

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061706.D
 Acq On : 10 Apr 2019 8:05
 Operator : VA/AP
 Sample : K2199-07
 Misc : 6.56g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 08:30:43 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	7.08	168	467109	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	757525	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	545152	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	226957	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	175791	49.65	ug/l	0.03
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	6.96	113	289795	55.22	ug/l	0.04
Spiked Amount			Recovery	=	110.44%	
50) Toluene-d8	10.43	98	580645	44.04	ug/l	0.03
Spiked Amount			Recovery	=	88.08%	
62) 4-Bromofluorobenzene	13.57	95	240465	52.41	ug/l	0.02
Spiked Amount			Recovery	=	104.82%	

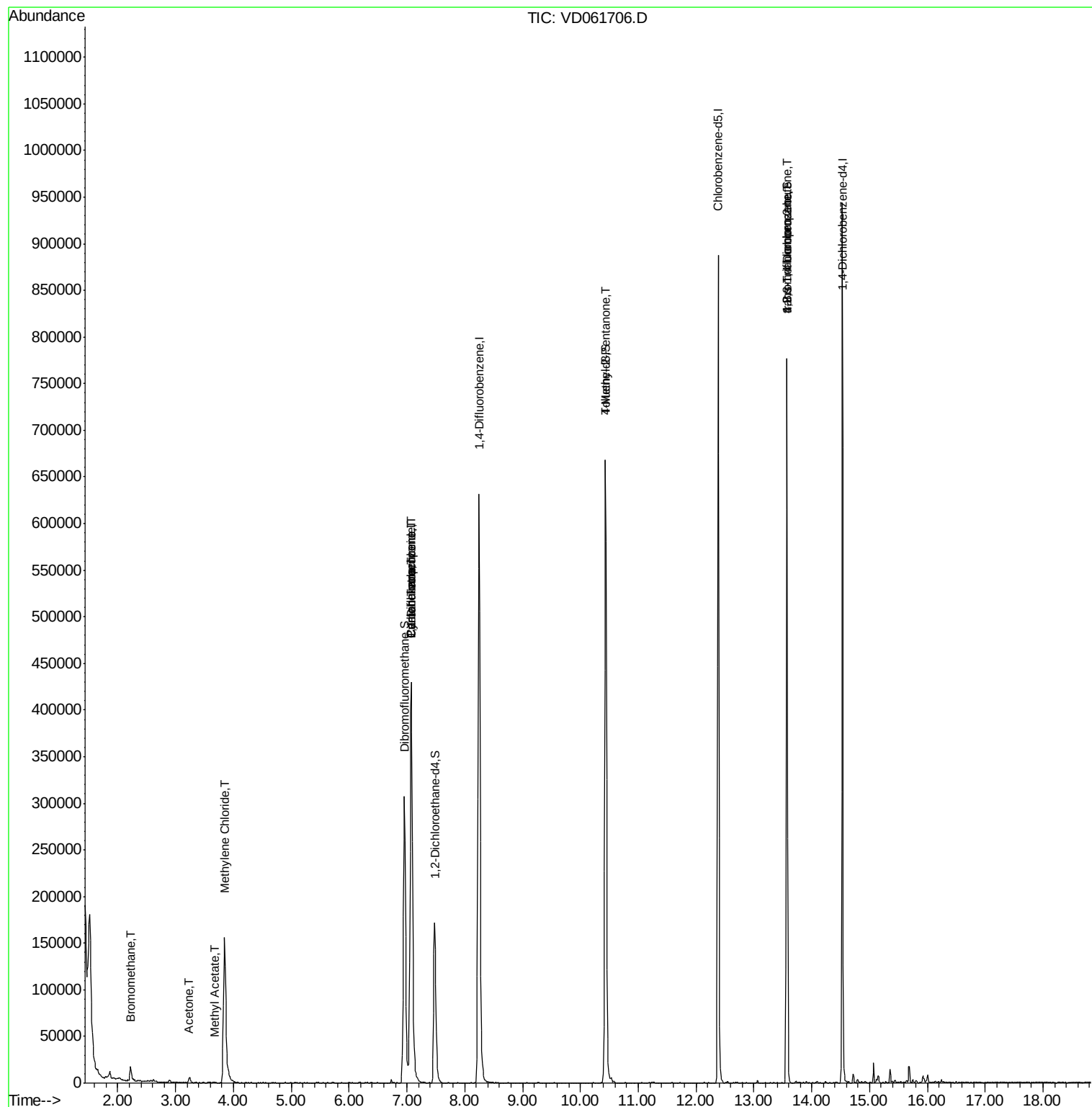
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	1053	1.196	ug/l #	12
16) Acetone	3.25	43	10327	9.757	ug/l	100
18) Methyl Acetate	3.67	43	2041	1.025	ug/l #	53
20) Methylene Chloride	3.85	84	122362	20.373	ug/l	95
31) Cyclohexane	7.08	56	8396	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.08	75	33719	5.086	ug/l #	47
38) Carbon Tetrachloride	7.08	117	44244	5.694	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	2530	1.092	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	82749	26.799	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	91044	97.166	ug/l #	20

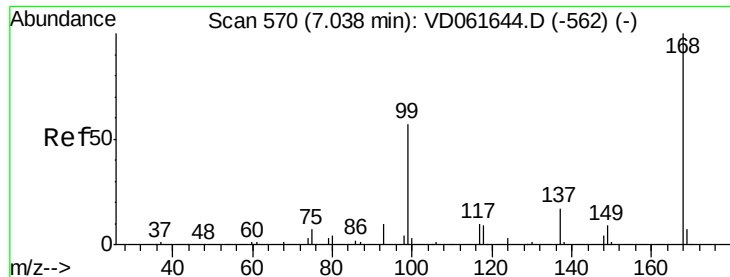
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040919\
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Acq On : 10 Apr 2019 8:05
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Misc : 6.56g/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Apr 10 08:30:43 2019
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: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

Instrument :

MSVOA_D

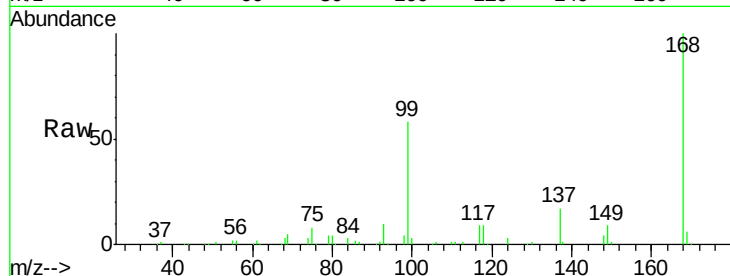
ClientSampleId :

Tot Ion:168 Resp: 467109

Ion Ratio Lower Upper

168 100

99 57.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

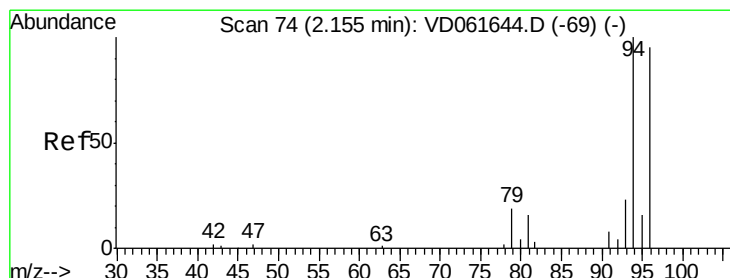
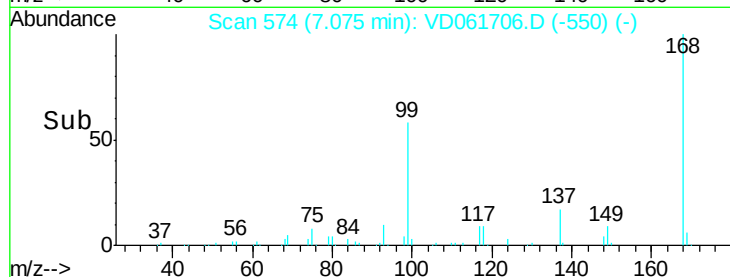
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.196 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.06 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

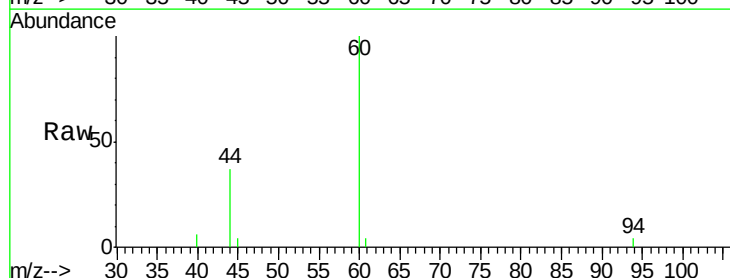
Tgt Ion: 94 Resp: 1053

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

500

400

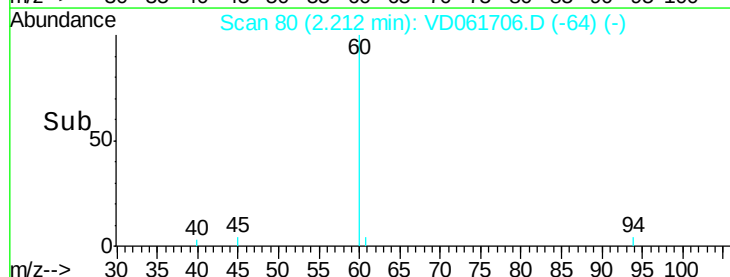
300

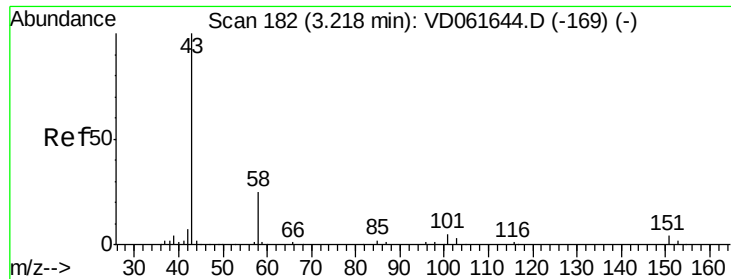
200

100

0

Time--> 2.15 2.20

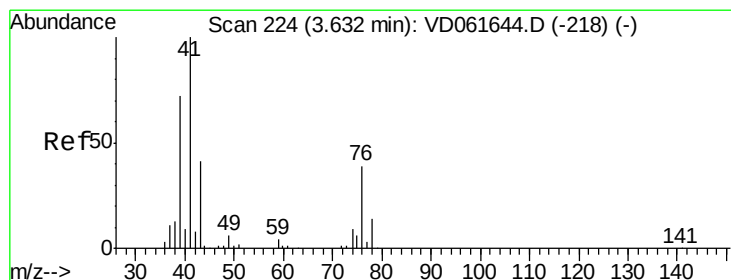
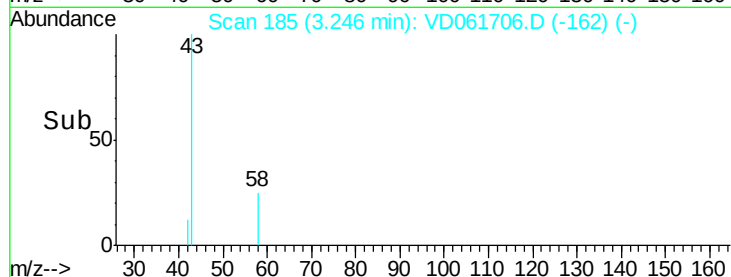
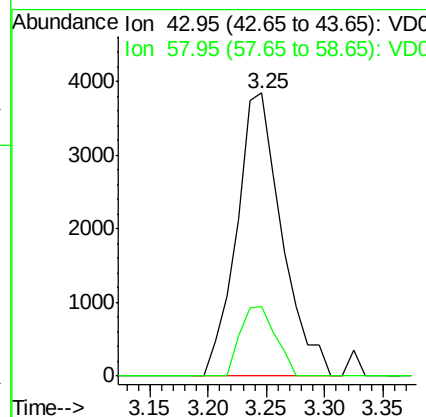
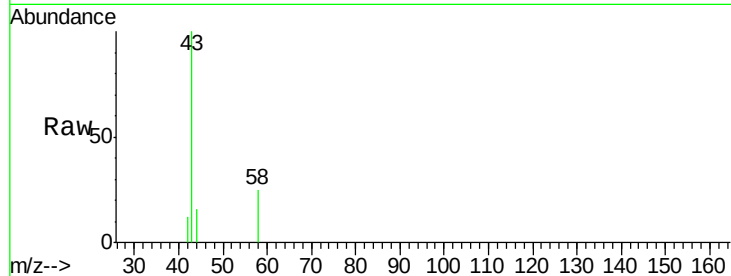




#16
Acetone
Concen: 9.757 ug/l
RT: 3.25 min Scan# 185
Delta R.T. 0.03 min
Lab File: VD061706.D
Acq: 10 Apr 2019 8:05

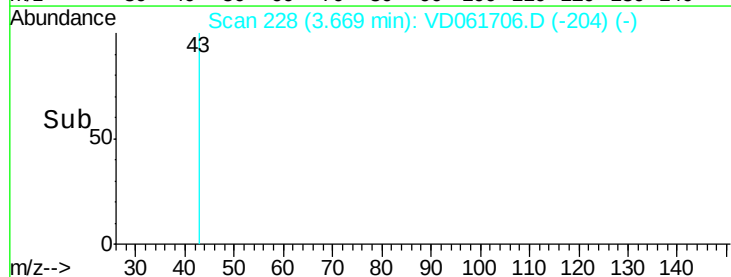
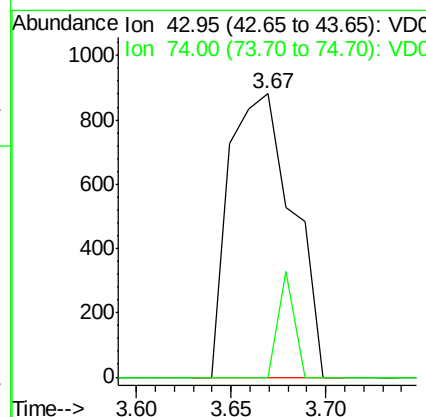
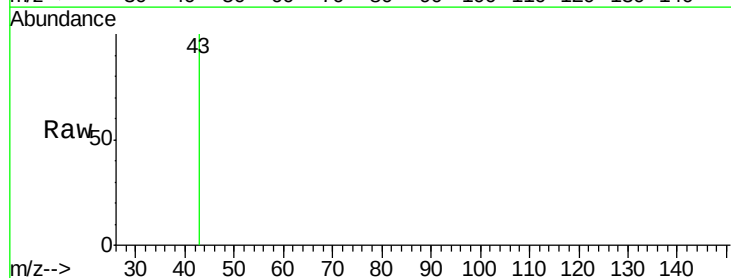
Instrument :
MSVOA_D
ClientSampleId :

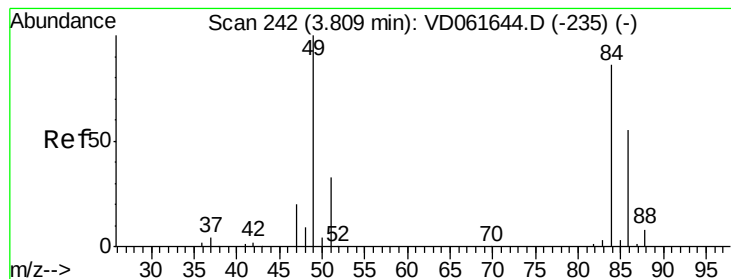
Tot Ion: 43 Resp: 10327
Ion Ratio Lower Upper
43 100
58 24.5 19.7 29.5



#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.04 min
Lab File: VD061706.D
Acq: 10 Apr 2019 8:05

Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#





#20

Methylene Chloride

Concen: 20.373 ug/l

RT: 3.85 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 122362

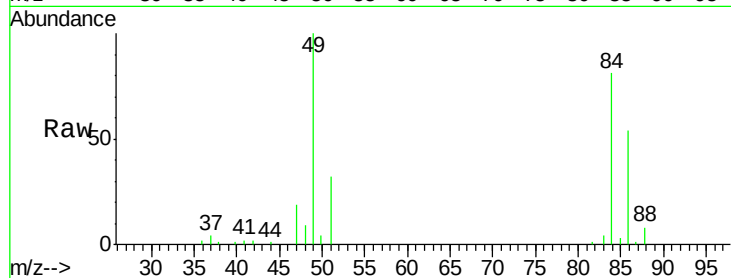
Ion Ratio Lower Upper

84 100

49 123.7 93.0 139.4

51 39.3 30.4 45.6

86 67.3 51.0 76.4

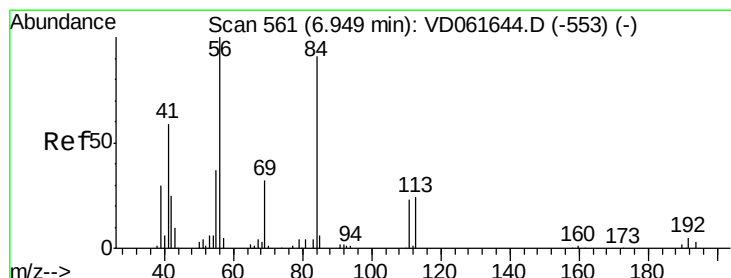
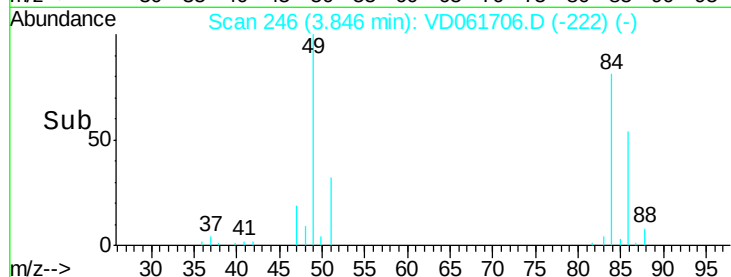
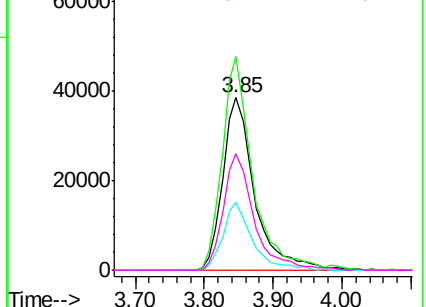


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.13 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

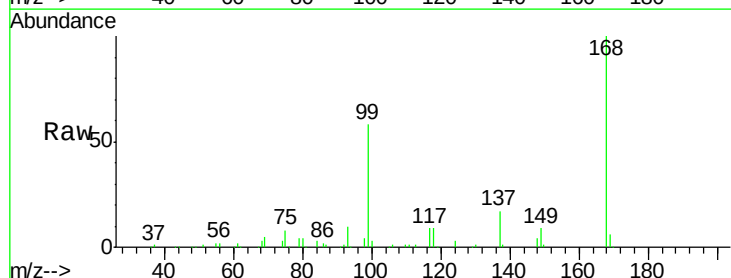
Tgt Ion: 56 Resp: 8396

Ion Ratio Lower Upper

56 100

69 259.5 25.8 38.6#

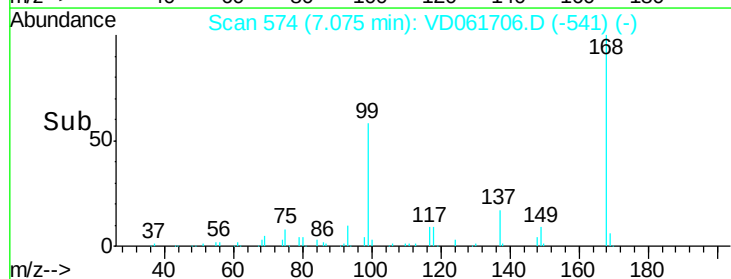
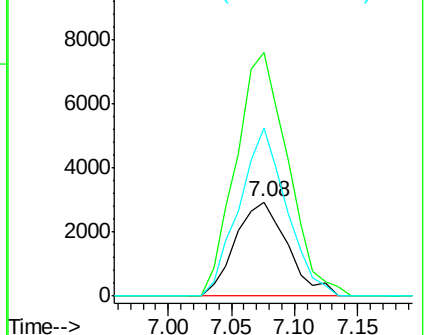
84 178.7 74.2 111.2#

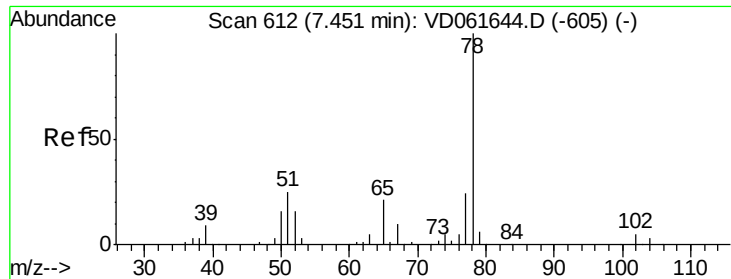


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

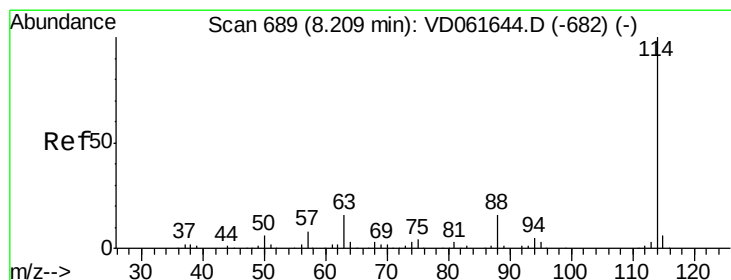
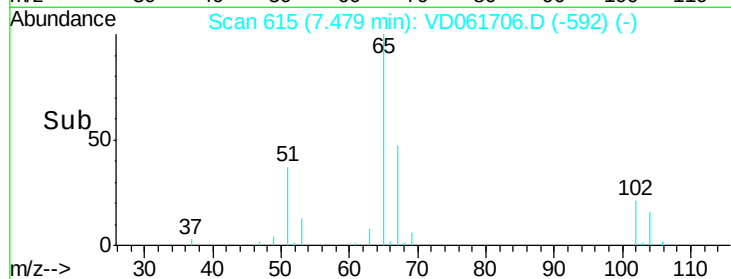
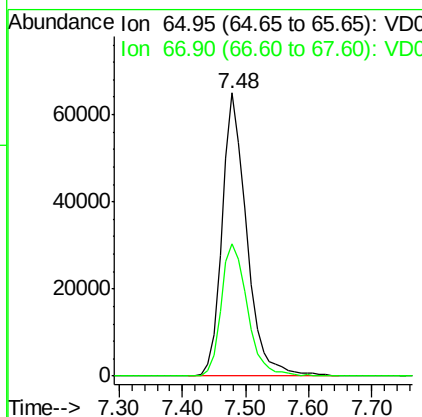
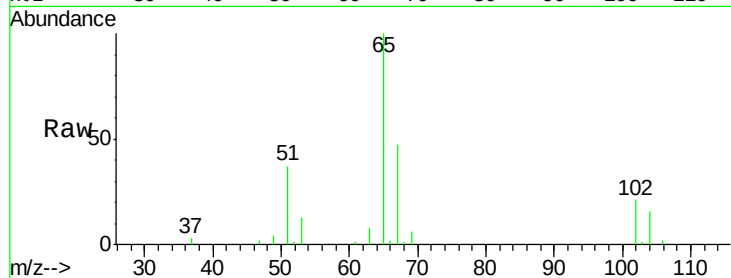




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061706.D
 Acq: 10 Apr 2019 8:05

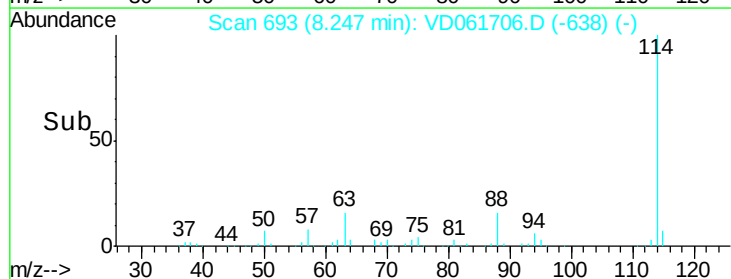
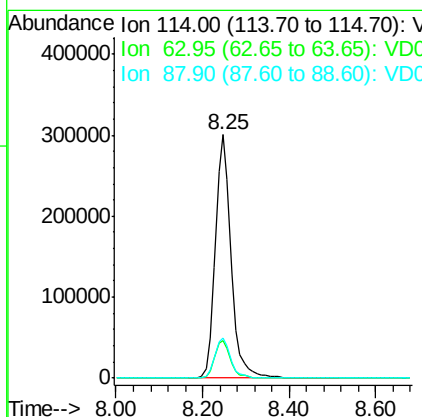
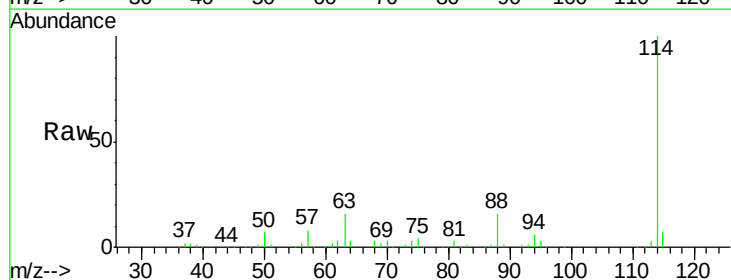
Instrument :
 MSVOA_D
 ClientSampled :

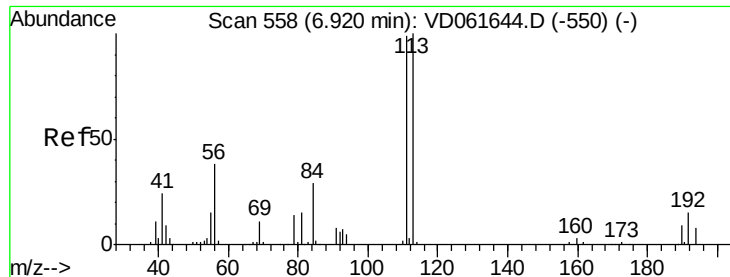
Tot Ion: 65 Resp: 175791
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD061706.D
 Acq: 10 Apr 2019 8:05

Tgt Ion: 114 Resp: 757525
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 16.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.04 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

Instrument :

MSVOA_D

ClientSampled :

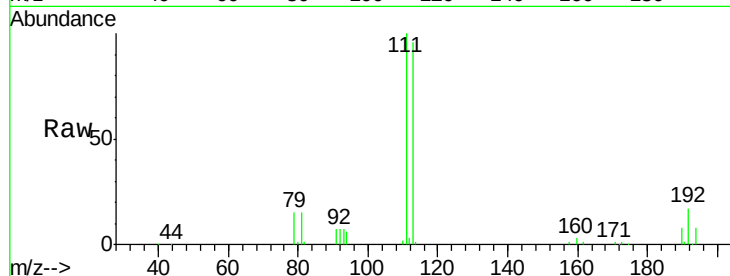
Tot Ion:113 Resp: 289795

Ion Ratio Lower Upper

113 100

111 104.0 79.3 118.9

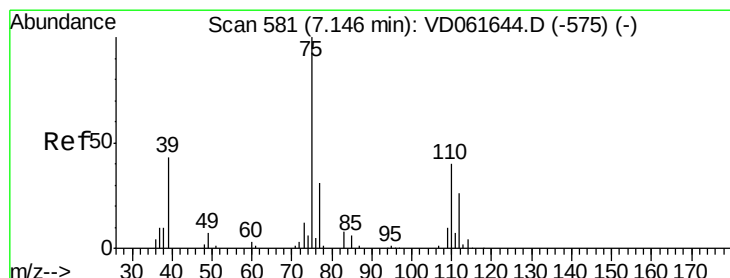
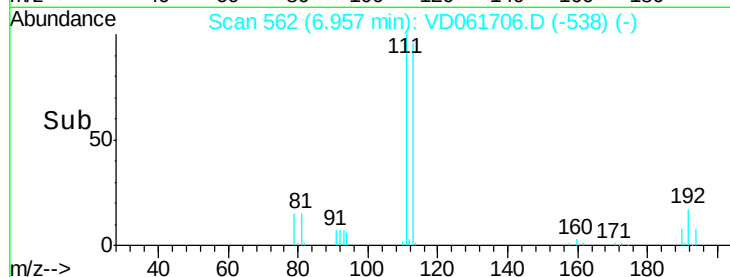
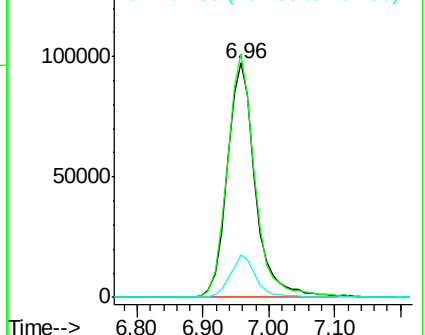
192 18.1 12.3 18.5



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: 5.086 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

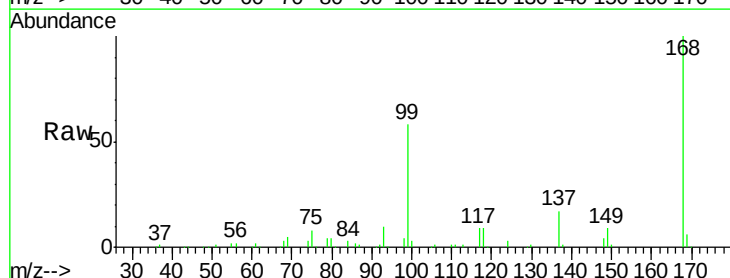
Tgt Ion: 75 Resp: 33719

Ion Ratio Lower Upper

75 100

110 8.2 19.7 59.0#

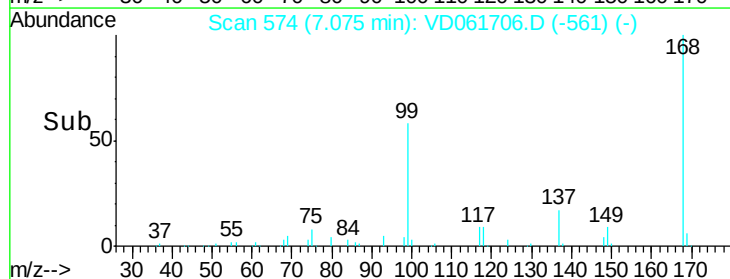
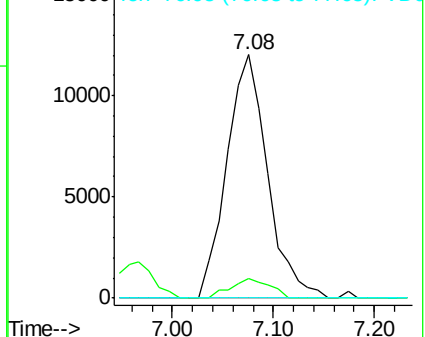
77 0.0 24.8 37.2#

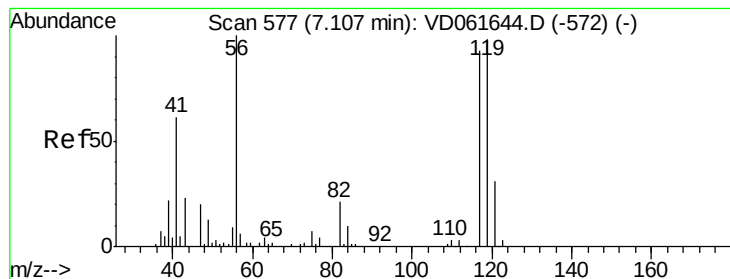


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.694 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

Instrument :

MSVOA_D

ClientSampleId :

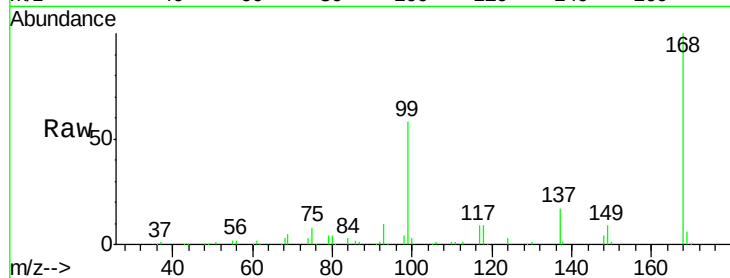
Tot Ion:117 Resp: 44244

Ion Ratio Lower Upper

117 100

119 4.5 77.9 116.9#

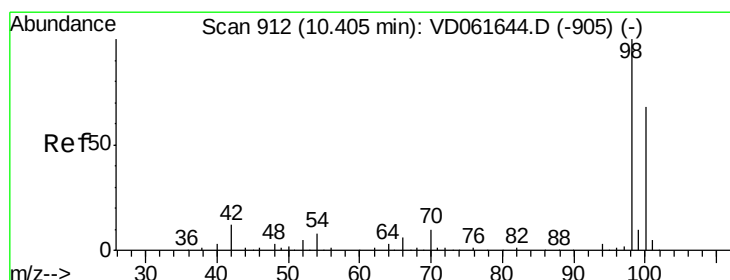
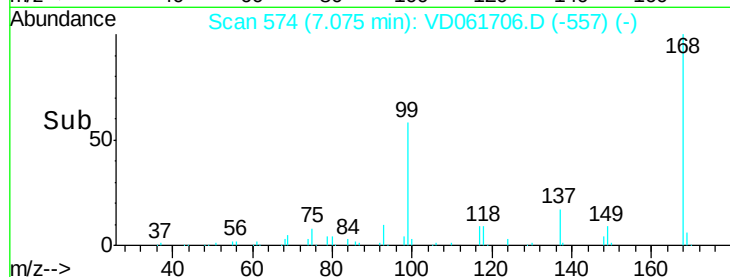
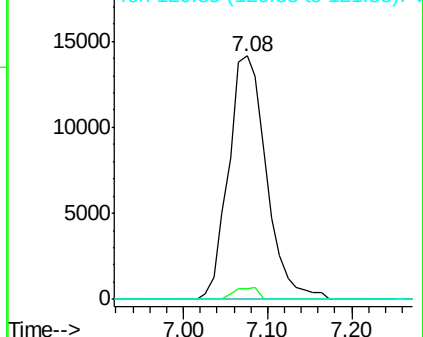
121 0.0 24.7 37.1#



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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061706.D

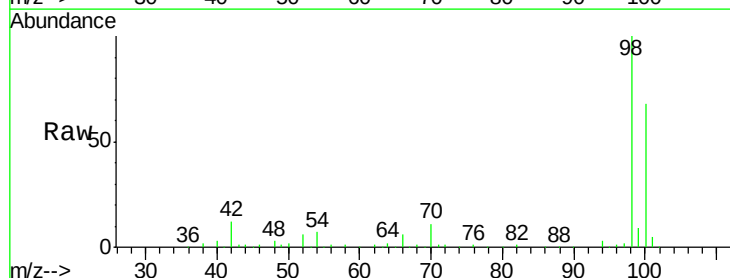
Acq: 10 Apr 2019 8:05

Tgt Ion: 98 Resp: 580645

Ion Ratio Lower Upper

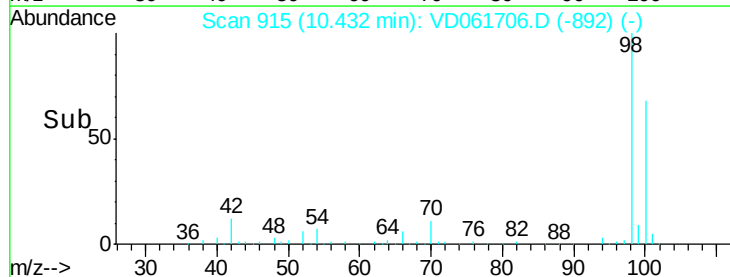
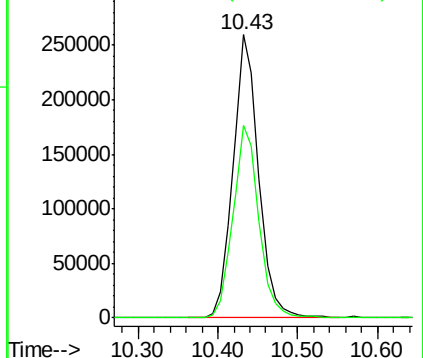
98 100

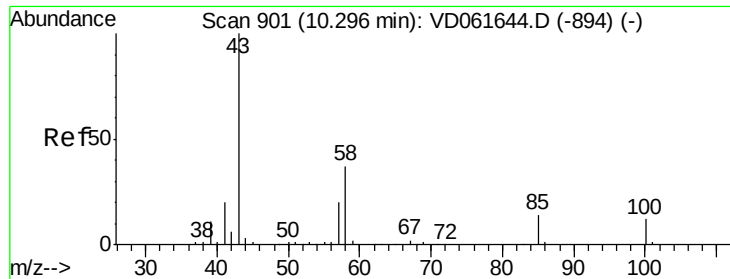
100 68.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.092 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.14 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

Instrument :

MSVOA_D

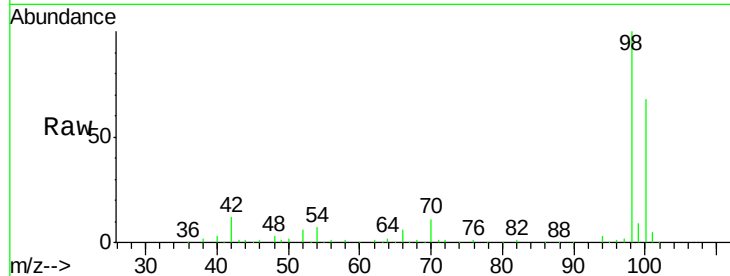
ClientSampleId :

Tot Ion: 43 Resp: 2530

Ion Ratio Lower Upper

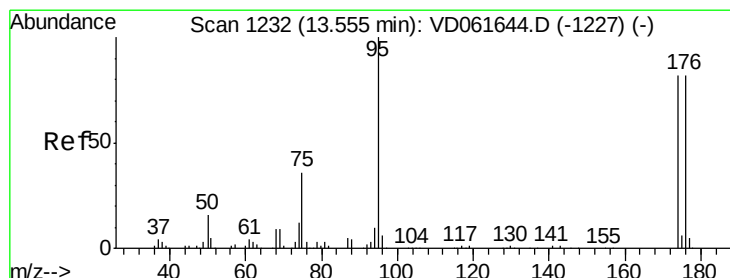
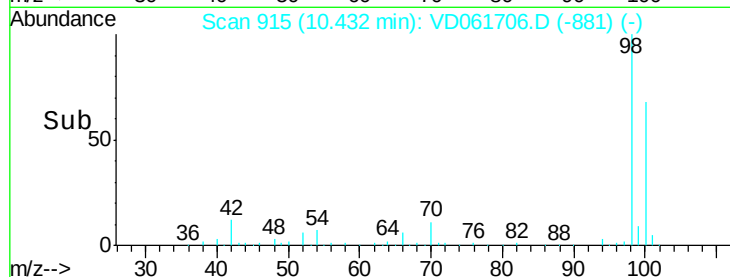
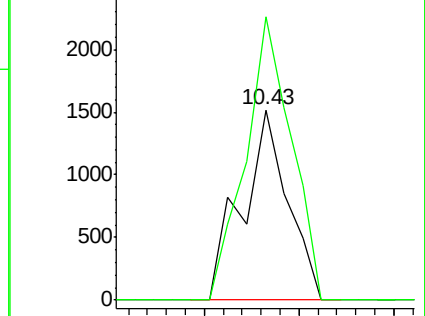
43 100

58 148.9 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061706.D

Acq: 10 Apr 2019 8:05

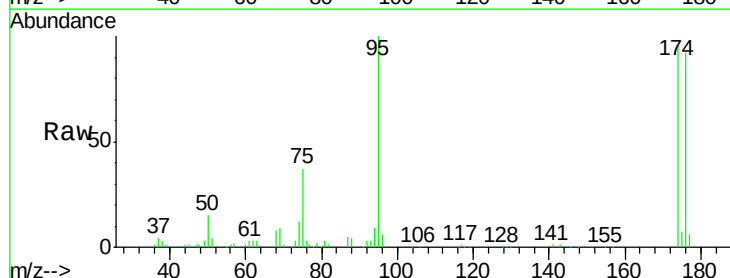
Tgt Ion: 95 Resp: 240465

Ion Ratio Lower Upper

95 100

174 96.0 0.0 164.6

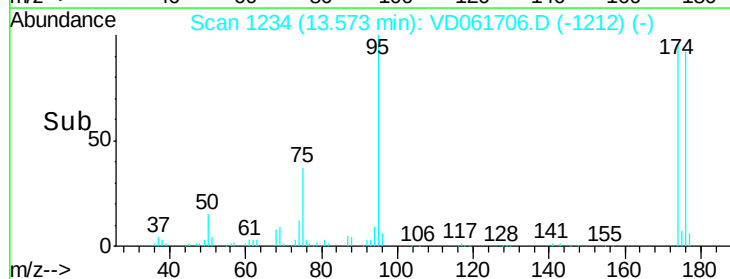
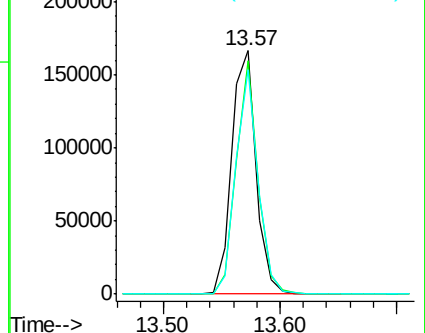
176 92.3 0.0 165.0

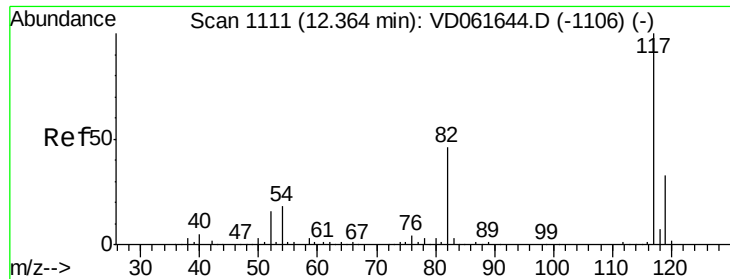


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

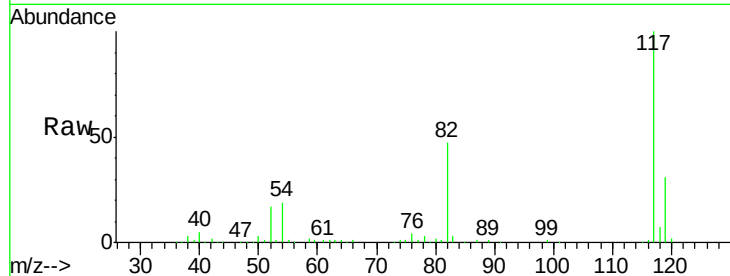




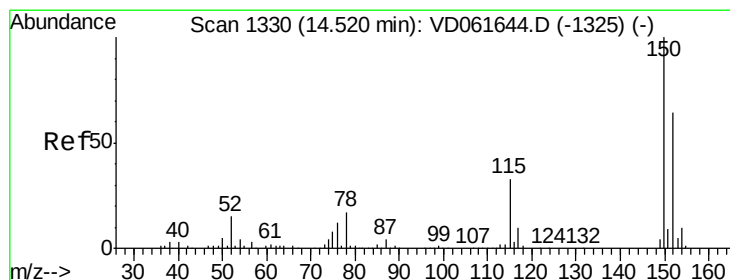
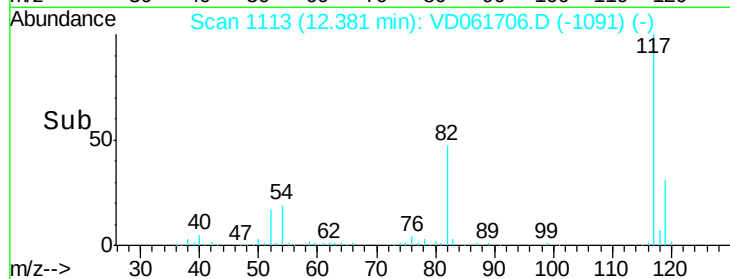
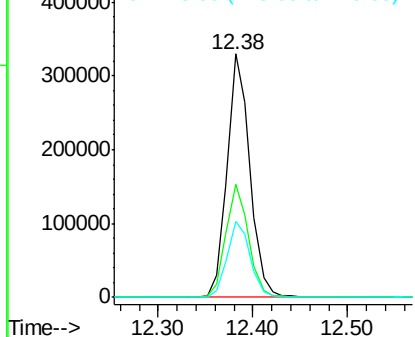
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.38 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VD061706.D
 Acq: 10 Apr 2019 8:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:117 Resp: 545152
 Ion Ratio Lower Upper
 117 100
 82 46.7 36.8 55.2
 119 31.4 26.1 39.1

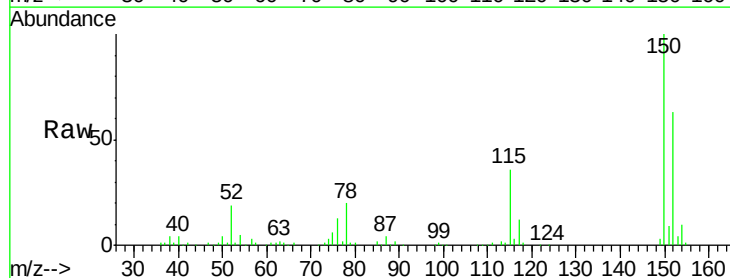


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

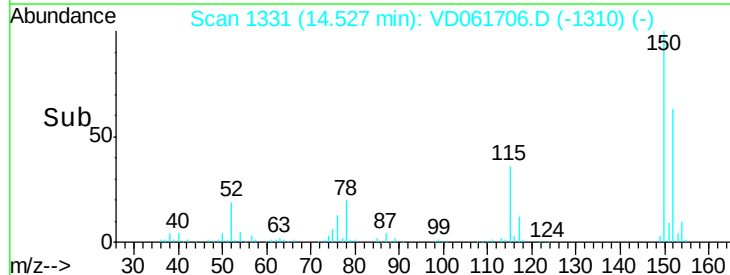
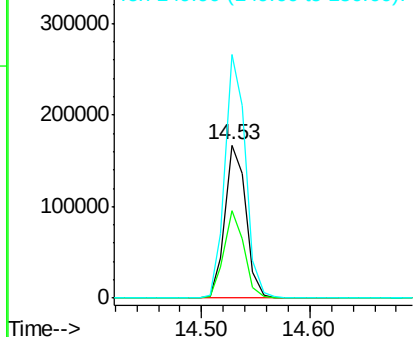


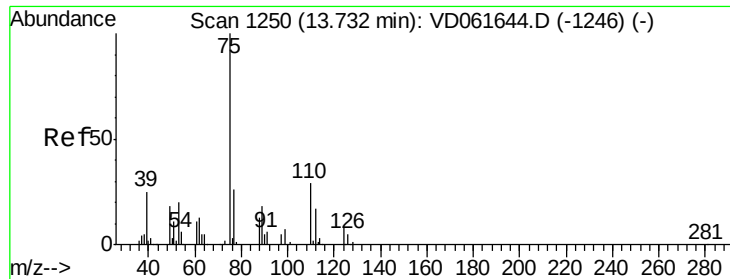
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD061706.D
 Acq: 10 Apr 2019 8:05

Tgt Ion:152 Resp: 226957
 Ion Ratio Lower Upper
 152 100
 115 57.1 26.4 79.2
 150 159.1 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

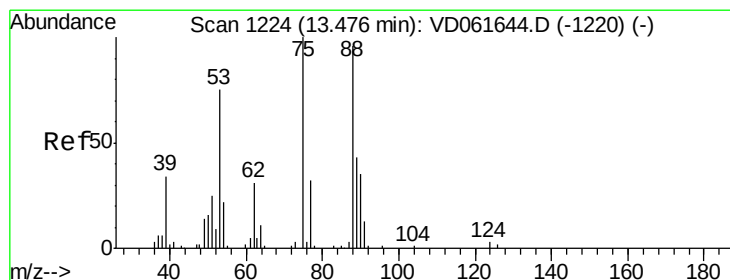
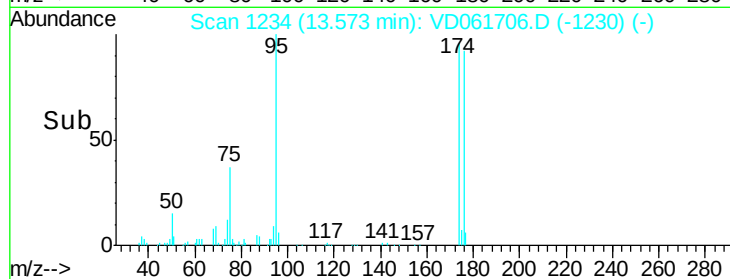
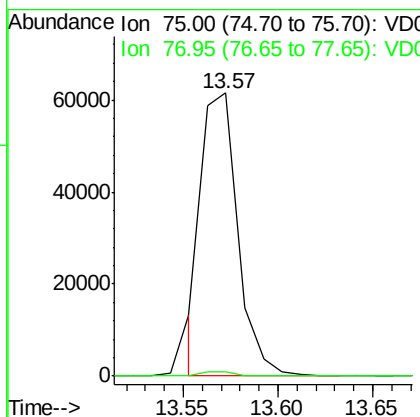
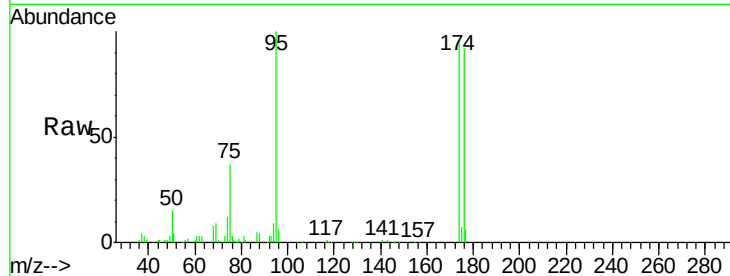




#76
 1,2,3-Trichloropropane
 Concen: 26.799 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.16 min
 Lab File: VD061706.D
 Acq: 10 Apr 2019 8:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 82749
 Ion Ratio Lower Upper
 75 100
 77 1.4 15.7 47.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.166 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.10 min
 Lab File: VD061706.D
 Acq: 10 Apr 2019 8:05

Tgt Ion: 75 Resp: 91044
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.2 90.2#
 89 0.0 34.2 51.2#

