

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061676.D
 Acq On : 9 Apr 2019 15:52
 Operator : VA/AP
 Sample : K2240-08RE
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 00:54:35 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

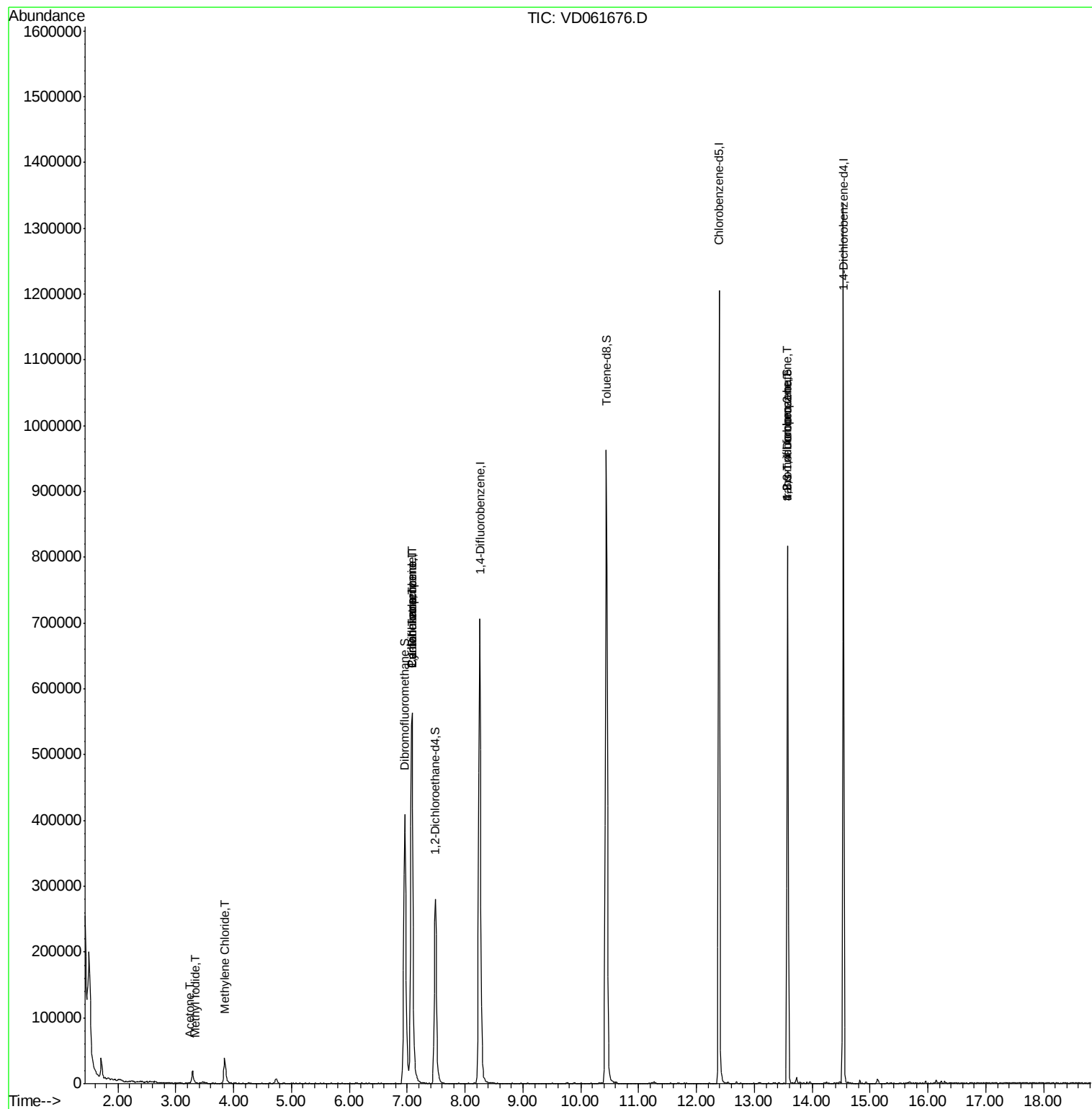
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	575686	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	912403	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	735219	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	294659	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	274462	62.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	125.80%	
35) Dibromofluoromethane	6.95	113	393443	62.24	ug/l	0.03
Spiked Amount 50.000			Recovery	=	124.48%	
50) Toluene-d8	10.44	98	863917	54.40	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	13.57	95	283557	51.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.02%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.34	142	917	3.736	ug/l #	38
16) Acetone	3.24	43	2114	1.621	ug/l #	51
20) Methylene Chloride	3.84	84	28396	3.836	ug/l	90
31) Cyclohexane	7.07	56	9754	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	42673	5.344	ug/l #	46
38) Carbon Tetrachloride	7.08	117	54734	5.849	ug/l #	14
76) 1,2,3-Trichloropropane	13.57	75	104726	26.124	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	106729	87.735	ug/l #	20

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

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ClientSampleId :

Quant Time: Apr 10 00:54:35 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# 575

Delta R.T. 0.04 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

Instrument :

MSVOA_D

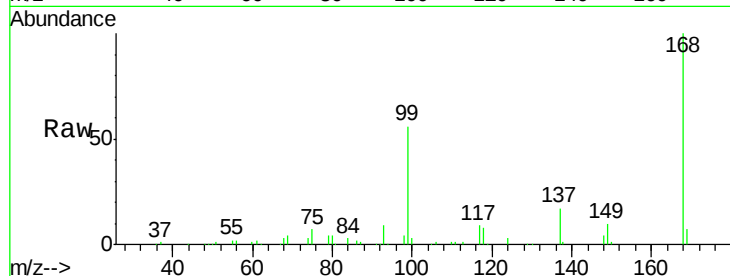
ClientSampleId :

Tot Ion:168 Resp: 575686

Ion Ratio Lower Upper

168 100

99 56.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.08

200000

150000

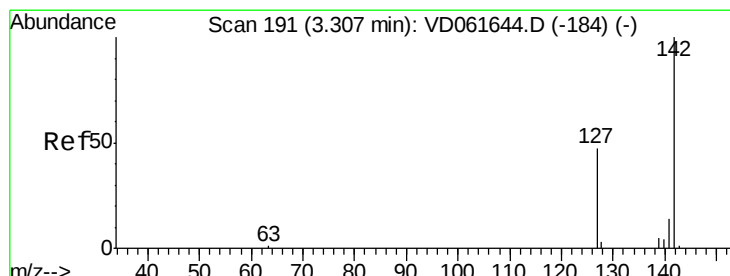
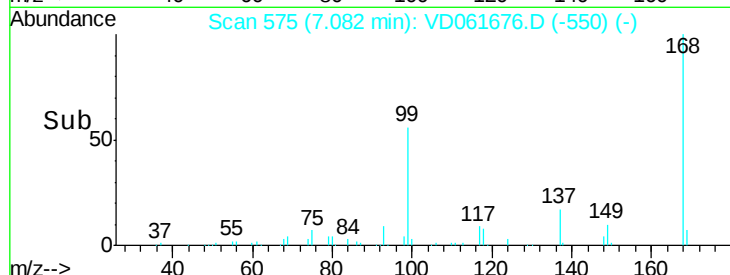
100000

50000

0

Time-->

7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.736 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

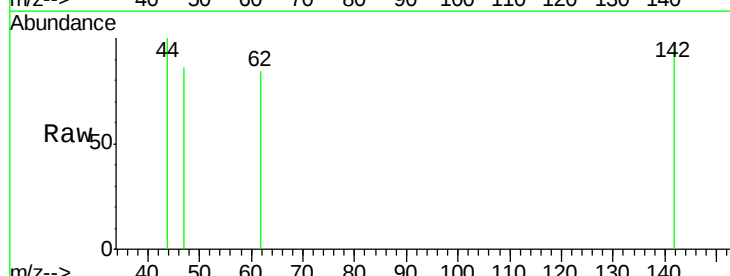
Tgt Ion:142 Resp: 917

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

3.34

500

400

300

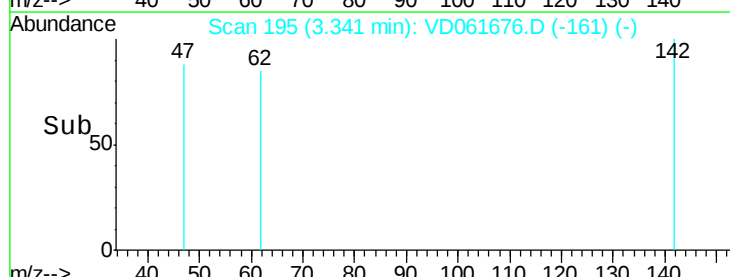
200

100

0

Time-->

3.30 3.35 3.40





#16

Acetone

Concen: 1.621 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

Instrument :

MSVOA_D

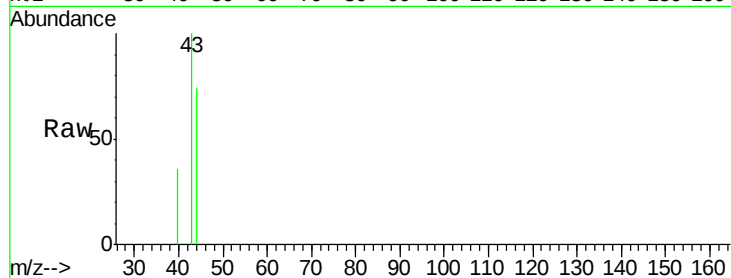
ClientSampleId :

Tot Ion: 43 Resp: 2114

Ion Ratio Lower Upper

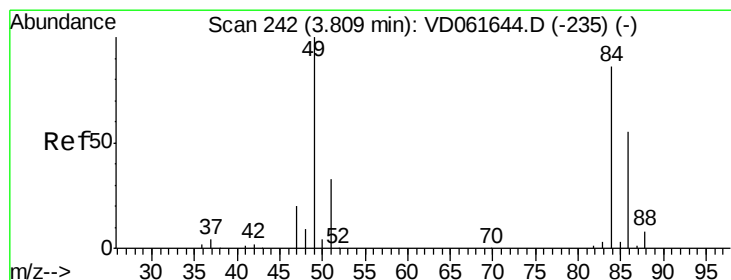
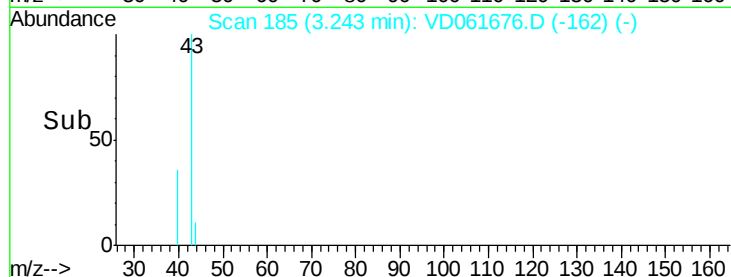
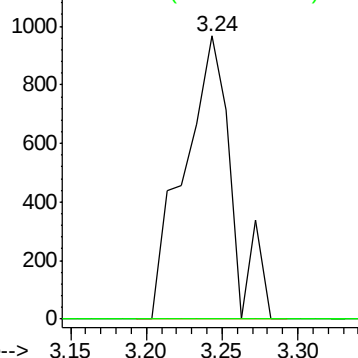
43 100

58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.836 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

Tgt Ion: 84 Resp: 28396

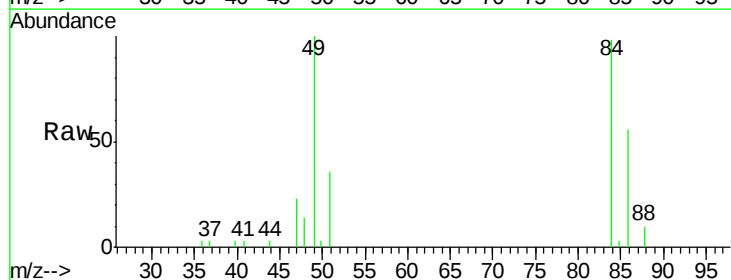
Ion Ratio Lower Upper

84 100

49 101.7 93.0 139.4

51 36.2 30.4 45.6

86 56.7 51.0 76.4

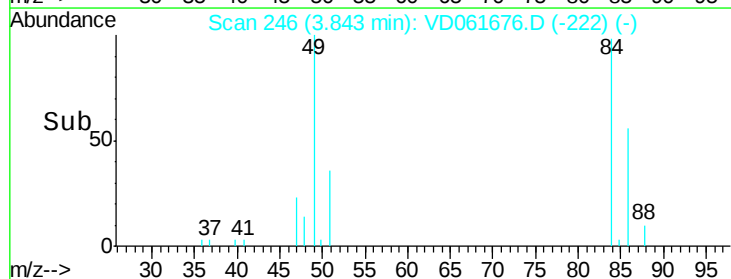
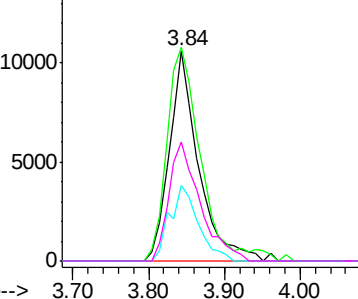


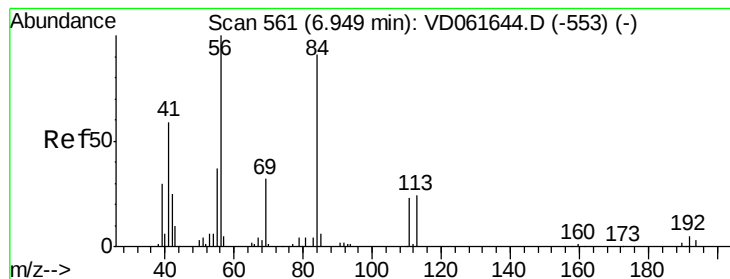
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

Cvclohexane

Concen: 1.187 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.12 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

Instrument :
MSVOA_D
ClientSampleId :

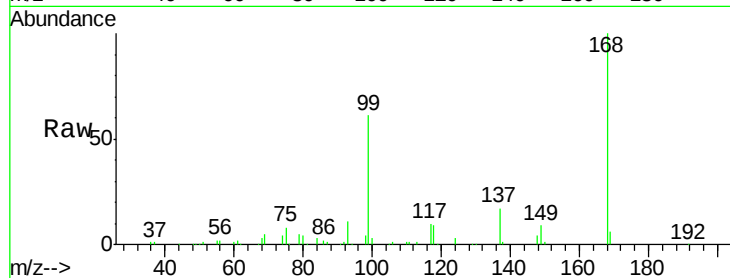
Tot Ion: 56 Resp: 9754

Ion Ratio Lower Upper

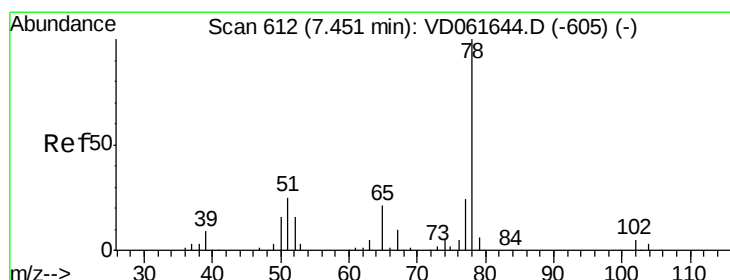
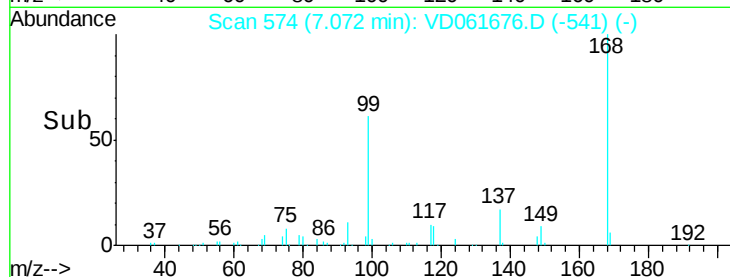
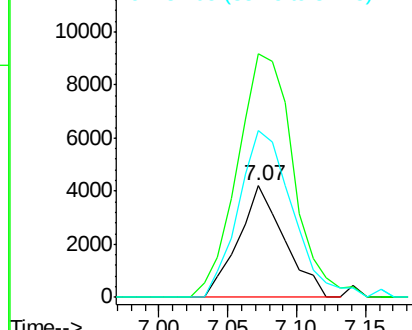
56 100

69 218.0 25.8 38.6#

84 149.3 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: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD061676.D

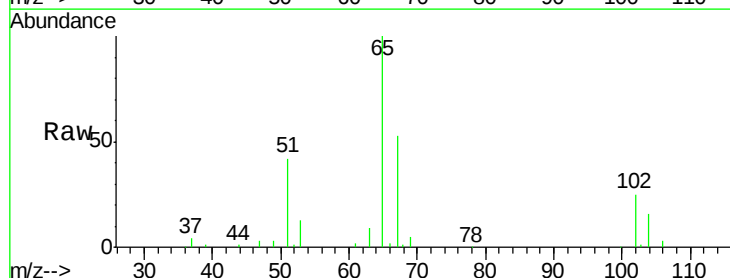
Acq: 9 Apr 2019 15:52

Tgt Ion: 65 Resp: 274462

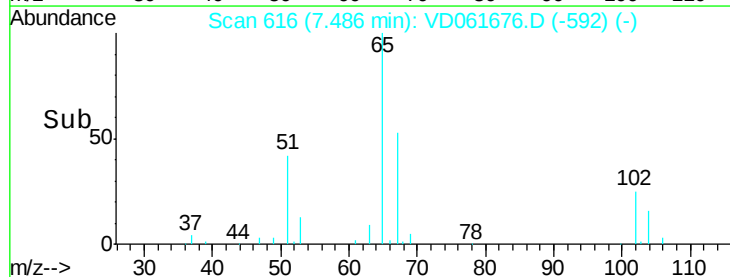
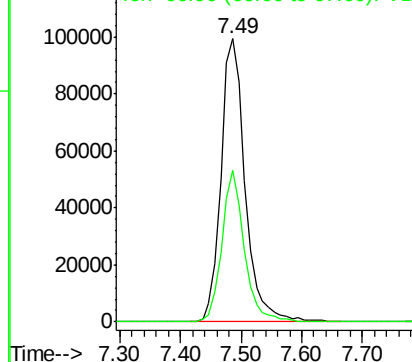
Ion Ratio Lower Upper

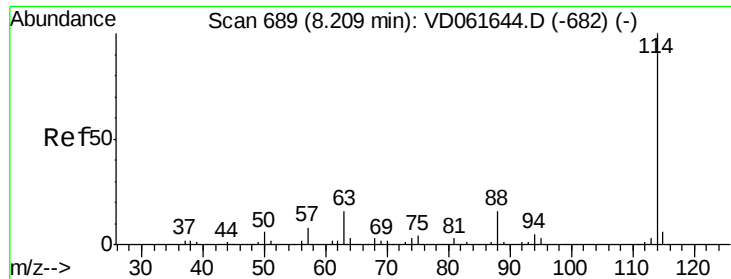
65 100

67 53.3 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

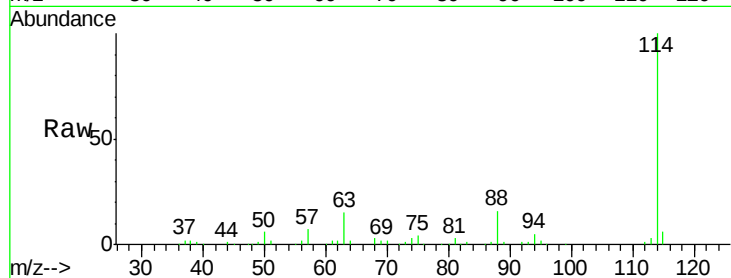




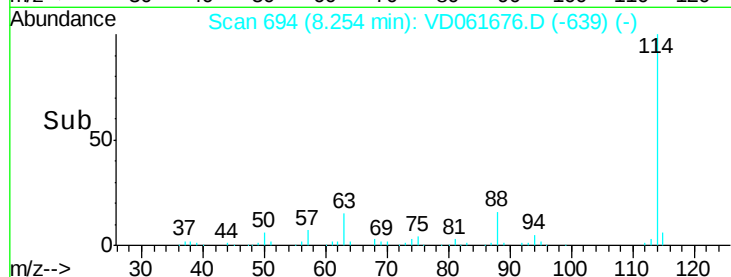
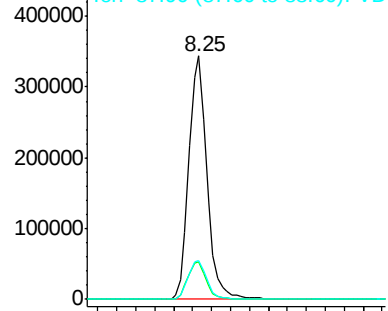
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 694
 Delta R.T. 0.04 min
 Lab File: VD061676.D
 Acq: 9 Apr 2019 15:52

Instrument :
 MSVOA_D
 ClientSampleId :

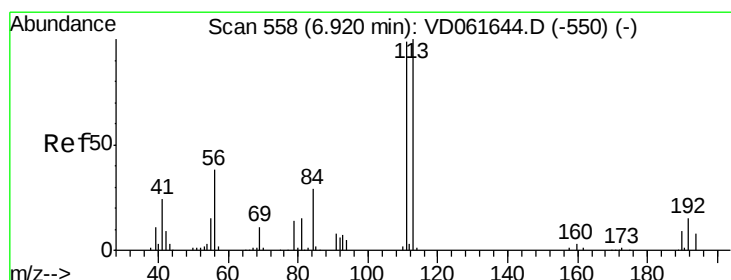
Tot Ion:114 Resp: 912403
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 31.2
 88 15.9 0.0 31.8



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

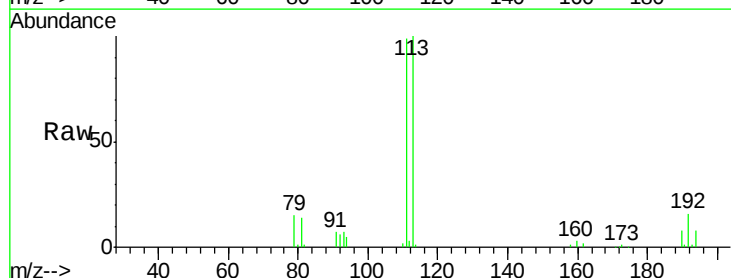


Time-->

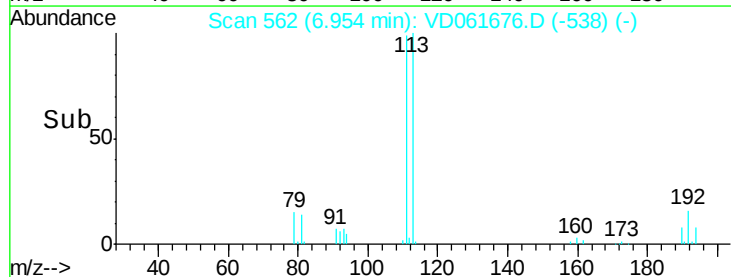
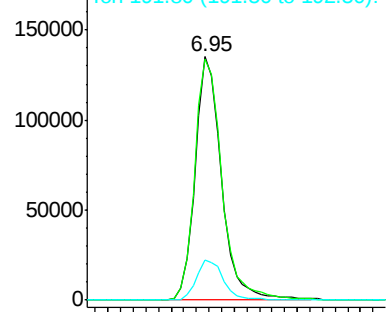


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061676.D
 Acq: 9 Apr 2019 15:52

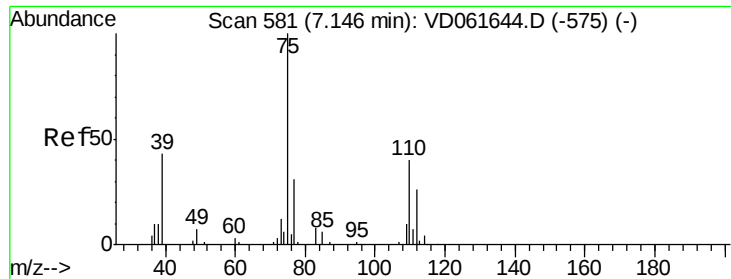
Tgt Ion:113 Resp: 393443
 Ion Ratio Lower Upper
 113 100
 111 99.0 79.3 118.9
 192 16.4 12.3 18.5



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



Time-->



#36

1,1-Dichloropropene

Concen: 5.344 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

Instrument :
MSVOA_D
ClientSampleId :

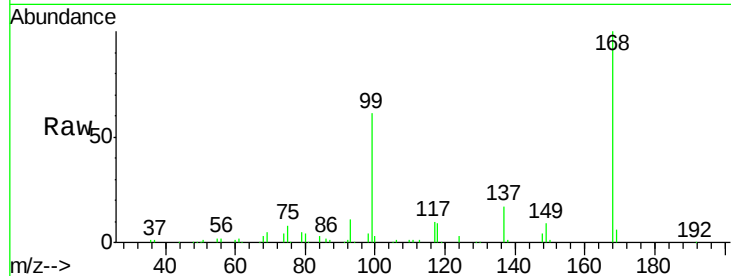
Tot Ion: 75 Resp: 42673

Ion Ratio Lower Upper

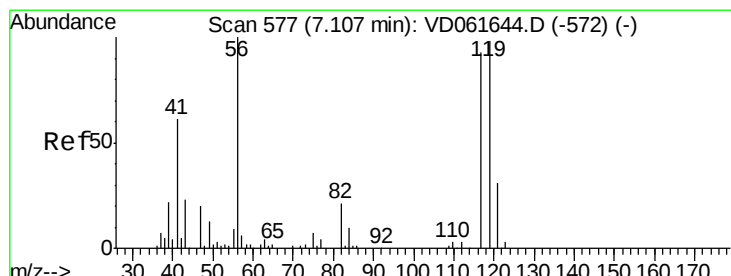
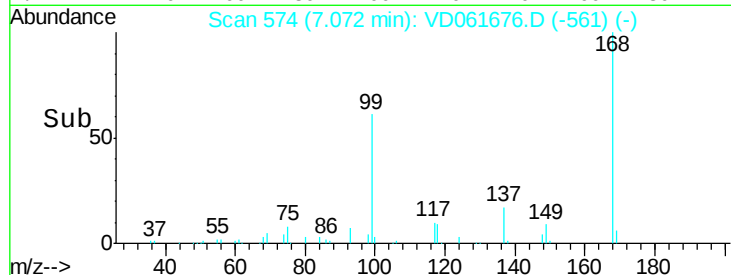
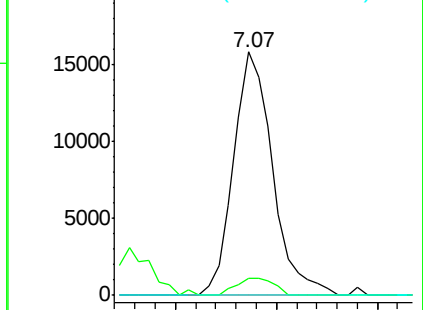
75 100

110 7.0 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): VDC
Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.02 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

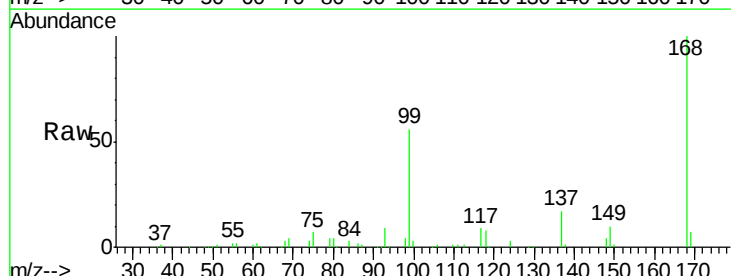
Tgt Ion: 117 Resp: 54734

Ion Ratio Lower Upper

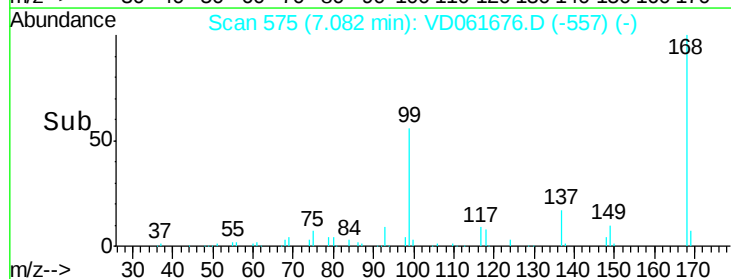
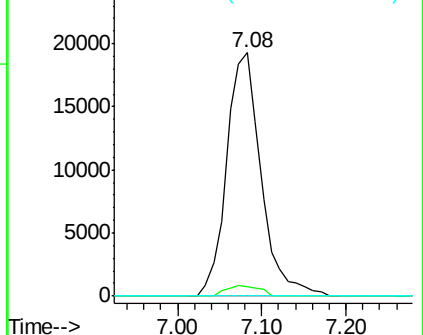
117 100

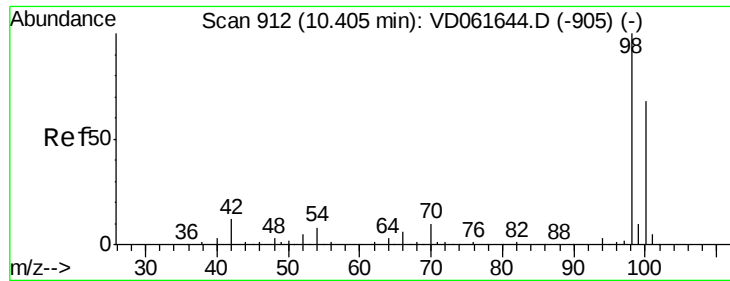
119 3.8 77.9 116.9#

121 0.0 24.7 37.1#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.03 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

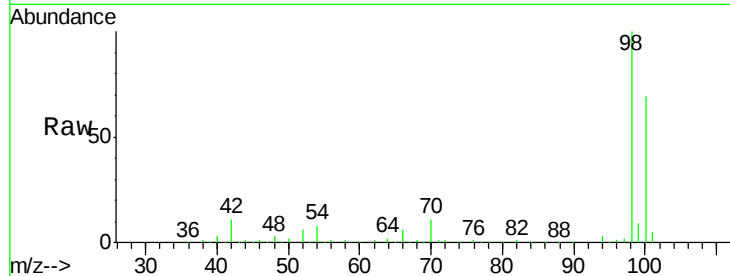
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 863917

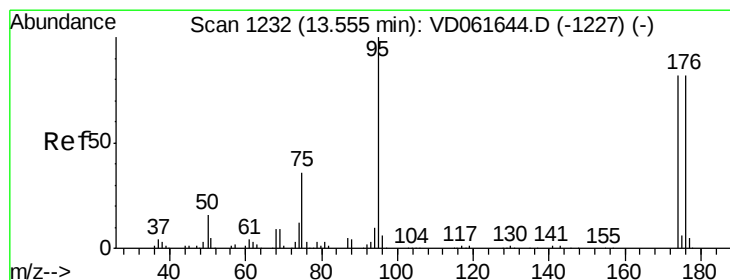
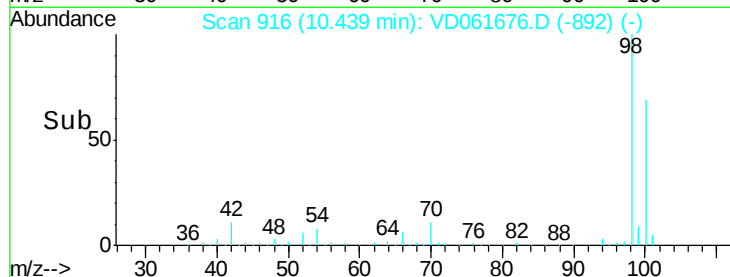
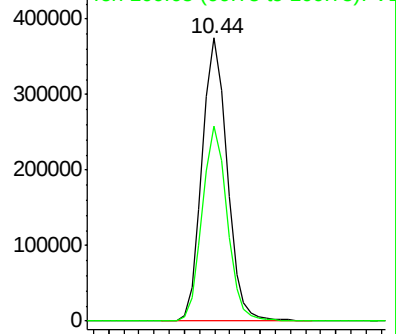
Ion Ratio Lower Upper

98 100

100 69.0 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

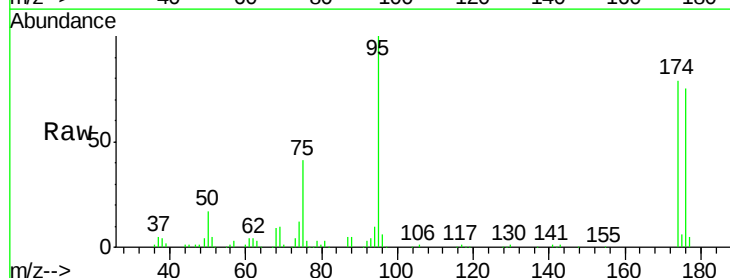
Tgt Ion: 95 Resp: 283557

Ion Ratio Lower Upper

95 100

174 78.9 0.0 164.6

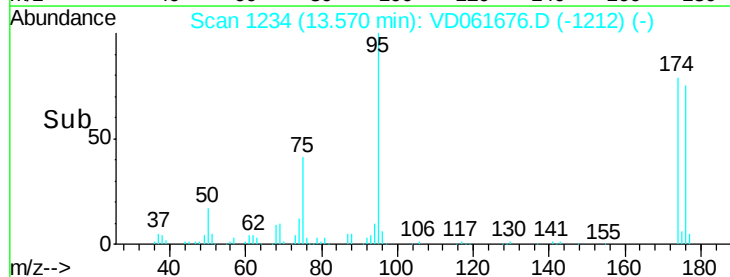
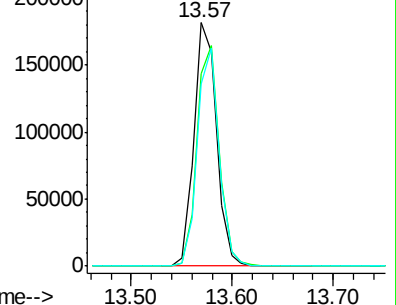
176 75.1 0.0 165.0

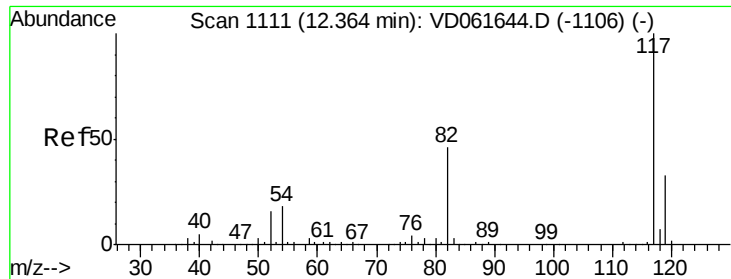


Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

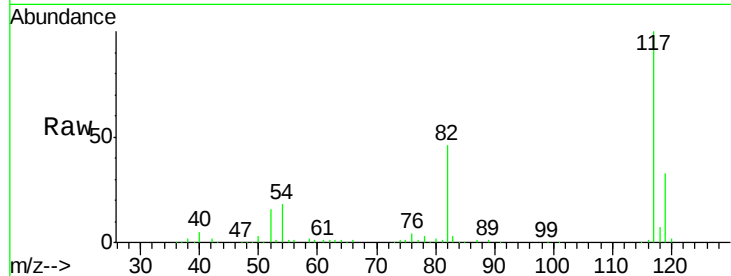




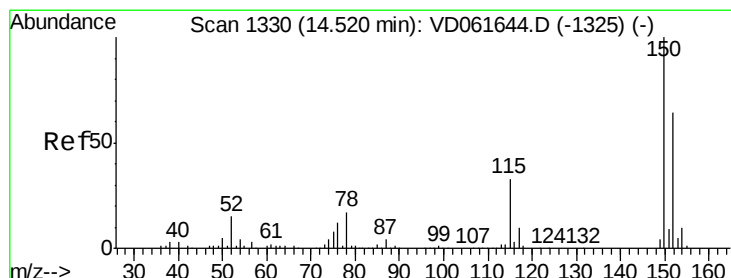
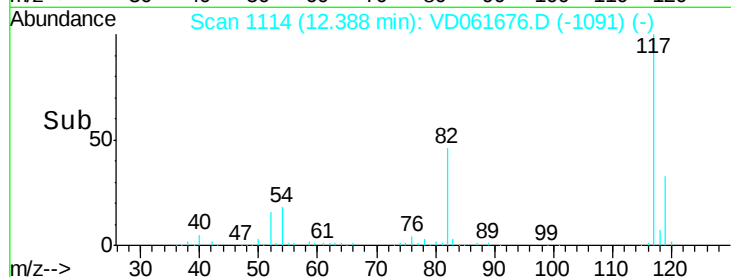
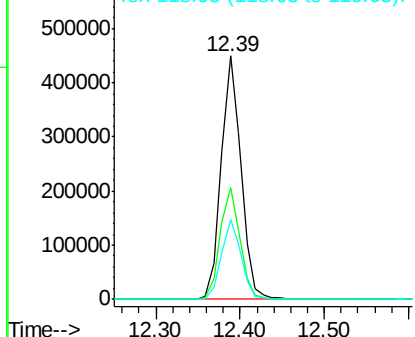
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061676.D
Acq: 9 Apr 2019 15:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 735219
Ion Ratio Lower Upper
117 100
82 46.0 36.8 55.2
119 32.9 26.1 39.1

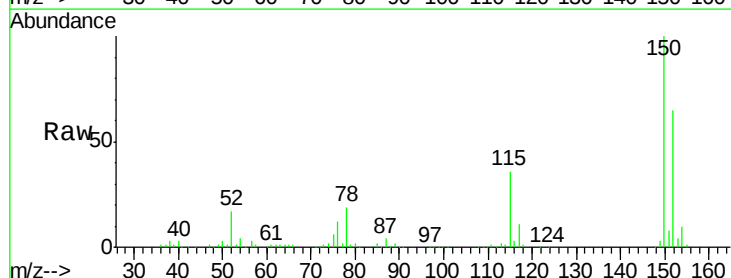


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

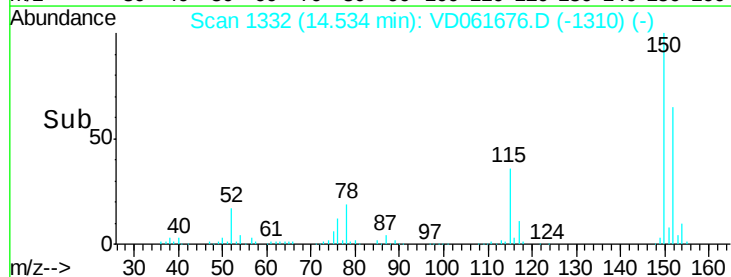
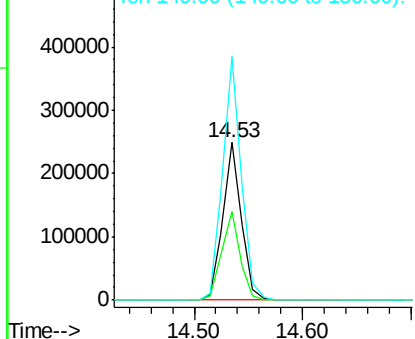


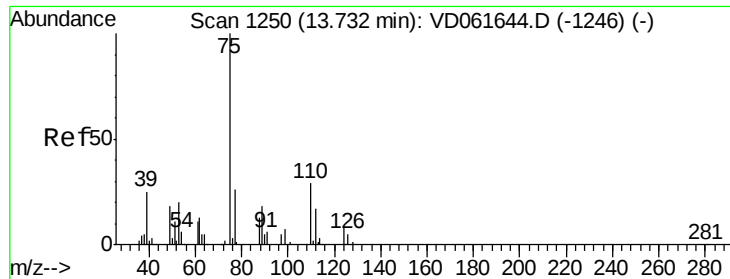
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VD061676.D
Acq: 9 Apr 2019 15:52

Tgt Ion:152 Resp: 294659
Ion Ratio Lower Upper
152 100
115 56.0 26.4 79.2
150 154.7 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: 26.124 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

Instrument :

MSVOA_D

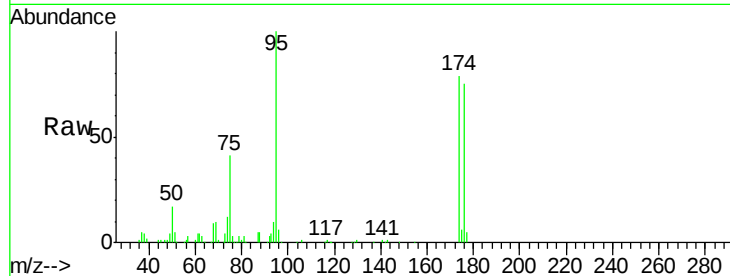
ClientSampleId :

Tot Ion: 75 Resp: 104726

Ion Ratio Lower Upper

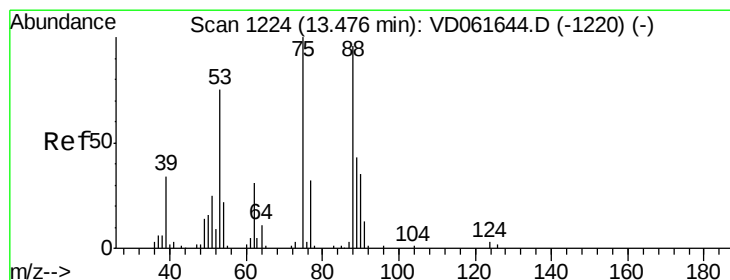
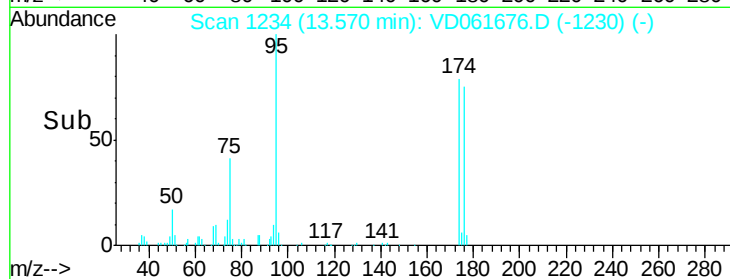
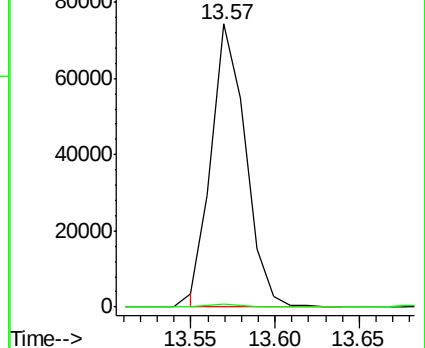
75 100

77 1.2 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 87.735 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD061676.D

Acq: 9 Apr 2019 15:52

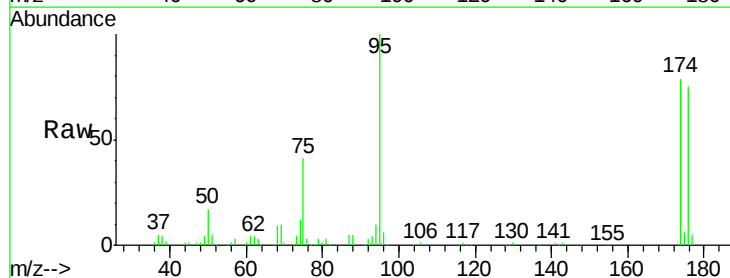
Tgt Ion: 75 Resp: 106729

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

