

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061493.D
 Acq On : 2 Apr 2019 4:26
 Operator : VA/AP
 Sample : K1689-03RE
 Misc : 7.26g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 06:29:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

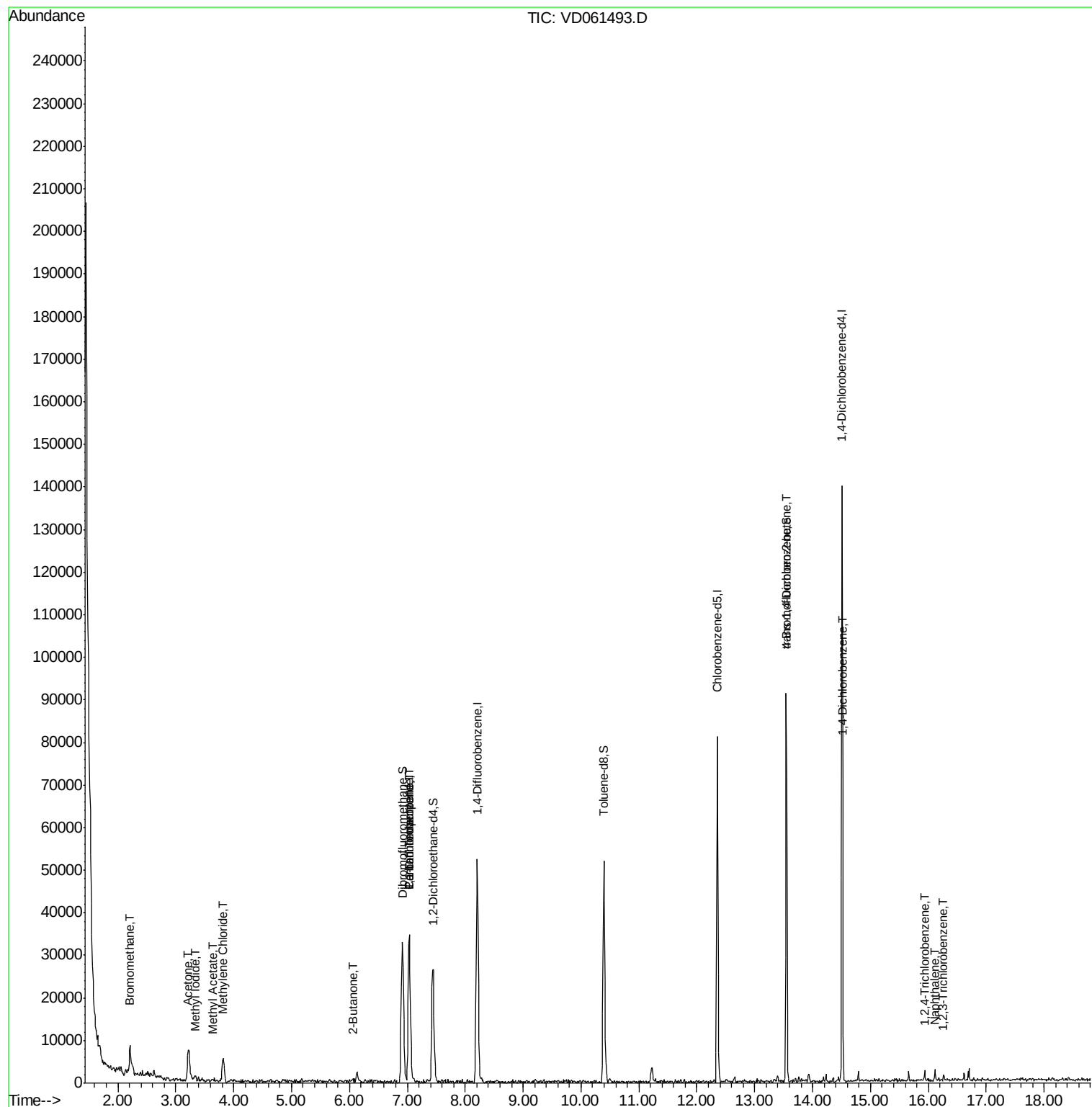
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	37301	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	68668	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	54483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	29078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	29085	91.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	182.56%	
35) Dibromofluoromethane	6.92	113	33338	63.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	127.06%	
50) Toluene-d8	10.39	98	47569	37.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.60%	
62) 4-Bromofluorobenzene	13.54	95	29654	61.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.88%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	814	13.761	ug/l #	29
10) Methyl Iodide	3.33	142	1537	5.484	ug/l #	87
16) Acetone	3.23	43	15557	189.924	ug/l #	89
18) Methyl Acetate	3.64	43	235	1.365	ug/l #	55
20) Methylene Chloride	3.83	84	3667	6.314	ug/l #	81
25) 2-Butanone	6.06	43	236	2.290	ug/l #	54
36) 1,1-Dichloropropene	7.04	75	2374	3.961	ug/l #	38
38) Carbon Tetrachloride	7.04	117	3171	4.604	ug/l #	10
81) trans-1,4-Dichloro-2-buten	13.54	75	10719	83.696	ug/l #	18
88) 1,4-Dichlorobenzene	14.53	146	1029	1.039	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.93	180	1054	2.776	ug/l #	76
95) Naphthalene	16.11	128	2189	3.783	ug/l #	82
96) 1,2,3-Trichlorobenzene	16.26	180	640	3.831	ug/l #	81

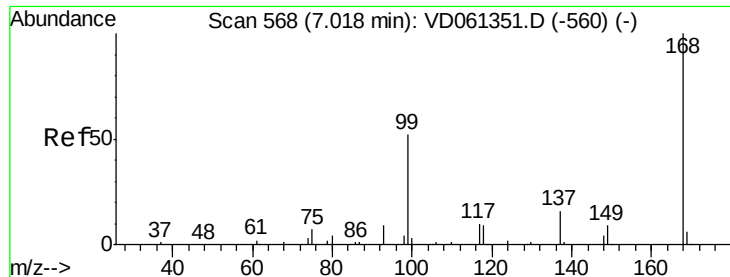
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061493.D

Acq: 2 Apr 2019 4:26

Instrument :

MSVOA_D

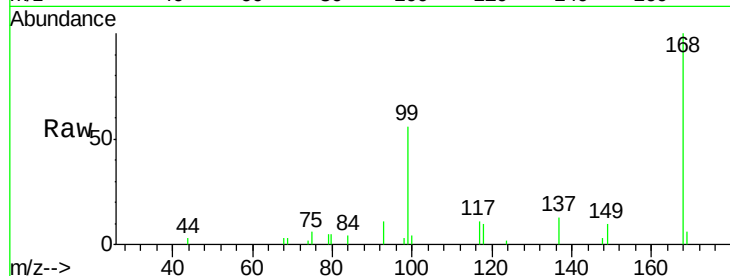
ClientSampleId :

Tot Ion:168 Resp: 37301

Ion Ratio Lower Upper

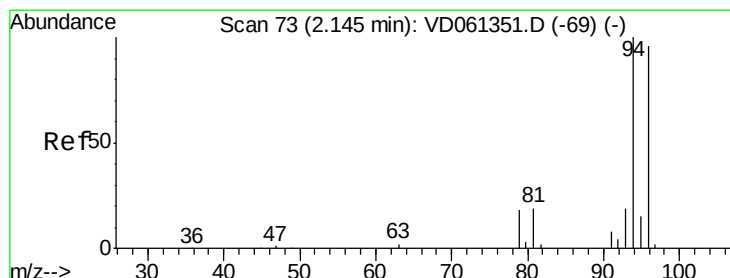
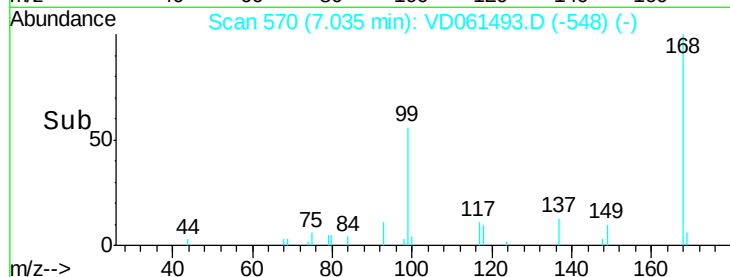
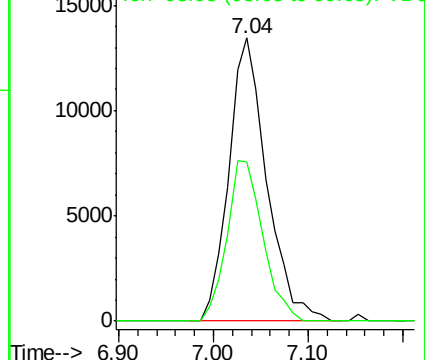
168 100

99 56.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 13.761 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD061493.D

Acq: 2 Apr 2019 4:26

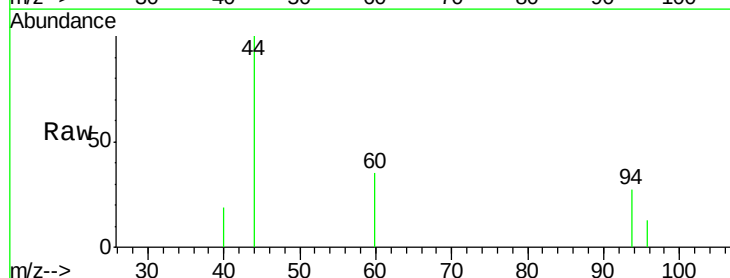
Tgt Ion: 94 Resp: 814

Ion Ratio Lower Upper

94 100

96 48.3 78.3 117.5#

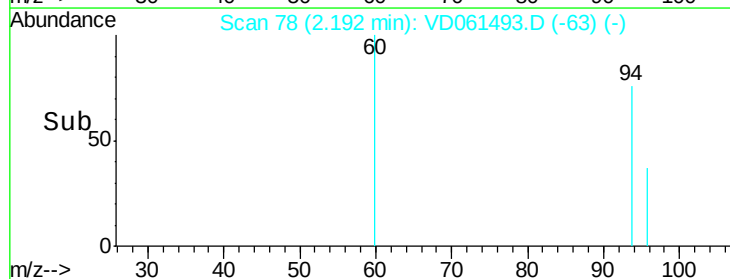
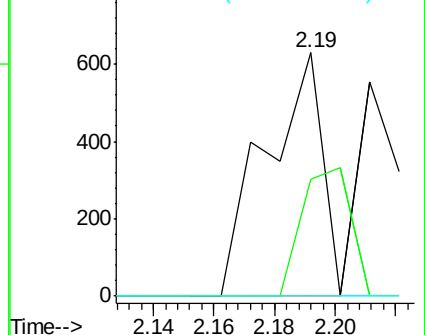
93 100.0 15.6 23.4#

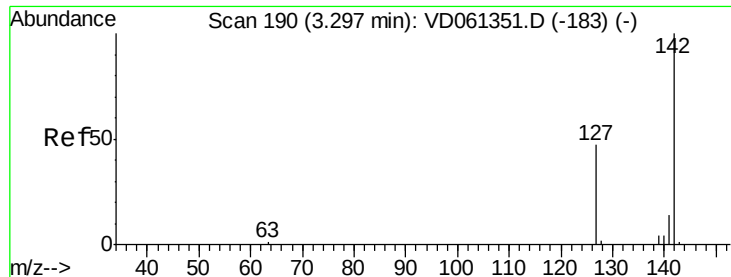


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

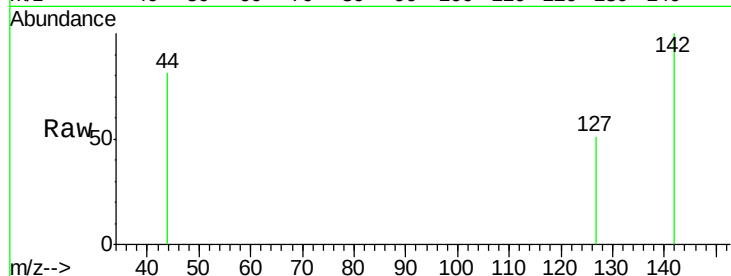




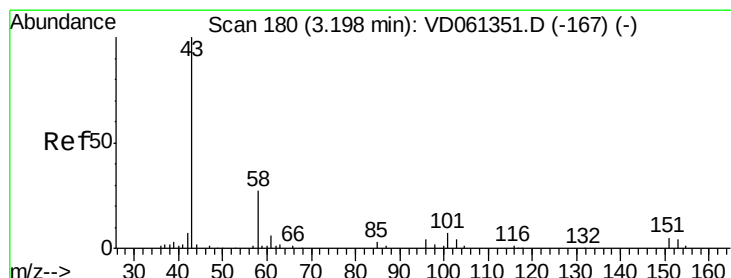
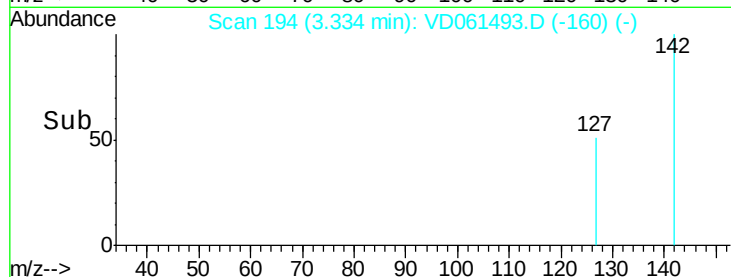
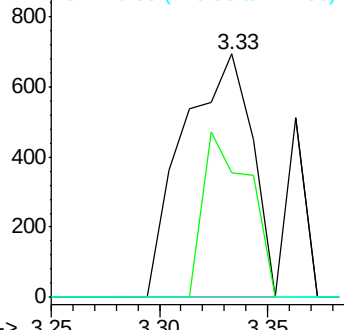
#10
Methvl Iodide
Concen: 5.484 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.04 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 1537
Ion Ratio Lower Upper
142 100
127 51.0 37.7 56.5
141 0.0 11.5 17.3#

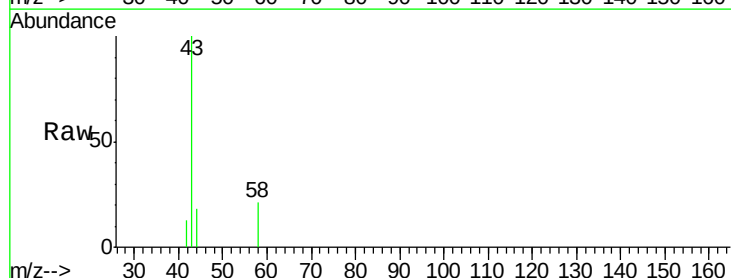


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

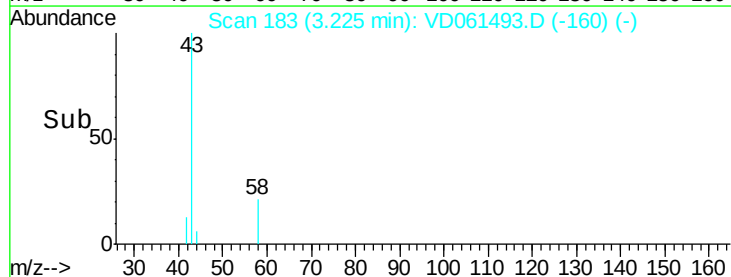
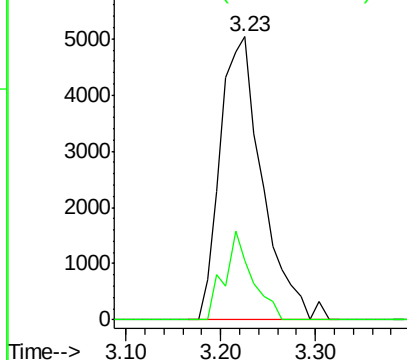


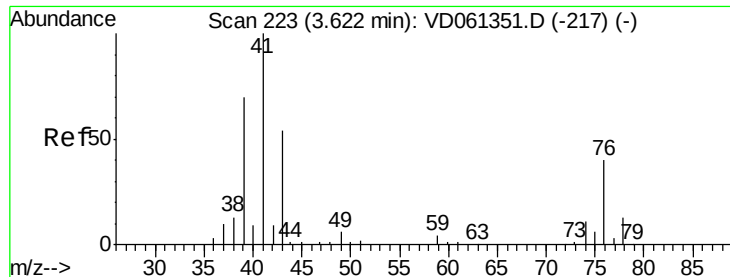
#16
Acetone
Concen: 189.924 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Tgt Ion: 43 Resp: 15557
Ion Ratio Lower Upper
43 100
58 21.0 21.5 32.3#



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

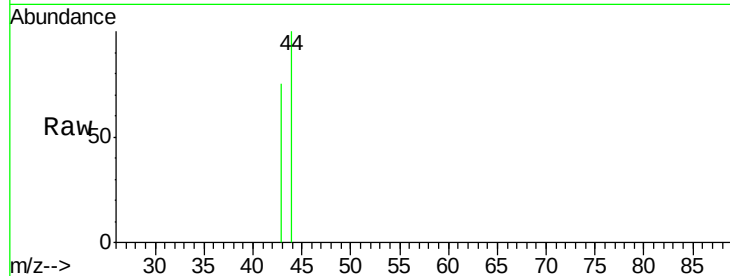




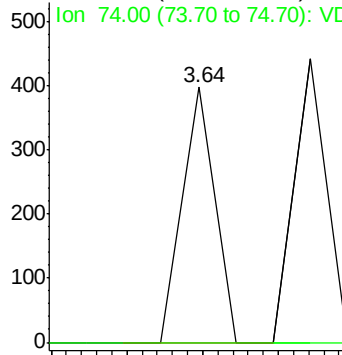
#18
Methyl Acetate
Concen: 1.365 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Instrument :
MSVOA_D
ClientSampleId :

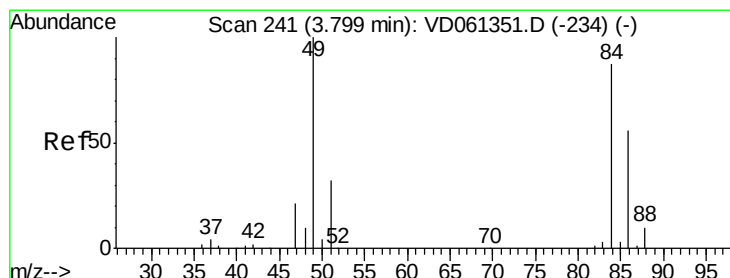
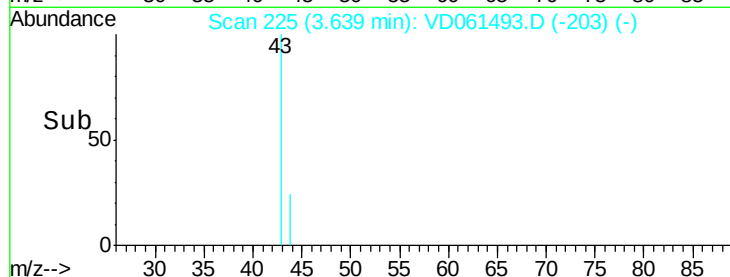
Tot Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



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

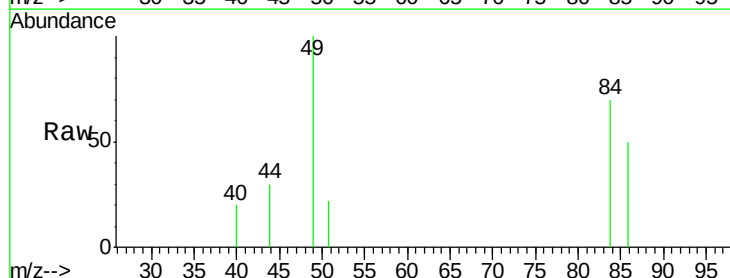


Time--> 3.60 3.62 3.64 3.66

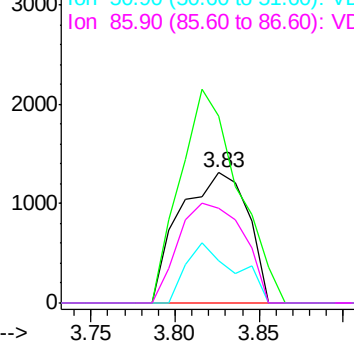


#20
Methylene Chloride
Concen: 6.314 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

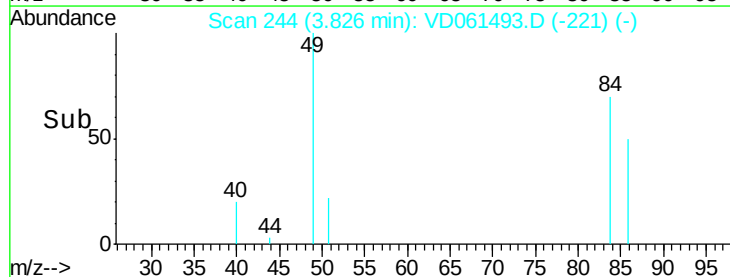
Tgt Ion: 84 Resp: 3667
Ion Ratio Lower Upper
84 100
49 143.7 91.8 137.8#
51 32.1 29.8 44.8
86 72.4 51.8 77.6

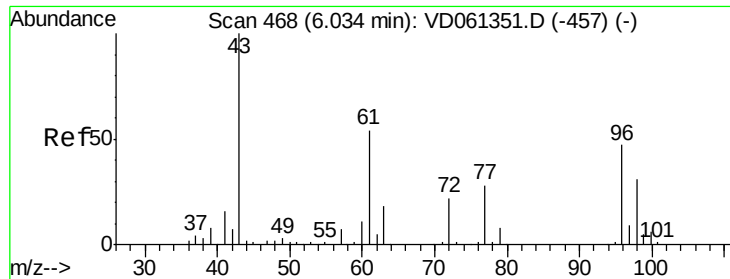


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



Time--> 3.75 3.80 3.85

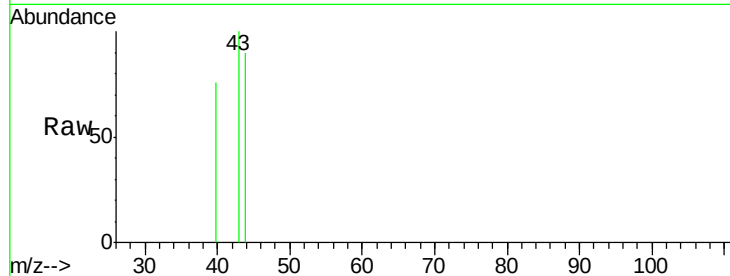




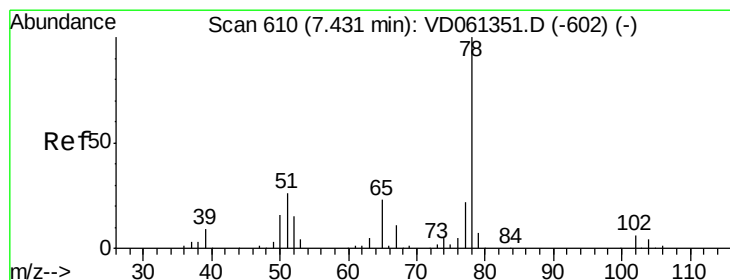
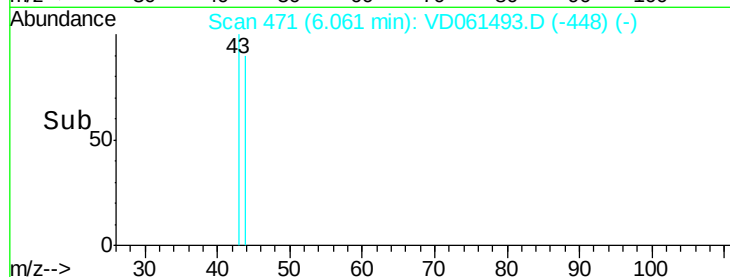
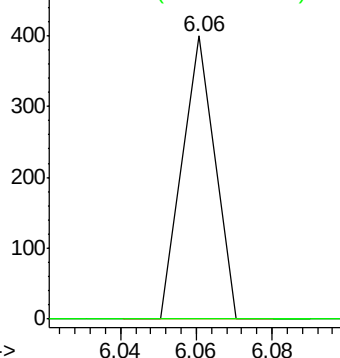
#25
2-Butanone
Concen: 2.290 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#

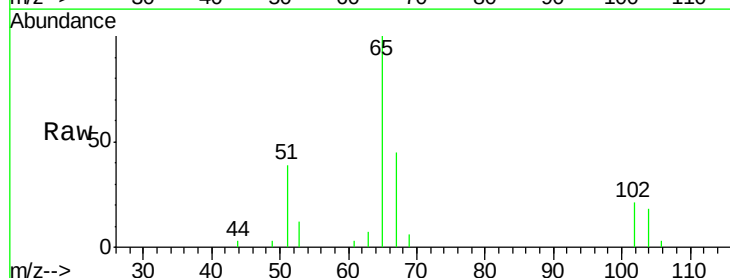


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

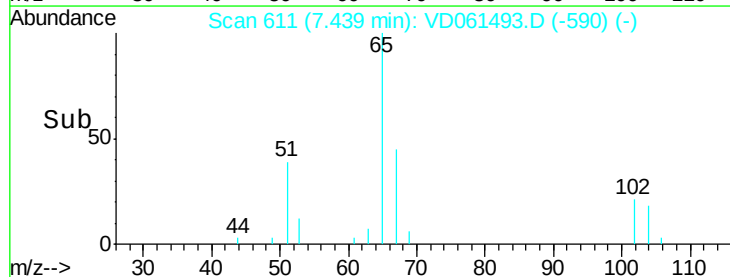
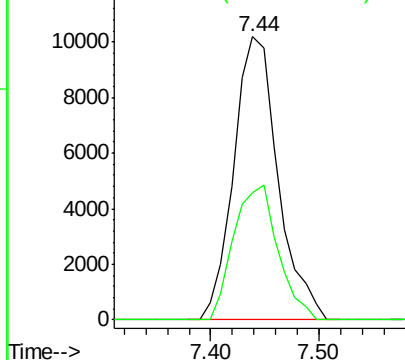


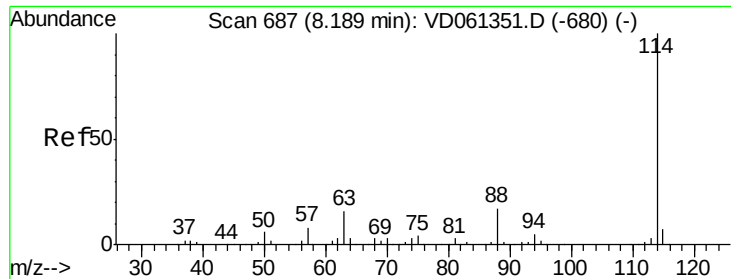
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Tgt Ion: 65 Resp: 29085
Ion Ratio Lower Upper
65 100
67 45.0 0.0 99.8



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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061493.D

Acq: 2 Apr 2019 4:26

Instrument :

MSVOA_D

ClientSampleId :

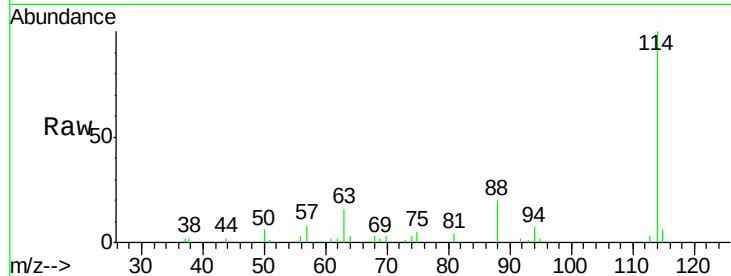
Tot Ion:114 Resp: 68668

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.6

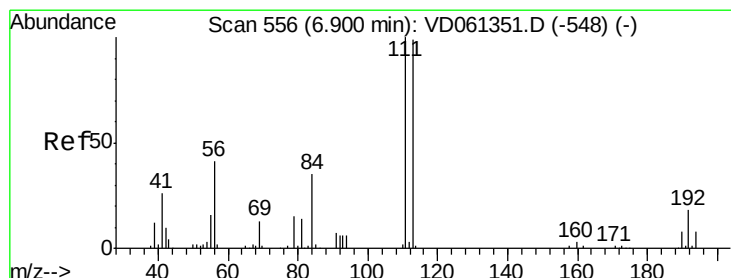
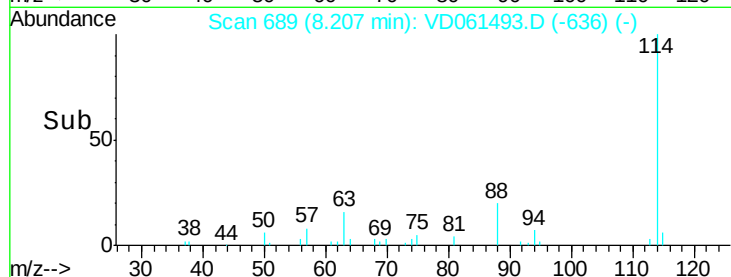
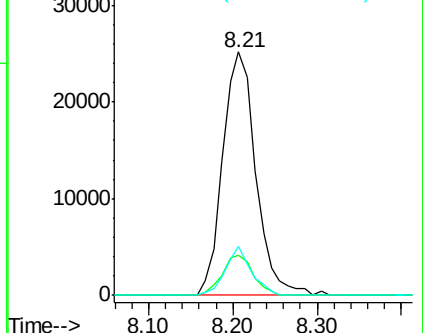
88 20.3 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD061493.D

Acq: 2 Apr 2019 4:26

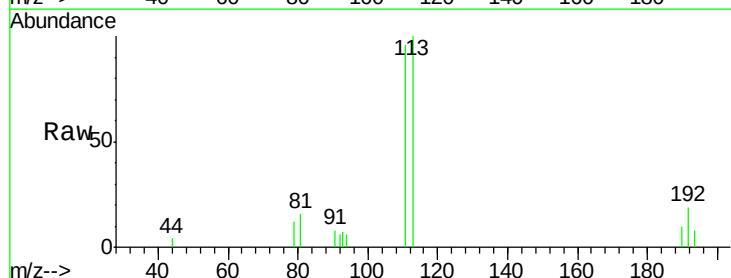
Tgt Ion:113 Resp: 33338

Ion Ratio Lower Upper

113 100

111 96.4 81.0 121.6

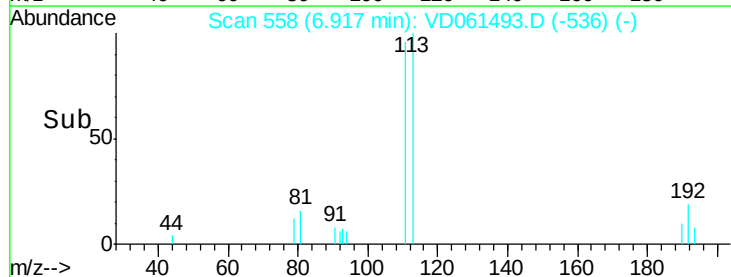
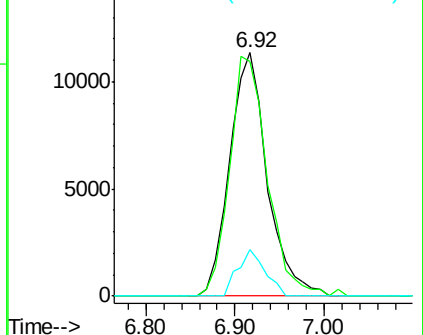
192 19.1 14.4 21.6

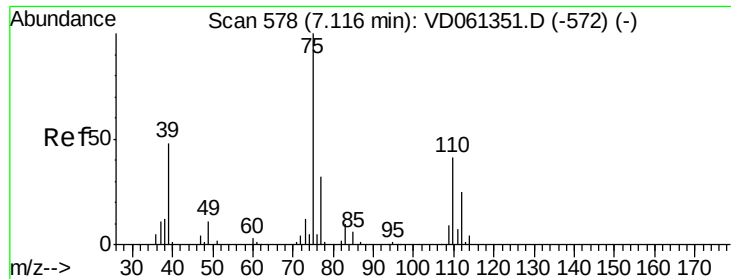


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

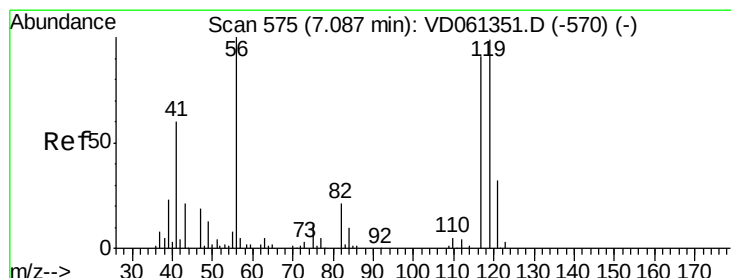
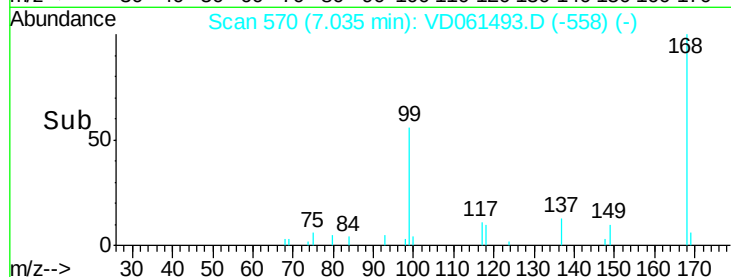
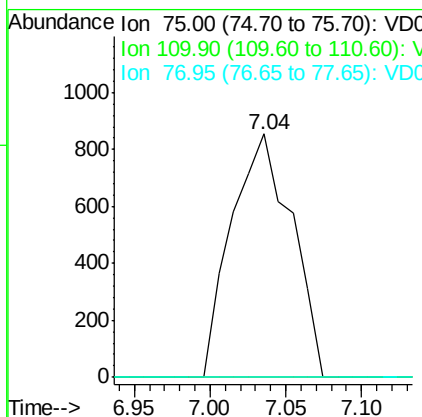
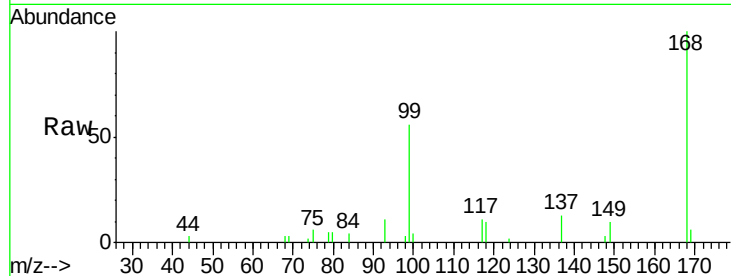




#36
 1,1-Dichloropropene
 Concen: 3.961 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061493.D
 Acq: 2 Apr 2019 4:26

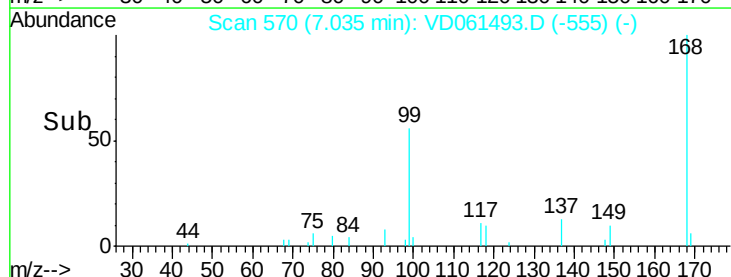
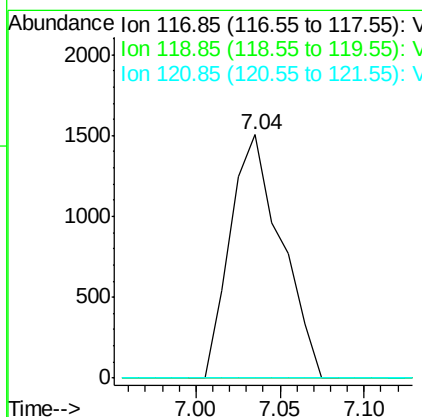
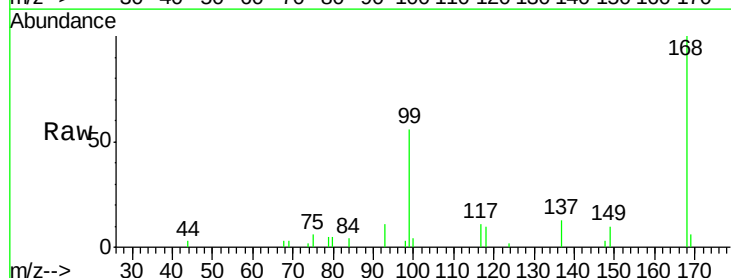
Instrument :
 MSVOA_D
 ClientSampleID :

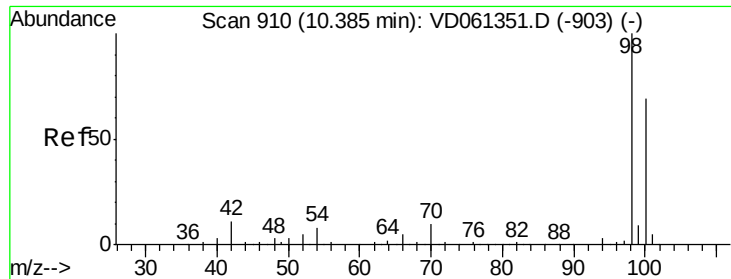
Tot Ion: 75 Resp: 2374
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.604 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.05 min
 Lab File: VD061493.D
 Acq: 2 Apr 2019 4:26

Tgt Ion: 117 Resp: 3171
 Ion Ratio Lower Upper
 117 100
 119 0.0 80.1 120.1#
 121 0.0 25.6 38.4#

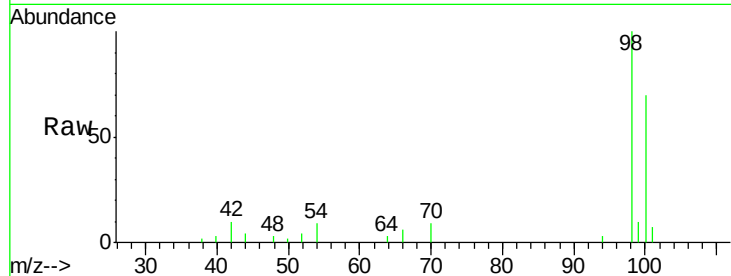




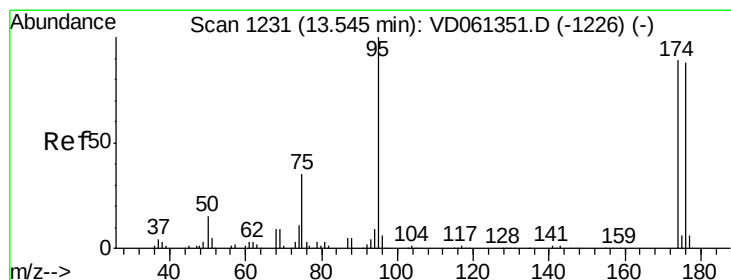
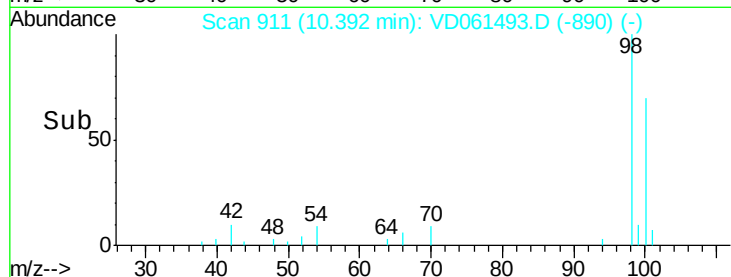
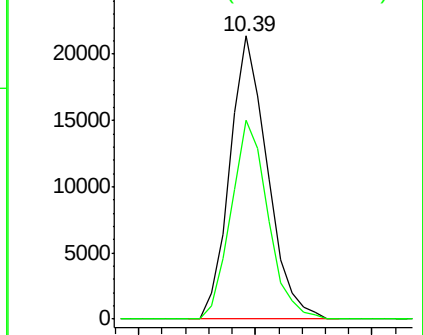
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 47569
Ion Ratio Lower Upper
98 100
100 70.5 56.2 84.2

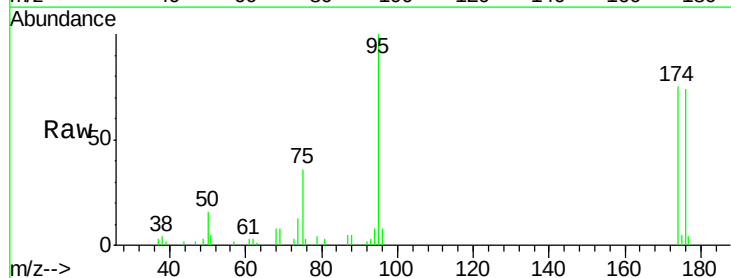


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

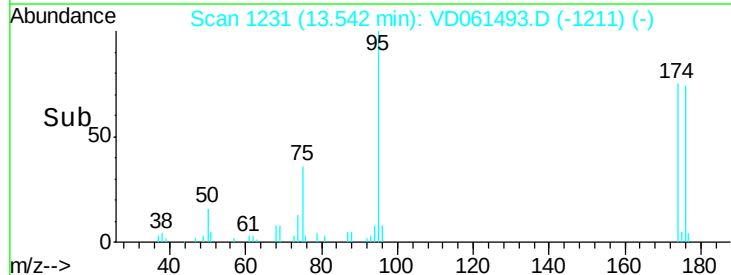
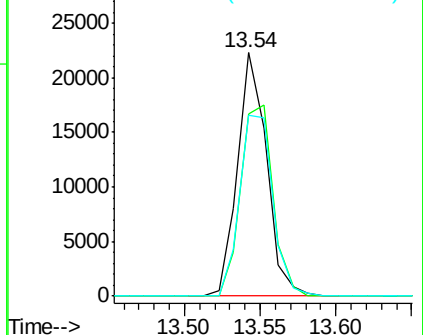


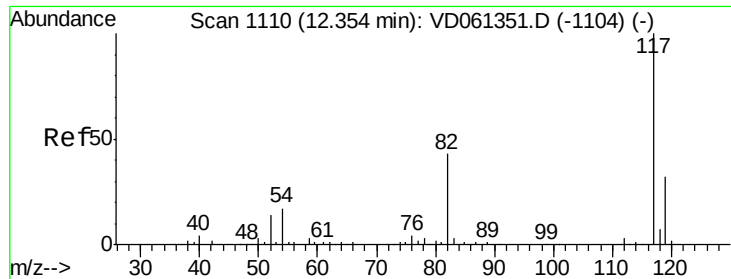
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Tgt Ion: 95 Resp: 29654
Ion Ratio Lower Upper
95 100
174 74.6 0.0 178.0
176 74.2 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD061493.D

Acq: 2 Apr 2019 4:26

Instrument :

MSVOA_D

ClientSampleId :

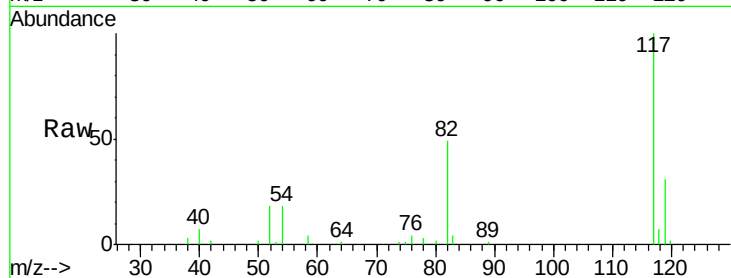
Tot Ion:117 Resp: 54483

Ion Ratio Lower Upper

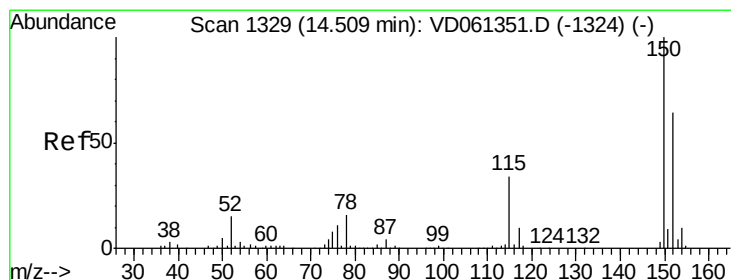
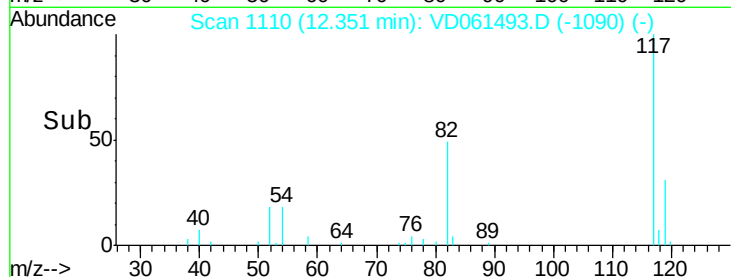
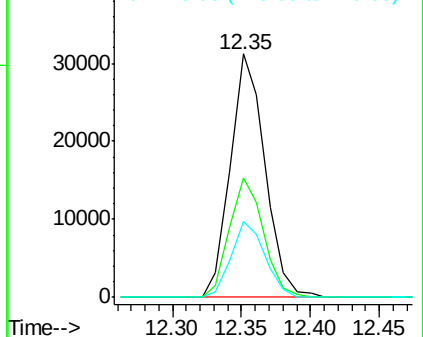
117 100

82 48.9 34.4 51.6

119 31.0 25.8 38.6



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061493.D

Acq: 2 Apr 2019 4:26

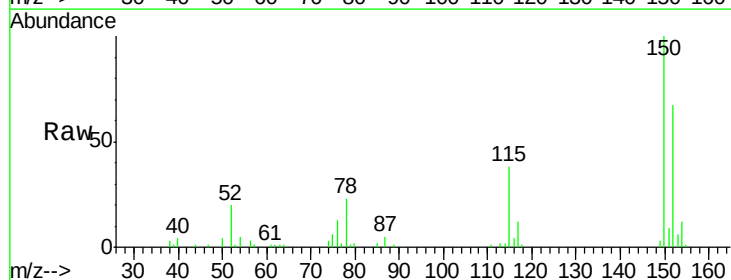
Tgt Ion:152 Resp: 29078

Ion Ratio Lower Upper

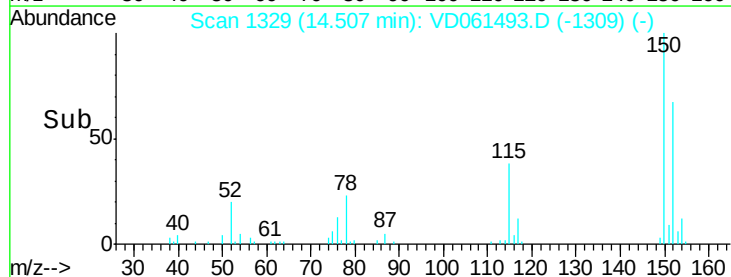
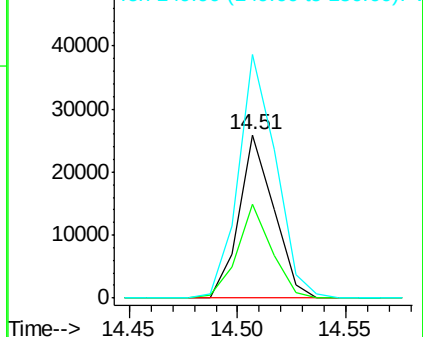
152 100

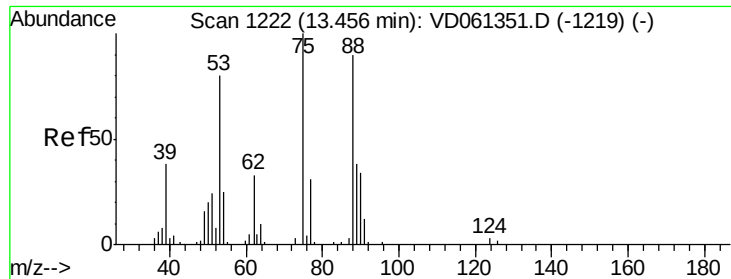
115 57.2 26.9 80.6

150 149.0 0.0 318.0



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

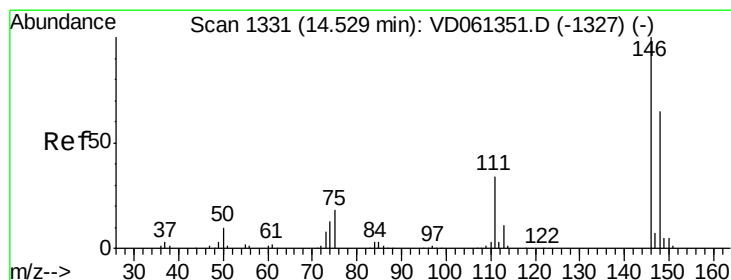
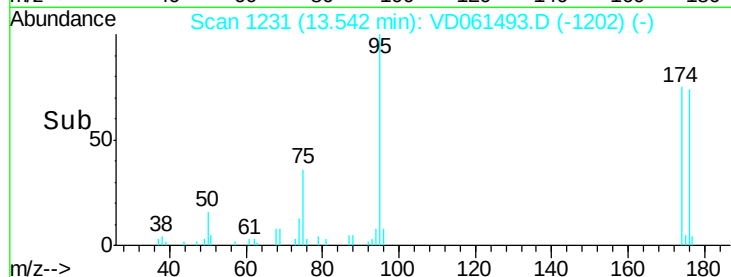
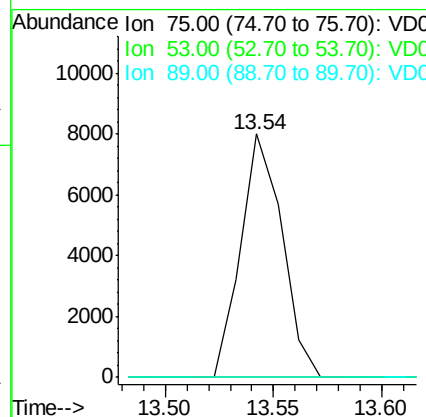
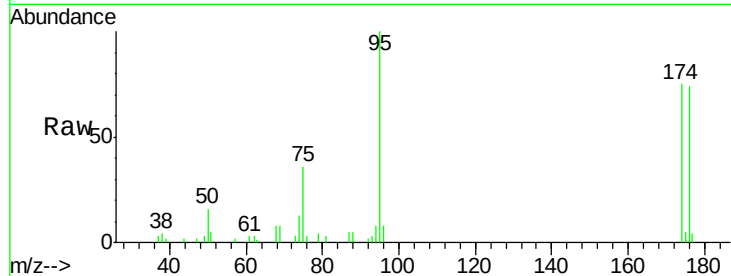




#81
trans-1,4-Dichloro-2-butene
Concen: 83.696 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

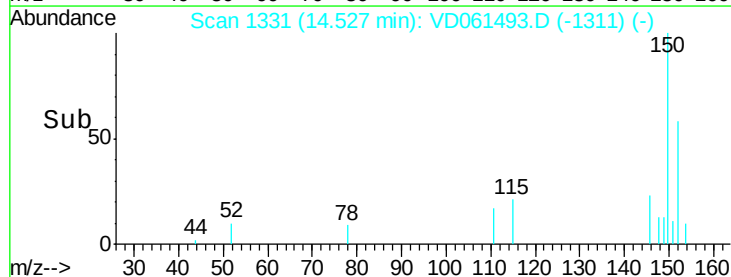
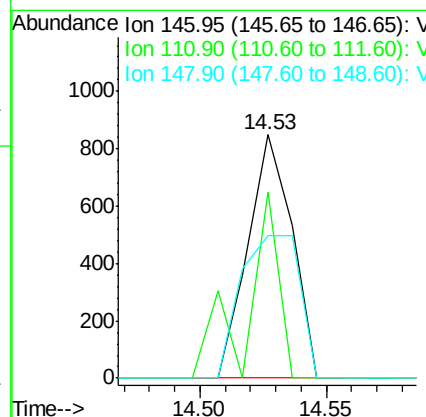
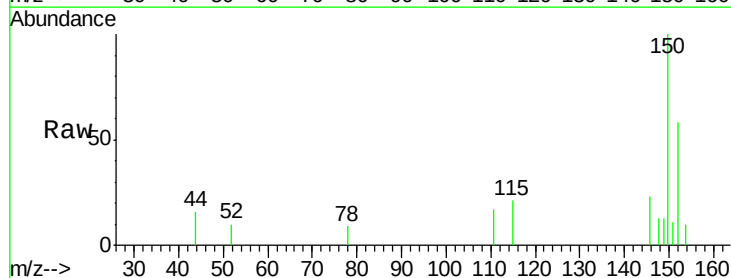
Instrument :
MSVOA_D
ClientSampleId :

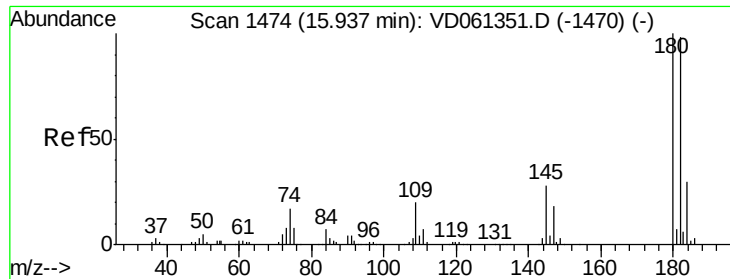
Tot Ion: 75 Resp: 10719
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



#88
1,4-Dichlorobenzene
Concen: 1.039 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061493.D
Acq: 2 Apr 2019 4:26

Tgt Ion: 146 Resp: 1029
Ion Ratio Lower Upper
146 100
111 76.7 16.8 50.4#
148 58.4 32.6 98.0

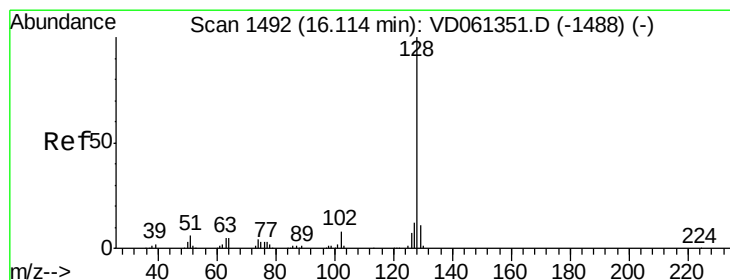
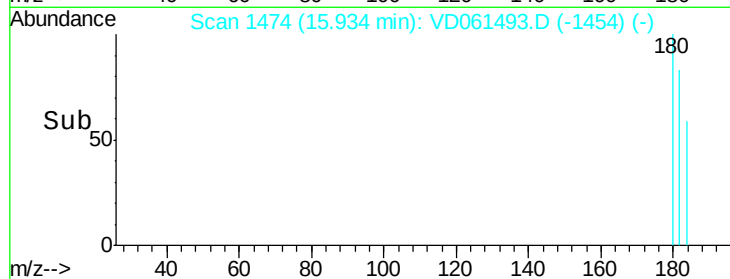
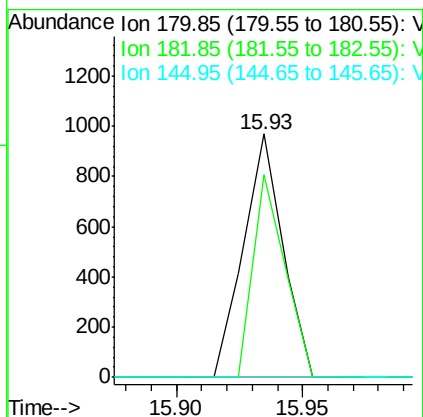
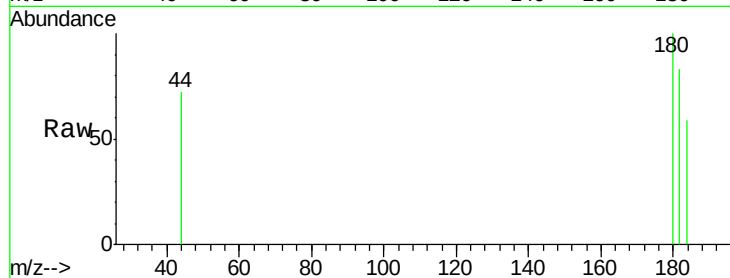




#93
 1,2,4-Trichlorobenzene
 Concen: 2.776 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061493.D
 Acq: 2 Apr 2019 4:26

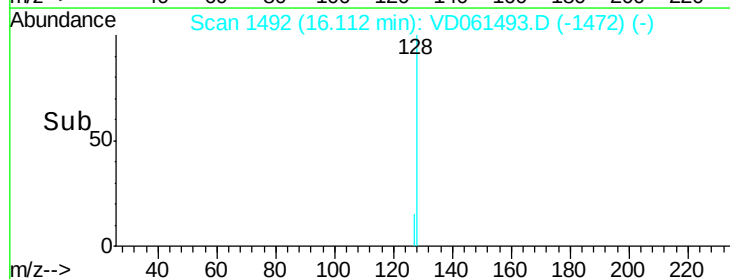
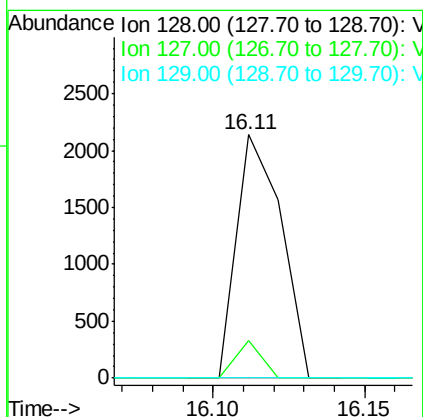
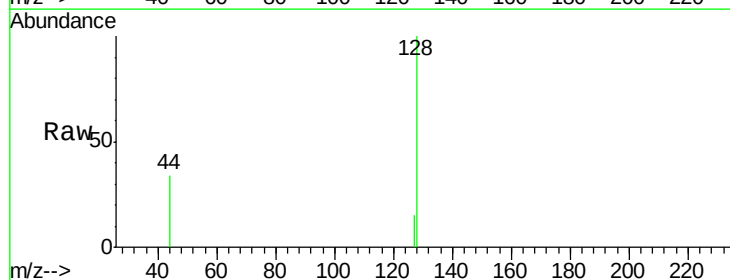
Instrument :
 MSVOA_D
 ClientSampleId :

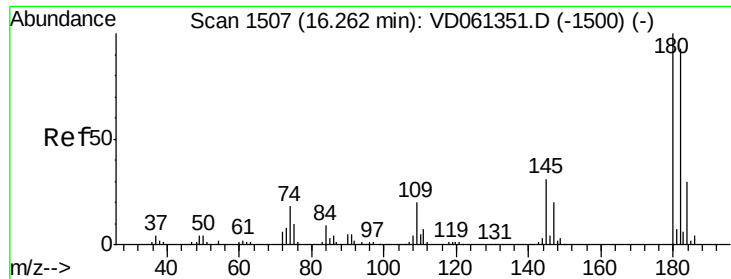
Tot Ion:180 Resp: 1054
 Ion Ratio Lower Upper
 180 100
 182 83.0 48.9 146.8
 145 0.0 14.1 42.3#



#95
 Naphthalene
 Concen: 3.783 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VD061493.D
 Acq: 2 Apr 2019 4:26

Tgt Ion:128 Resp: 2189
 Ion Ratio Lower Upper
 128 100
 127 15.4 9.9 14.9#
 129 0.0 8.9 13.3#

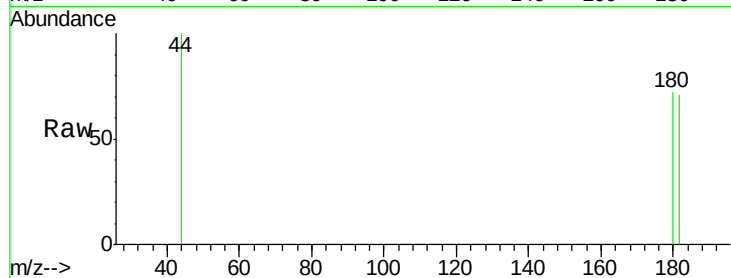




#96
 1,2,3-Trichlorobenzene
 Concen: 3.831 ug/l
 RT: 16.26 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VD061493.D
 Acq: 2 Apr 2019 4:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 640
 Ion Ratio Lower Upper
 180 100
 182 98.6 46.4 139.1
 145 0.0 15.3 45.9#



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

