

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061230.D
 Acq On : 21 Mar 2019 3:16
 Operator : VA/AP
 Sample : K1688-27
 Misc : 7.01g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:07:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	677143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1253175	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	900277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	410076	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	274550	48.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.42%	
35) Dibromofluoromethane	6.93	113	400943	43.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.22%	
50) Toluene-d8	10.40	98	753180	32.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.50%	
62) 4-Bromofluorobenzene	13.55	95	345210	38.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.18%	

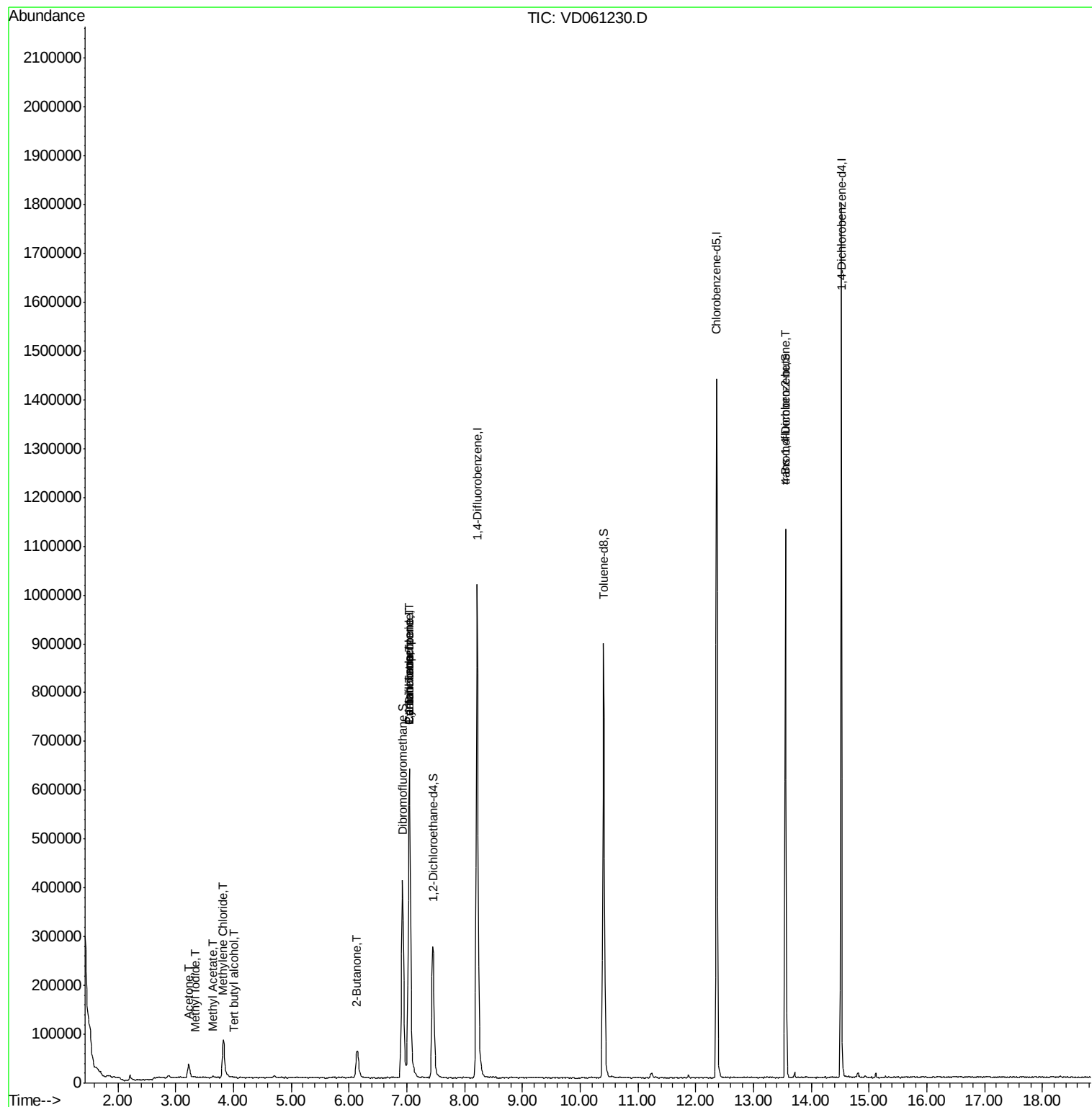
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	198	2.950	ug/l #	39
11) Tert butyl alcohol	4.01	59	2837	7.906	ug/l #	75
16) Acetone	3.23	43	54610	33.882	ug/l	98
18) Methyl Acetate	3.64	43	6402	2.018	ug/l #	59
20) Methylene Chloride	3.83	84	61448	4.078	ug/l	97
25) 2-Butanone	6.14	43	4117	2.251	ug/l #	55
31) Cyclohexane	7.04	56	11654	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	50329	4.659	ug/l #	46
38) Carbon Tetrachloride	7.05	117	66786	5.613	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	126514	72.736	ug/l #	17

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

Instrument :

MSVOA_D

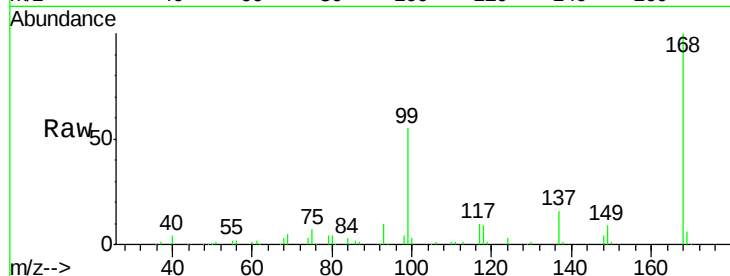
ClientSampleId :

Tot Ion:168 Resp: 677143

Ion Ratio Lower Upper

168 100

99 55.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

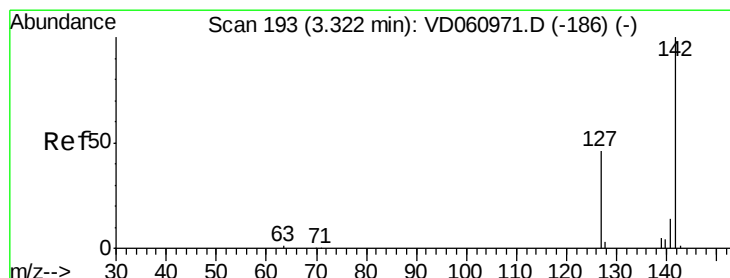
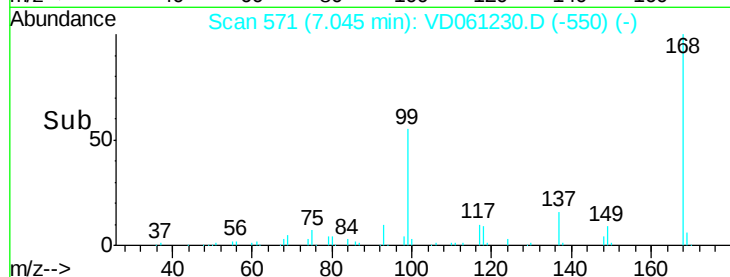
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 2.950 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

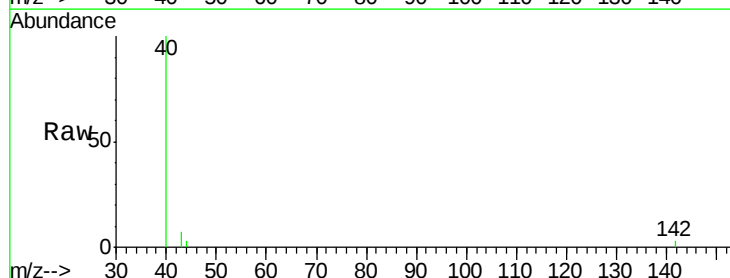
Tgt Ion:142 Resp: 198

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

400

300

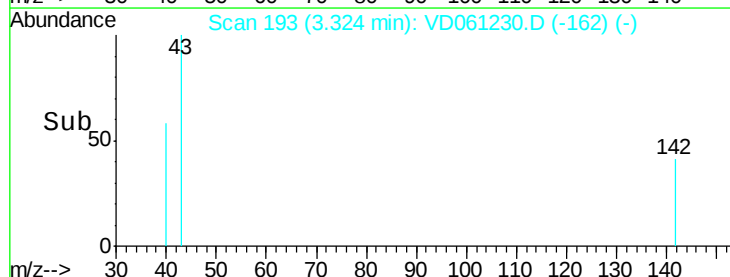
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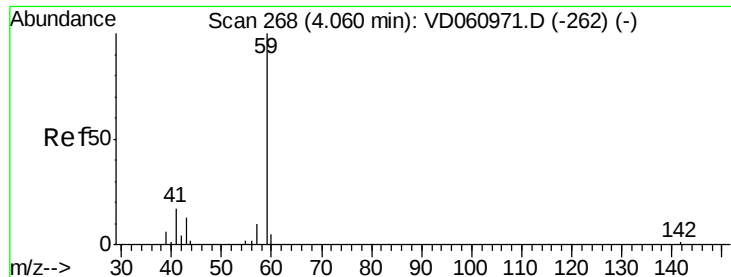
100

0

3.30 3.32 3.34

Time-->



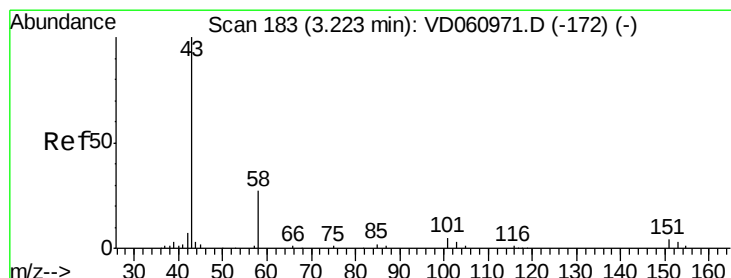
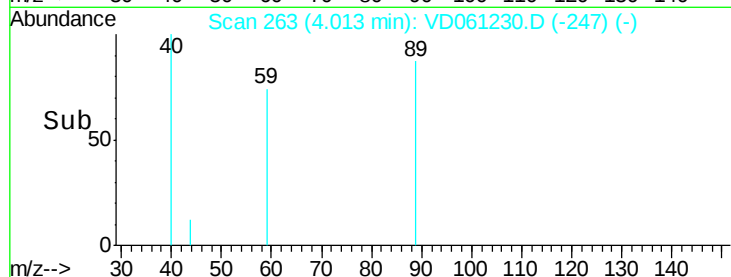
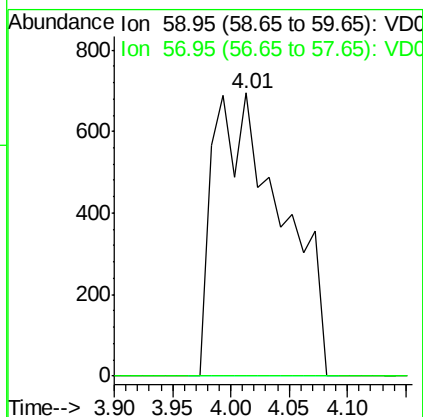
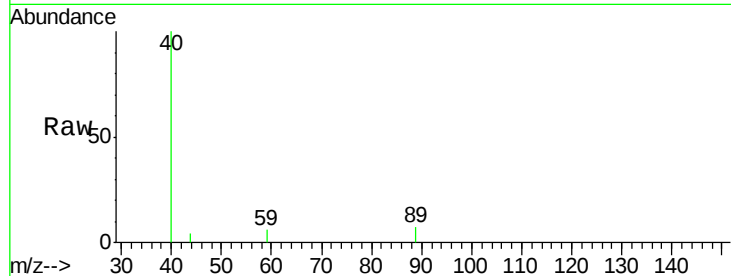


#11

Tert butyl alcohol
Concen: 7.906 ug/l
RT: 4.01 min Scan# 263
Delta R.T. -0.05 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Instrument :
MSVOA_D
ClientSampleId :

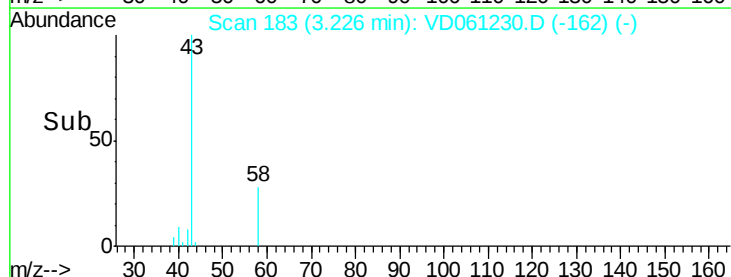
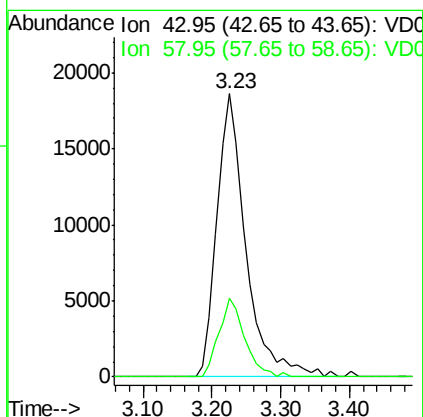
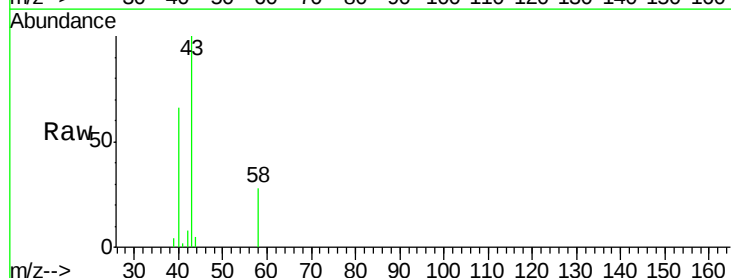
Tot Ion: 59 Resp: 2837
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#

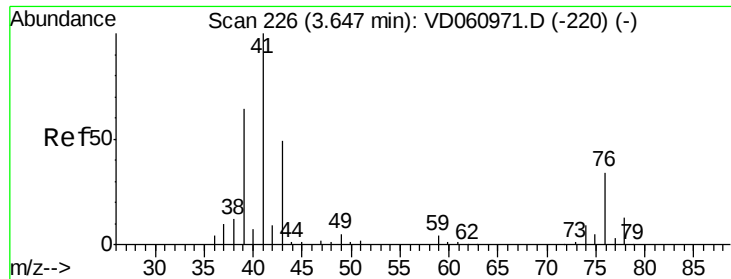


#16

Acetone
Concen: 33.882 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Tgt Ion: 43 Resp: 54610
Ion Ratio Lower Upper
43 100
58 27.9 21.6 32.4

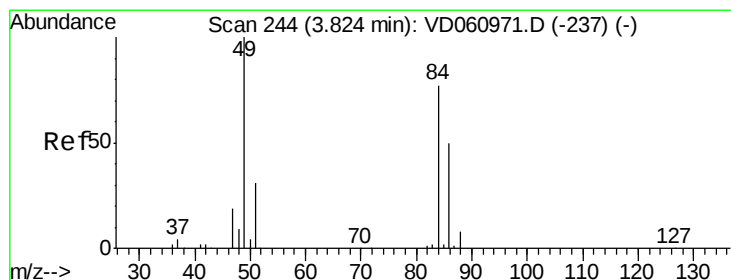
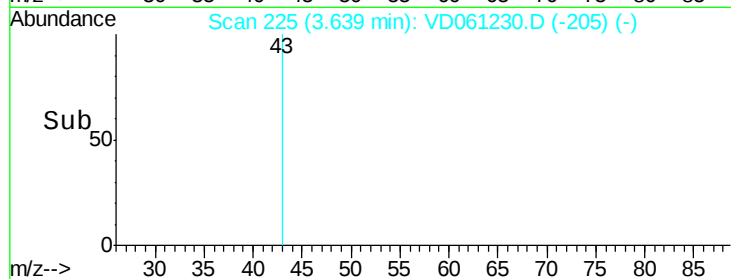
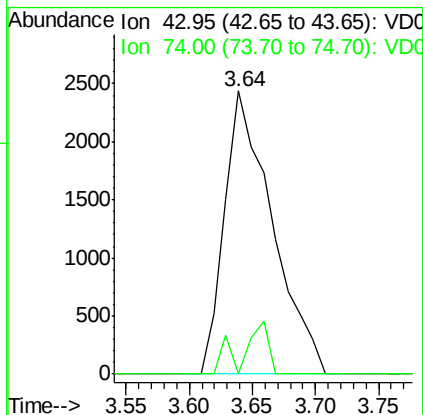
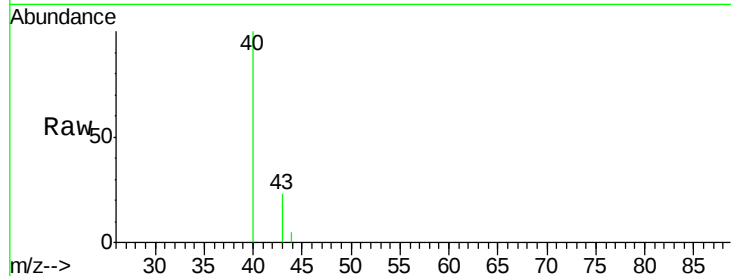




#18
Methyl Acetate
Concen: 2.018 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

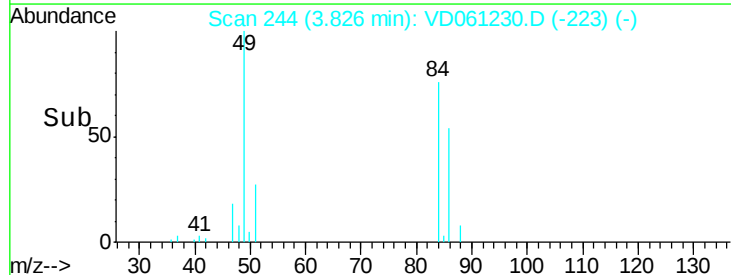
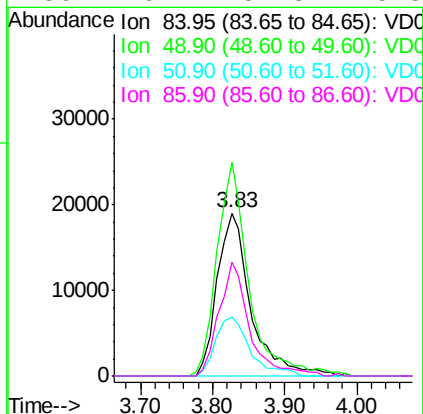
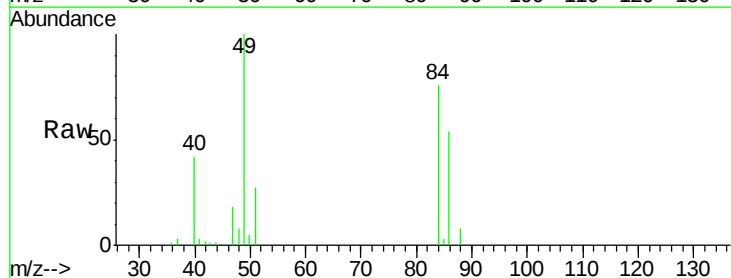
Instrument :
MSVOA_D
ClientSampled :

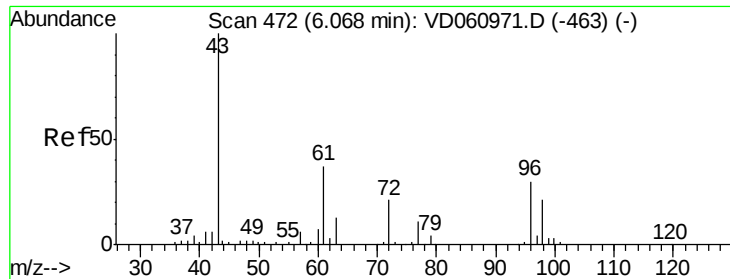
Tot Ion: 43 Resp: 6402
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 4.078 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Tgt Ion: 84 Resp: 61448
Ion Ratio Lower Upper
84 100
49 131.0 104.2 156.2
51 35.9 32.3 48.5
86 70.2 52.3 78.5





#25

2-Butanone

Concen: 2.251 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.07 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

Instrument :

MSVOA_D

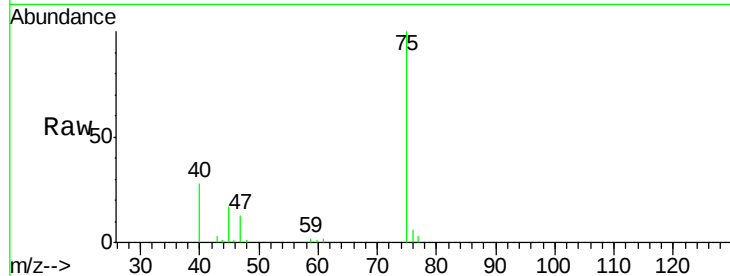
ClientSampled :

Tot Ion: 43 Resp: 4117

Ion Ratio Lower Upper

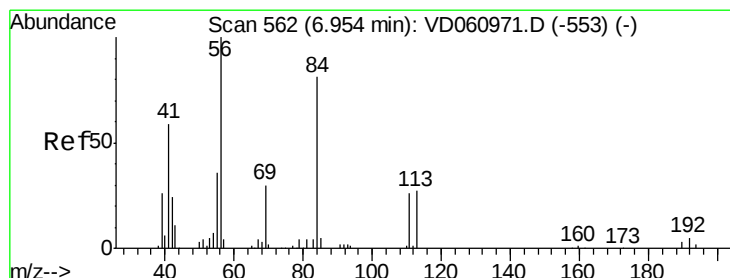
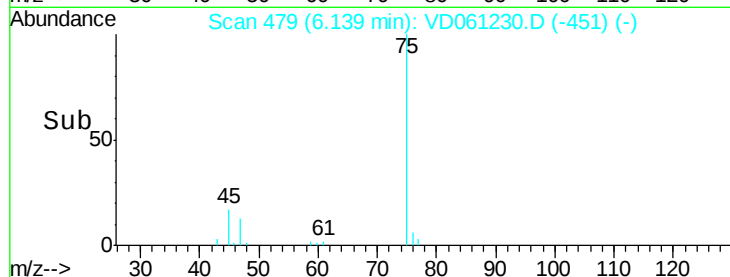
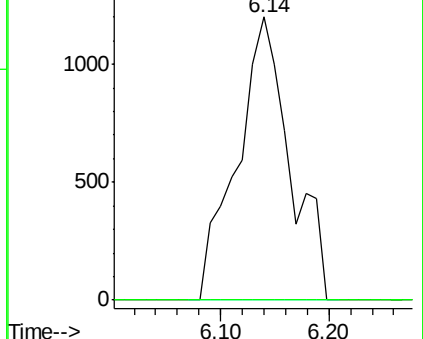
43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

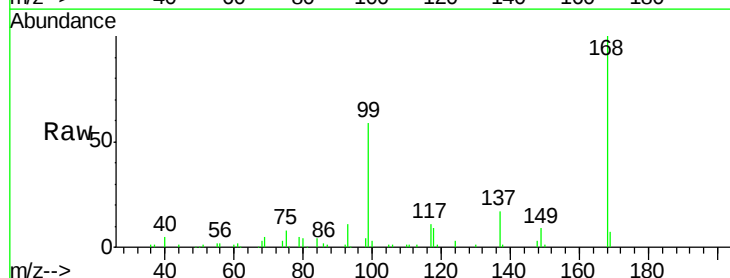
Tgt Ion: 56 Resp: 11654

Ion Ratio Lower Upper

56 100

69 232.4 24.0 36.0#

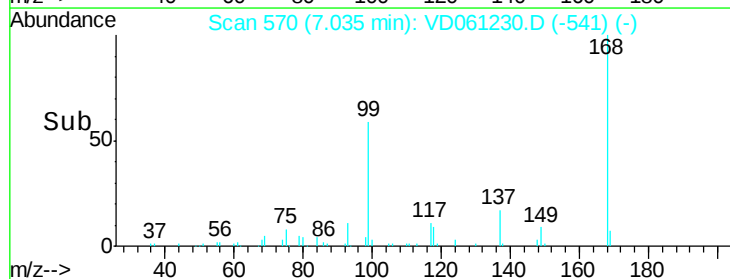
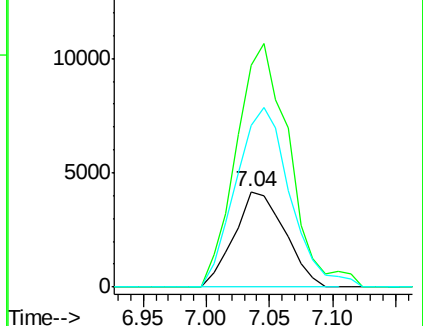
84 168.9 65.8 98.6#

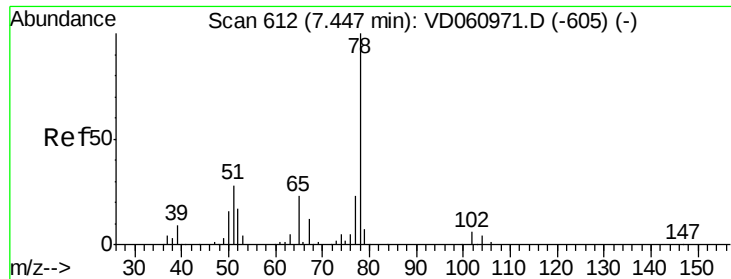


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

Instrument :

MSVOA_D

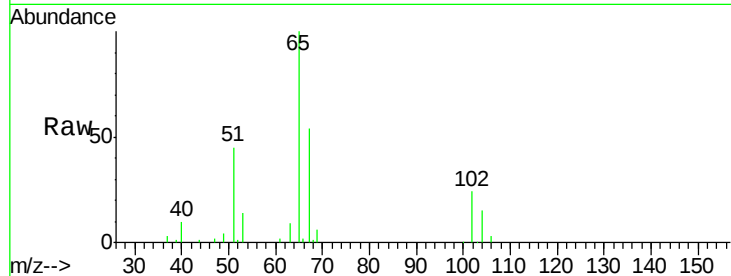
ClientSampleId :

Tot Ion: 65 Resp: 274550

Ion Ratio Lower Upper

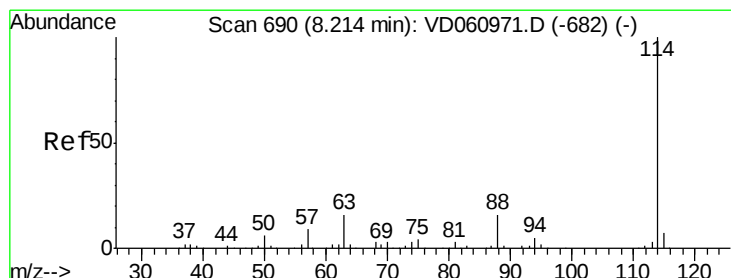
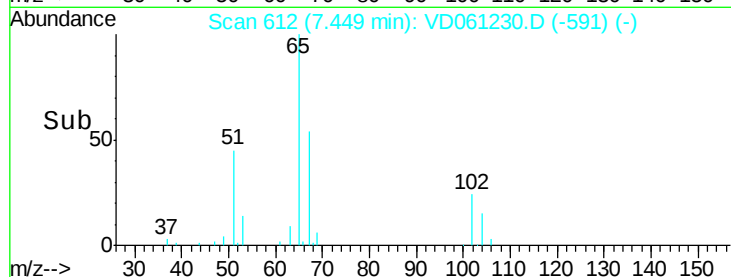
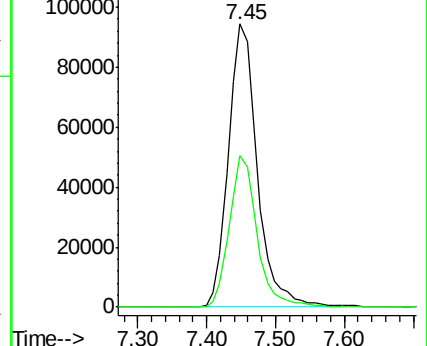
65 100

67 53.5 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

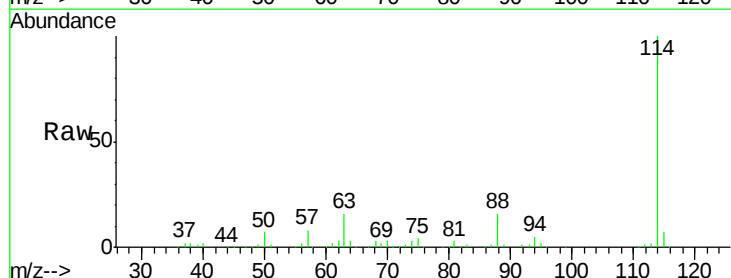
Tgt Ion: 114 Resp: 1253175

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

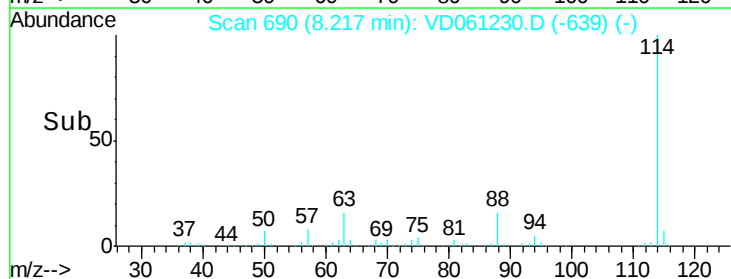
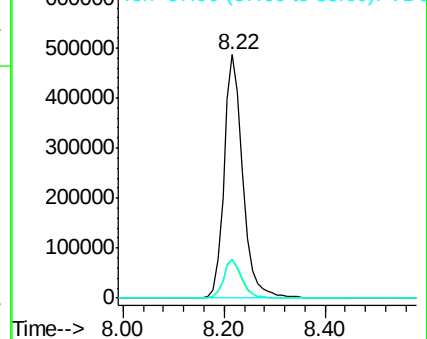
88 16.0 0.0 33.0

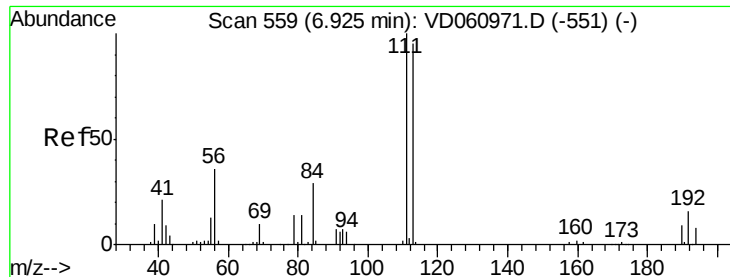


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

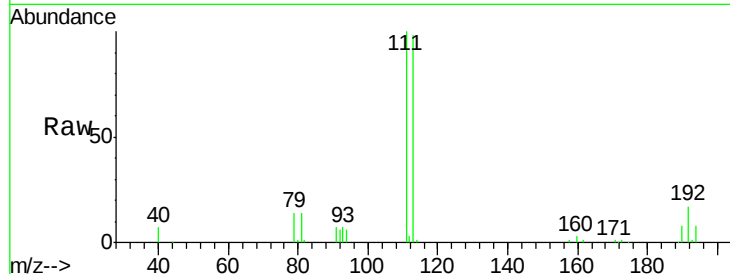




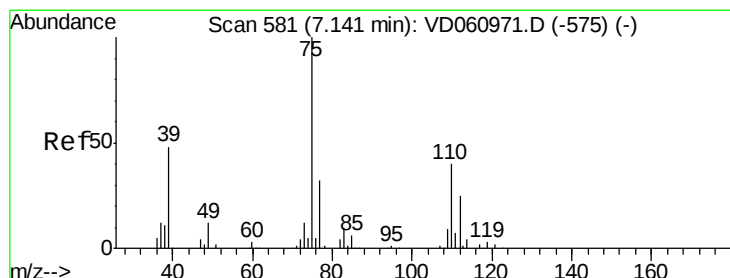
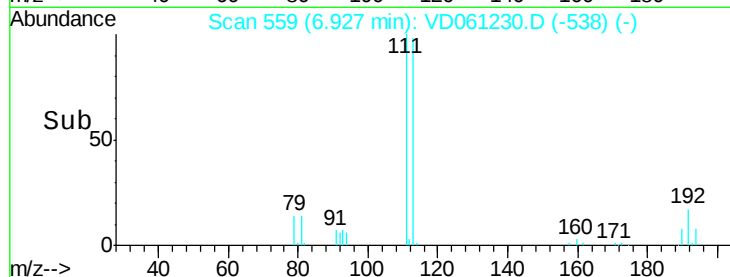
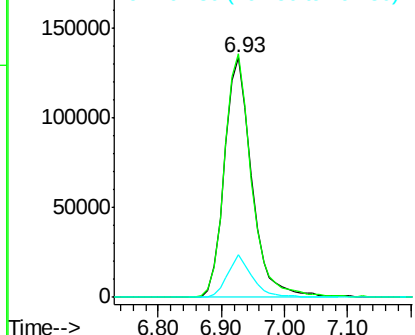
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 400943
Ion Ratio Lower Upper
113 100
111 101.6 84.2 126.4
192 17.7 13.1 19.7

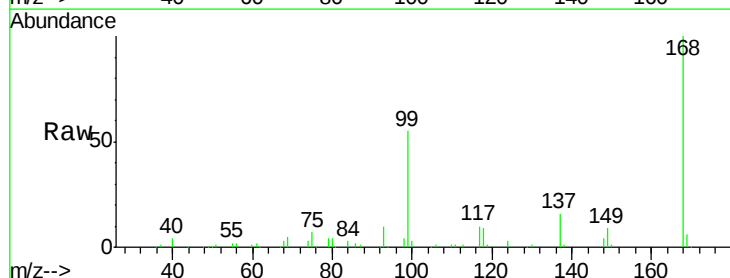


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

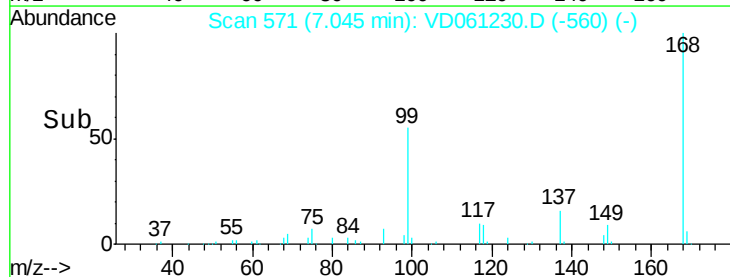
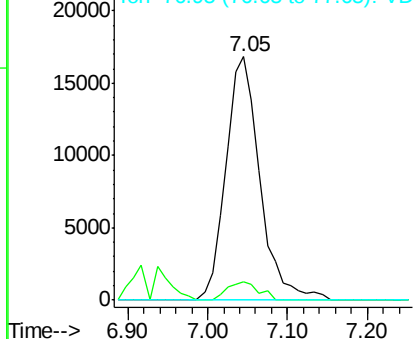


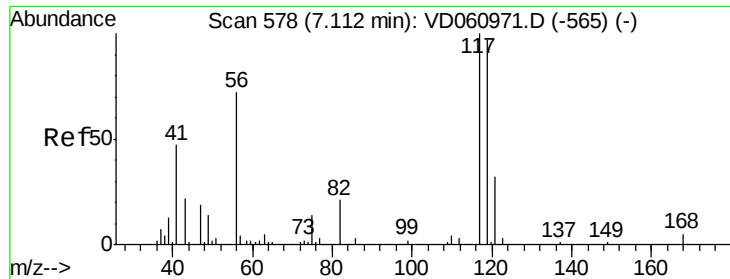
#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Tgt Ion: 75 Resp: 50329
Ion Ratio Lower Upper
75 100
110 7.3 19.7 59.1#
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

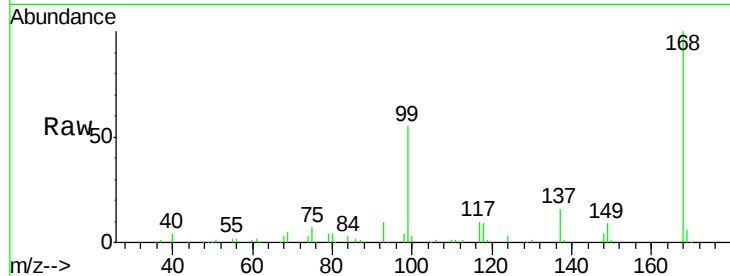




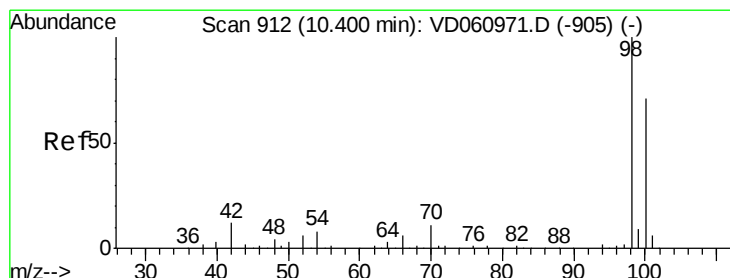
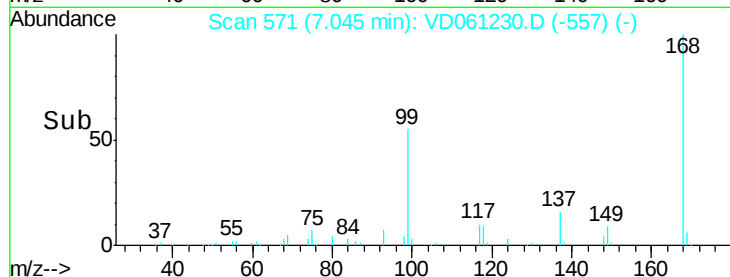
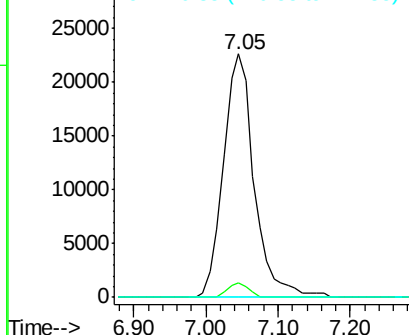
#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 66786
Ion Ratio Lower Upper
117 100
119 5.9 77.8 116.8#
121 0.0 25.3 37.9#

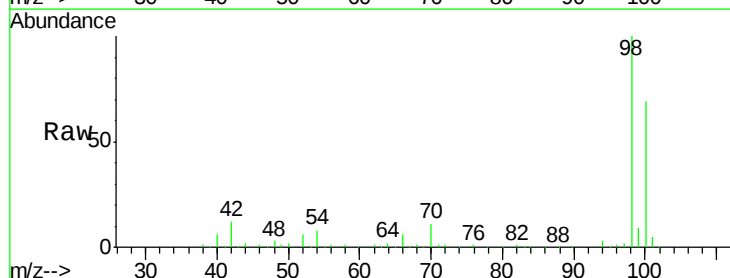


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

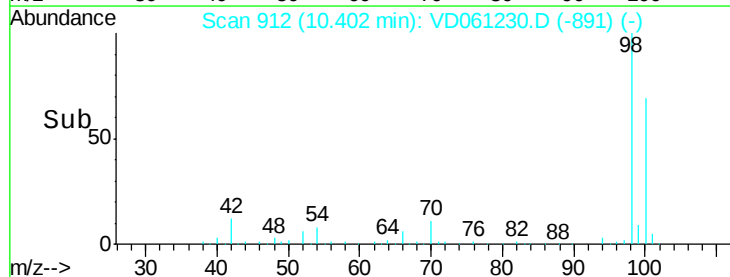
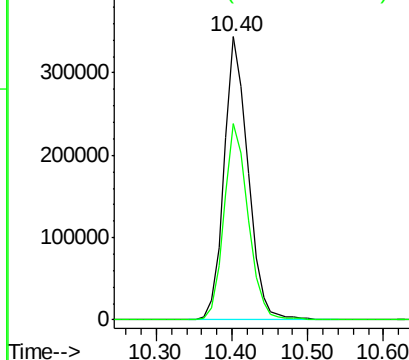


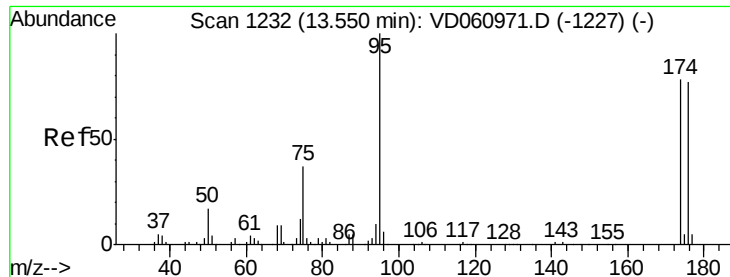
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061230.D
Acq: 21 Mar 2019 3:16

Tgt Ion: 98 Resp: 753180
Ion Ratio Lower Upper
98 100
100 69.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

Instrument :

MSVOA_D

ClientSampleId :

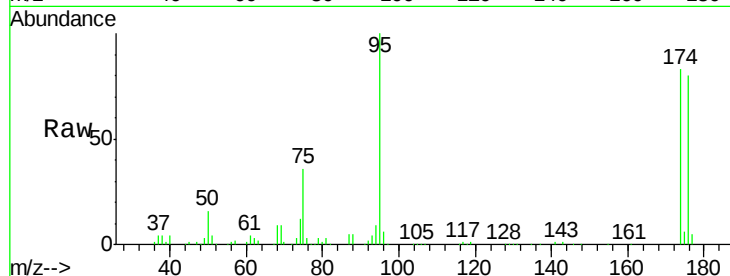
Tot Ion: 95 Resp: 345210

Ion Ratio Lower Upper

95 100

174 83.0 0.0 155.6

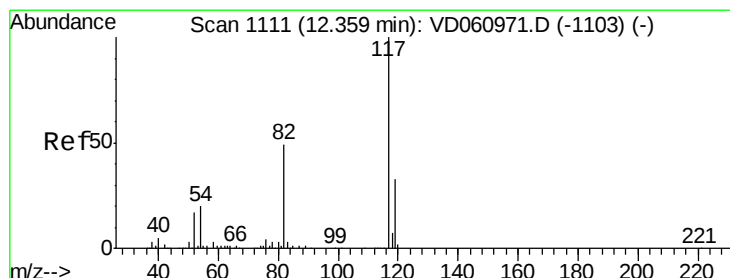
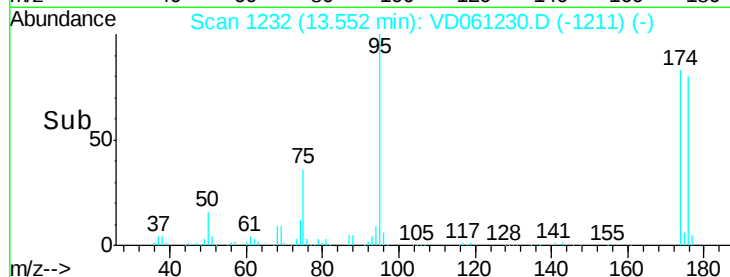
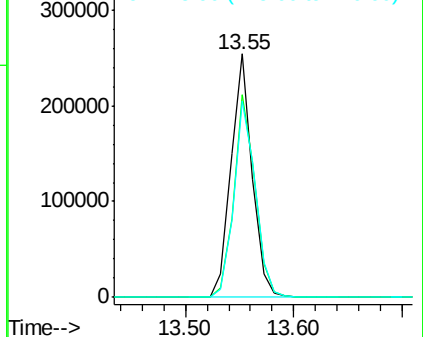
176 80.4 0.0 153.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

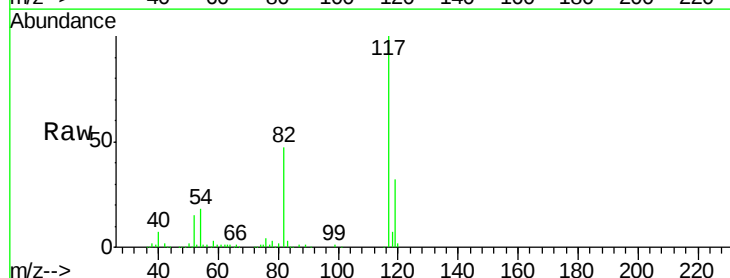
Tgt Ion: 117 Resp: 900277

Ion Ratio Lower Upper

117 100

82 46.9 38.9 58.3

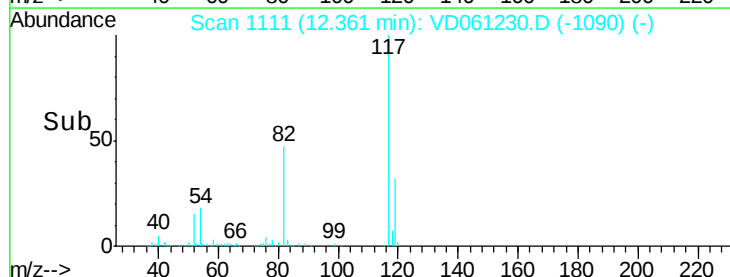
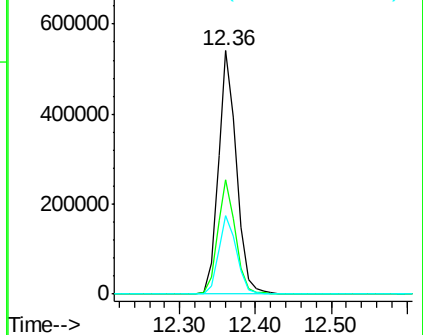
119 32.1 26.6 39.8

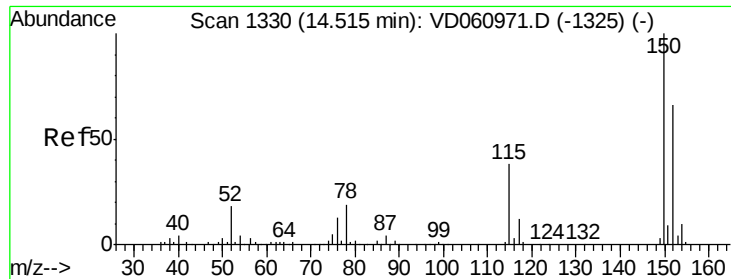


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

Instrument :

MSVOA_D

ClientSampleId :

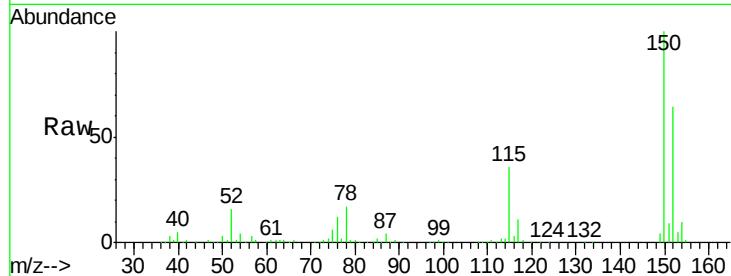
Tot Ion:152 Resp: 410076

Ion Ratio Lower Upper

152 100

115 56.3 28.6 85.9

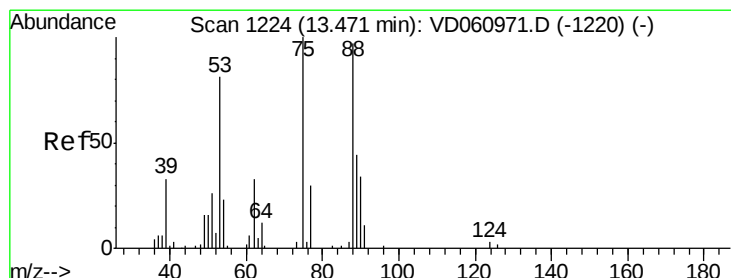
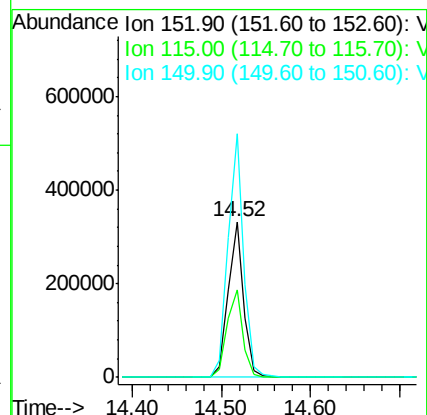
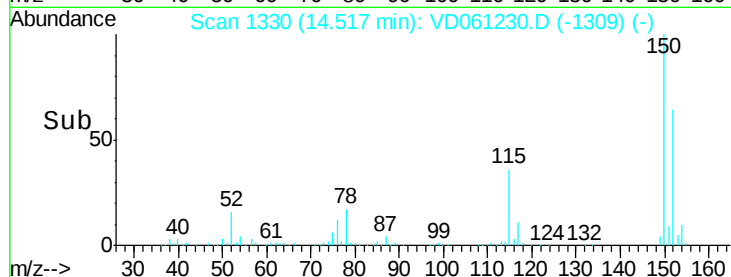
150 156.2 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.736 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061230.D

Acq: 21 Mar 2019 3:16

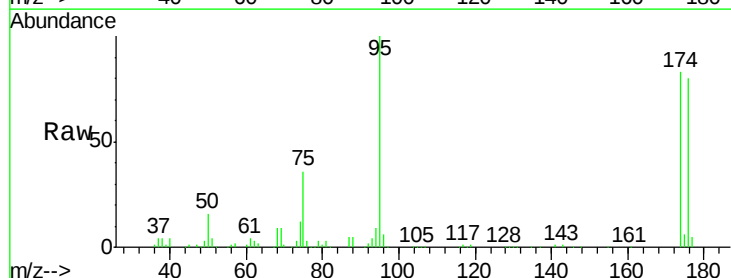
Tgt Ion: 75 Resp: 126514

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

