

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061657.D
 Acq On : 8 Apr 2019 18:14
 Operator : VA/AP
 Sample : K2240-08
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:22:04 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	393192	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	671220	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	476835	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	152988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	153180	51.40	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	102.80%	
35) Dibromofluoromethane	6.94	113	220210	47.36	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	94.72%	
50) Toluene-d8	10.43	98	413506	35.39	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	70.78%	
62) 4-Bromofluorobenzene	13.56	95	135113	30.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	60.46%	

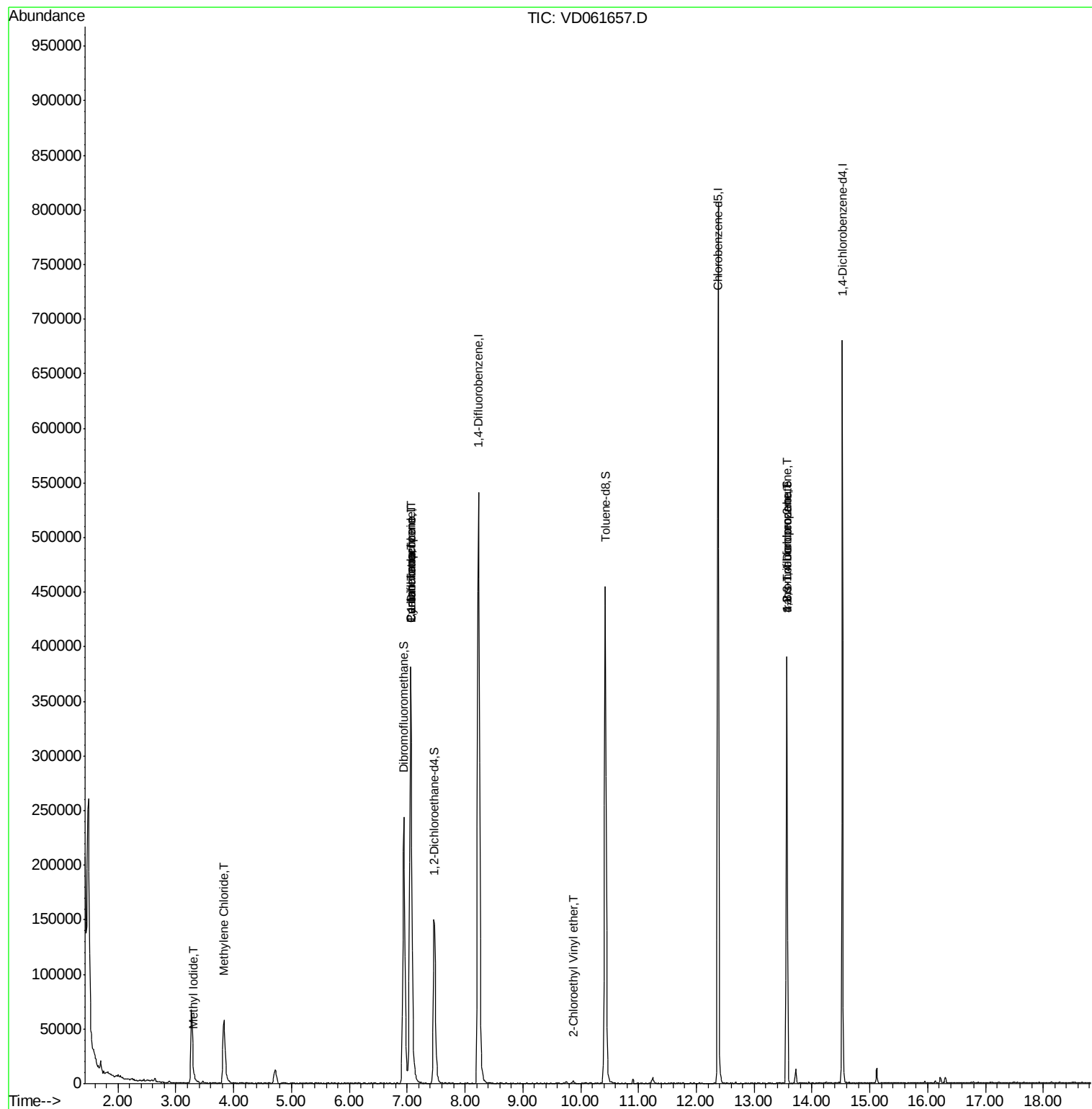
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	611	3.734	ug/l #	38
20) Methylene Chloride	3.83	84	44491	8.800	ug/l	96
31) Cyclohexane	7.06	56	6945	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	26387	4.492	ug/l #	47
38) Carbon Tetrachloride	7.06	117	39116	5.682	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.87	63	1650	1.111	ug/l #	46
76) 1,2,3-Trichloropropane	13.56	75	43248	20.778	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	50001	79.164	ug/l #	20

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

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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# 573

Delta R.T. 0.02 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

Instrument :

MSVOA_D

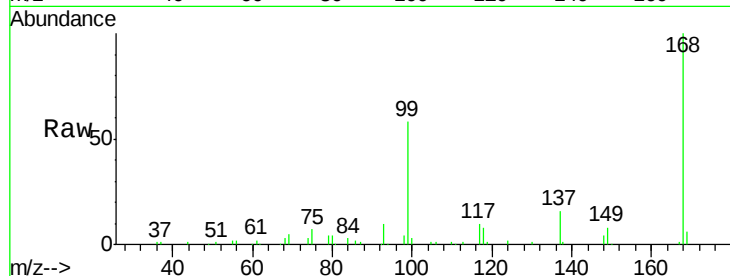
ClientSampleId :

Tot Ion:168 Resp: 393192

Ion Ratio Lower Upper

168 100

99 57.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

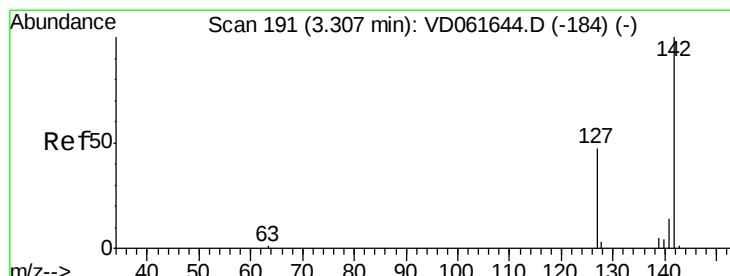
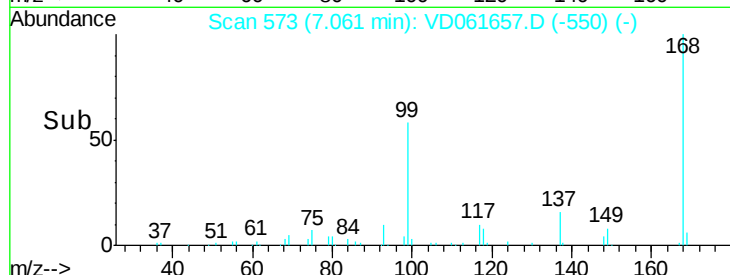
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.734 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

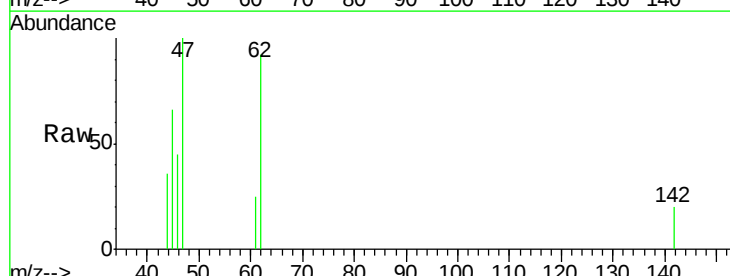
Tgt Ion:142 Resp: 611

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

3.32

500

400

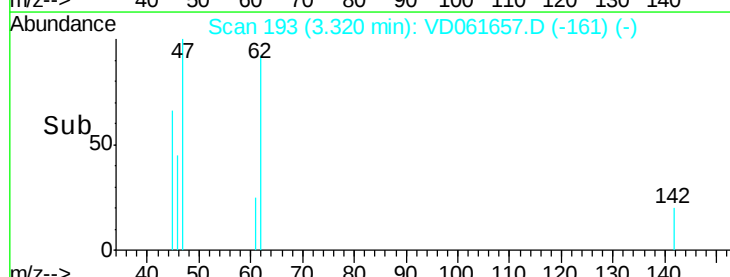
300

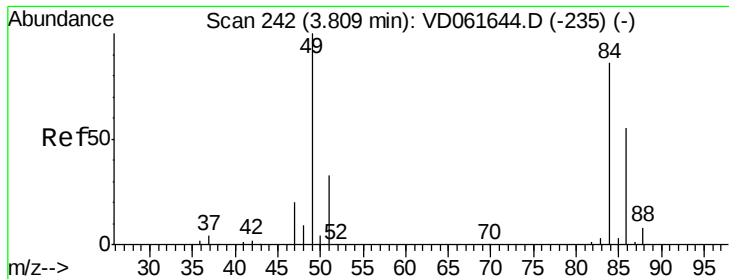
200

100

0

Time--> 3.30 3.35





#20

Methylene Chloride

Concen: 8.800 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 44491

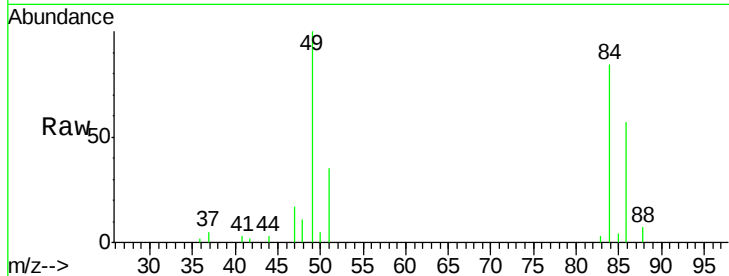
Ion Ratio Lower Upper

84 100

49 119.2 93.0 139.4

51 42.0 30.4 45.6

86 68.2 51.0 76.4

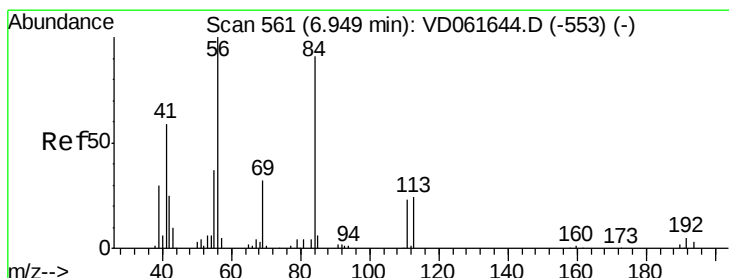
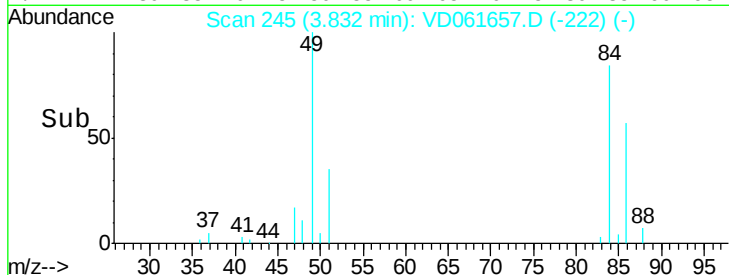
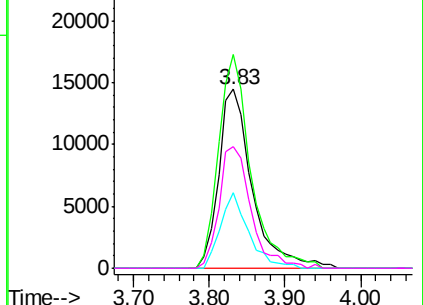


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.238 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

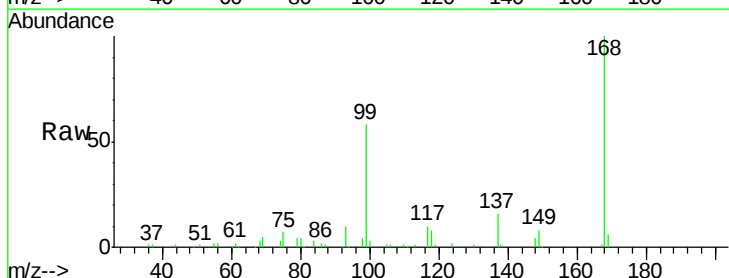
Tgt Ion: 56 Resp: 6945

Ion Ratio Lower Upper

56 100

69 226.3 25.8 38.6#

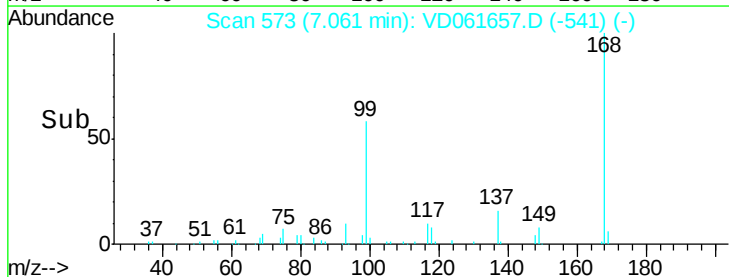
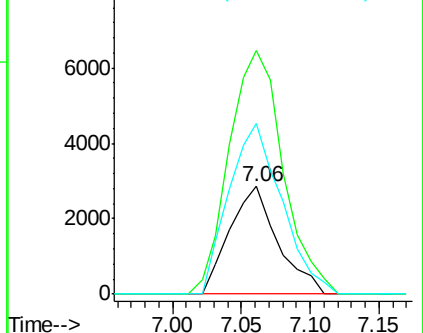
84 158.4 74.2 111.2#

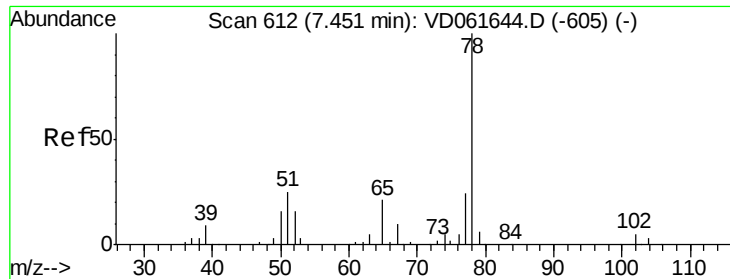


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

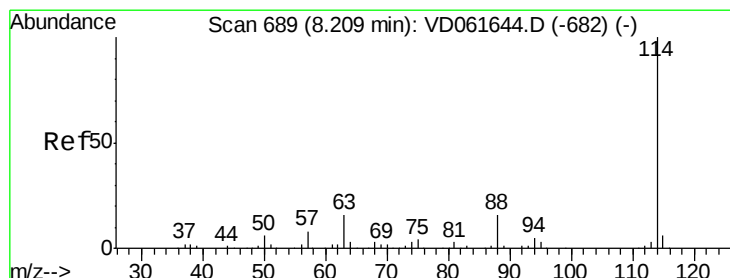
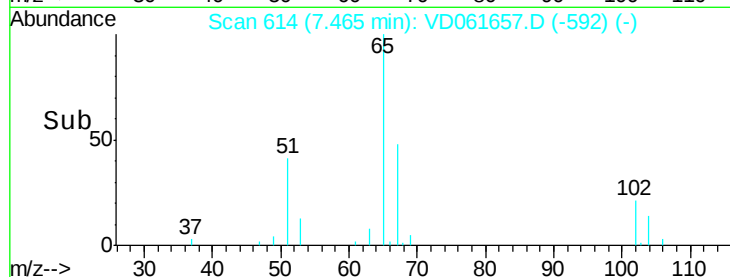
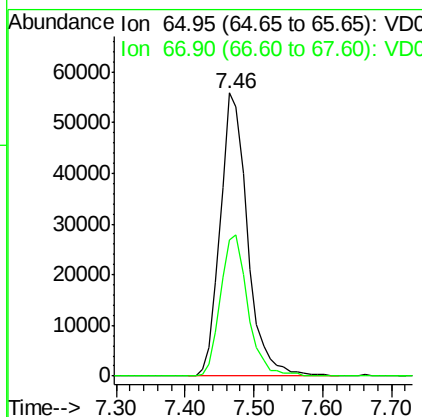
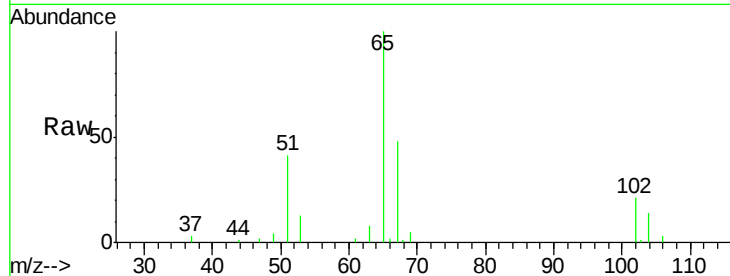




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061657.D
 Acq: 8 Apr 2019 18:14

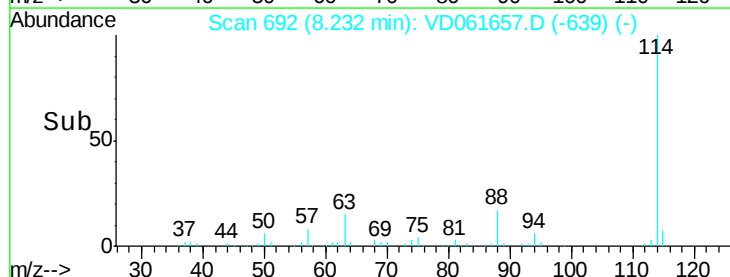
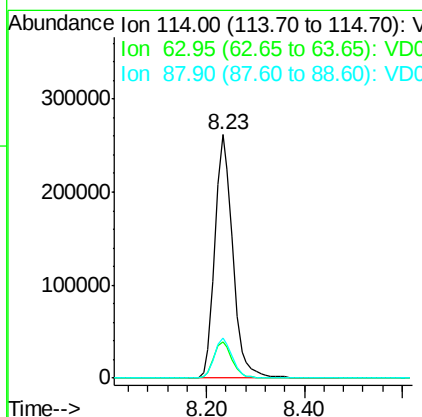
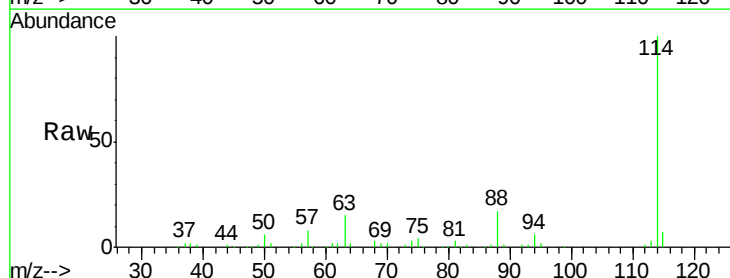
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 153180
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061657.D
 Acq: 8 Apr 2019 18:14

Tgt Ion: 114 Resp: 671220
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.2
 88 16.6 0.0 31.8

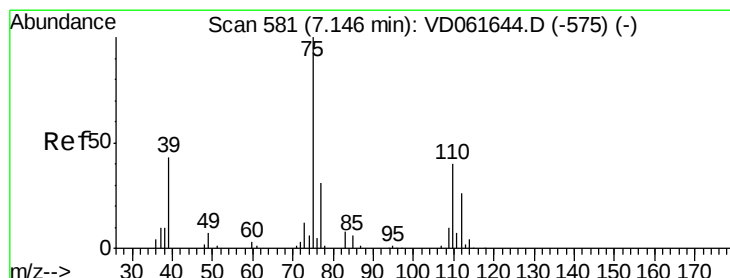
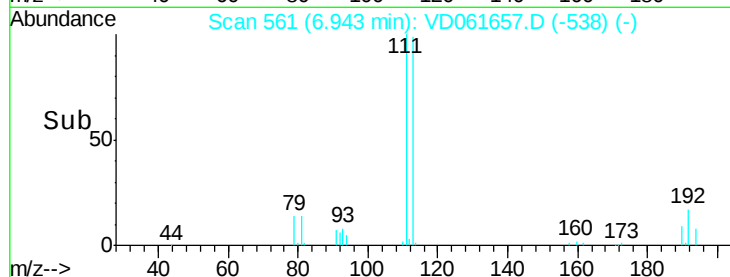
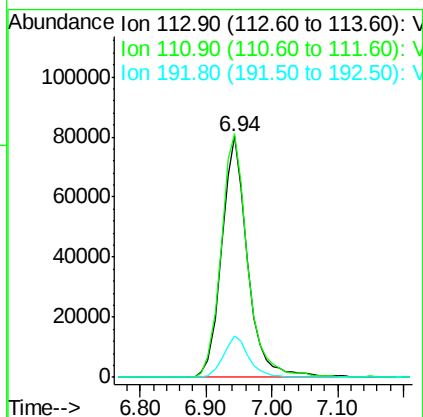
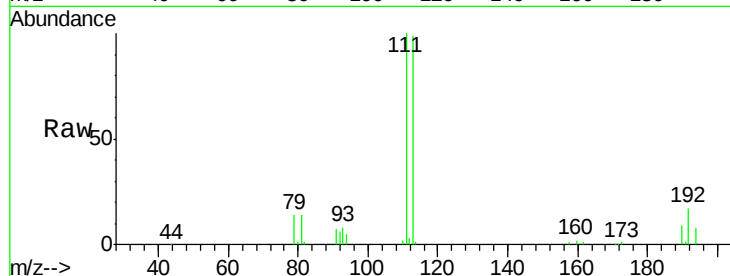




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061657.D
 Acq: 8 Apr 2019 18:14

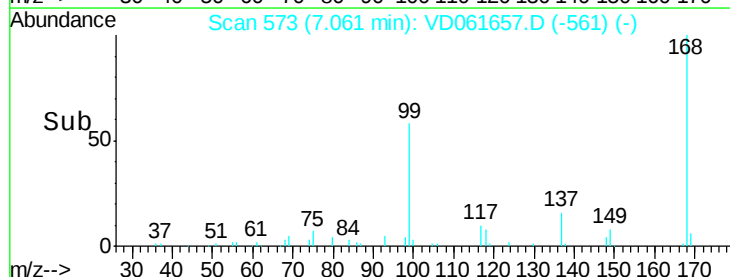
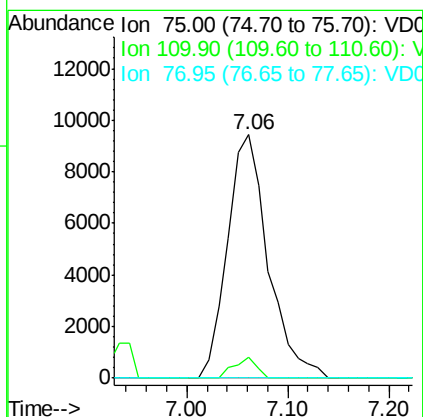
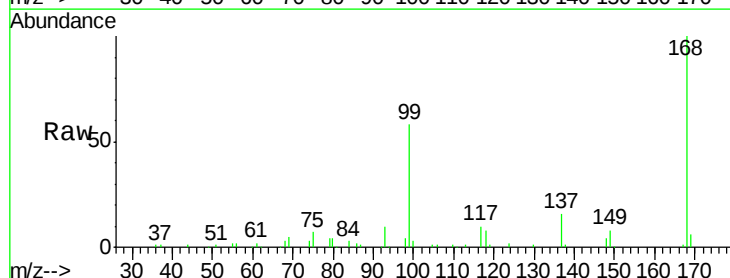
Instrument :
 MSVOA_D
 ClientSampled :

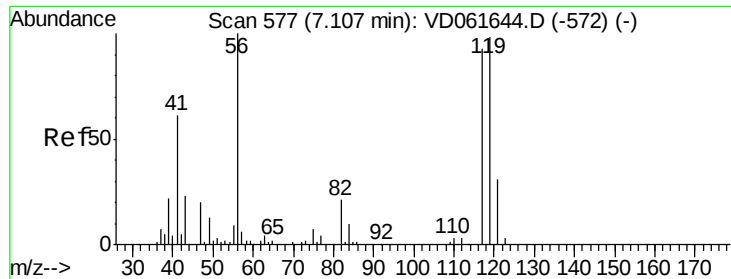
Tot Ion:113 Resp: 220210
 Ion Ratio Lower Upper
 113 100
 111 101.0 79.3 118.9
 192 17.0 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 4.492 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.09 min
 Lab File: VD061657.D
 Acq: 8 Apr 2019 18:14

Tgt Ion: 75 Resp: 26387
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.7 59.0#
 77 0.0 24.8 37.2#

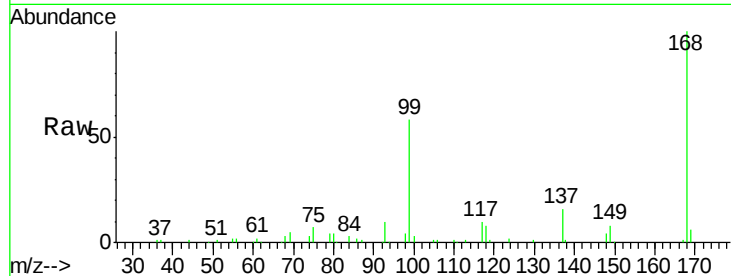




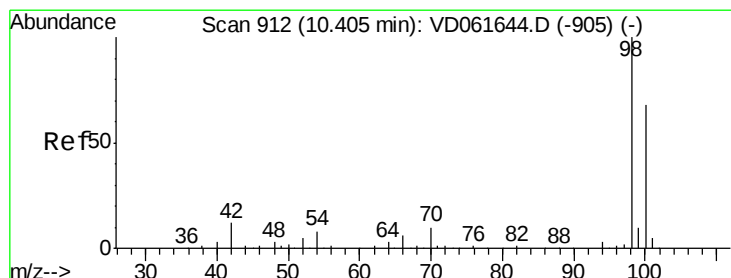
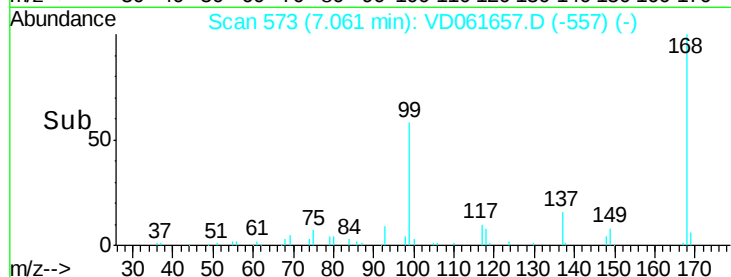
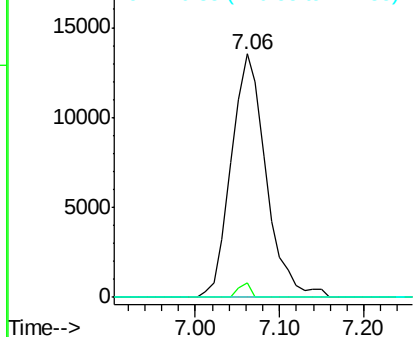
#38
Carbon Tetrachloride
Concen: 5.682 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD061657.D
Acq: 8 Apr 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 39116
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.7 37.1#

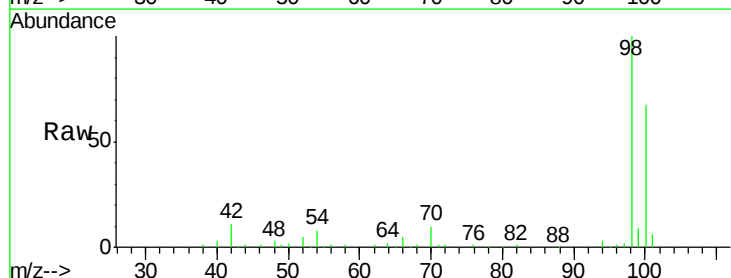


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

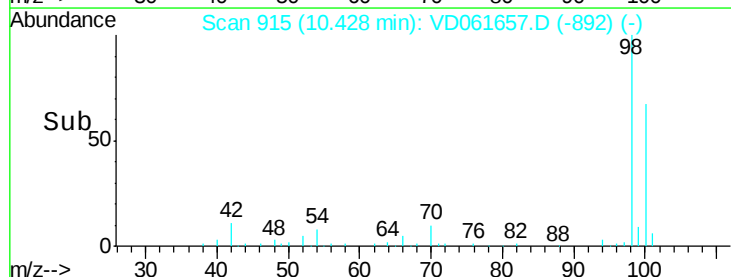
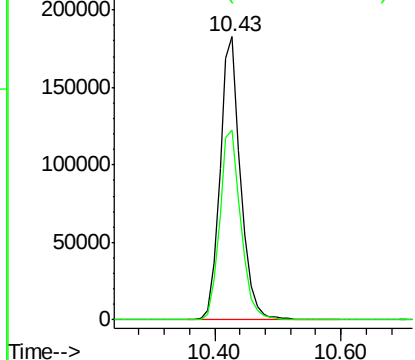


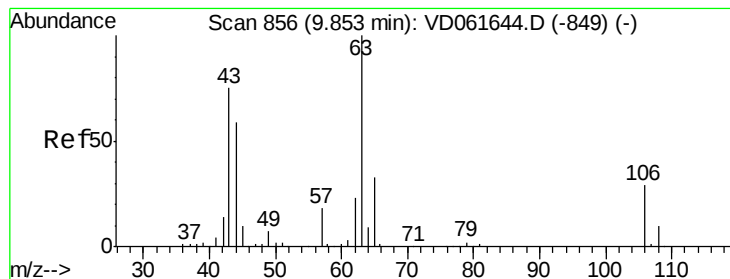
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061657.D
Acq: 8 Apr 2019 18:14

Tgt Ion: 98 Resp: 413506
Ion Ratio Lower Upper
98 100
100 67.1 55.4 83.0



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





#58

2-Chloroethyl Vinyl ether

Concen: 1.111 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

Instrument :

MSVOA_D

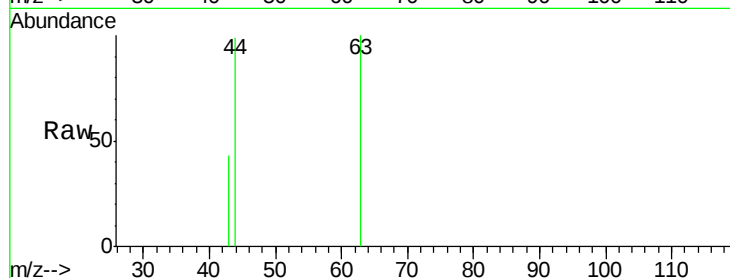
ClientSampleId :

Tot Ion: 63 Resp: 1650

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



Abundance Ion 62.95 (62.65 to 63.65): VD0

Ion 105.95 (105.65 to 106.65): V

9.87

1200

1000

800

600

400

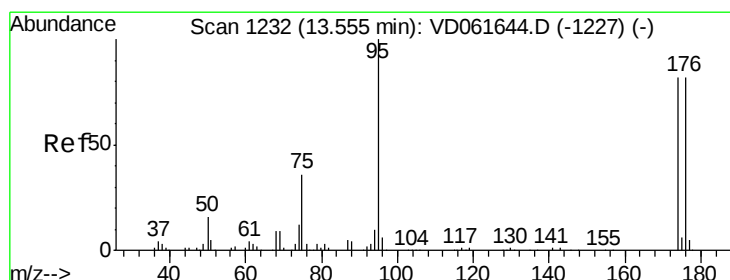
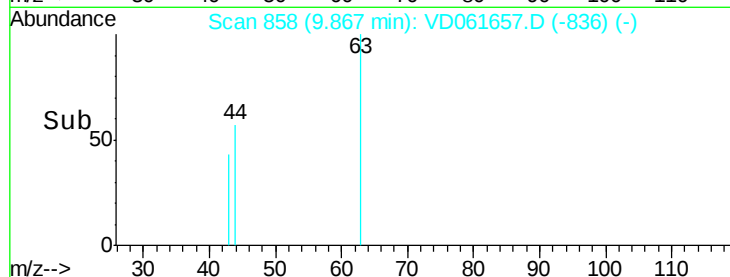
200

0

9.85

9.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

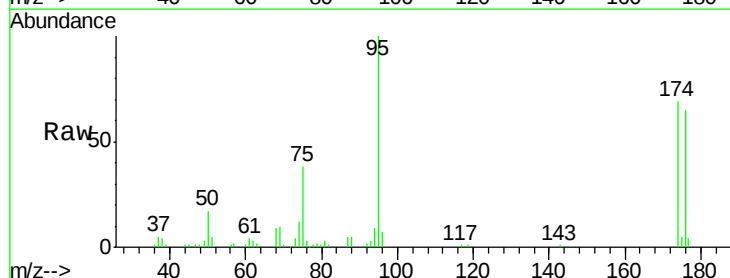
Tgt Ion: 95 Resp: 135113

Ion Ratio Lower Upper

95 100

174 68.8 0.0 164.6

176 64.9 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

120000

100000

80000

60000

40000

20000

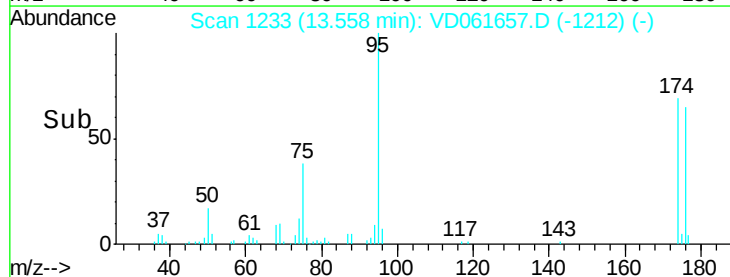
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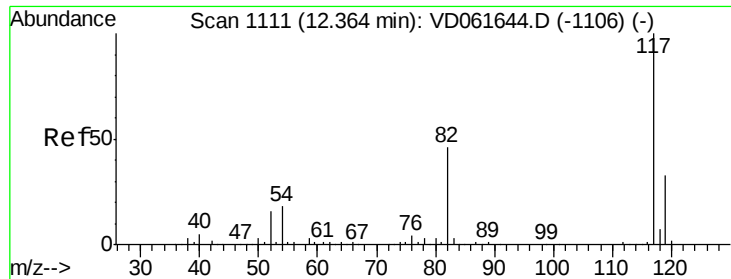
13.50

13.55

13.60

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

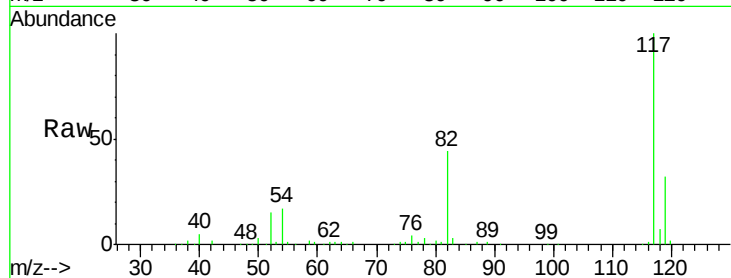
Tot Ion:117 Resp: 476835

Ion Ratio Lower Upper

117 100

82 44.4 36.8 55.2

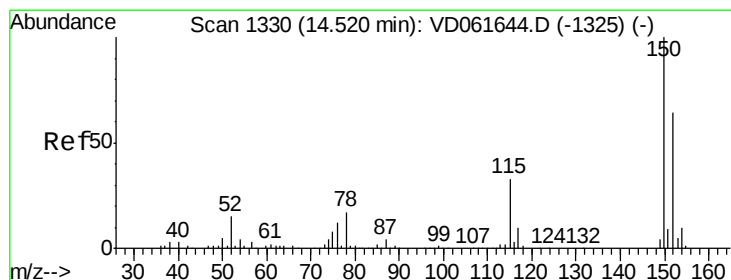
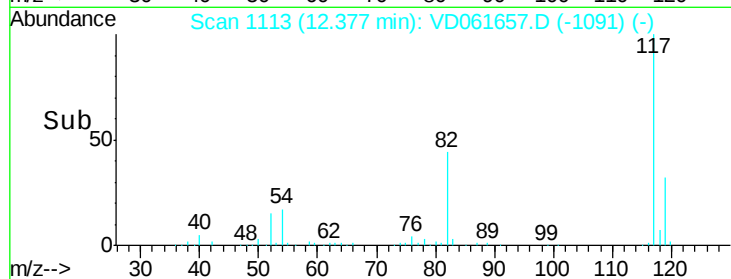
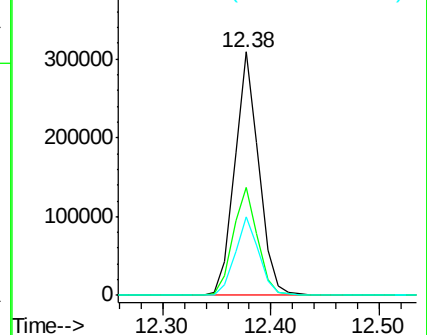
119 32.2 26.1 39.1



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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061657.D

Acq: 8 Apr 2019 18:14

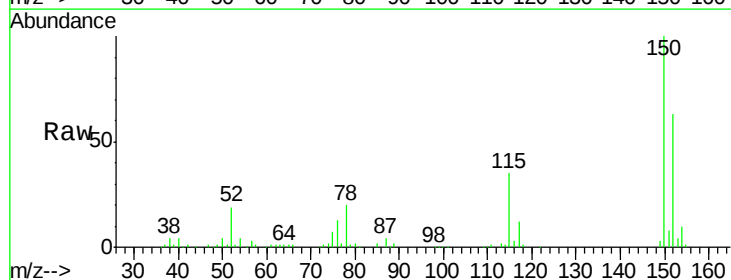
Tgt Ion:152 Resp: 152988

Ion Ratio Lower Upper

152 100

115 55.3 26.4 79.2

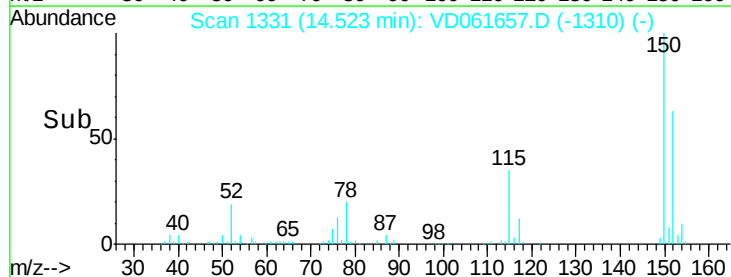
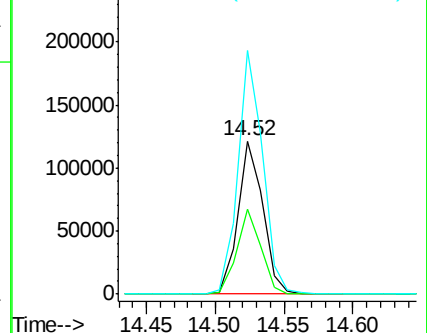
150 158.9 0.0 320.6

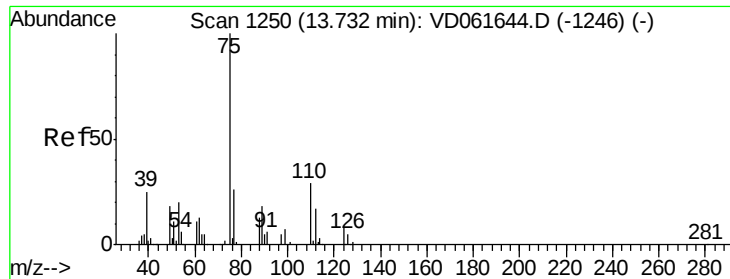


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

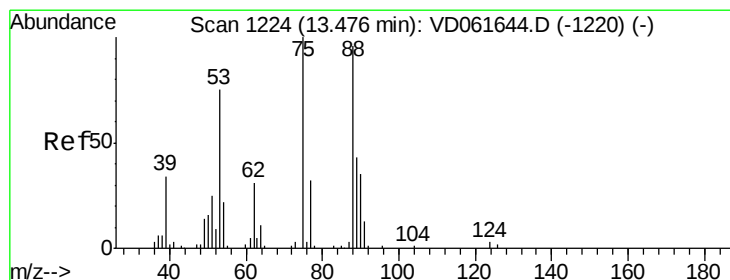
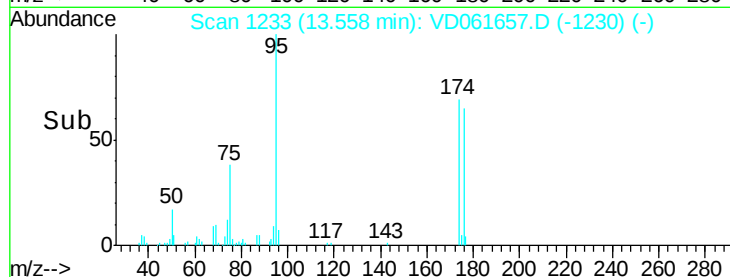
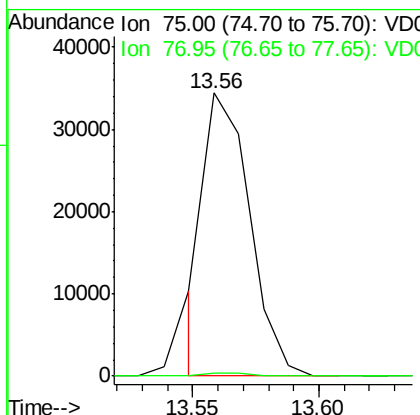
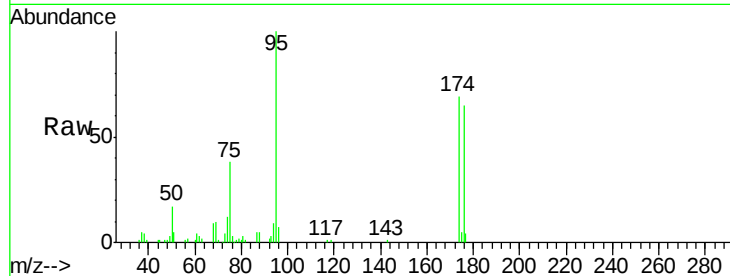




#76
 1,2,3-Trichloropropane
 Concen: 20.778 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD061657.D
 Acq: 8 Apr 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 43248
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.7 47.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.164 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD061657.D
 Acq: 8 Apr 2019 18:14

Tgt Ion: 75 Resp: 50001
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.2 90.2#
 89 0.0 34.2 51.2#

