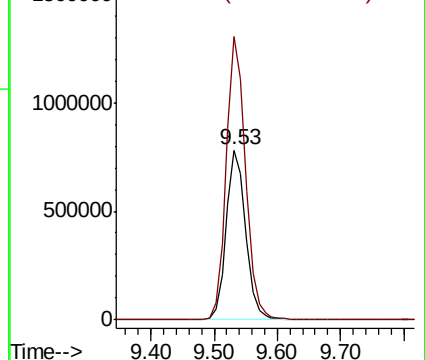
92 100

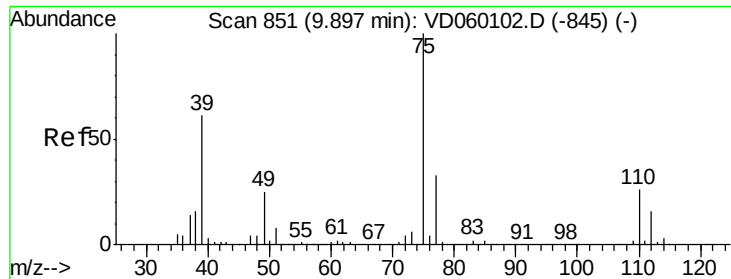
91 166.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.921 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tot Ion: 75 Resp: 877854

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

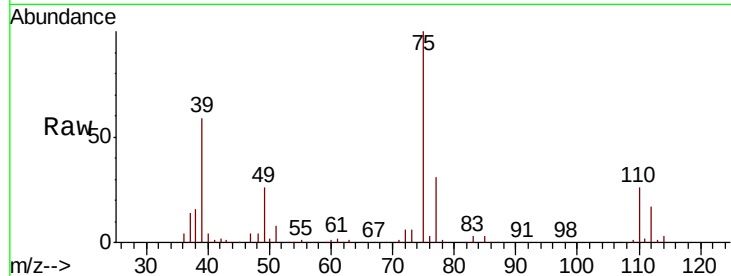
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

400000

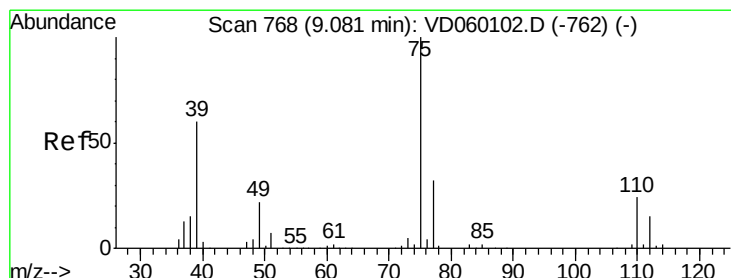
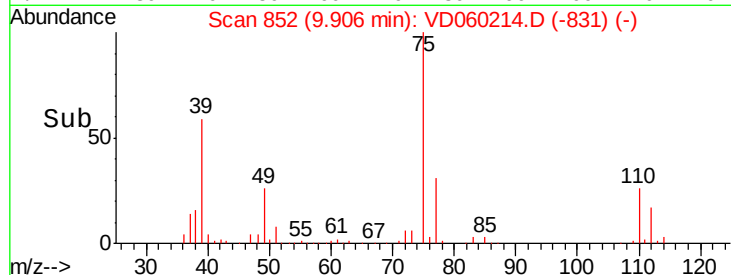
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.562 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

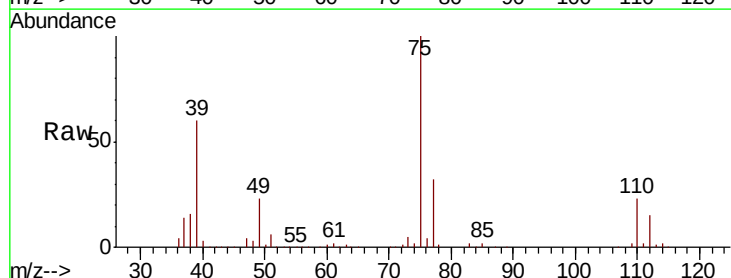
Tgt Ion: 75 Resp: 1096919

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 60.2 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

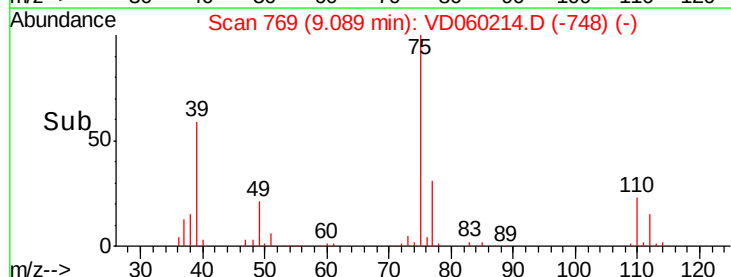
600000

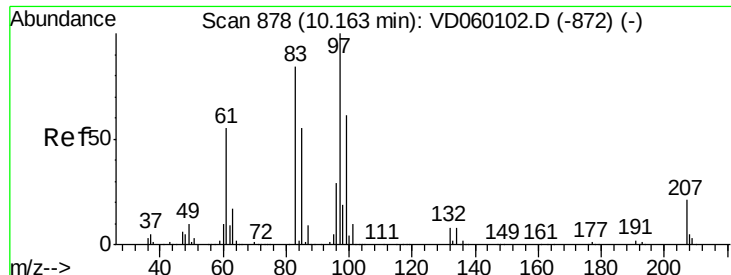
400000

200000

0

Time-->





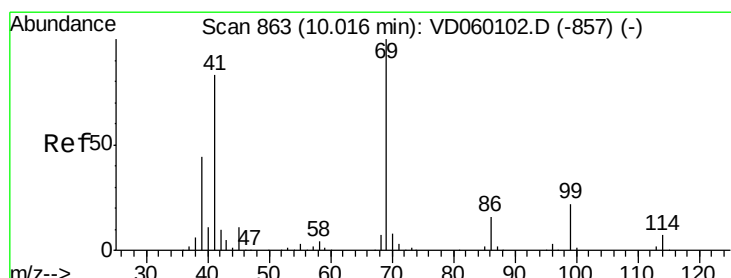
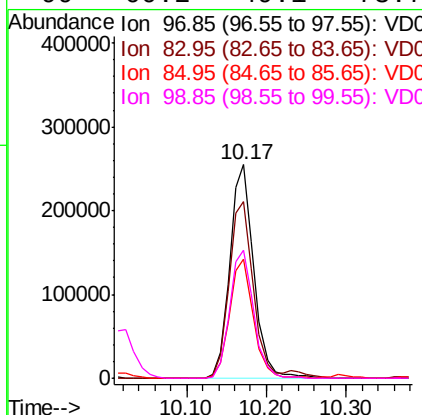
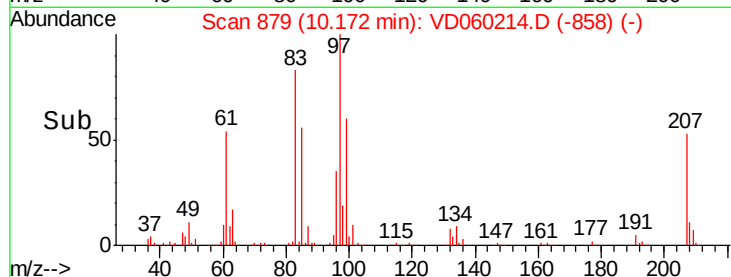
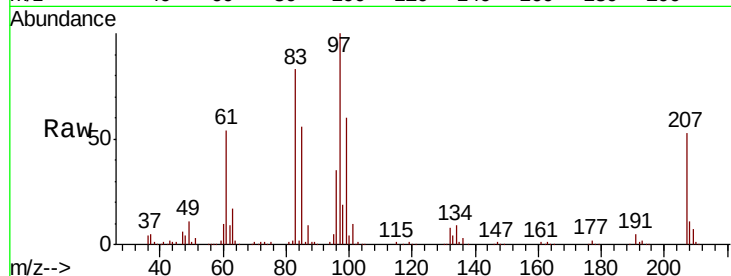
#55
 1,1,2-Trichloroethane
 Concen: 51.160 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	536555
Ion Ratio	Lower	Upper	
97	100		
83	82.7	67.0	100.6
85	56.0	43.9	65.9
99	60.2	49.1	73.7

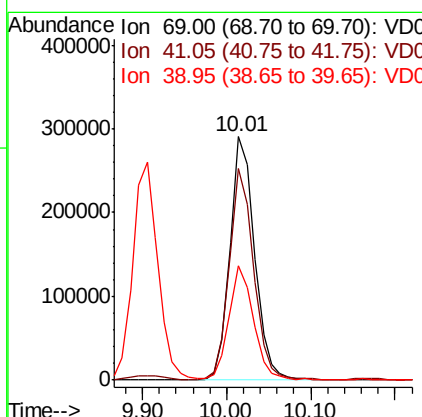
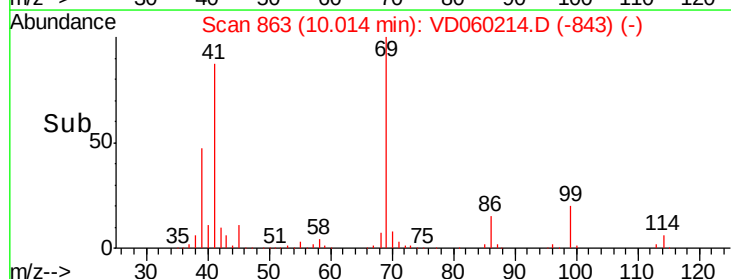
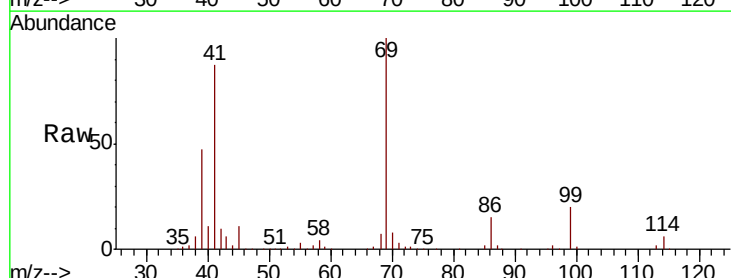
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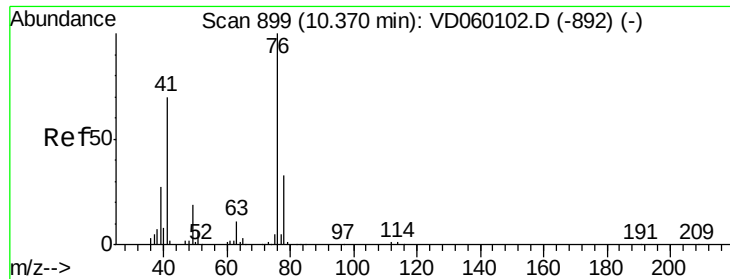
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#56
 Ethyl methacrylate
 Concen: 51.307 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion:	69	Resp:	593987
Ion Ratio	Lower	Upper	
69	100		
41	86.9	66.6	100.0
39	47.0	36.0	54.0





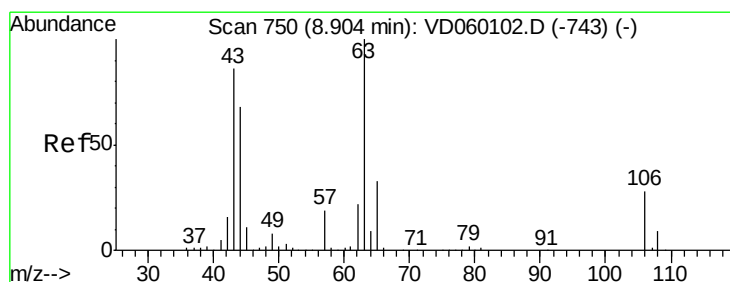
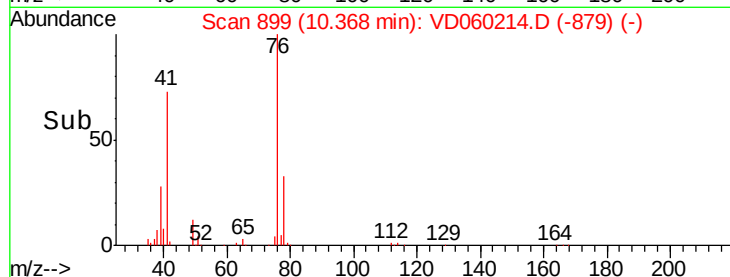
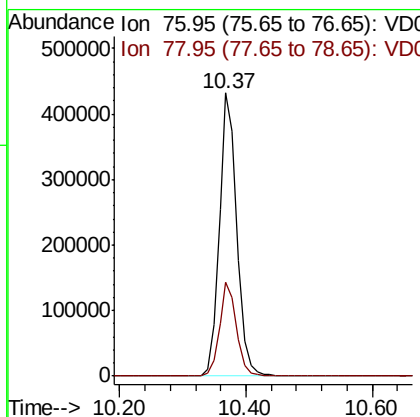
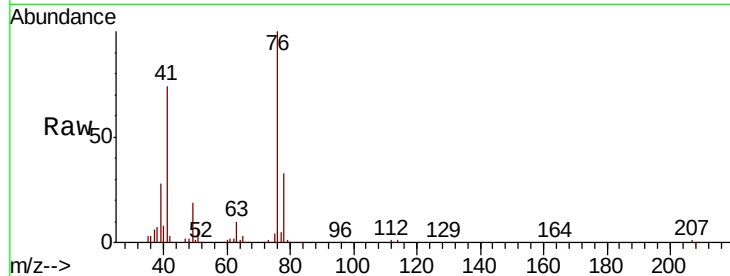
#57
 1,3-Dichloropropane
 Concen: 52.370 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 837676
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2

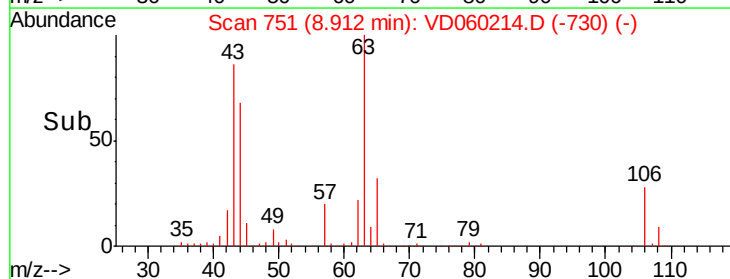
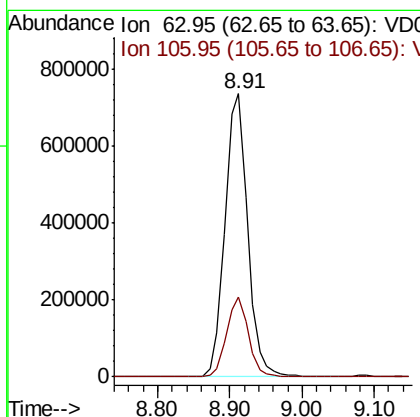
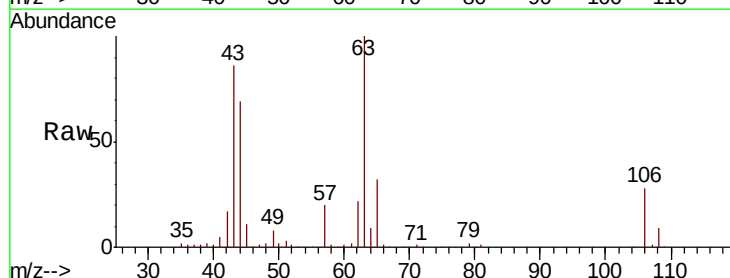
Manual Integrations
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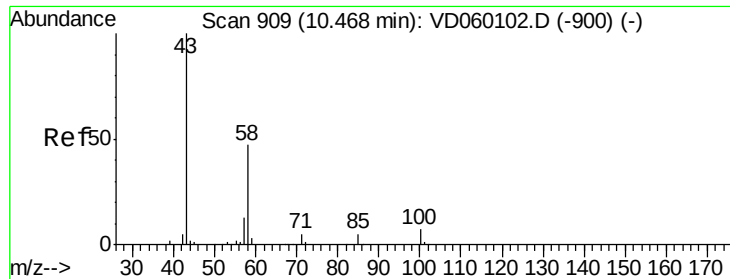
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 249.599 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 63 Resp: 1604623
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.6 34.0





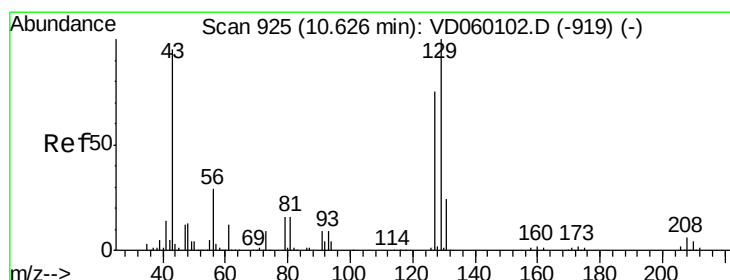
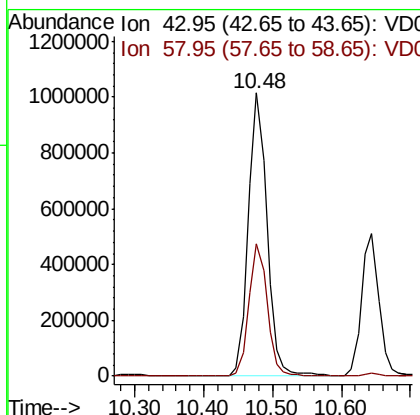
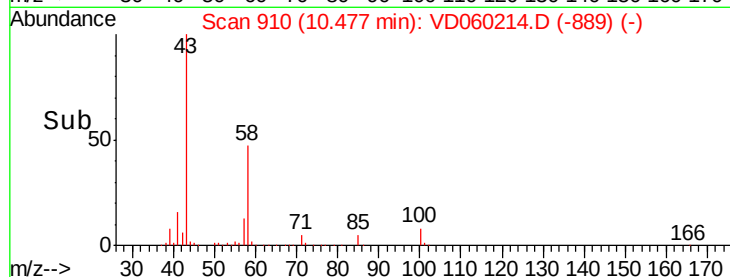
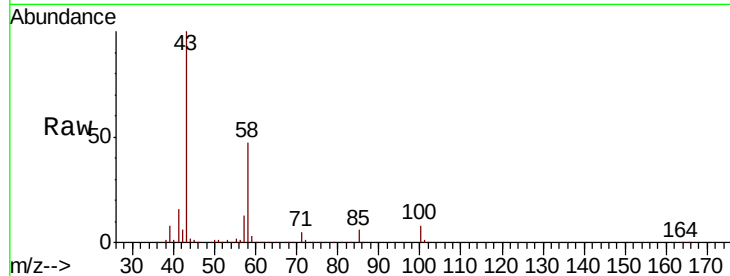
#59
2-Hexanone
Concen: 253.993 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1915392
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9

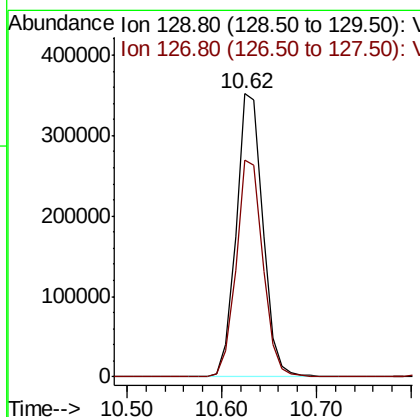
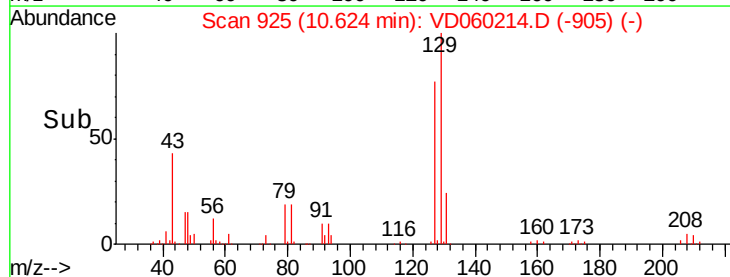
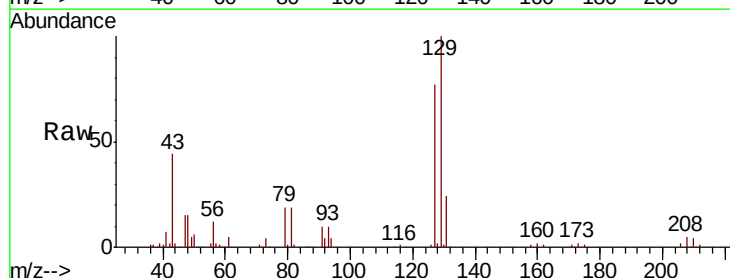
Manual Integrations
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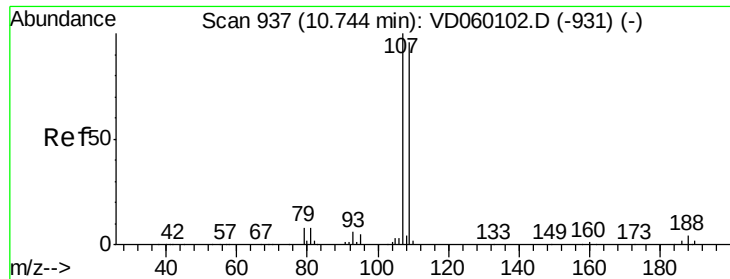
apatel
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#60
Dibromochloromethane
Concen: 53.420 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 129 Resp: 687404
Ion Ratio Lower Upper
129 100
127 76.6 37.4 112.2





#61

1,2-Dibromoethane

Concen: 50.517 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 562939

Ion Ratio Lower Upper

107 100

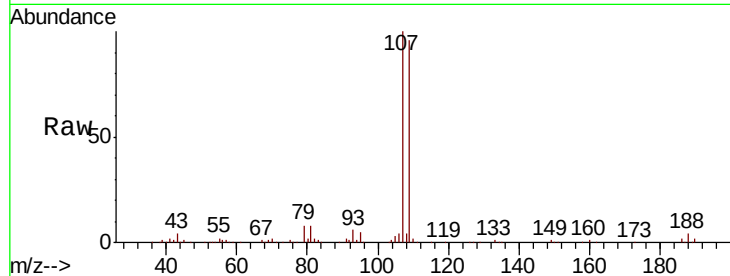
109 96.2 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

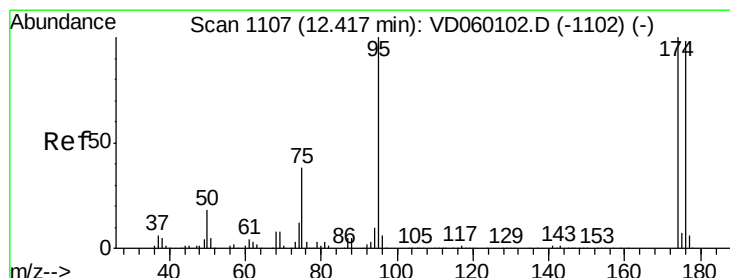
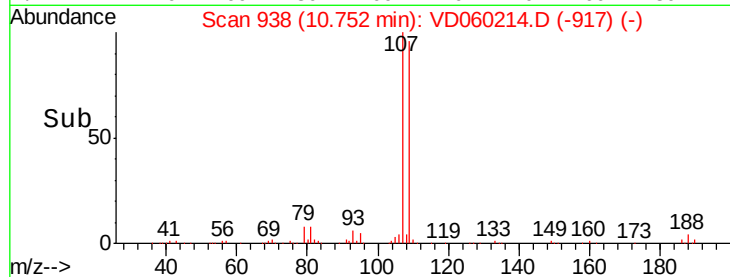
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.517 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

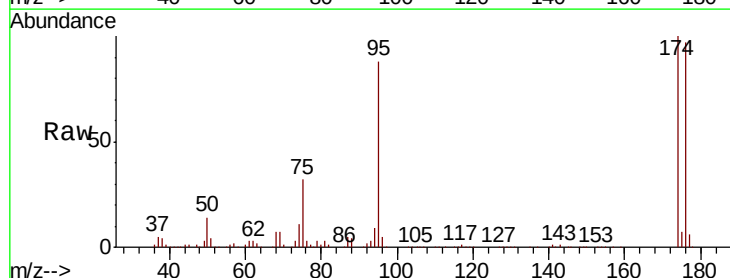
Tgt Ion: 95 Resp: 844780

Ion Ratio Lower Upper

95 100

174 113.8 0.0 200.2

176 110.0 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

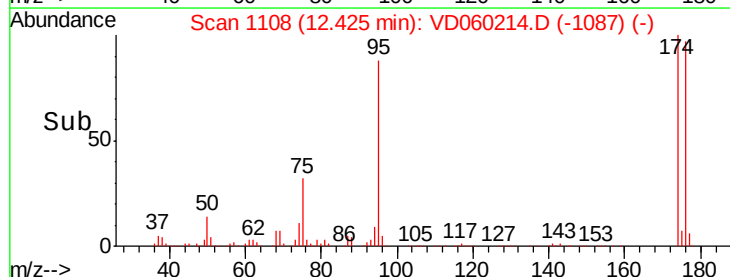
600000

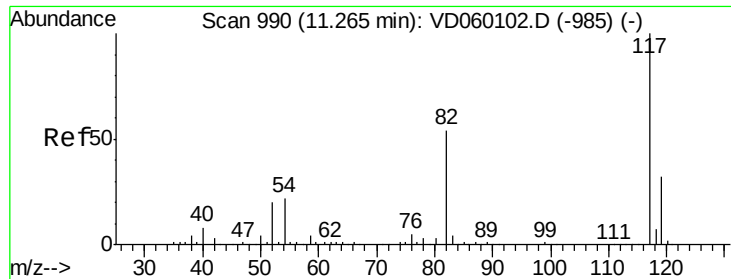
400000

200000

0

Time-->





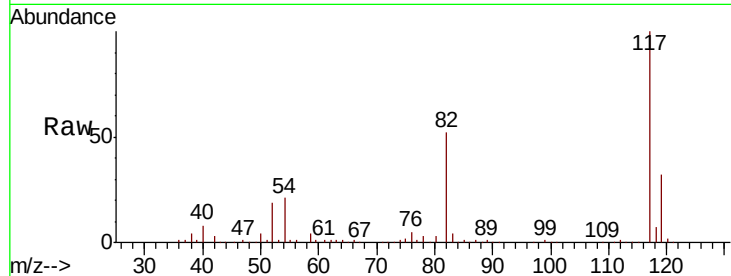
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

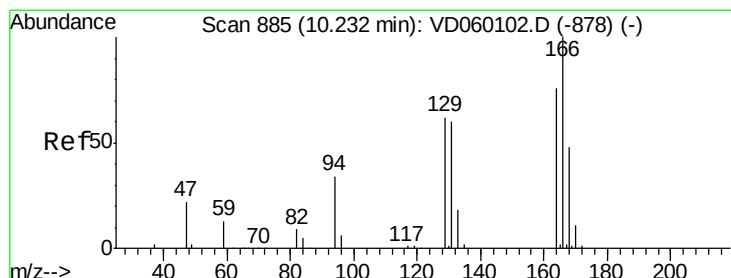
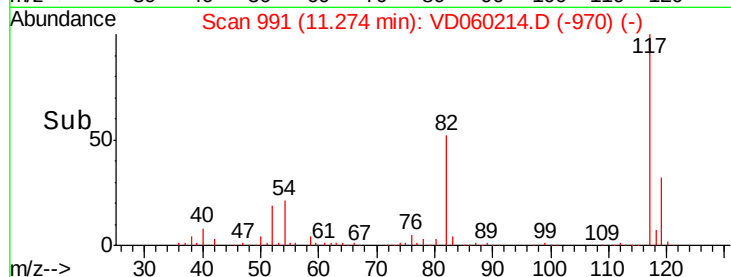
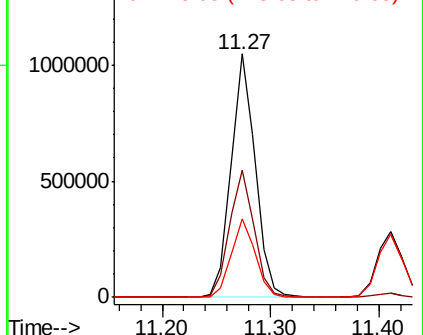
Tot Ion:117 Resp: 1632634
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.2
119 32.1 26.0 39.0

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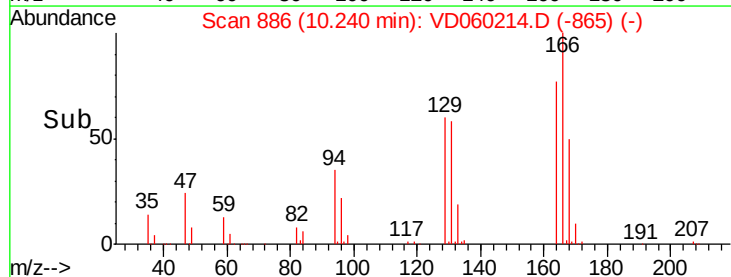
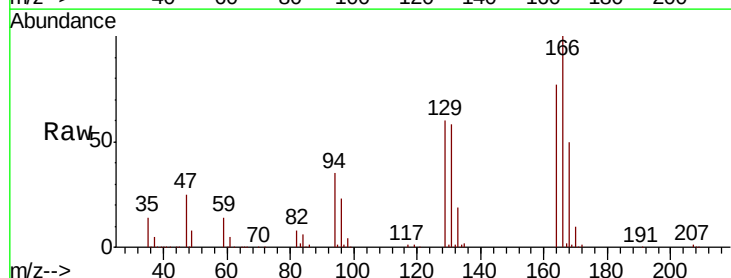
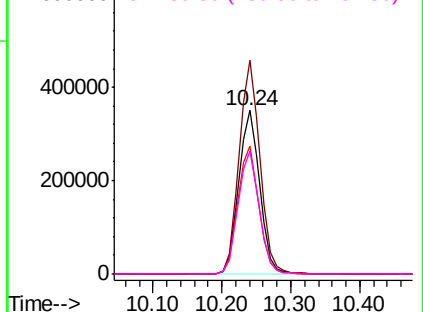
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

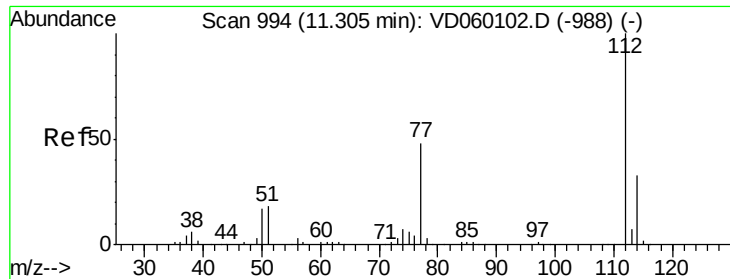


#64
Tetrachloroethene
Concen: 51.618 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:164 Resp: 738116
Ion Ratio Lower Upper
164 100
166 130.5 105.4 158.0
129 78.5 65.7 98.5
131 75.5 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.528 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1819957

Ion Ratio Lower Upper

112 100

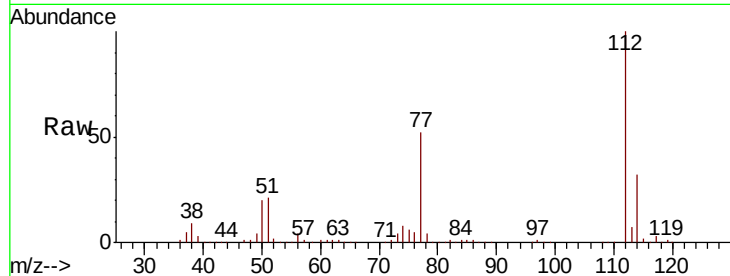
114 32.3 26.0 39.0

Manual Integrations

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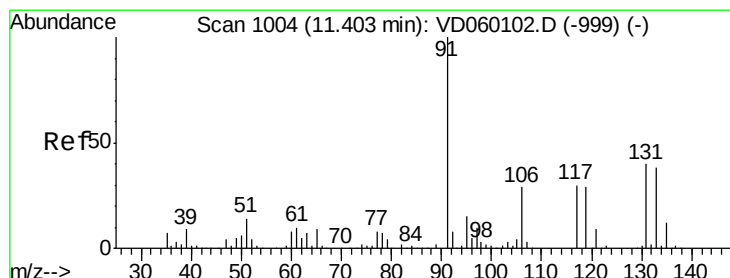
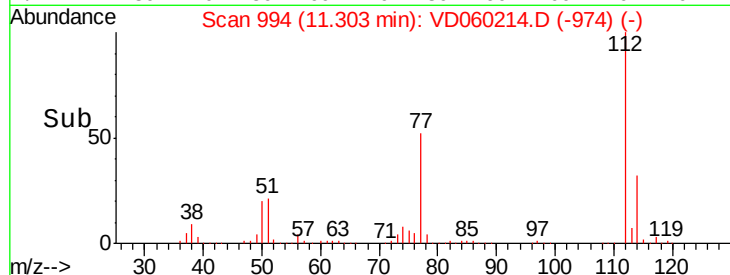
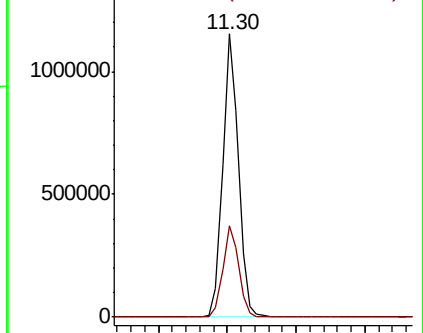
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.164 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

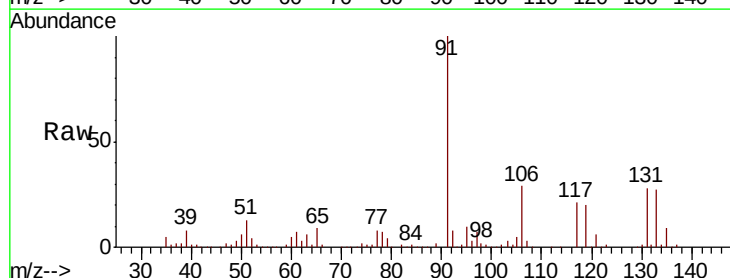
Tgt Ion:131 Resp: 626414

Ion Ratio Lower Upper

131 100

133 97.6 47.4 142.3

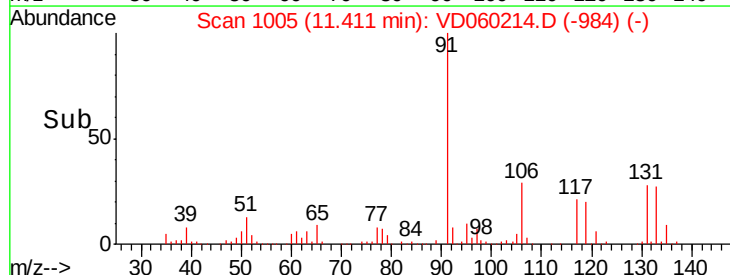
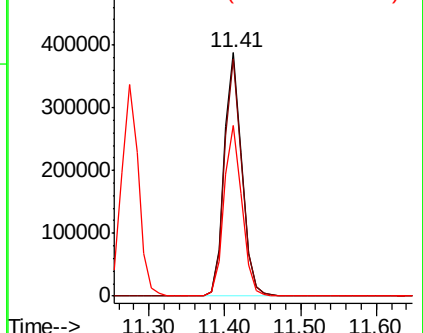
119 70.2 36.1 108.3

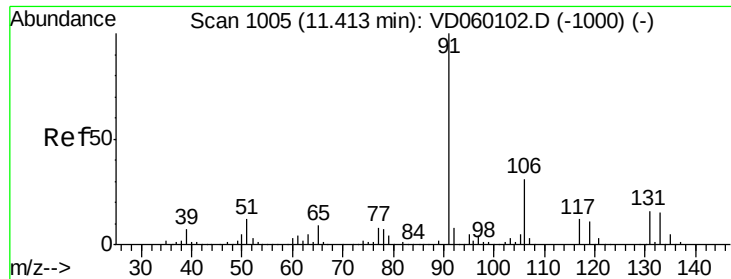


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





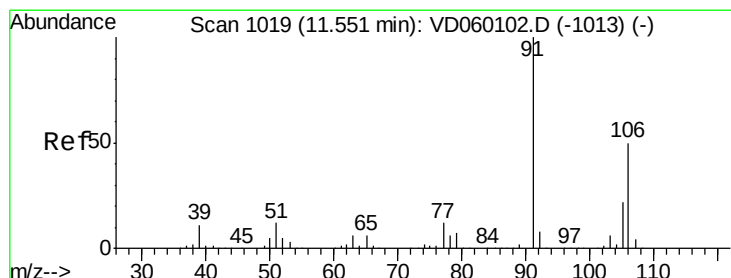
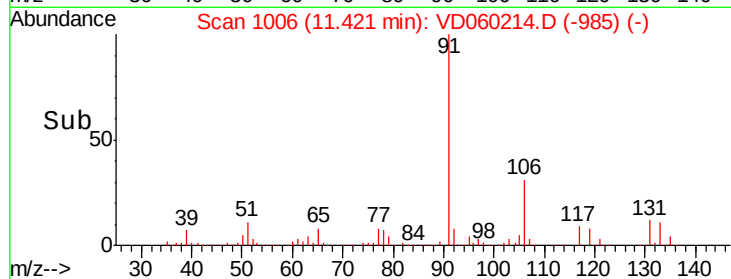
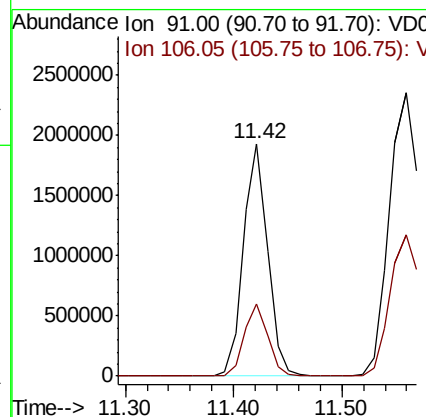
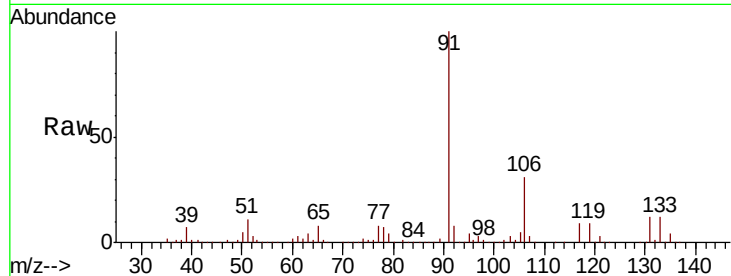
#67
Ethyl Benzene
Concen: 52.251 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2990028
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6

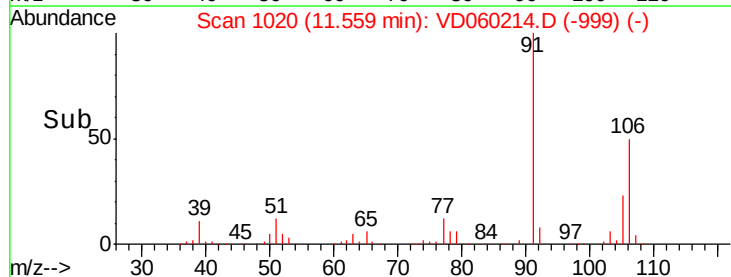
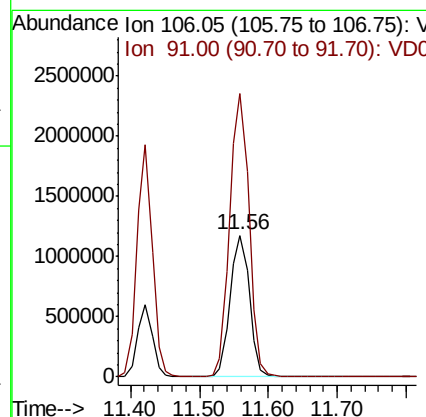
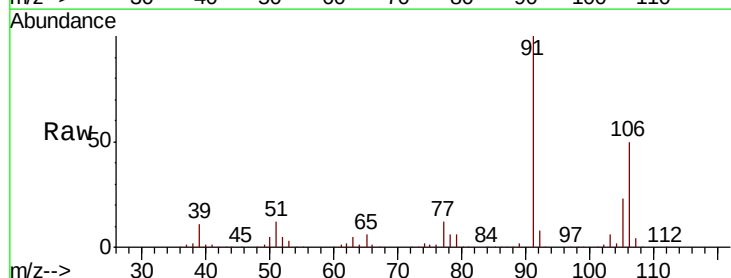
Manual Integrations
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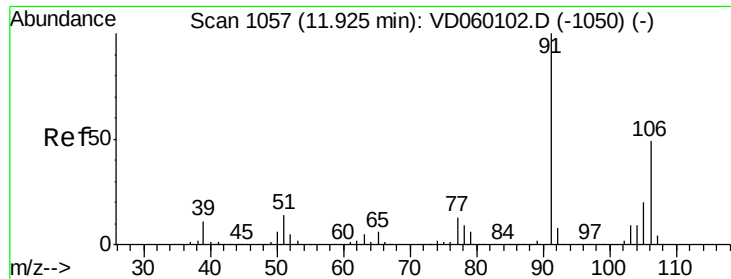
apatel
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#68
m/p-Xylenes
Concen: 106.460 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 106 Resp: 2276244
Ion Ratio Lower Upper
106 100
91 199.9 160.0 240.0





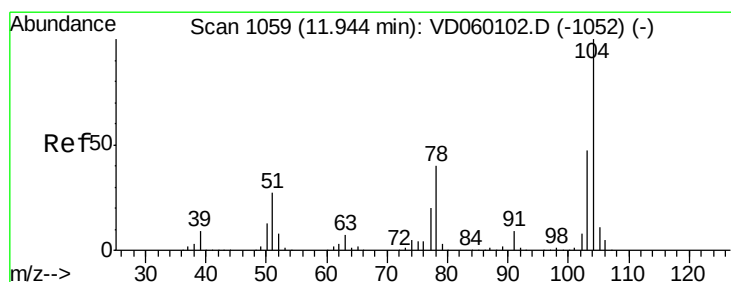
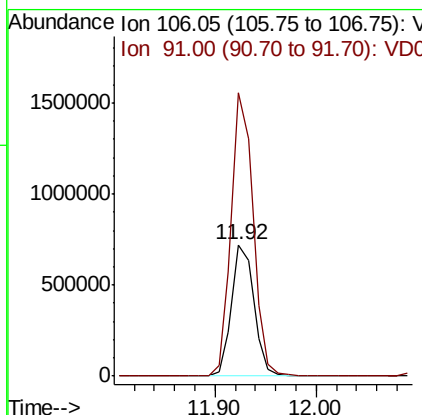
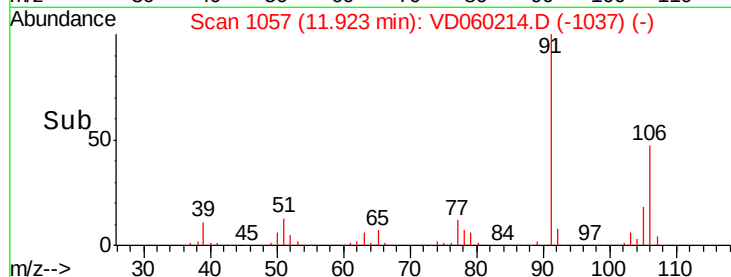
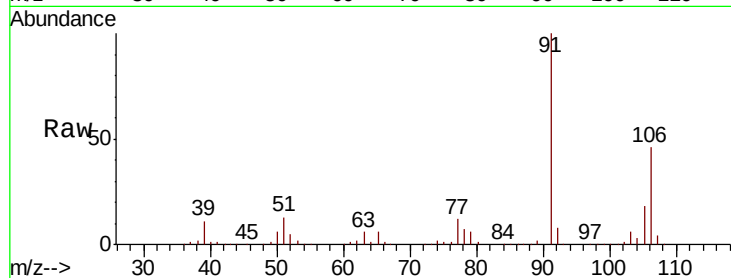
#69
o-Xylene
Concen: 52.698 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1114499
Ion Ratio Lower Upper
106 100
91 215.1 102.5 307.5

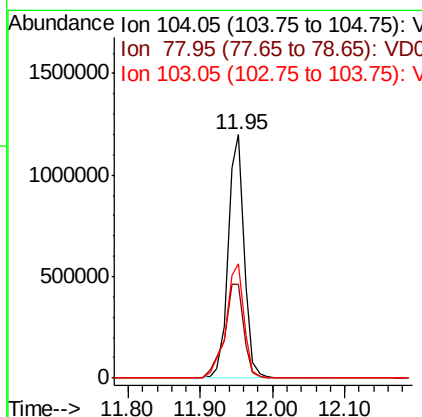
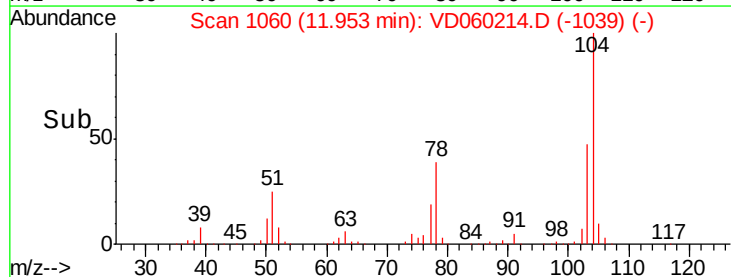
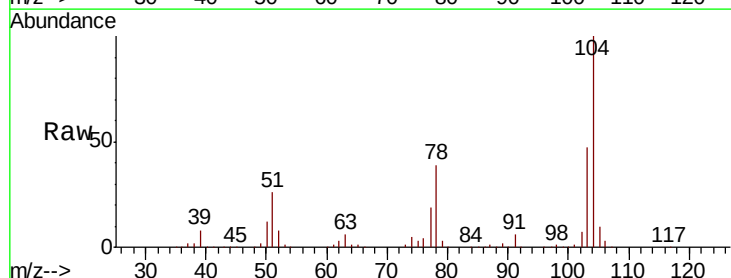
Manual Integrations
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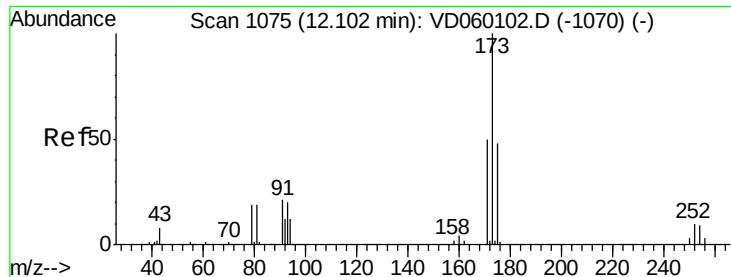
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#70
Styrene
Concen: 52.153 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:104 Resp: 1844505
Ion Ratio Lower Upper
104 100
78 38.7 32.2 48.4
103 46.8 37.4 56.0





#71

Bromoform

Concen: 51.926 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

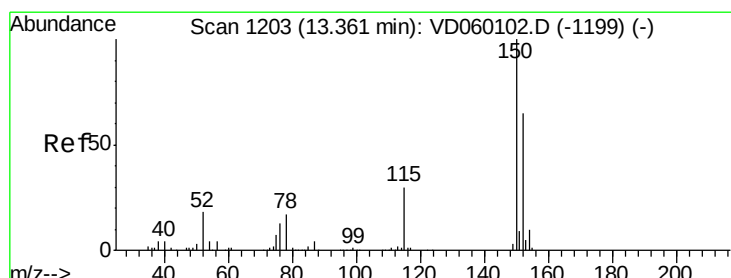
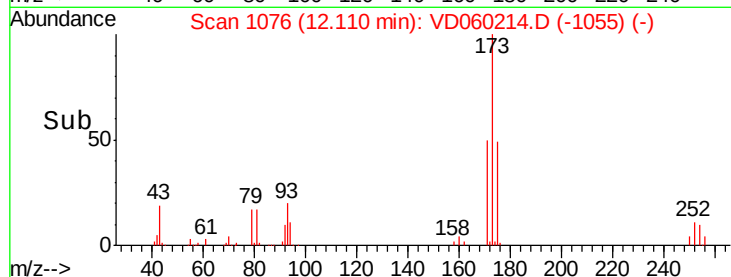
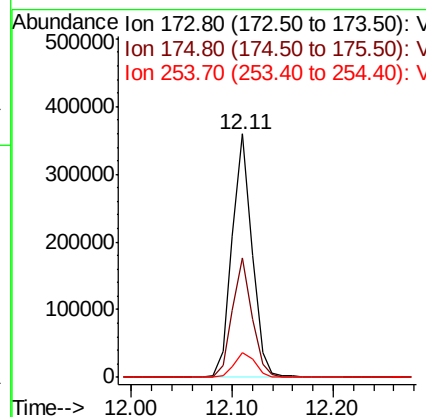
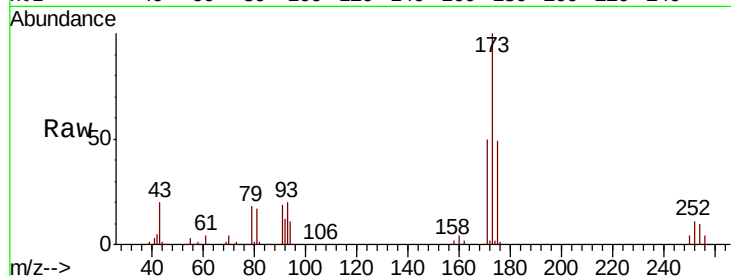
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	495428
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.1	72.4
254	10.4	7.4	11.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

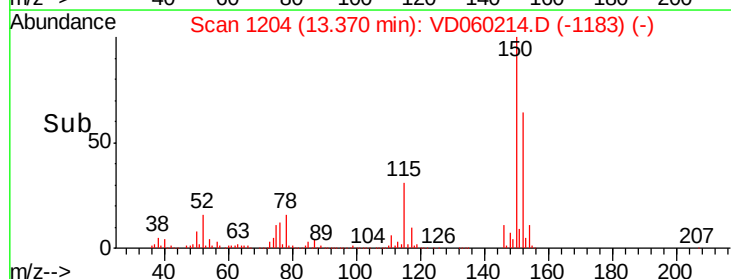
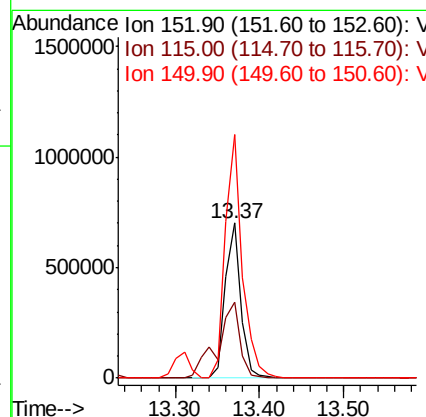
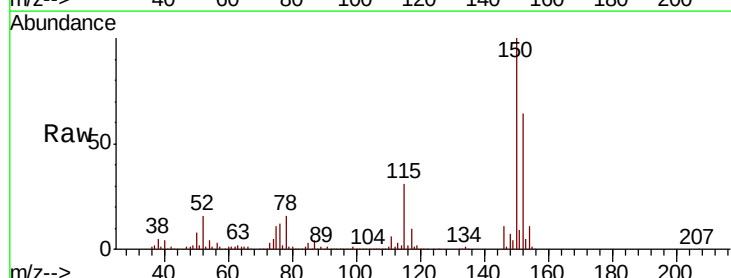
RT: 13.37 min Scan# 1204

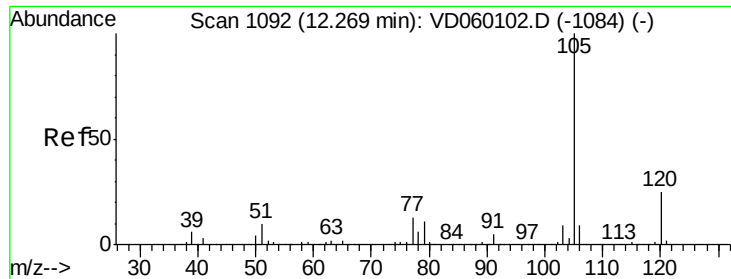
Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	152	Resp:	905171
Ion Ratio	Lower	Upper	
152	100		
115	49.2	27.1	81.2
150	157.1	0.0	311.8





#73

Isopropylbenzene

Concen: 50.890 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3038945

Ion Ratio Lower Upper

105 100

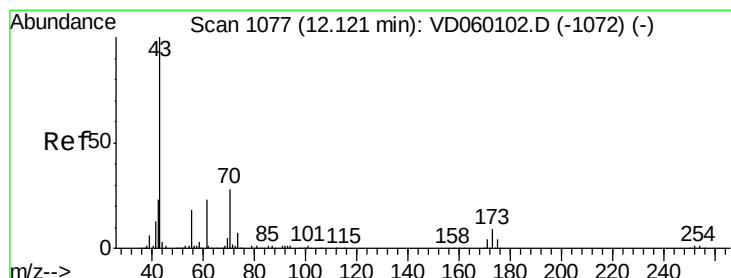
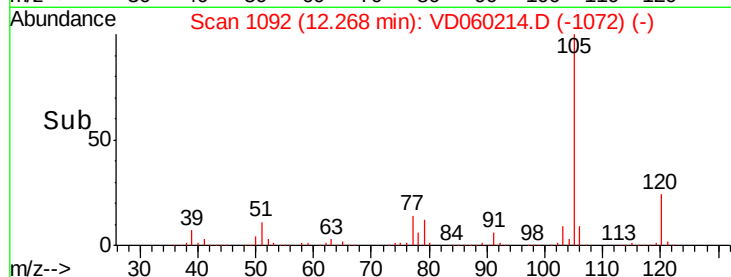
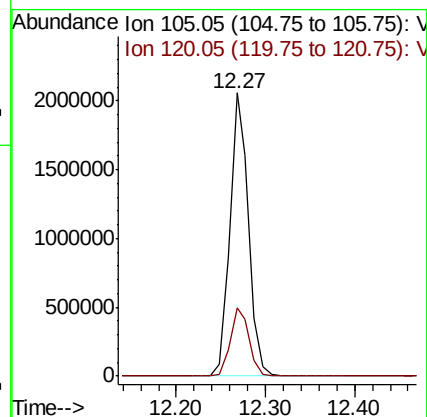
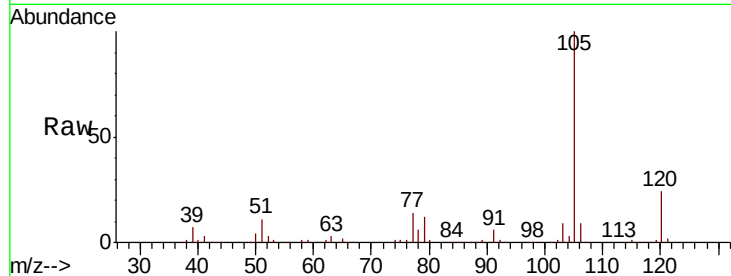
120 24.3 12.6 37.6

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#74

N-ethyl acetate

Concen: 46.303 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion: 43 Resp: 1012798

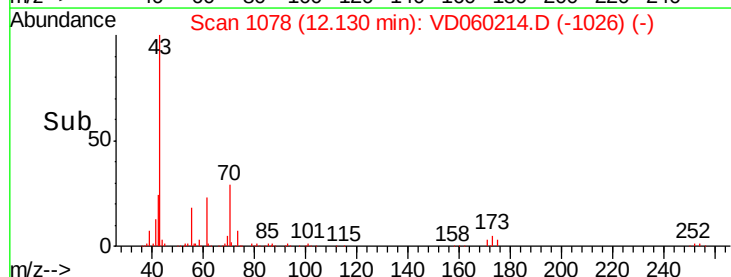
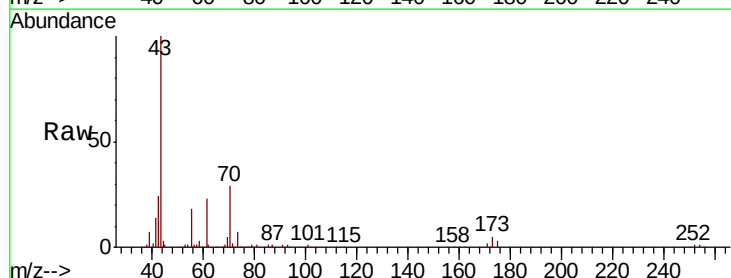
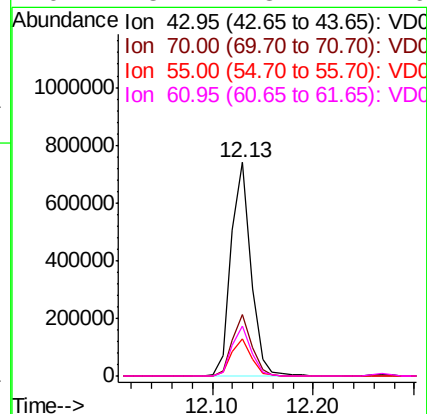
Ion Ratio Lower Upper

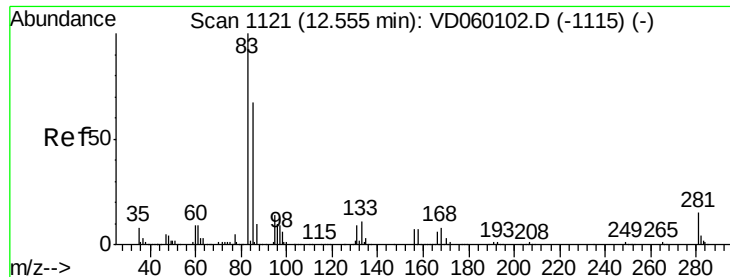
43 100

70 28.8 22.1 33.1

55 17.5 14.1 21.1

61 23.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.904 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

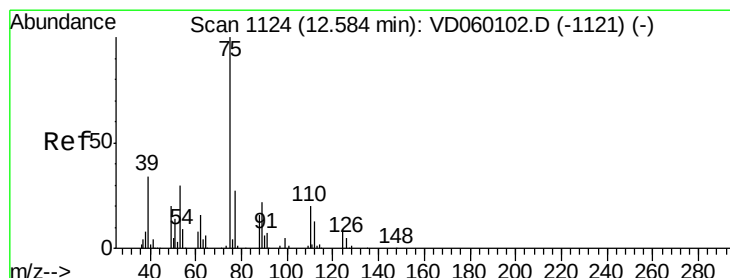
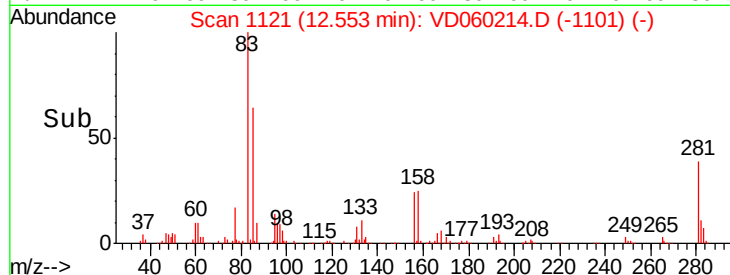
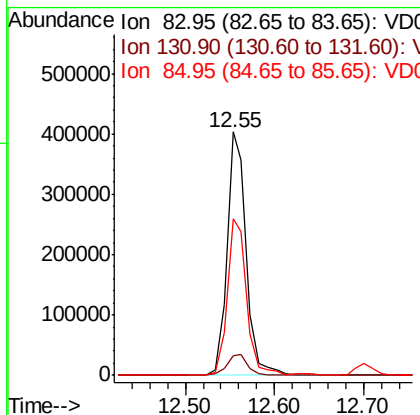
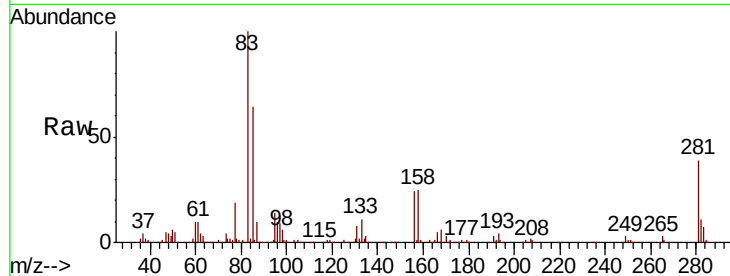
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	611482
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.5	13.4
85	64.4	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.671 ug/l

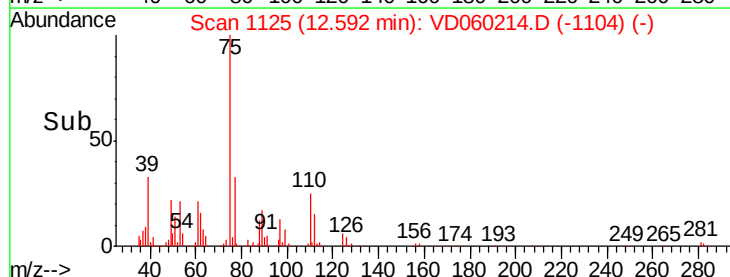
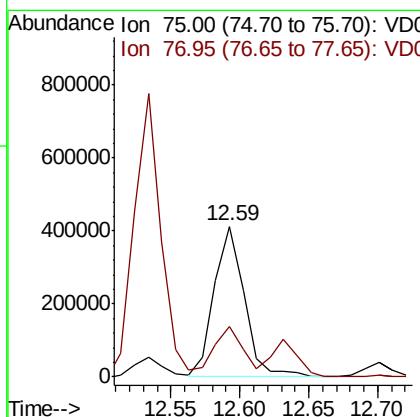
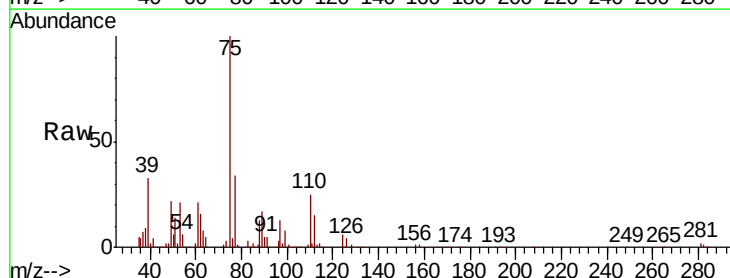
RT: 12.59 min Scan# 1125

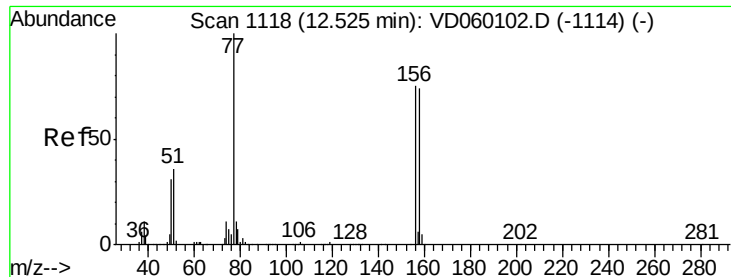
Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion:	75	Resp:	621416
Ion Ratio	Lower	Upper	
75	100		
77	33.6	16.3	48.9





#77

Bromobenzene

Concen: 49.445 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

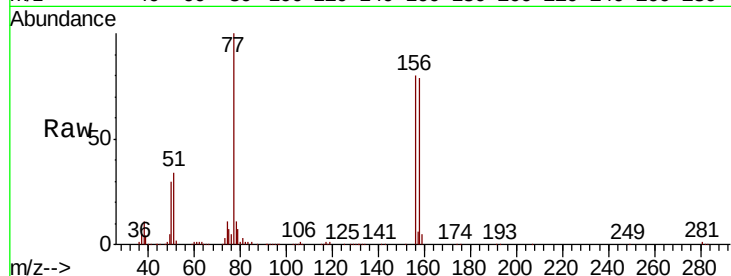
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.1	66.9	200.7
158	98.6	49.1	147.4

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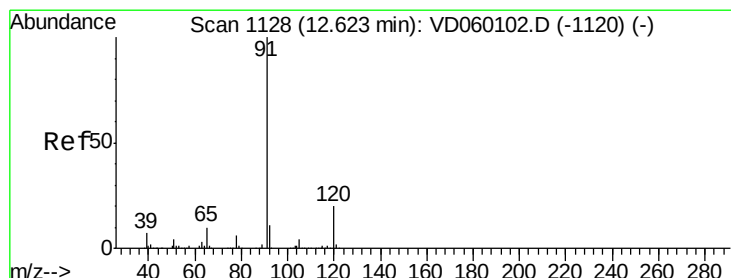
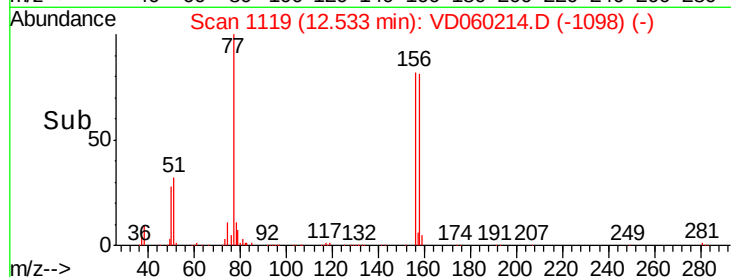
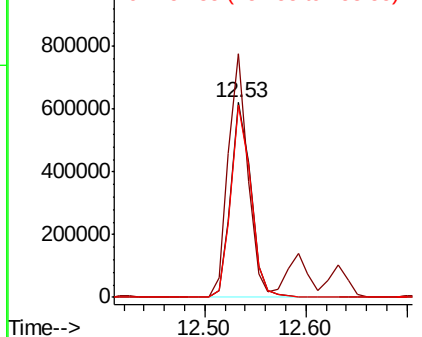


Abundance

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: 51.236 ug/l

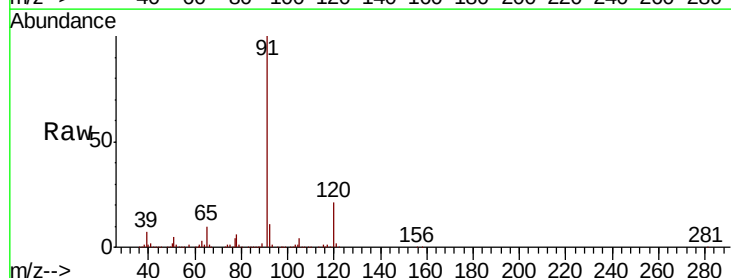
RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

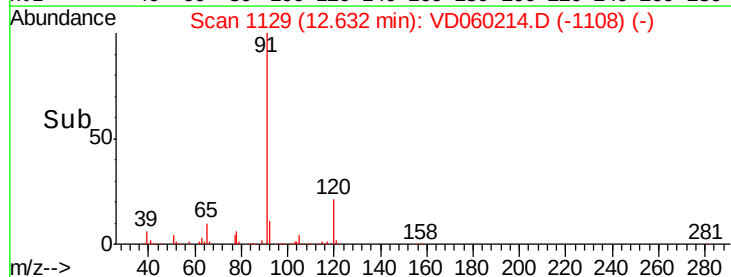
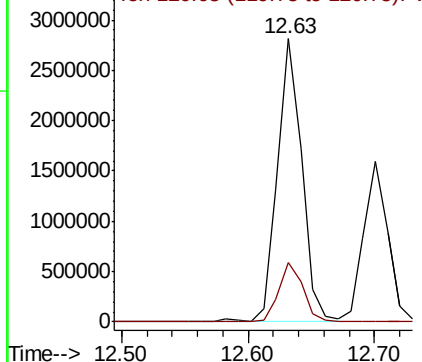
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.0	30.0

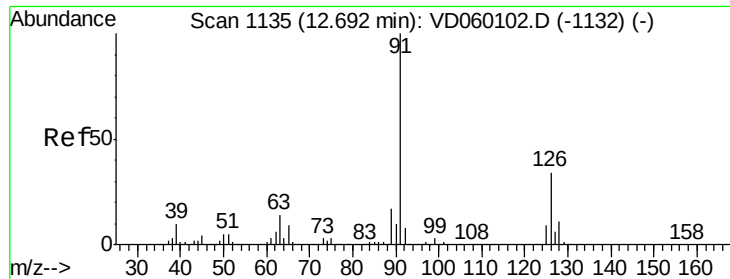


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





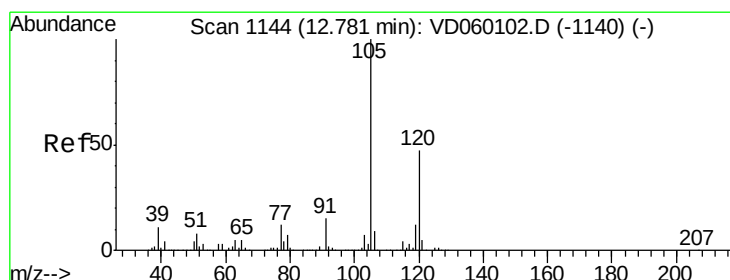
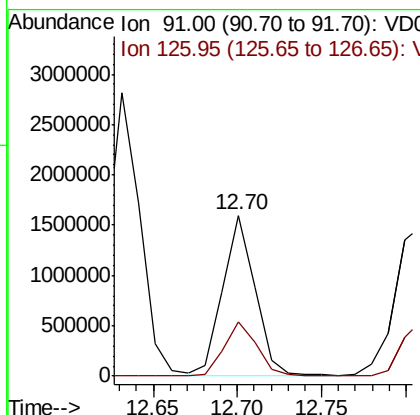
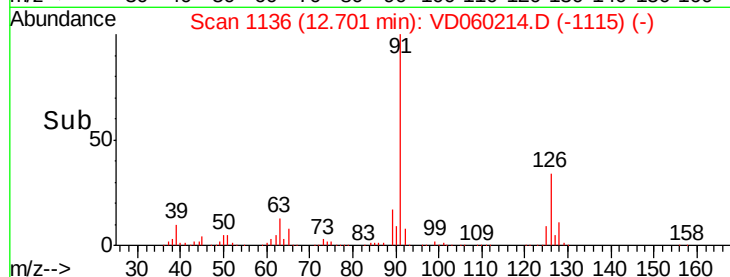
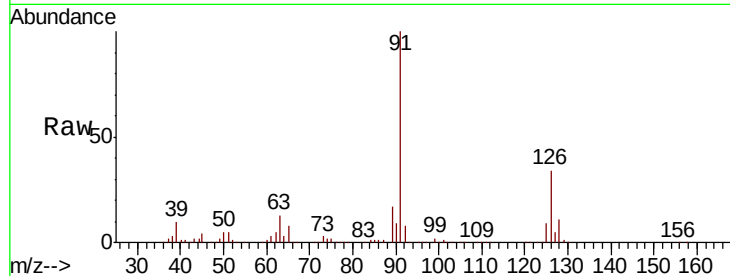
#79
 2-Chlorotoluene
 Concen: 51.527 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2120513
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.8 50.3

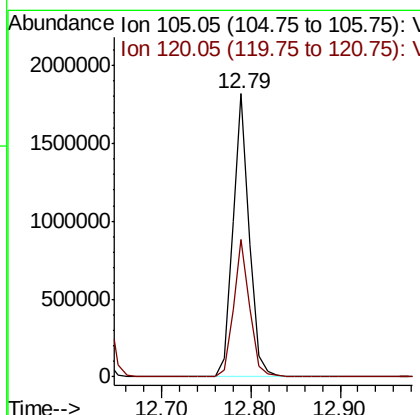
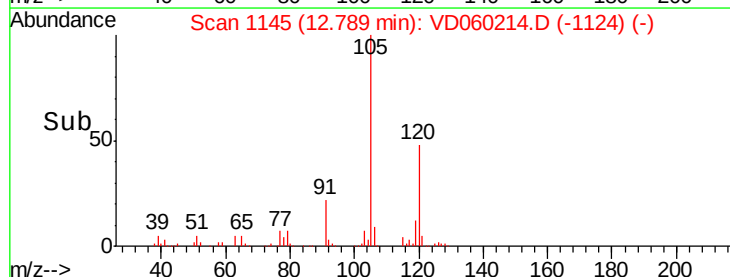
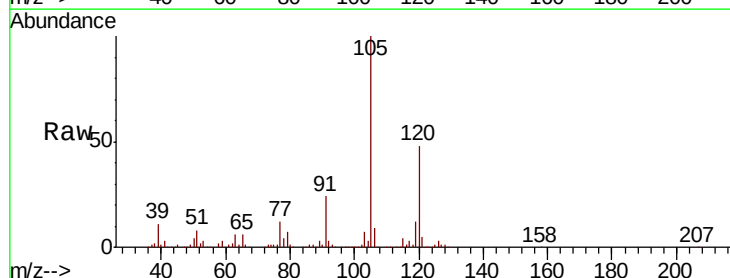
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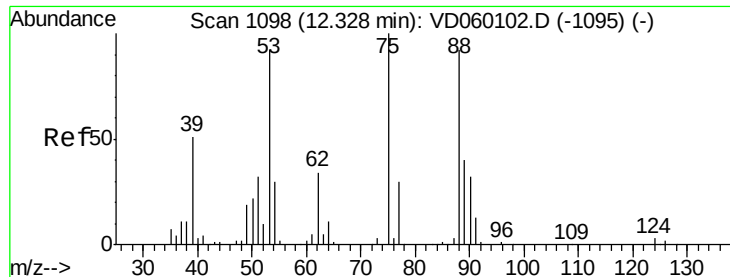
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.667 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 105 Resp: 2341685
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.879 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 186362

Ion Ratio Lower Upper

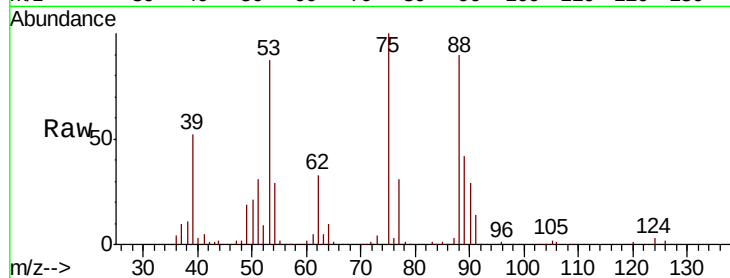
75 100

53 87.1 73.0 109.6

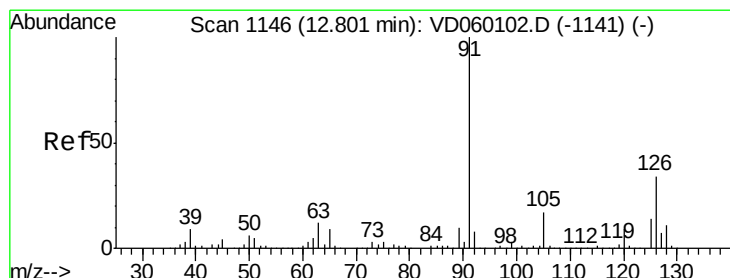
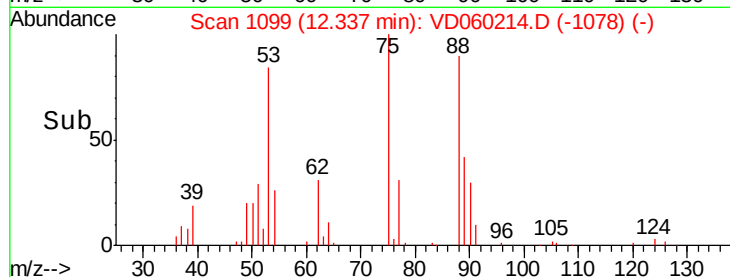
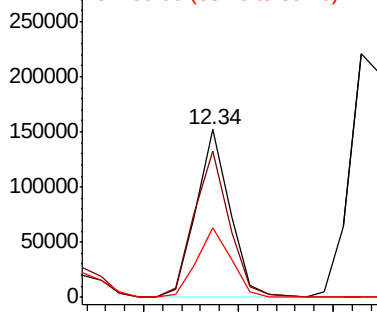
89 41.8 32.0 48.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.098 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060214.D

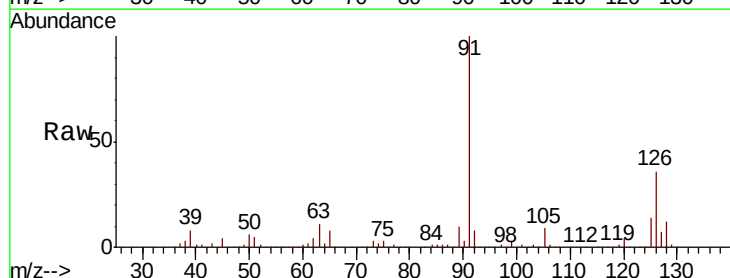
Acq: 26 Oct 2018 13:51

Tgt Ion: 91 Resp: 2378455

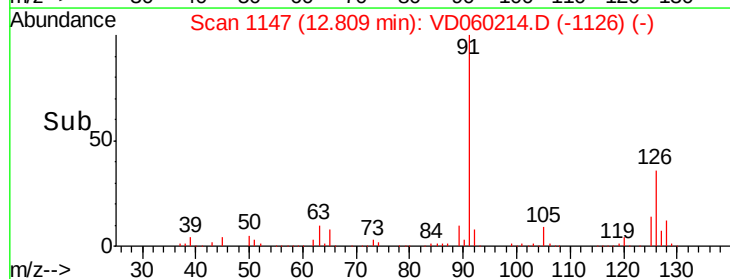
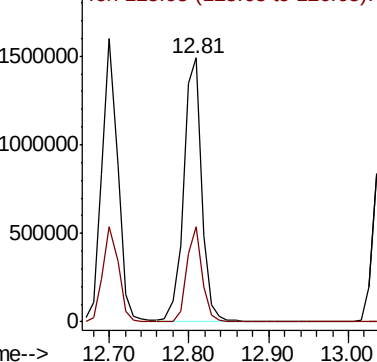
Ion Ratio Lower Upper

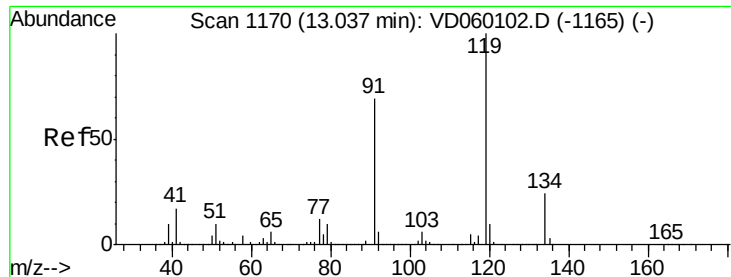
91 100

126 35.9 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





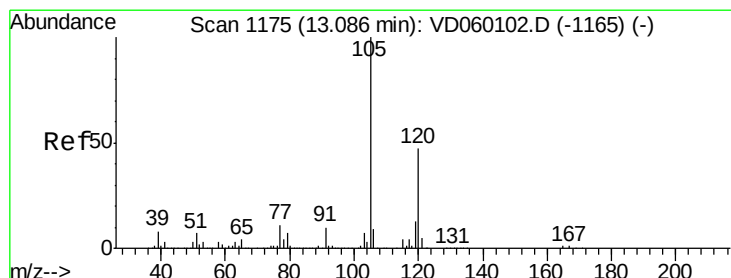
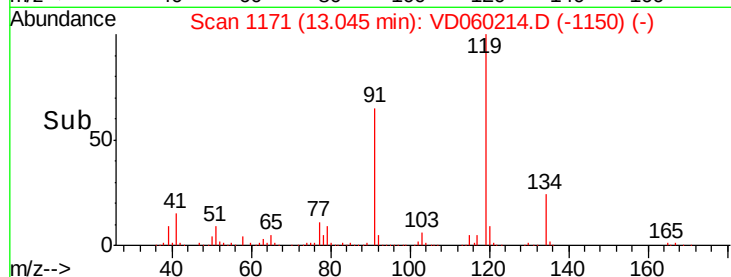
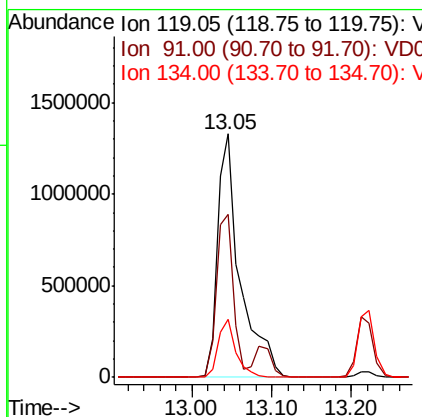
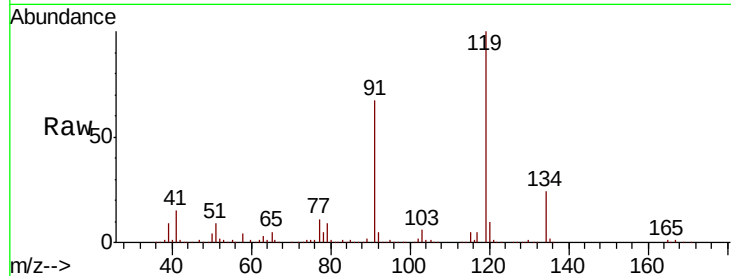
#83
 tert-Butylbenzene
 Concen: 49.766 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2639427
 Ion Ratio Lower Upper
 119 100
 91 67.0 34.8 104.4
 134 24.1 11.8 35.4

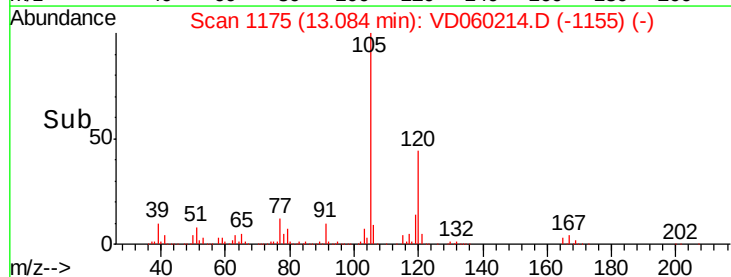
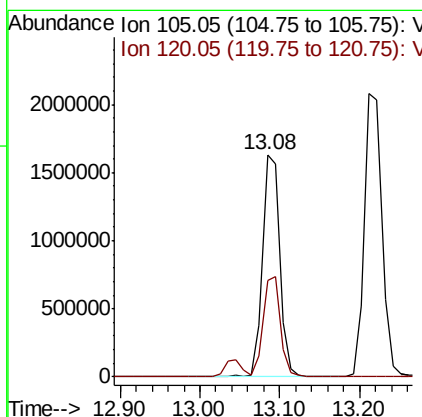
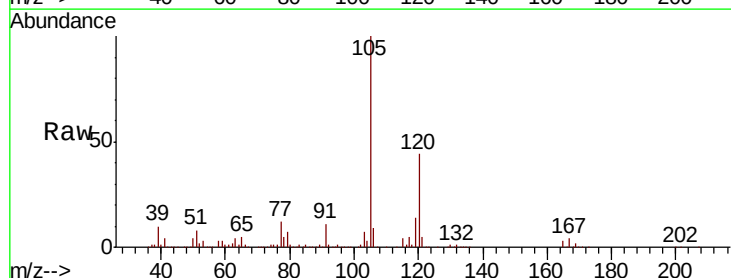
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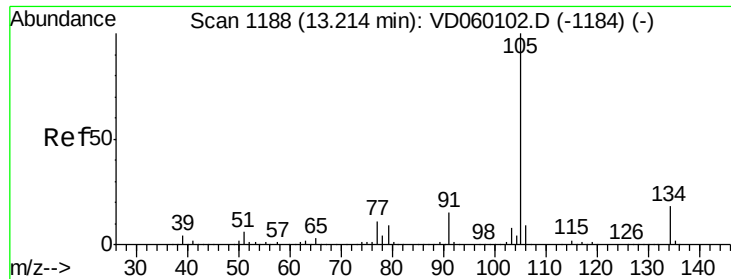
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.715 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion:105 Resp: 2421622
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.4 70.0





#85

sec-Butylbenzene

Concen: 50.077 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3140240

Ion Ratio Lower Upper

105 100

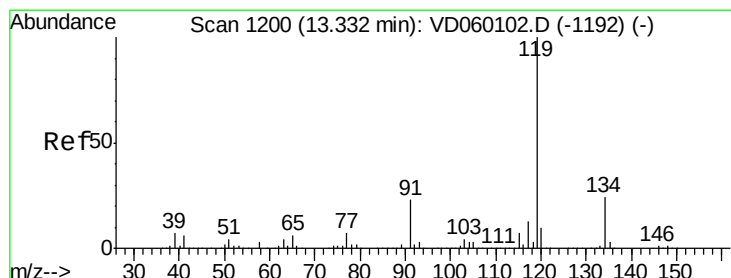
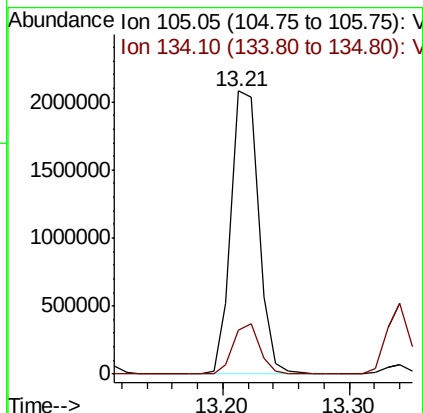
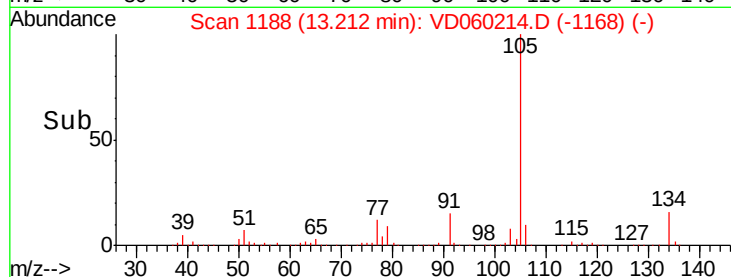
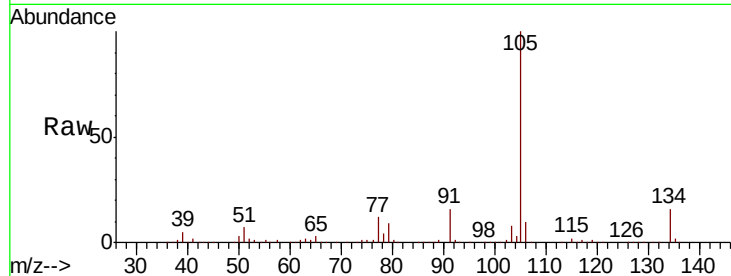
134 15.8 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 51.868 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

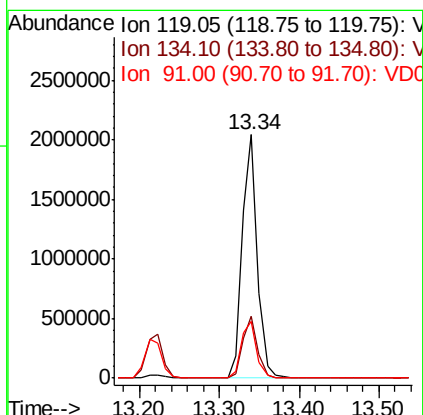
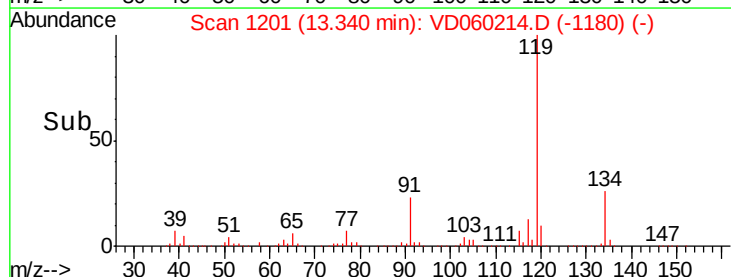
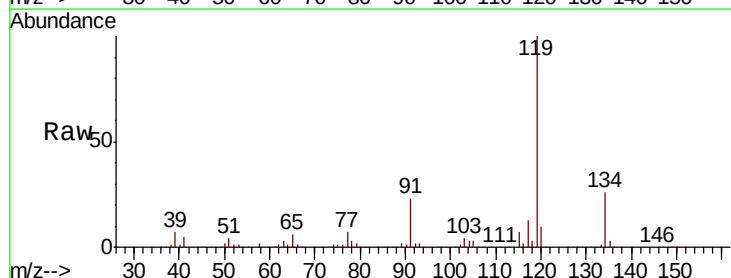
Tgt Ion:119 Resp: 2667790

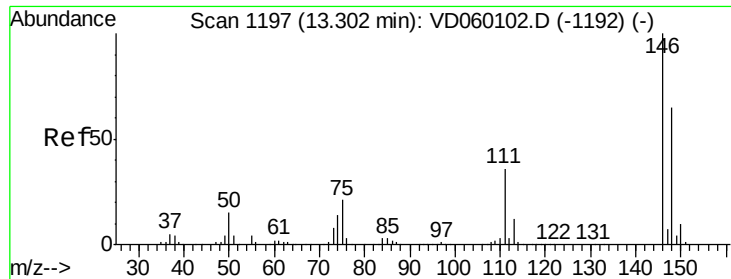
Ion Ratio Lower Upper

119 100

134 25.6 12.3 36.8

91 23.1 11.8 35.4





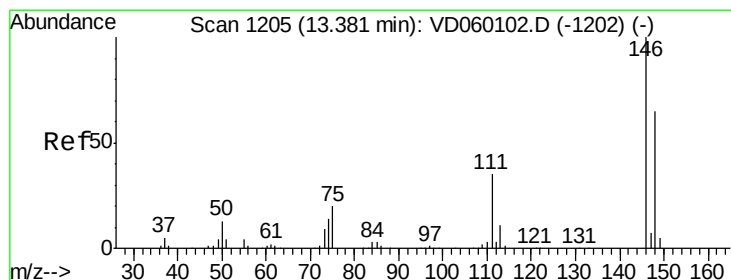
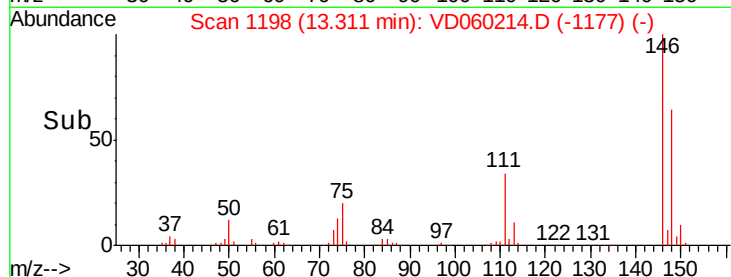
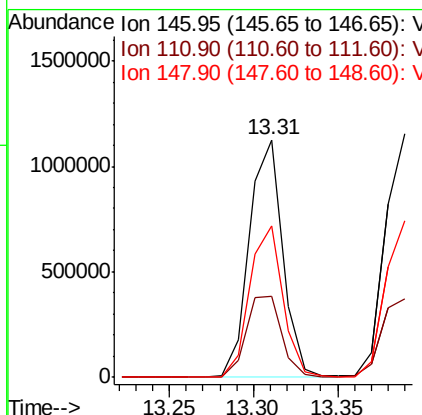
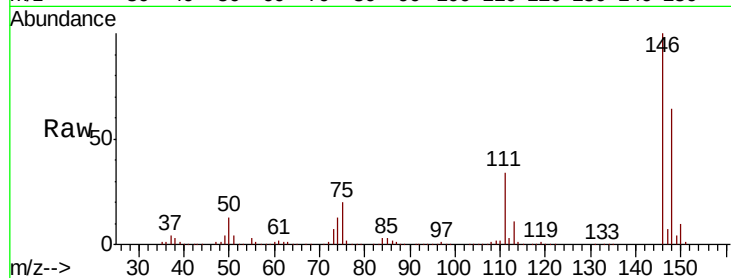
#87
 1,3-Dichlorobenzene
 Concen: 51.279 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1550329
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.1 54.3
 148 63.6 32.3 96.9

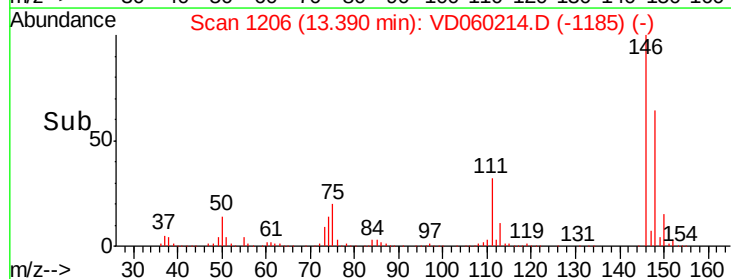
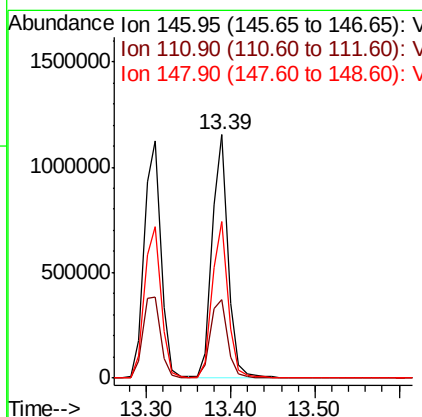
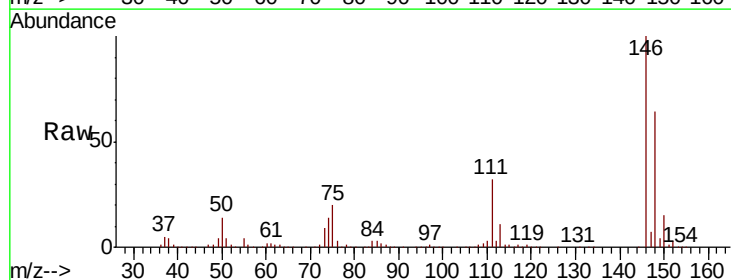
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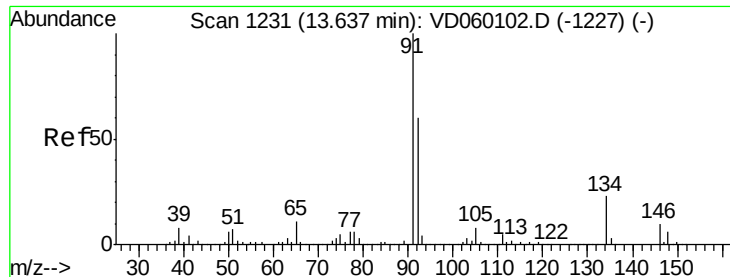
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#88
 1,4-Dichlorobenzene
 Concen: 49.939 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion:146 Resp: 1516541
 Ion Ratio Lower Upper
 146 100
 111 32.4 17.8 53.3
 148 64.4 32.4 97.2





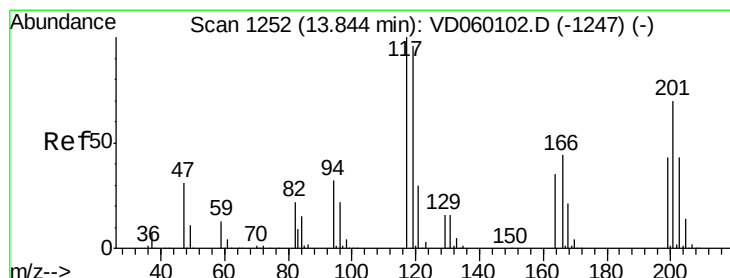
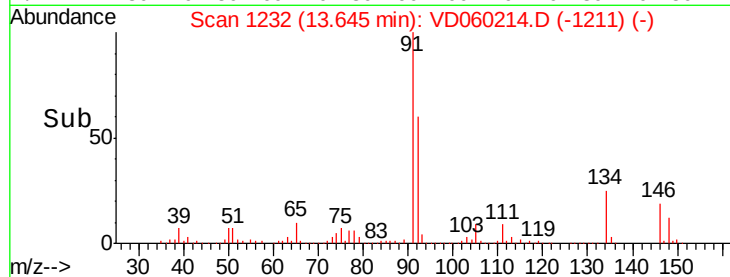
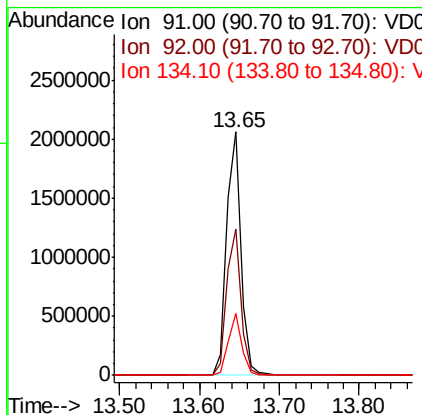
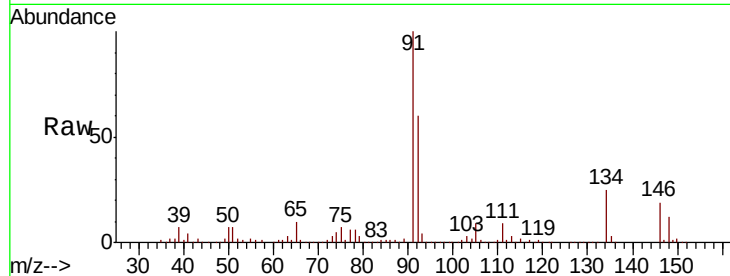
#89
n-Butylbenzene
Concen: 52.510 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2635308
Ion Ratio Lower Upper
91 100
92 60.2 30.1 90.3
134 25.2 11.6 34.7

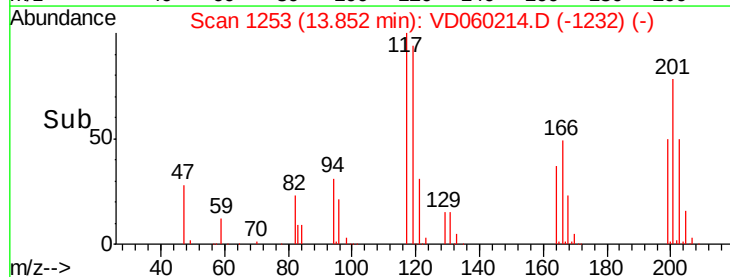
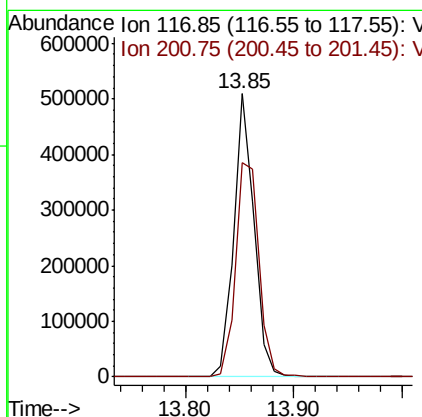
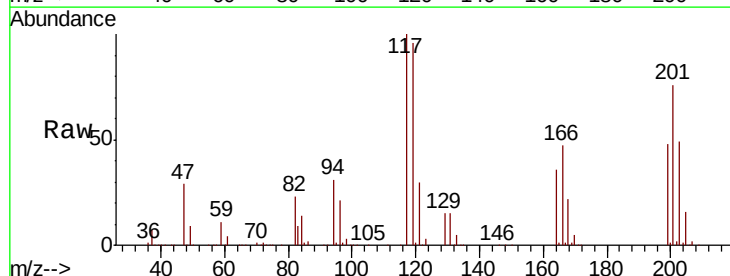
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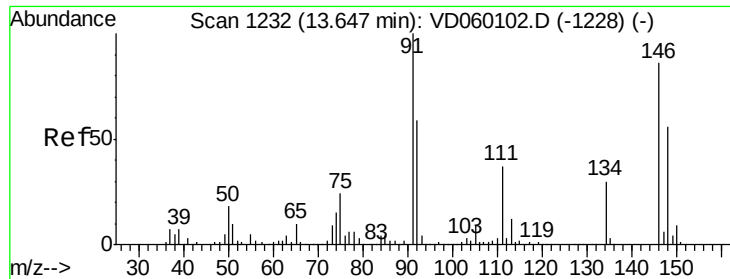
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#90
Hexachloroethane
Concen: 55.662 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 117 Resp: 662576
Ion Ratio Lower Upper
117 100
201 75.6 34.8 104.5





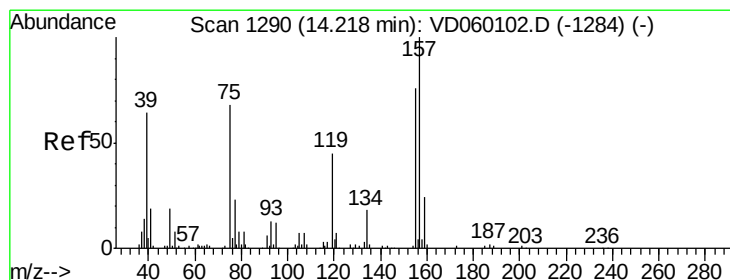
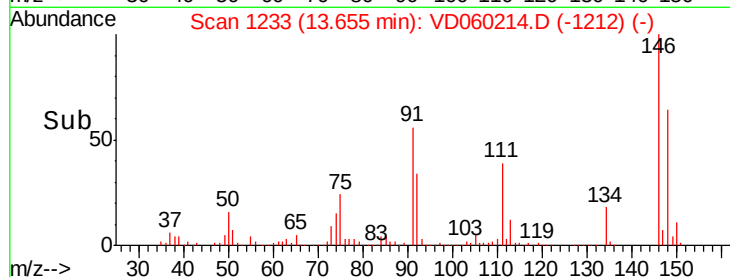
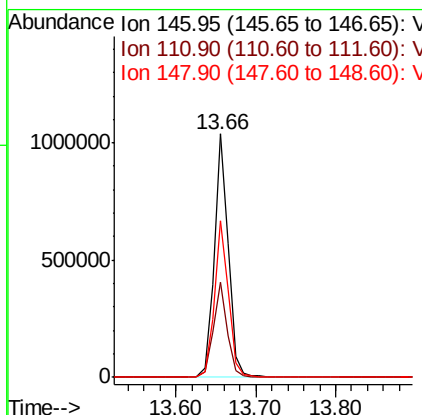
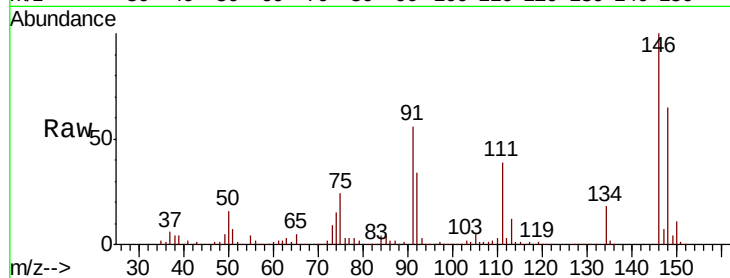
#91
 1,2-Dichlorobenzene
 Concen: 50.461 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.4	64.3
148	64.5	32.2	96.6

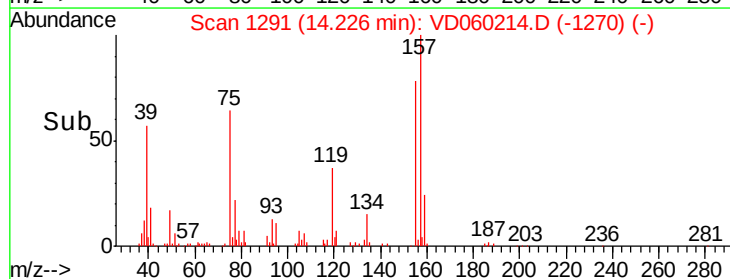
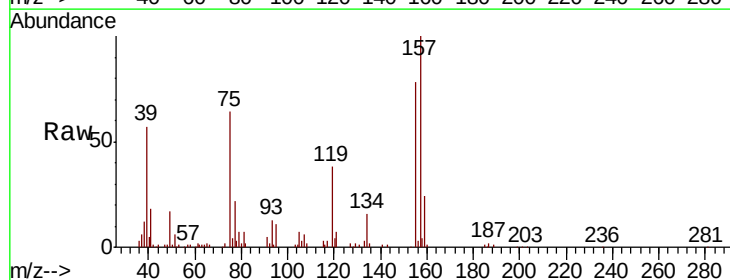
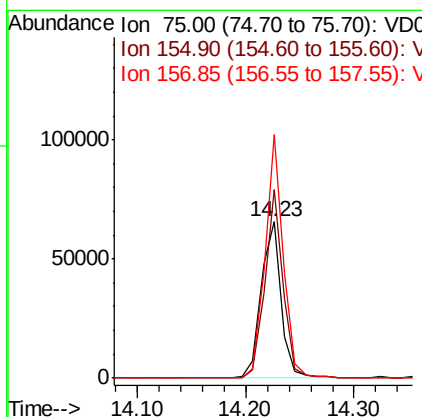
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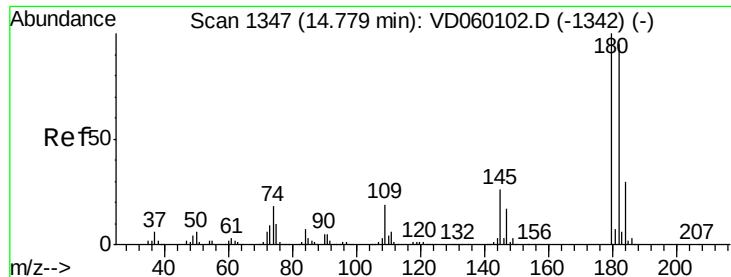
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.095 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	120.9	55.9	167.7
157	155.8	73.3	219.8





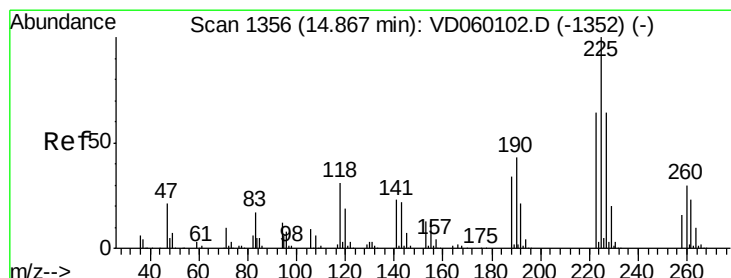
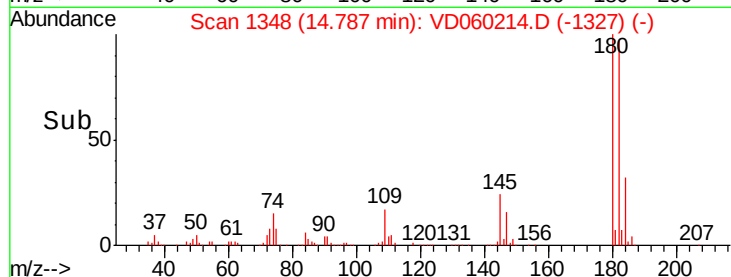
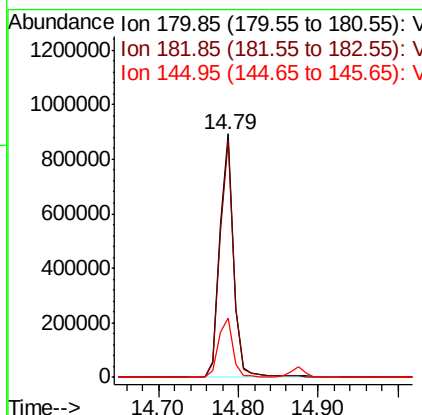
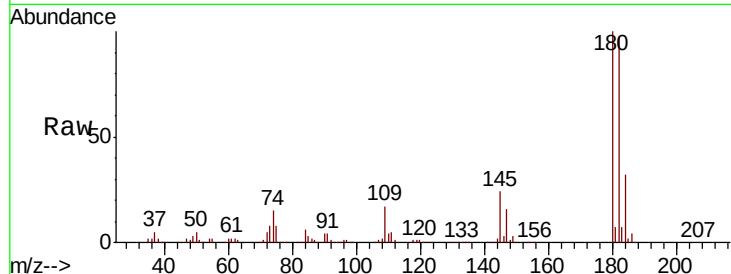
#93
 1,2,4-Trichlorobenzene
 Concen: 51.115 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.8
145	24.2	13.0	38.9

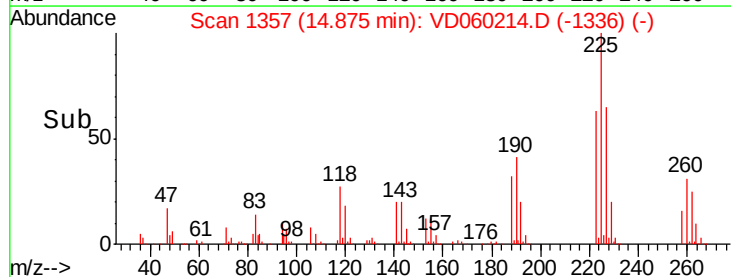
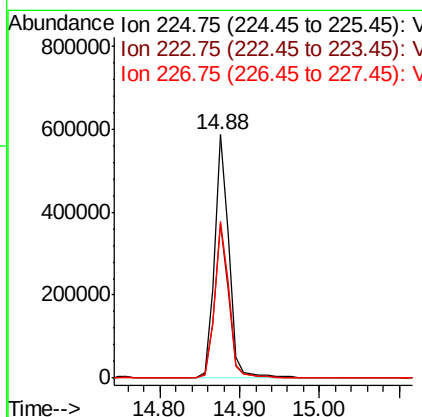
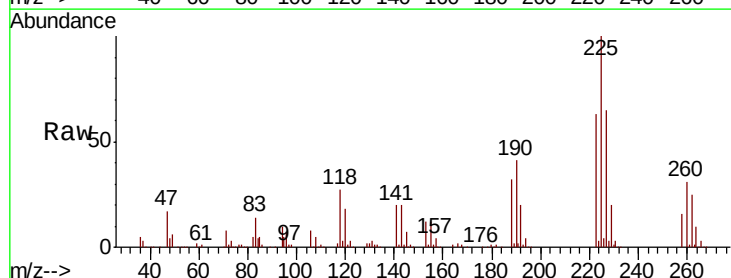
Manual Integrations
 APPROVED

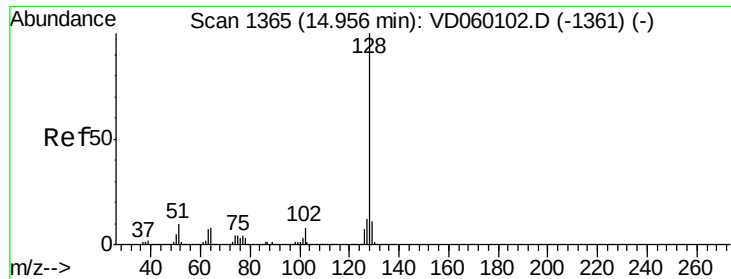
apatel
 10/29/2018 12:15:13 PM



#94
 Hexachlorobutadiene
 Concen: 52.548 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.8	95.4
227	64.5	32.0	96.0





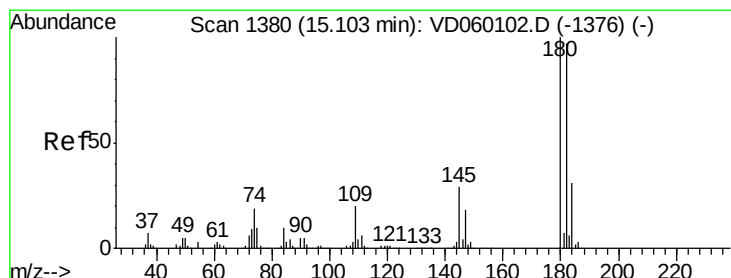
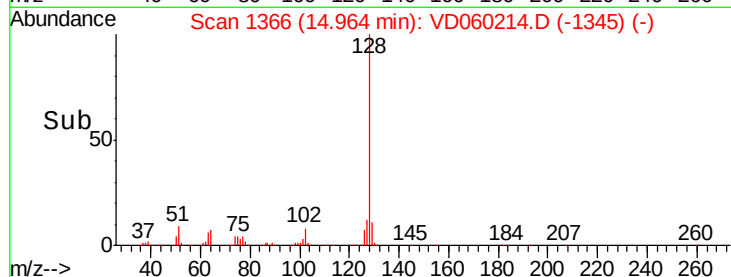
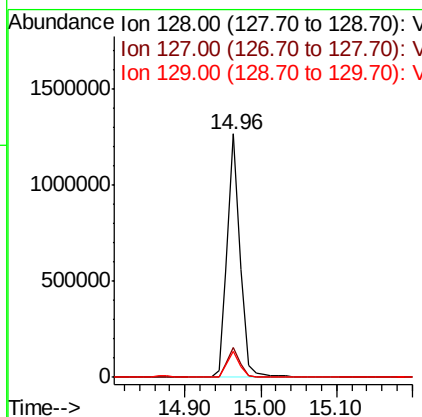
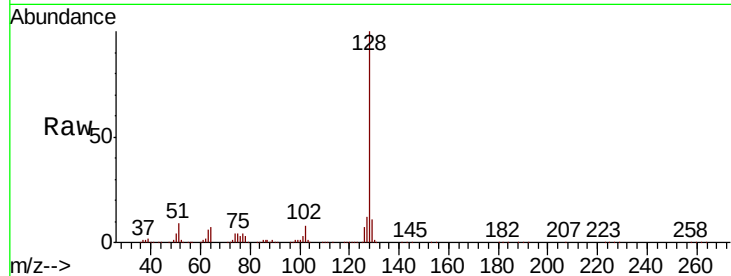
#95
Naphthalene
Concen: 47.236 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1510804
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.9 8.8 13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.378 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:180 Resp: 926832
Ion Ratio Lower Upper
180 100
182 97.7 48.4 145.0
145 27.4 14.5 43.6

