

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061659.D
 Acq On : 8 Apr 2019 19:15
 Operator : VA/AP
 Sample : K2309-01
 Misc : 5.40g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:22:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	21485	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	35404	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	31803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	13176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	10931	67.12	ug/l	0.02
Spiked Amount			Recovery	=	134.24%	
35) Dibromofluoromethane	6.94	113	13345	54.41	ug/l	0.02
Spiked Amount			Recovery	=	108.82%	
50) Toluene-d8	10.42	98	24436	39.65	ug/l	0.02
Spiked Amount			Recovery	=	79.30%	
62) 4-Bromofluorobenzene	13.56	95	10769	49.64	ug/l	0.01
Spiked Amount			Recovery	=	99.28%	

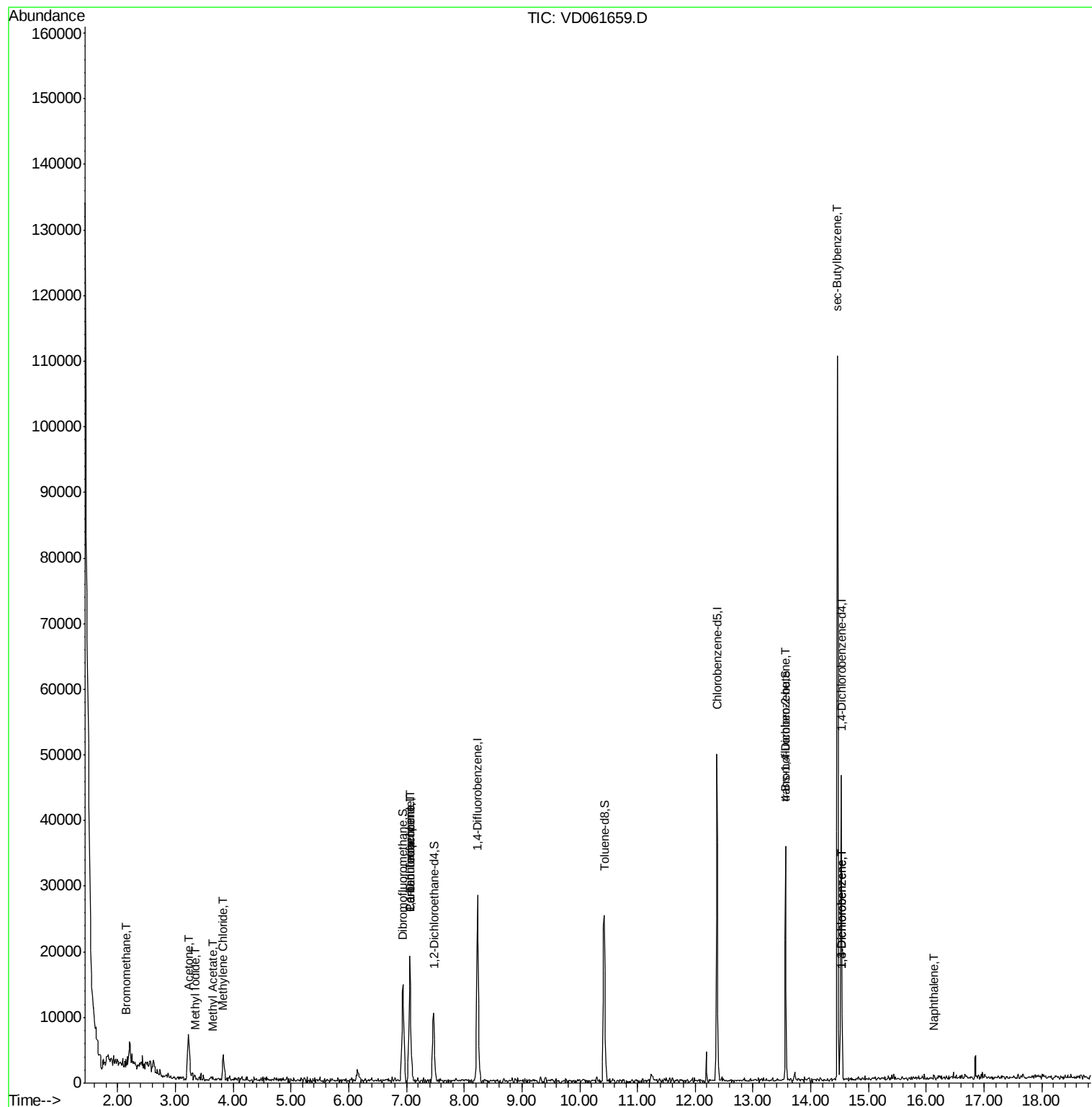
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	276	6.813	ug/l #	12
10) Methyl Iodide	3.33	142	368	4.535	ug/l #	38
16) Acetone	3.23	43	14177	291.212	ug/l	91
18) Methyl Acetate	3.64	43	402	4.389	ug/l #	53
20) Methylene Chloride	3.83	84	2768	10.020	ug/l #	80
36) 1,1-Dichloropropene	7.06	75	989	3.192	ug/l #	39
38) Carbon Tetrachloride	7.07	117	1280	3.525	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.56	75	3916	71.989	ug/l #	20
85) sec-Butylbenzene	14.46	105	1172	1.291	ug/l #	61
87) 1,3-Dichlorobenzene	14.55	146	555	1.265	ug/l #	25
88) 1,4-Dichlorobenzene	14.55	146	555	1.254	ug/l #	25
95) Naphthalene	16.12	128	659	2.262	ug/l #	70

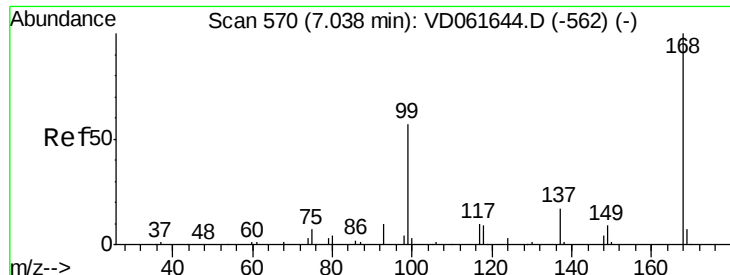
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040819\
Data File : VD061659.D
Acq On : 8 Apr 2019 19:15
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

Instrument :

MSVOA_D

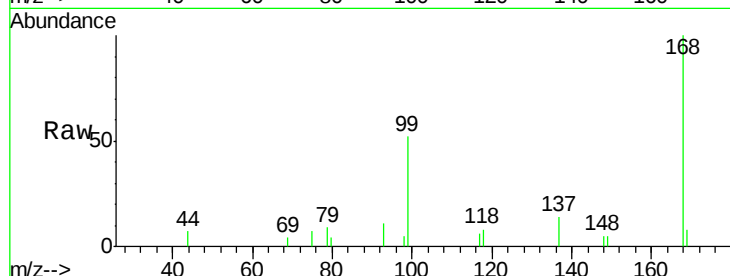
ClientSampleId :

Tot Ion:168 Resp: 21485

Ion Ratio Lower Upper

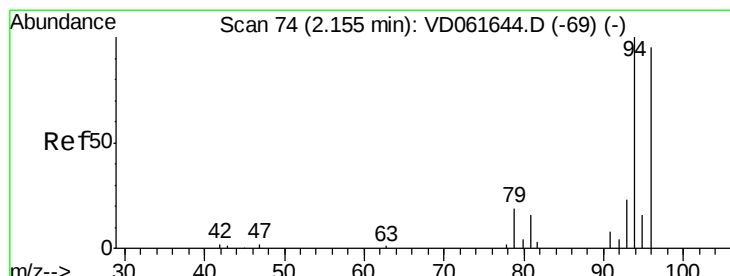
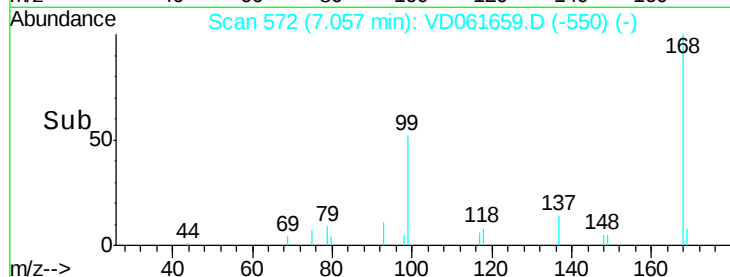
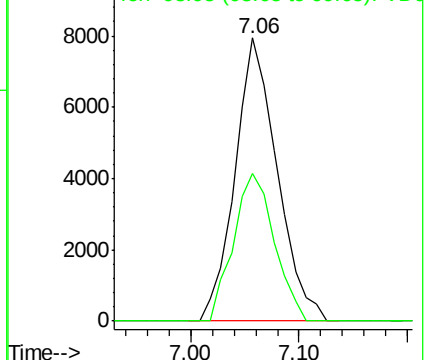
168 100

99 52.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 6.813 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

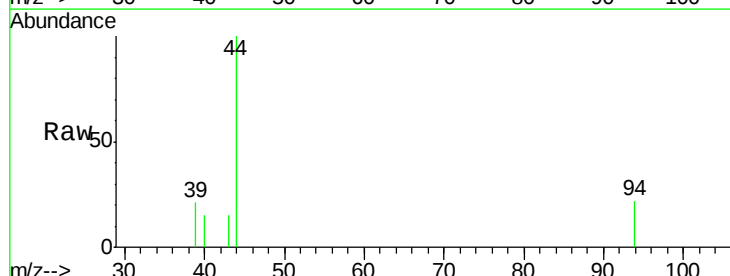
Tgt Ion: 94 Resp: 276

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

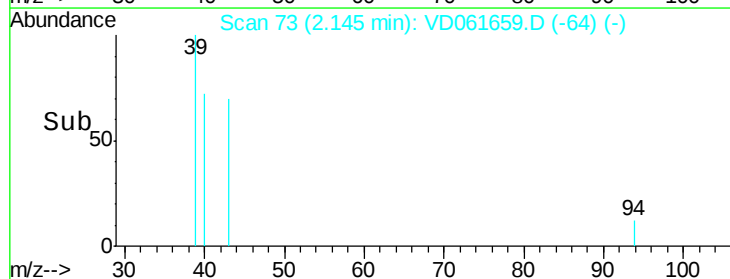
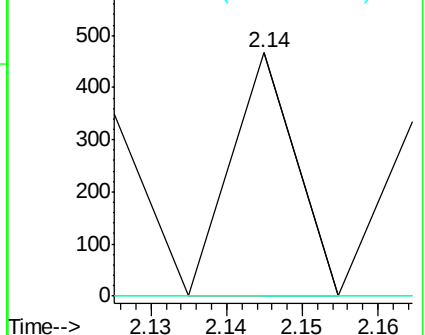
93 0.0 18.6 28.0#

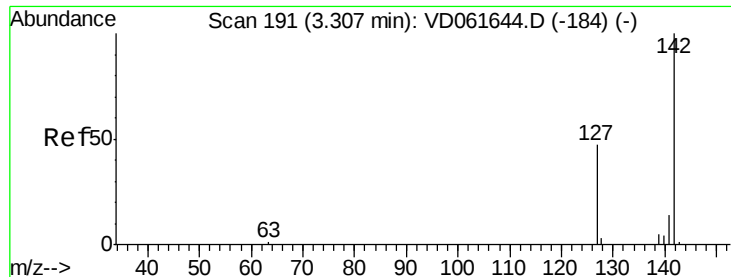


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

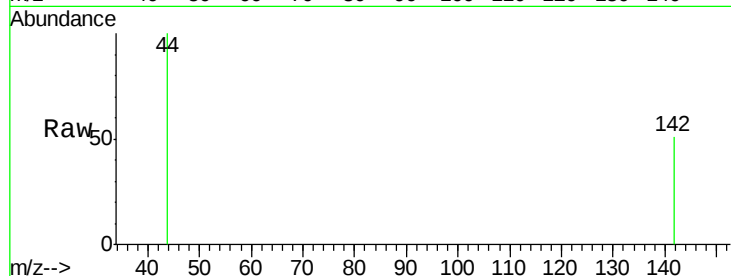




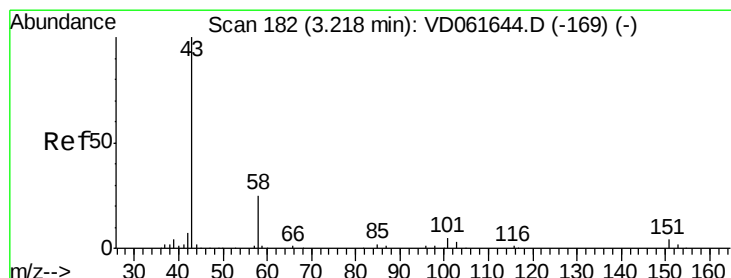
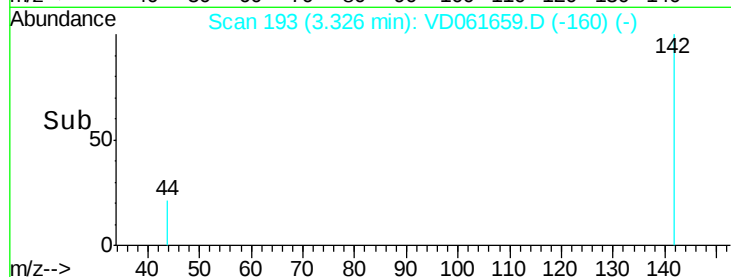
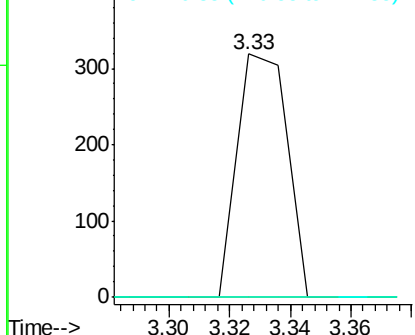
#10
Methvl Iodide
Concen: 4.535 ug/l
RT: 3.33 min Scan# 193
Delta R.T. 0.02 min
Lab File: VD061659.D
Acq: 8 Apr 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 10.8 16.2#

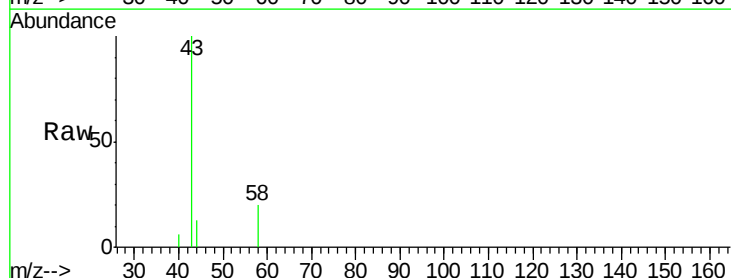


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

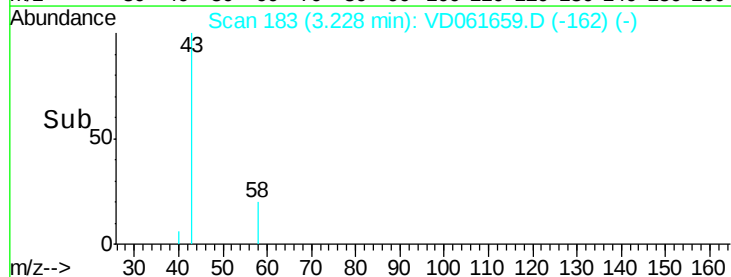
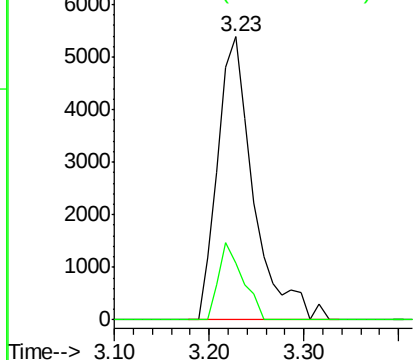


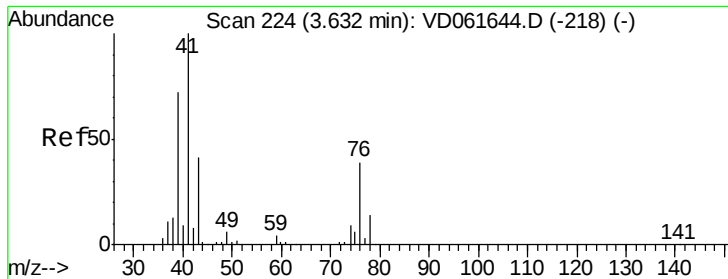
#16
Acetone
Concen: 291.212 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD061659.D
Acq: 8 Apr 2019 19:15

Tgt Ion: 43 Resp: 14177
Ion Ratio Lower Upper
43 100
58 19.9 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

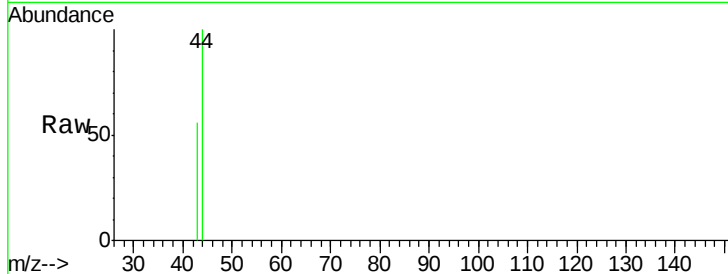




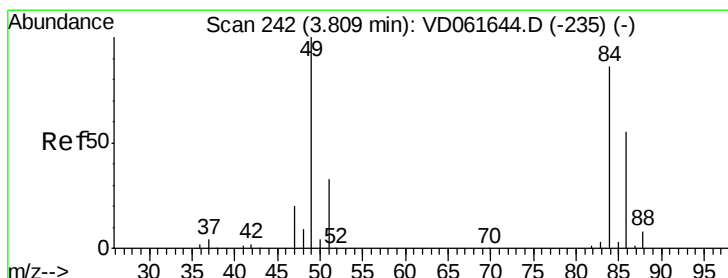
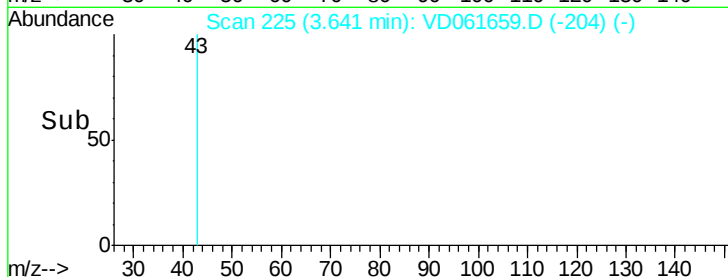
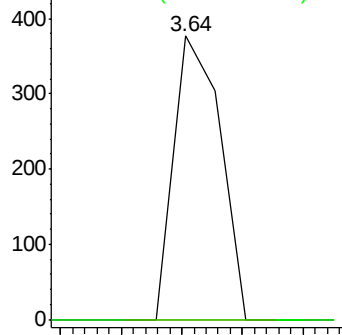
#18
Methyl Acetate
Concen: 4.389 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061659.D
Acq: 8 Apr 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#

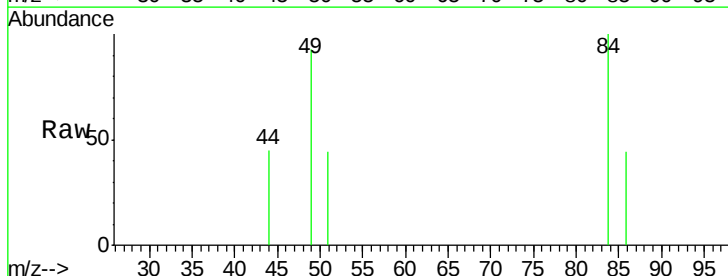


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

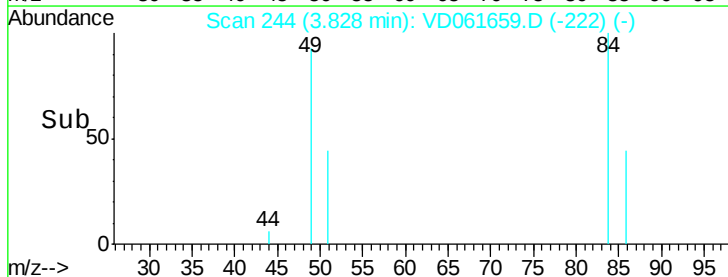
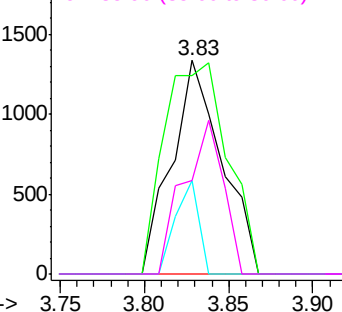


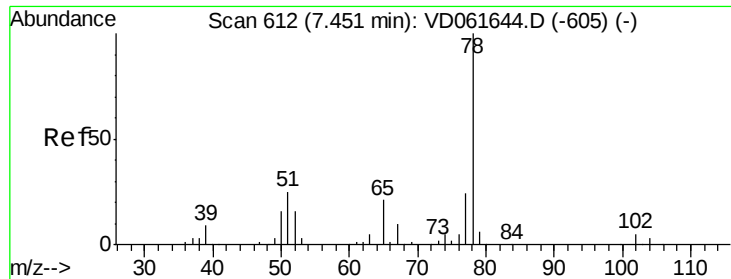
#20
Methylene Chloride
Concen: 10.020 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061659.D
Acq: 8 Apr 2019 19:15

Tgt Ion: 84 Resp: 2768
Ion Ratio Lower Upper
84 100
49 93.1 93.0 139.4
51 44.0 30.4 45.6
86 43.9 51.0 76.4#



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

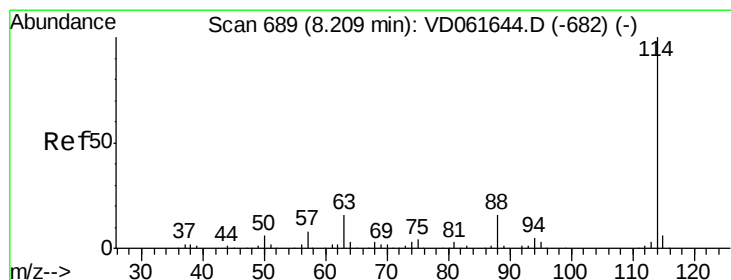
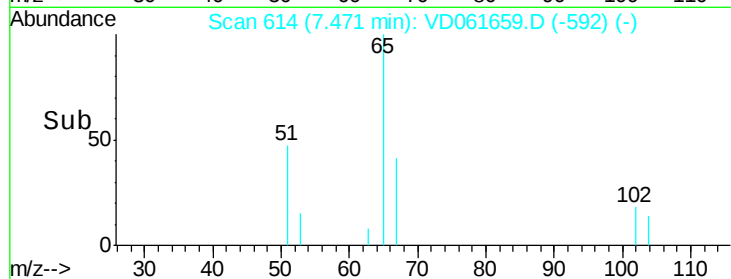
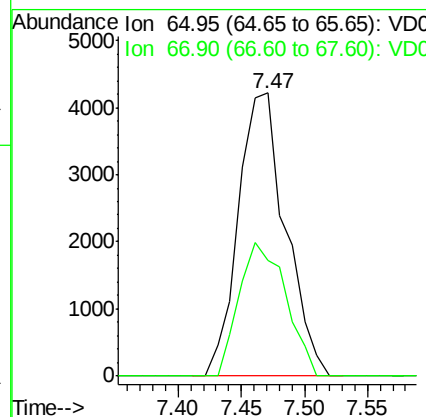
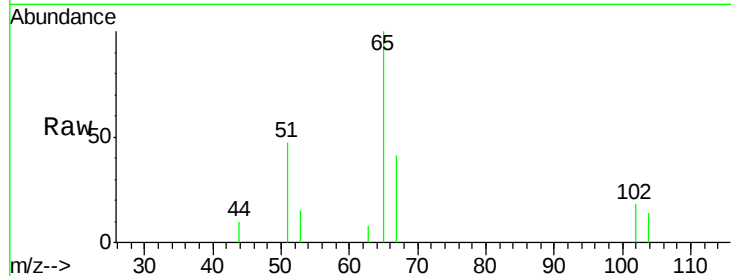




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061659.D
 Acq: 8 Apr 2019 19:15

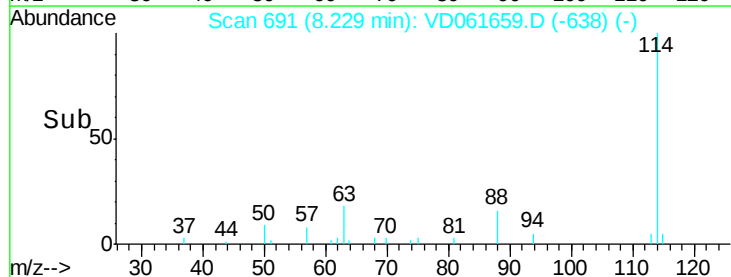
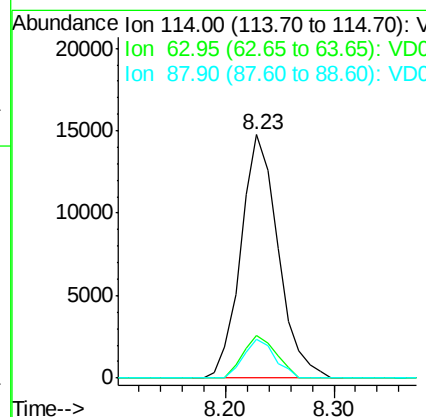
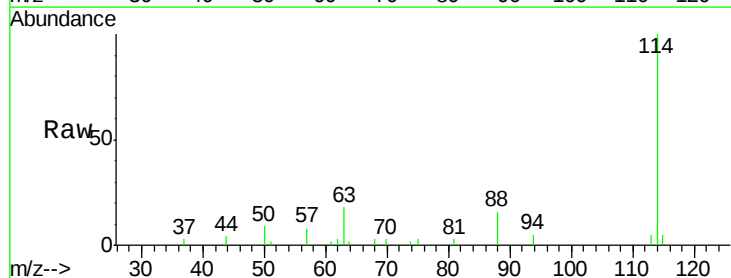
Instrument :
 MSVOA_D
 ClientSampled :

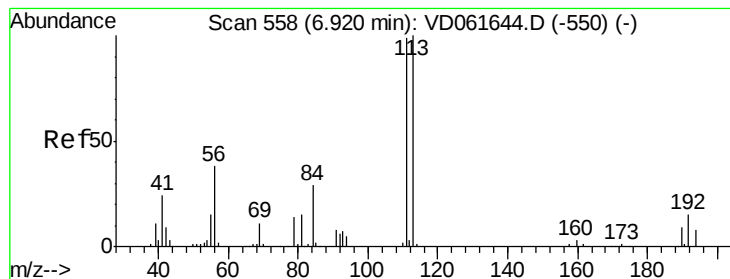
Tot Ion: 65 Resp: 10931
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061659.D
 Acq: 8 Apr 2019 19:15

Tgt Ion: 114 Resp: 35404
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 31.2
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

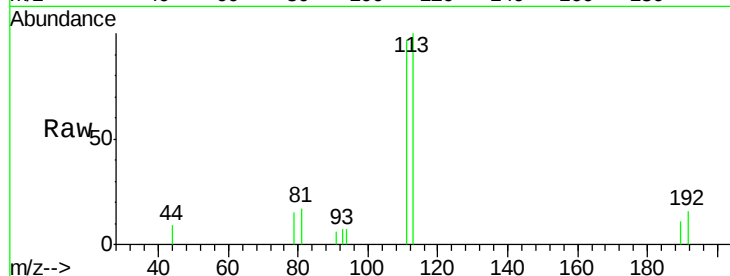
Tot Ion:113 Resp: 13345

Ion Ratio Lower Upper

113 100

111 97.2 79.3 118.9

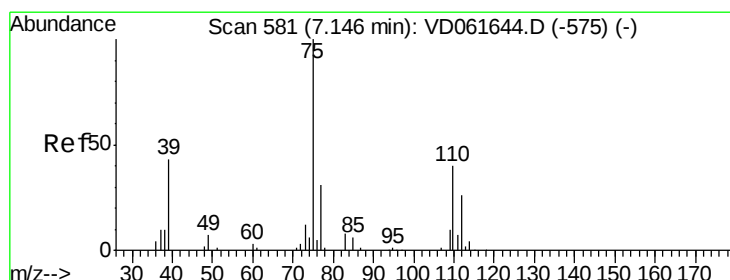
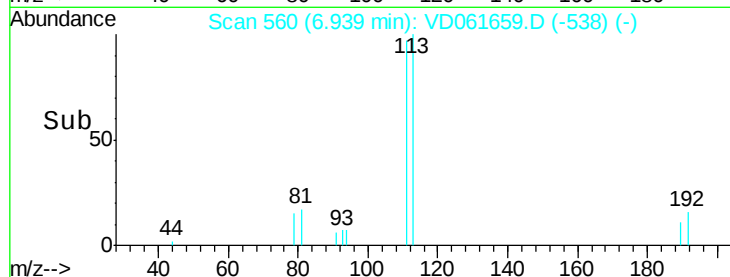
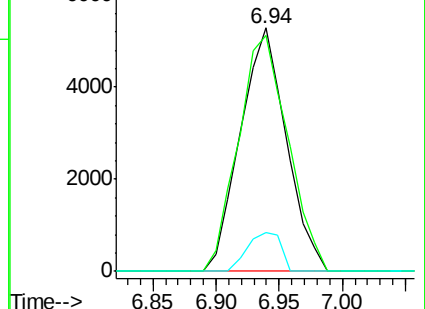
192 16.1 12.3 18.5



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: 3.192 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

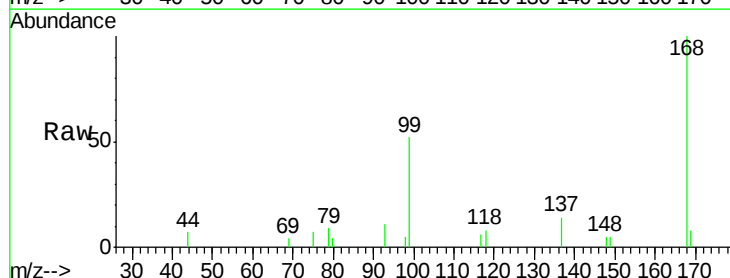
Tgt Ion: 75 Resp: 989

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

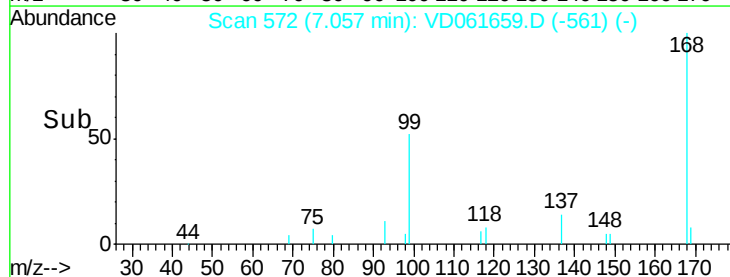
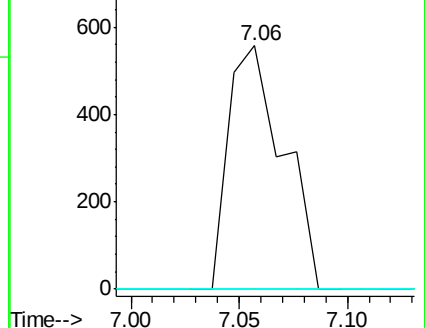
77 0.0 24.8 37.2#

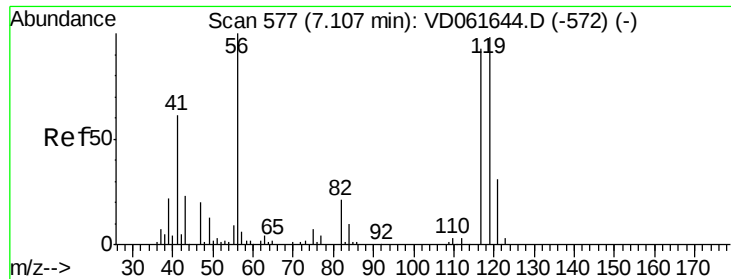


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

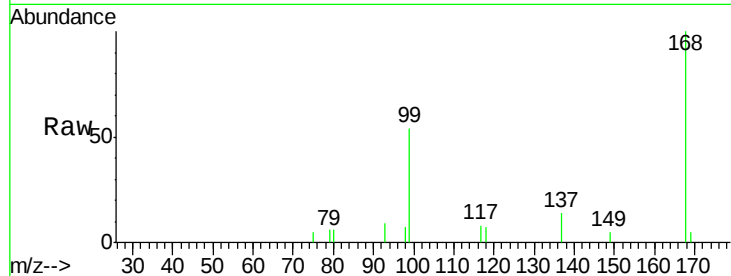




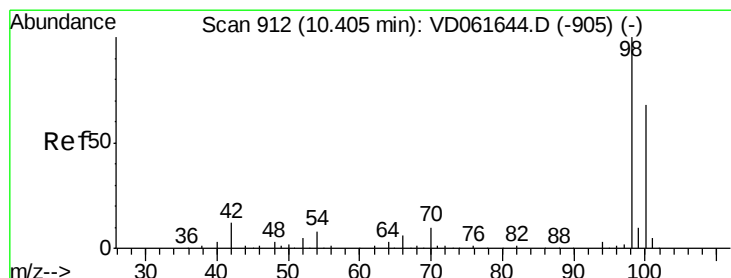
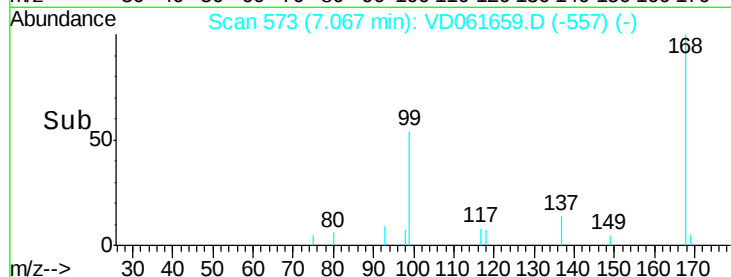
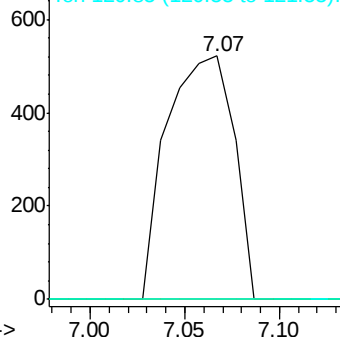
#38
Carbon Tetrachloride
Concen: 3.525 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061659.D
Acq: 8 Apr 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1280
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#

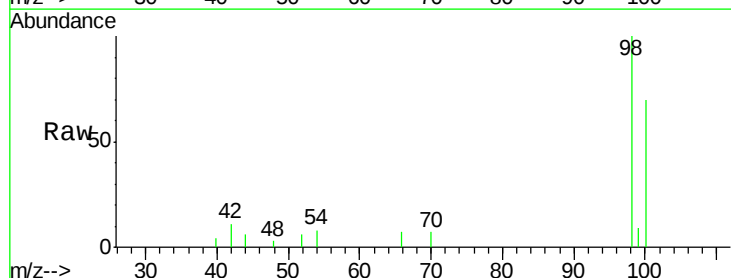


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

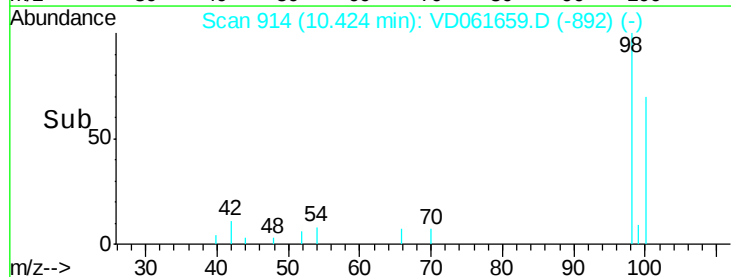
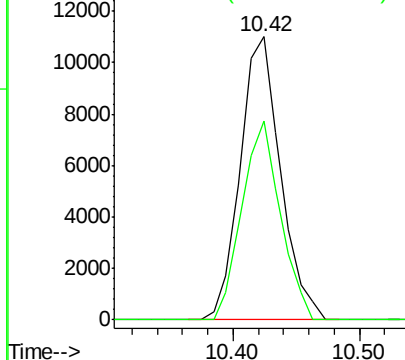


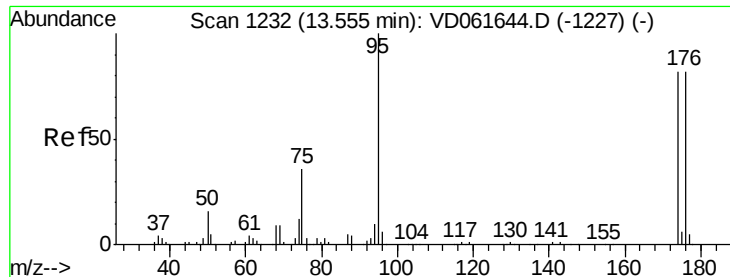
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061659.D
Acq: 8 Apr 2019 19:15

Tgt Ion: 98 Resp: 24436
Ion Ratio Lower Upper
98 100
100 70.1 55.4 83.0



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

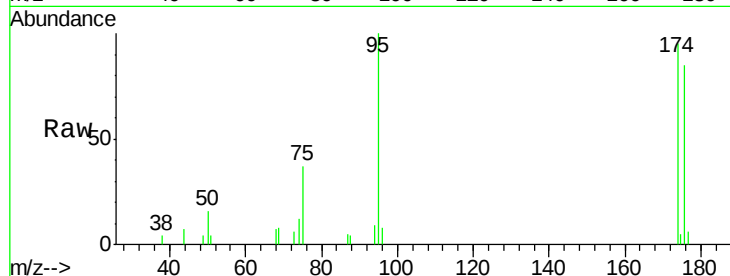
Tot Ion: 95 Resp: 10769

Ion Ratio Lower Upper

95 100

174 94.6 0.0 164.6

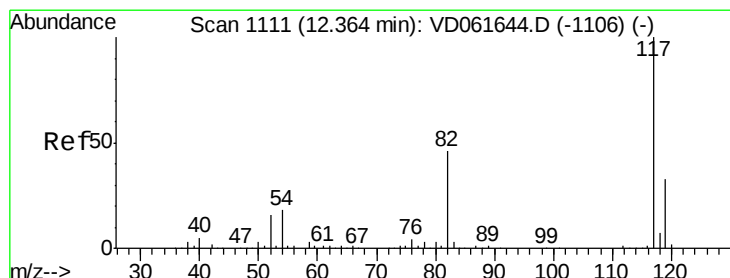
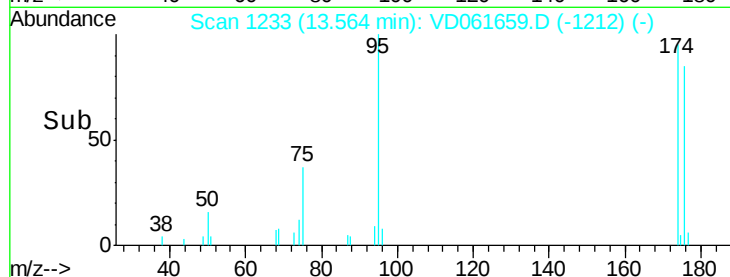
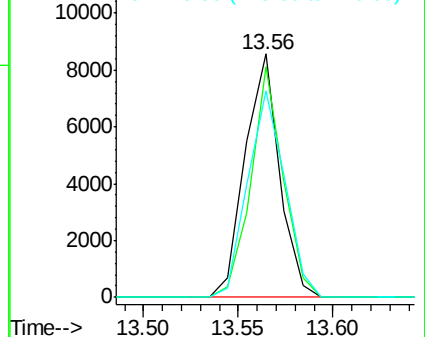
176 84.6 0.0 165.0



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

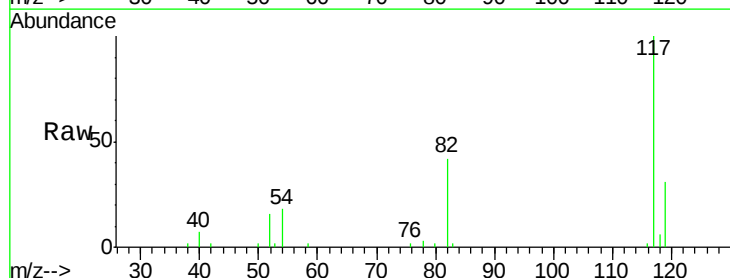
Tgt Ion: 117 Resp: 31803

Ion Ratio Lower Upper

117 100

82 42.2 36.8 55.2

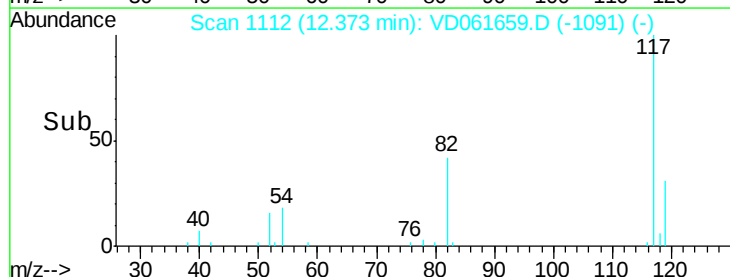
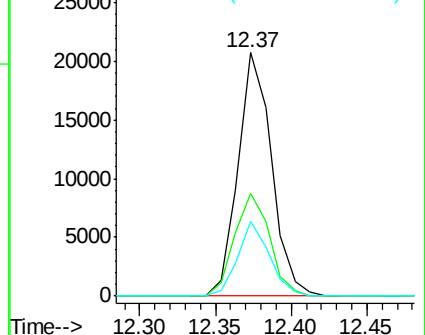
119 30.7 26.1 39.1

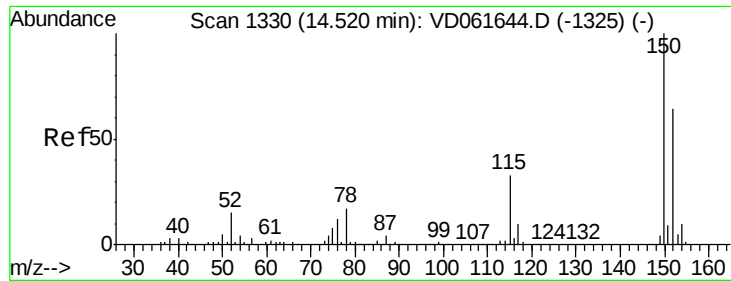


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

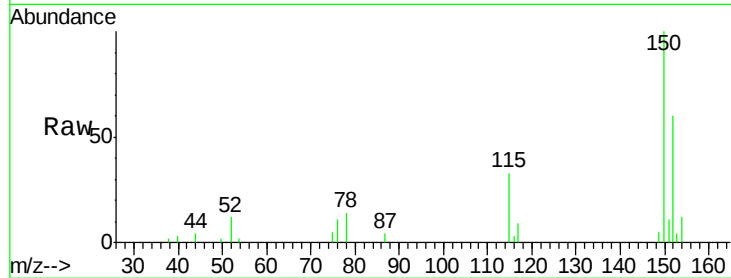
Tot Ion:152 Resp: 13176

Ion Ratio Lower Upper

152 100

115 54.9 26.4 79.2

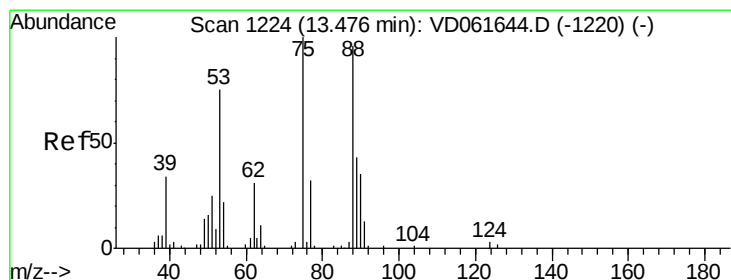
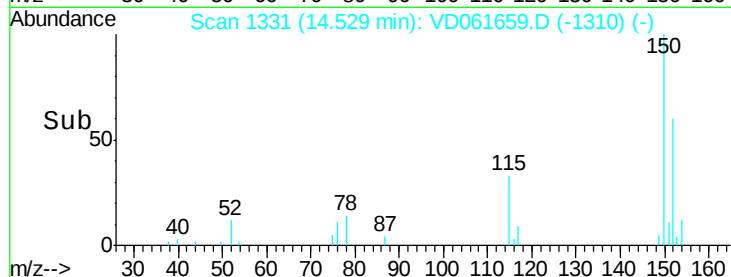
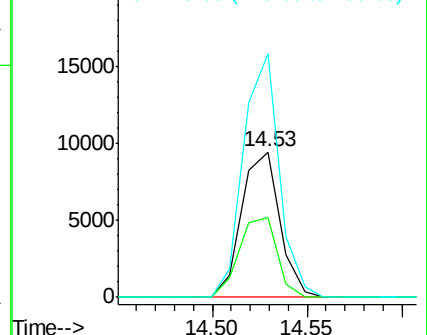
150 167.3 0.0 320.6



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: 71.989 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

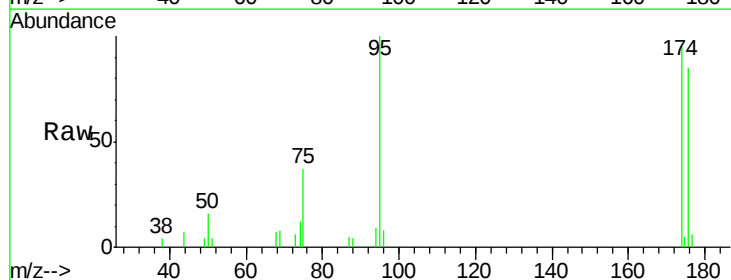
Tgt Ion: 75 Resp: 3916

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

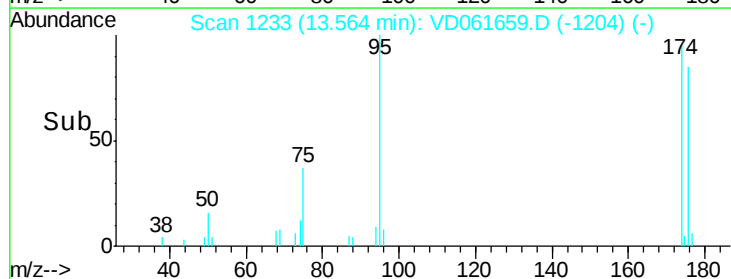
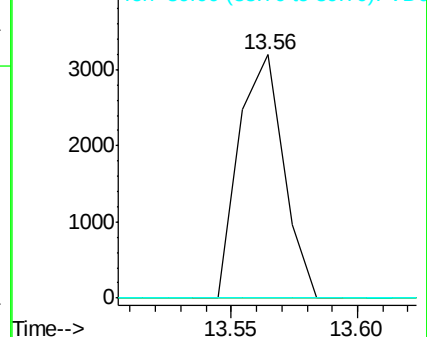
89 0.0 34.2 51.2#

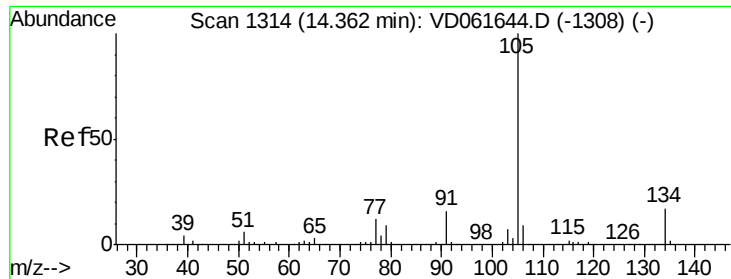


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#85

sec-Butylbenzene

Concen: 1.291 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.10 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

Instrument :

MSVOA_D

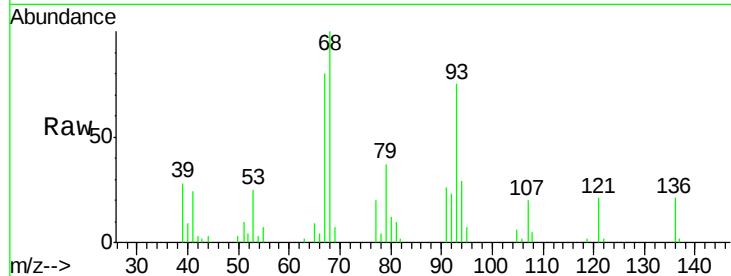
ClientSampleId :

Tot Ion:105 Resp: 1172

Ion Ratio Lower Upper

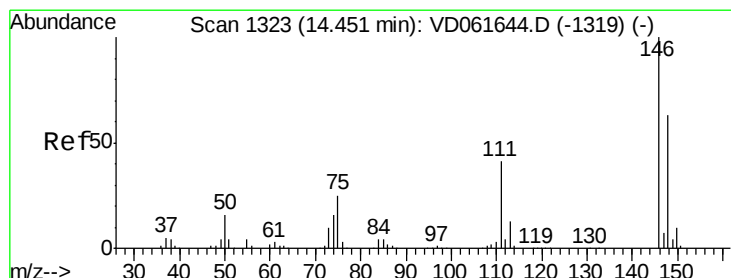
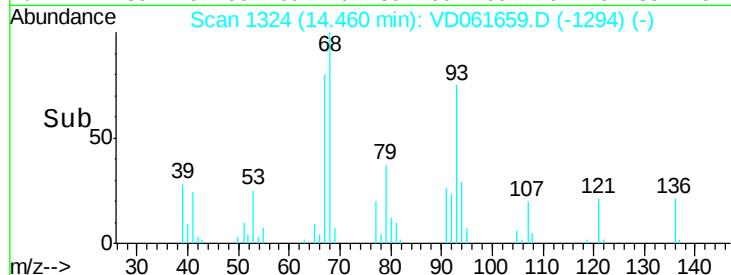
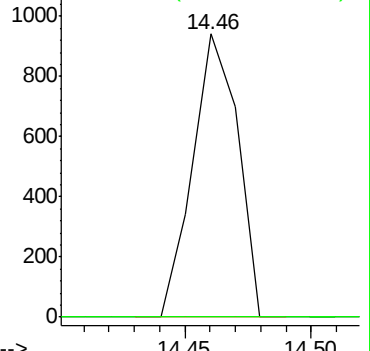
105 100

134 0.0 8.6 25.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#87

1,3-Dichlorobenzene

Concen: 1.265 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.10 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

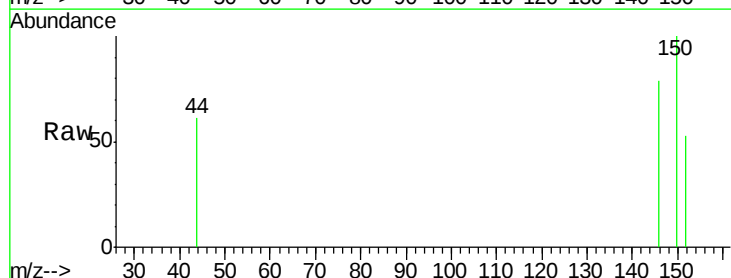
Tgt Ion:146 Resp: 555

Ion Ratio Lower Upper

146 100

111 0.0 20.3 61.0#

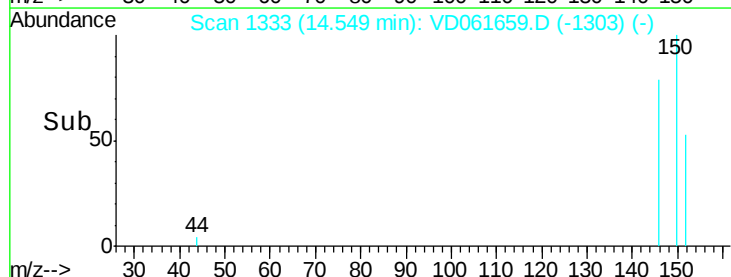
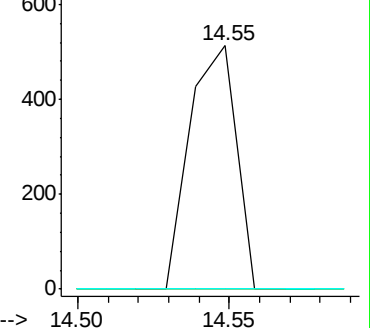
148 0.0 31.7 95.1#

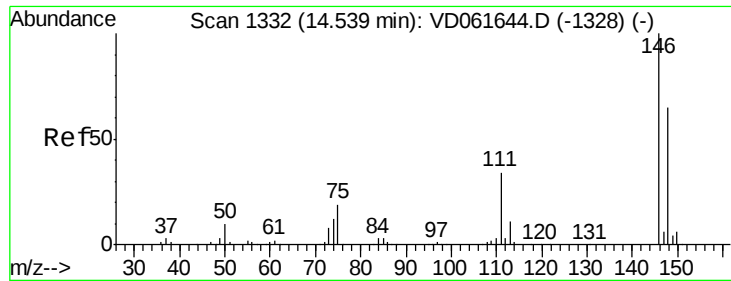


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.254 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

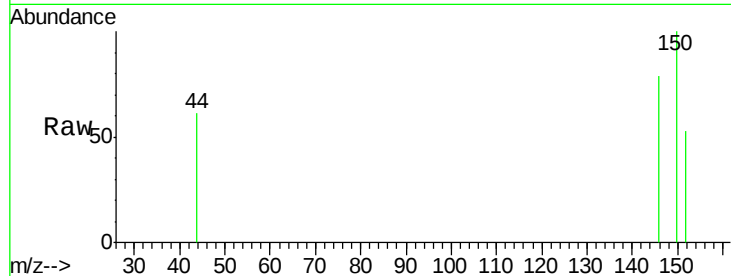
Tot Ion:146 Resp: 555

Ion Ratio Lower Upper

146 100

111 0.0 17.1 51.2#

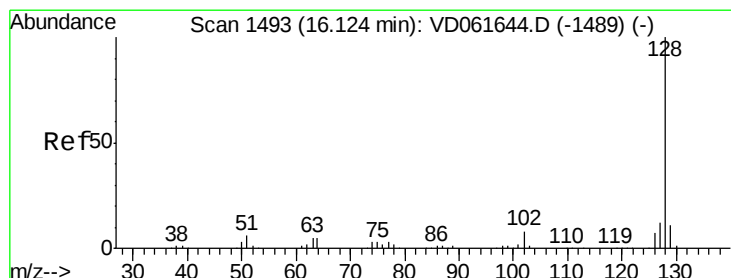
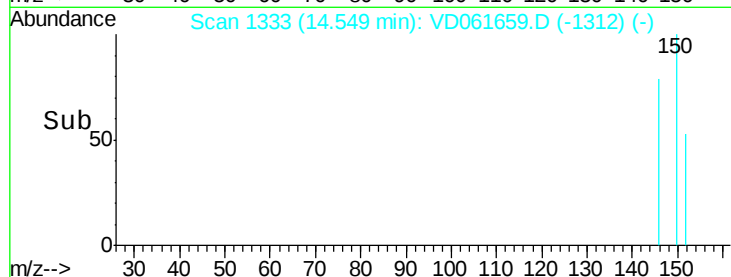
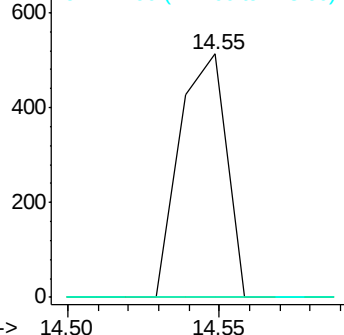
148 0.0 32.6 97.7#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 2.262 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061659.D

Acq: 8 Apr 2019 19:15

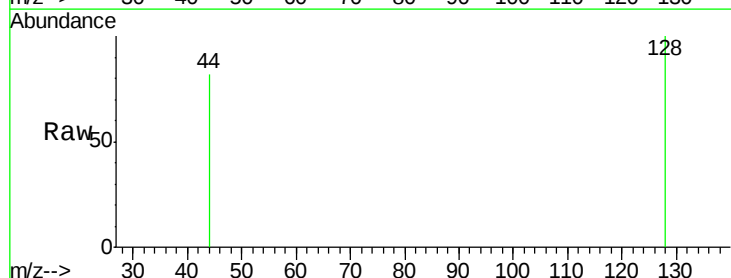
Tgt Ion:128 Resp: 659

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

