

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061712.D
 Acq On : 10 Apr 2019 14:50
 Operator : VA/AP
 Sample : K2334-01
 Misc : 3.80g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 01:06:05 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

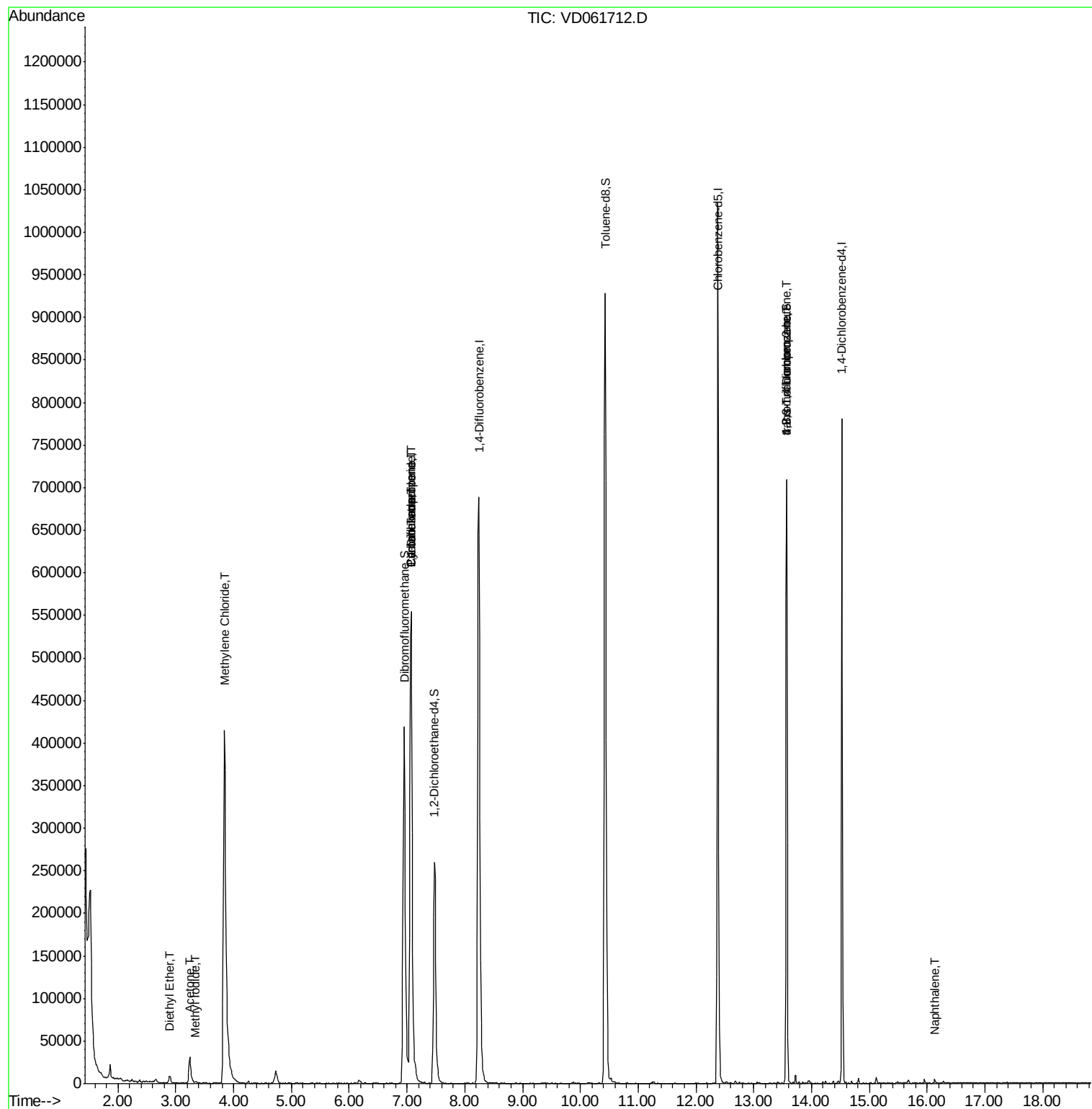
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	585048	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	896111	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	631780	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	177761	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	258804	58.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	116.72%	
35) Dibromofluoromethane	6.95	113	399906	64.42	ug/l	0.03
Spiked Amount 50.000			Recovery	=	128.84%	
50) Toluene-d8	10.43	98	825903	52.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	13.57	95	231187	40.52	ug/l	0.01
Spiked Amount 50.000			Recovery	=	81.04%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.90	74	4466	2.211	ug/l	82
10) Methyl Iodide	3.34	142	2431	3.868	ug/l #	38
16) Acetone	3.24	43	58659	44.249	ug/l	100
20) Methylene Chloride	3.84	84	348449	46.321	ug/l	97
31) Cyclohexane	7.07	56	11710	1.403	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	41728	5.321	ug/l #	46
38) Carbon Tetrachloride	7.07	117	57489	6.255	ug/l #	16
76) 1,2,3-Trichloropropane	13.57	75	75590	31.256	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	84848	115.615	ug/l #	20
95) Naphthalene	16.13	128	4043	1.028	ug/l #	85

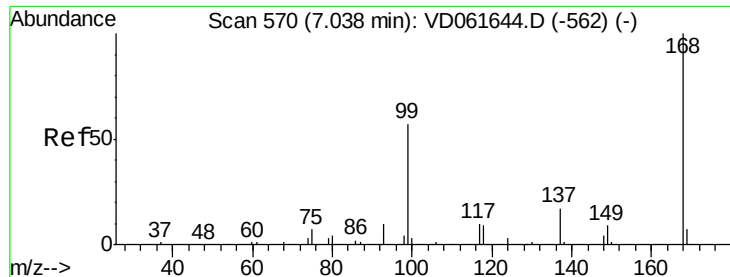
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041019\
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Quant Time: Apr 11 01:06:05 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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

Instrument :

MSVOA_D

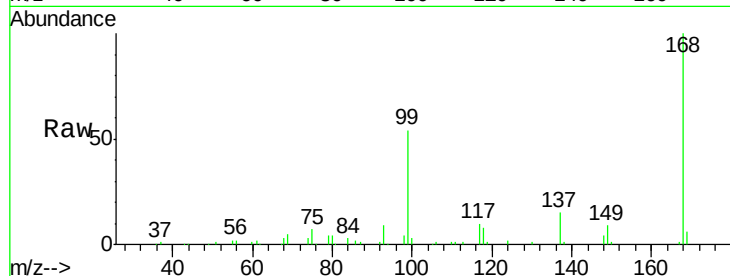
ClientSampleId :

Tot Ion:168 Resp: 585048

Ion Ratio Lower Upper

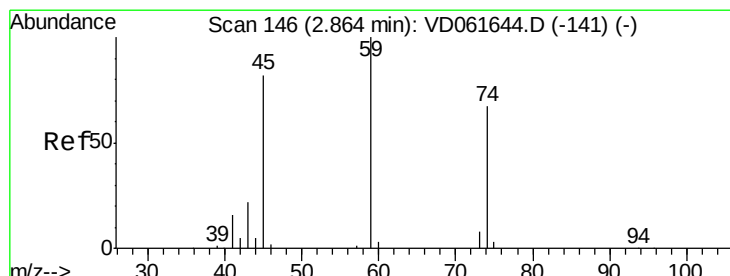
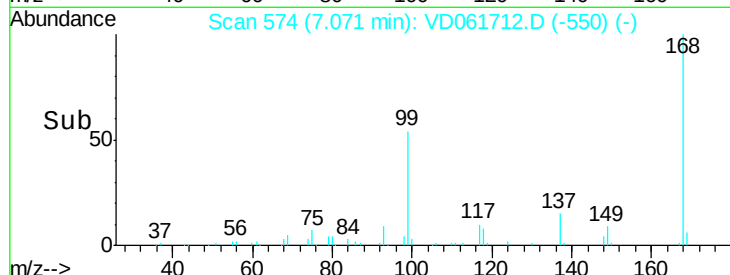
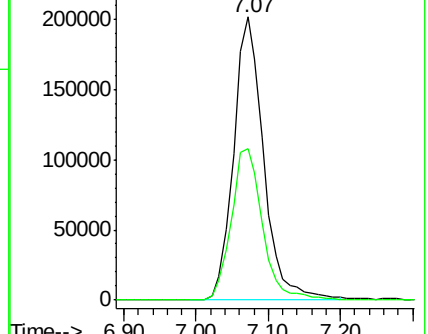
168 100

99 53.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.211 ug/l

RT: 2.90 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD061712.D

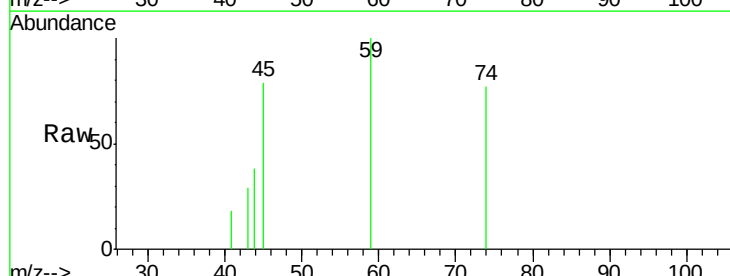
Acq: 10 Apr 2019 14:50

Tgt Ion: 74 Resp: 4466

Ion Ratio Lower Upper

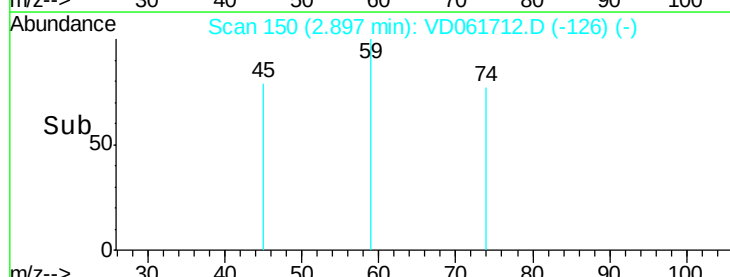
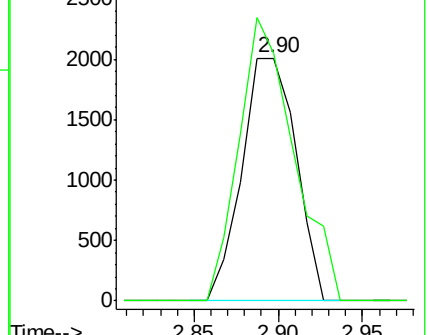
74 100

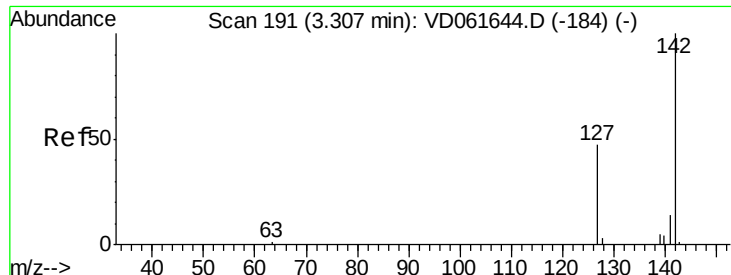
45 102.1 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

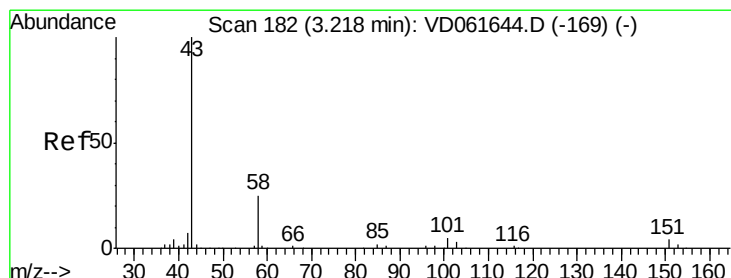
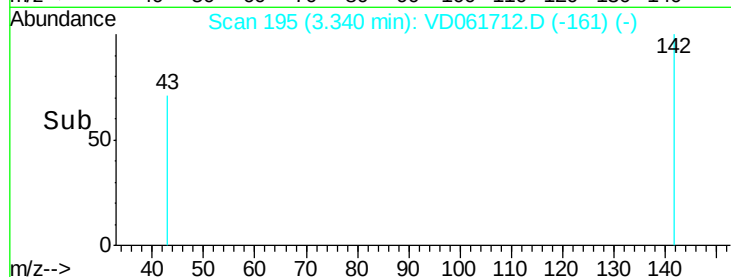
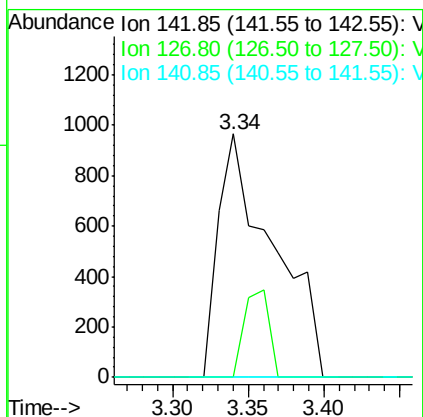
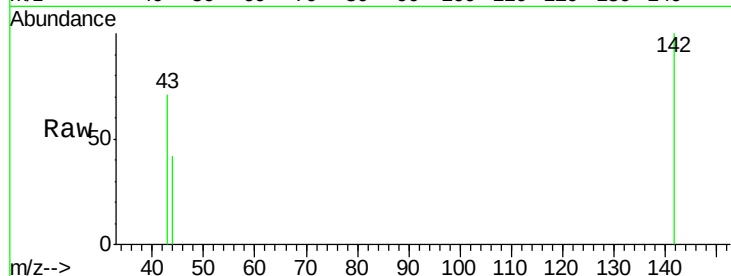




#10
Methyl Iodide
Concen: 3.868 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.03 min
Lab File: VD061712.D
Acq: 10 Apr 2019 14:50

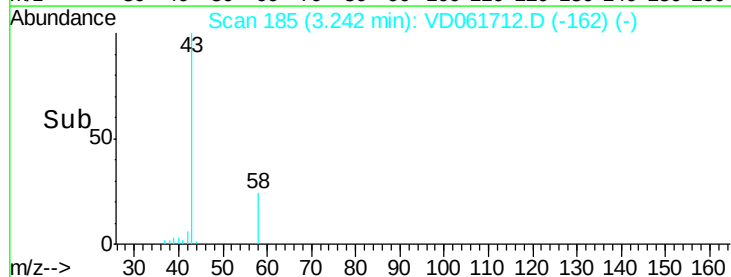
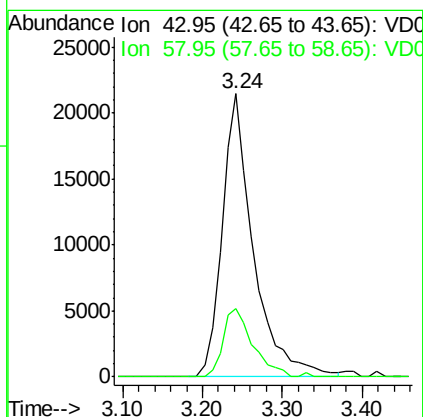
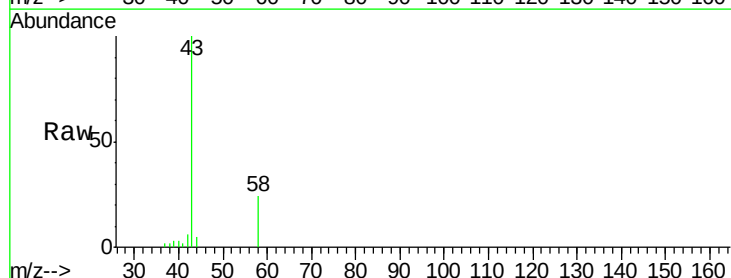
Instrument :
MSVOA_D
ClientSampled :

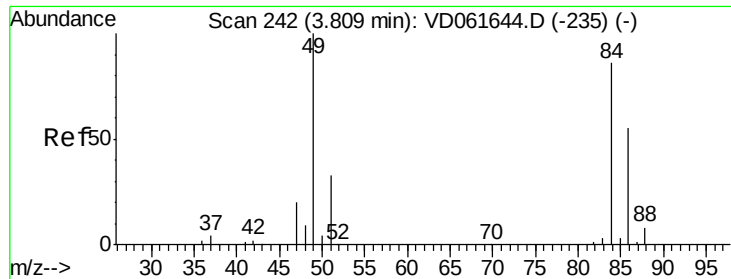
Tot Ion:142 Resp: 2431
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 10.8 16.2#



#16
Acetone
Concen: 44.249 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD061712.D
Acq: 10 Apr 2019 14:50

Tgt Ion: 43 Resp: 58659
Ion Ratio Lower Upper
43 100
58 24.4 19.7 29.5

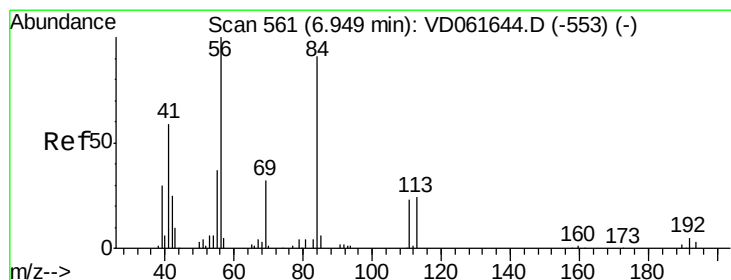
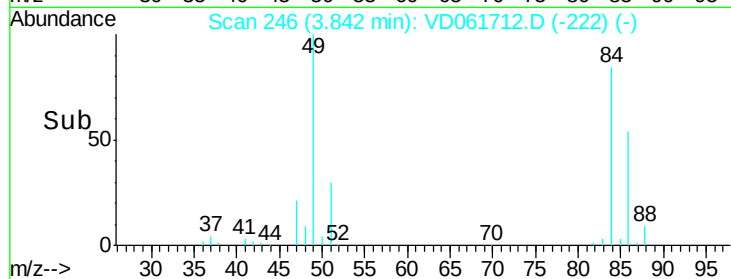
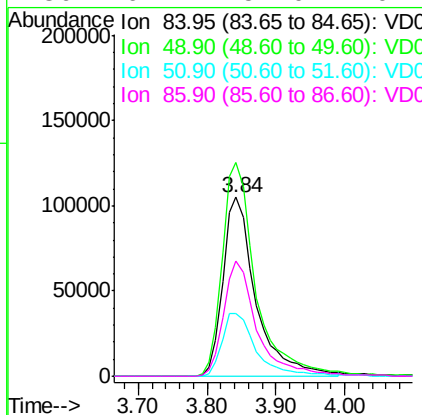
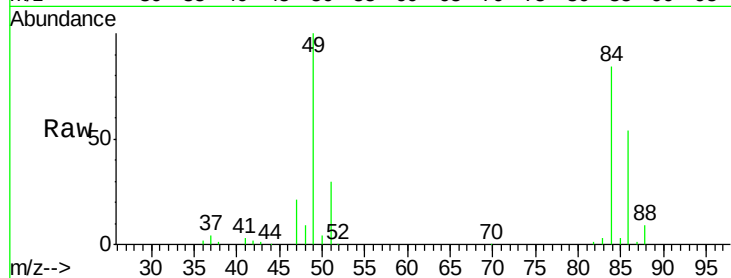




#20
Methylene Chloride
Concen: 46.321 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD061712.D
Acq: 10 Apr 2019 14:50

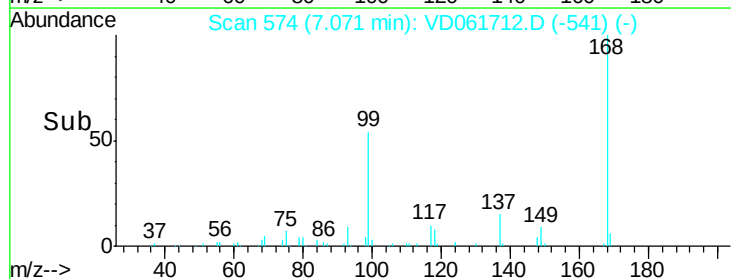
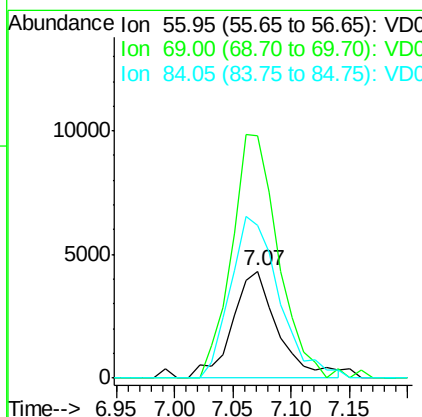
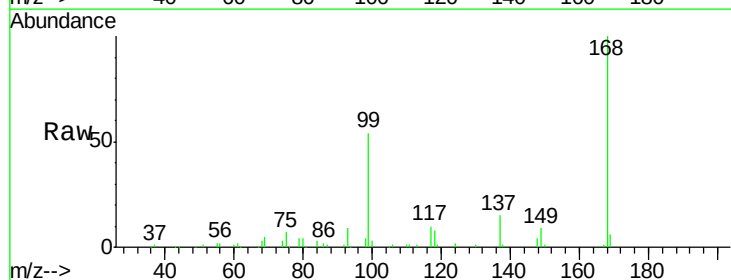
Instrument :
MSVOA_D
ClientSampleId :

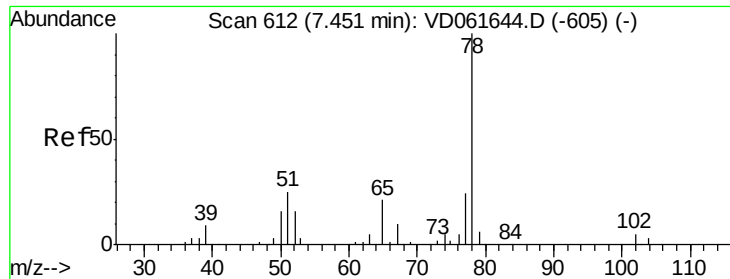
Tot Ion: 84 Resp: 348449
Ion Ratio Lower Upper
84 100
49 119.6 93.0 139.4
51 35.4 30.4 45.6
86 64.4 51.0 76.4



#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.12 min
Lab File: VD061712.D
Acq: 10 Apr 2019 14:50

Tgt Ion: 56 Resp: 11710
Ion Ratio Lower Upper
56 100
69 227.1 25.8 38.6#
84 142.9 74.2 111.2#

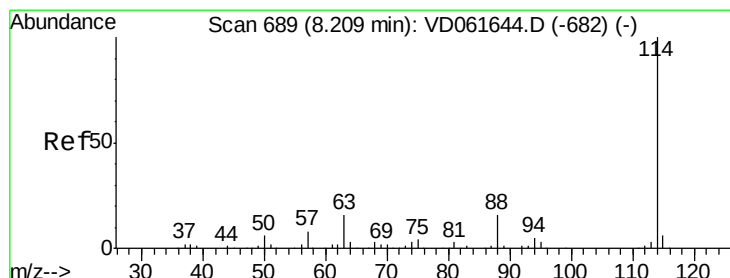
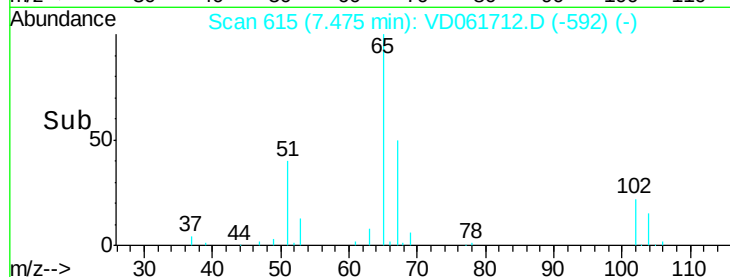
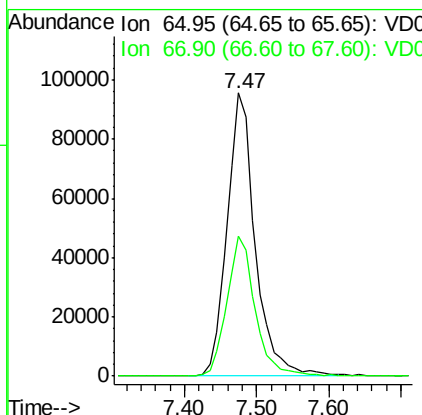
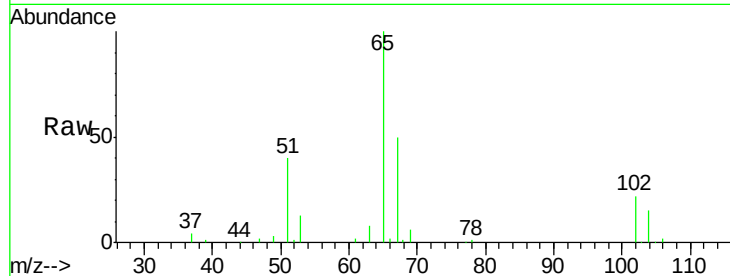




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD061712.D
 Acq: 10 Apr 2019 14:50

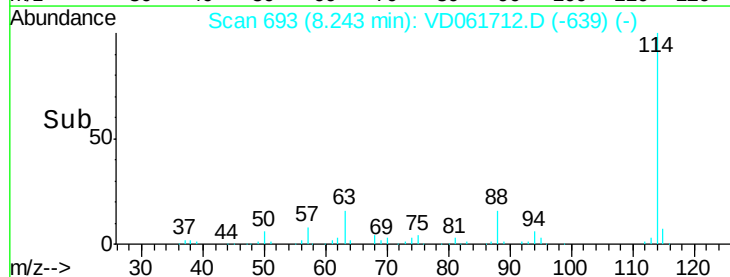
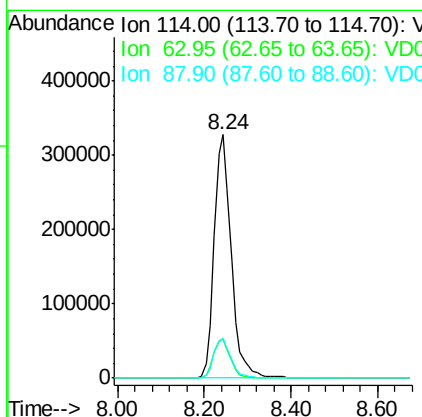
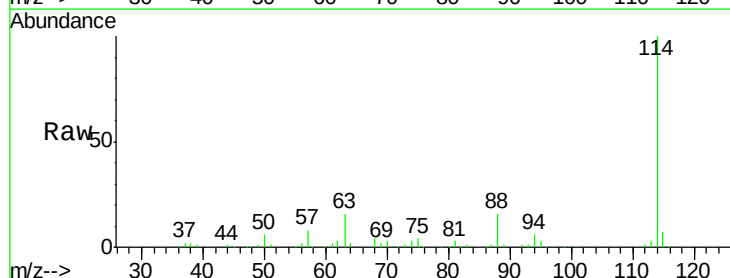
Instrument :
 MSVOA_D
 ClientSampled :

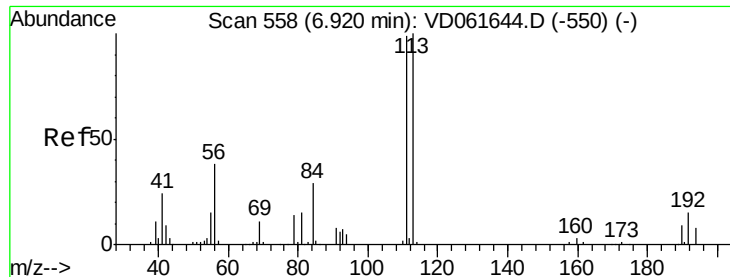
Tot Ion: 65 Resp: 258804
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061712.D
 Acq: 10 Apr 2019 14:50

Tgt Ion: 114 Resp: 896111
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.2
 88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :

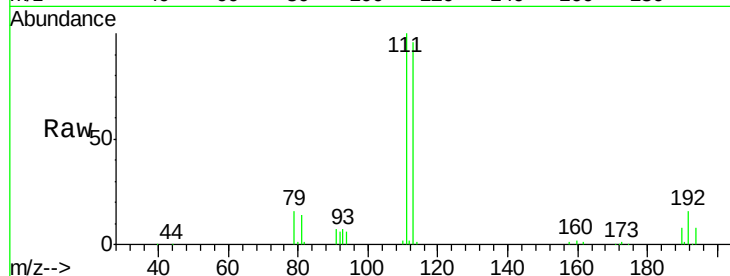
Tot Ion:113 Resp: 399906

Ion Ratio Lower Upper

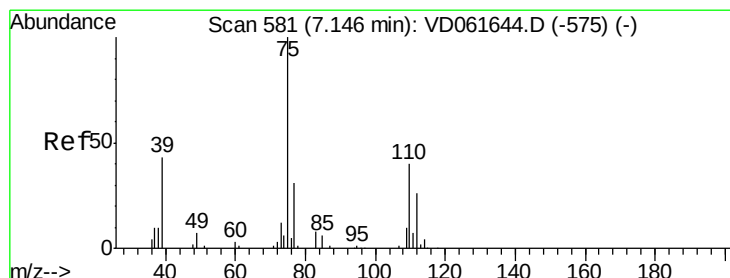
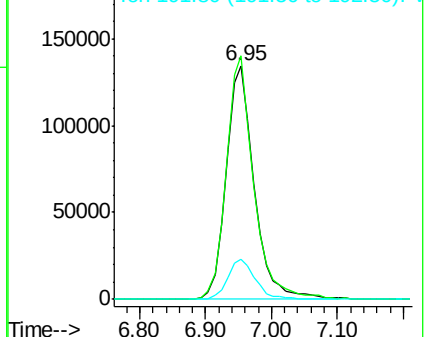
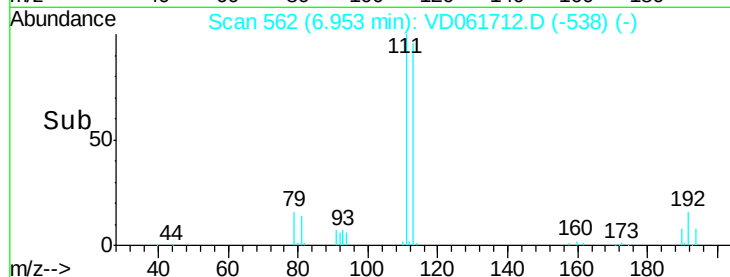
113 100

111 104.2 79.3 118.9

192 17.2 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: 5.321 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

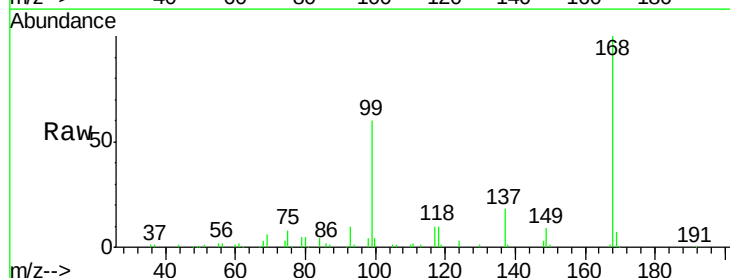
Tgt Ion: 75 Resp: 41728

Ion Ratio Lower Upper

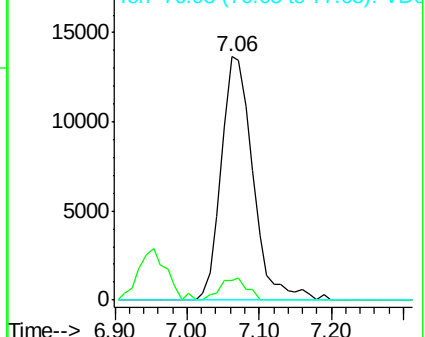
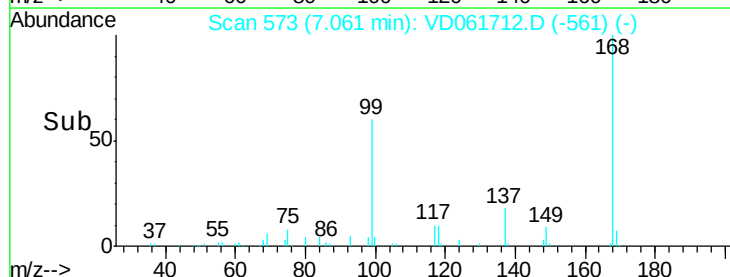
75 100

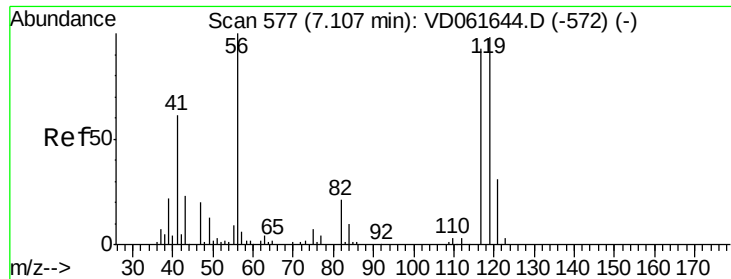
110 7.8 19.7 59.0#

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

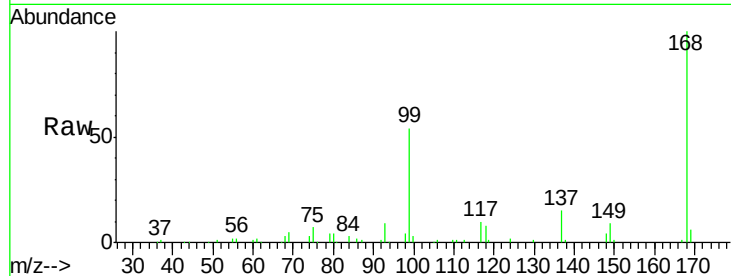




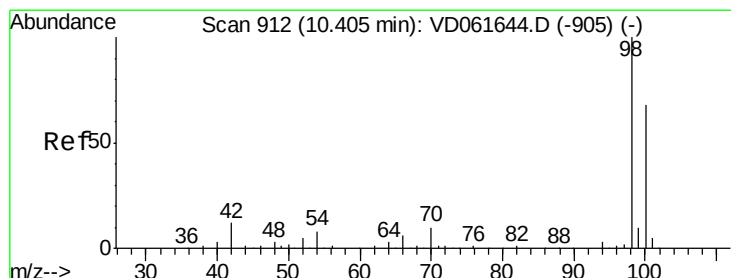
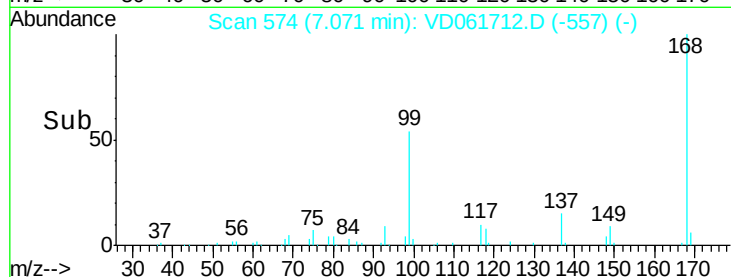
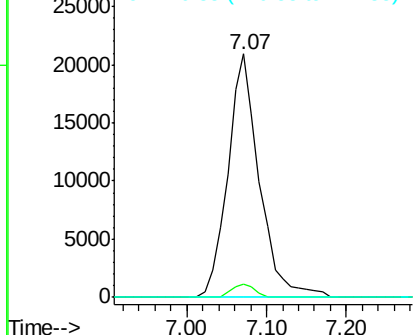
#38
Carbon Tetrachloride
Concen: 6.255 ug/l
RT: 7.07 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD061712.D
Acq: 10 Apr 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 57489
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.7 37.1#

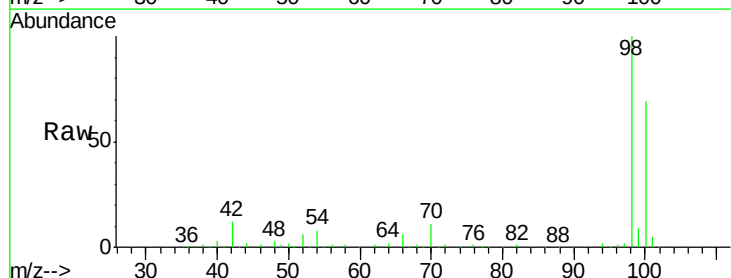


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

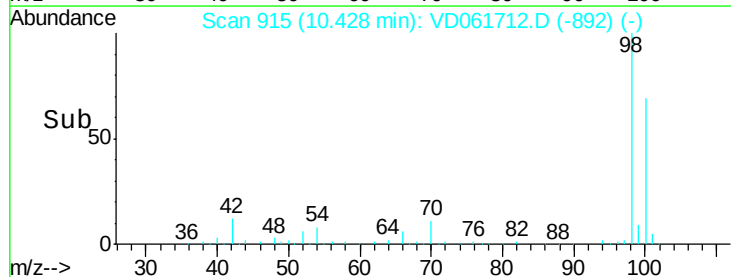
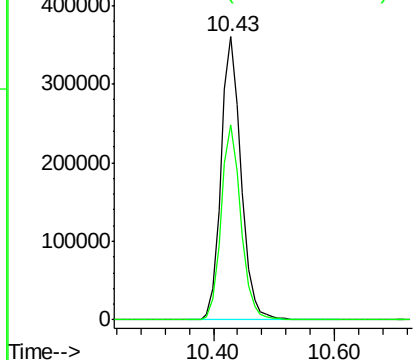


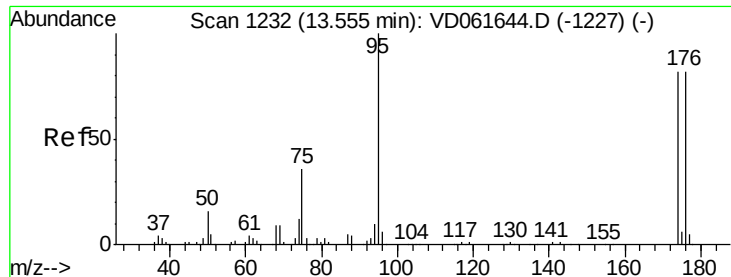
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061712.D
Acq: 10 Apr 2019 14:50

Tgt Ion: 98 Resp: 825903
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

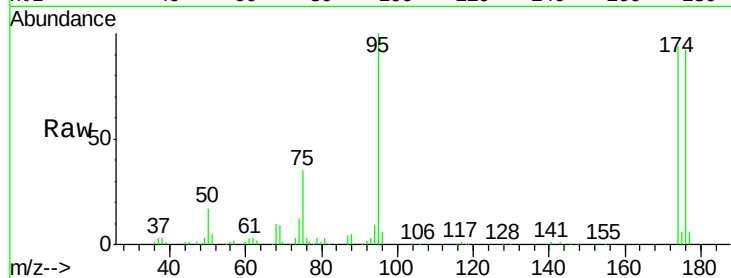
Tot Ion: 95 Resp: 231187

Ion Ratio Lower Upper

95 100

174 93.7 0.0 164.6

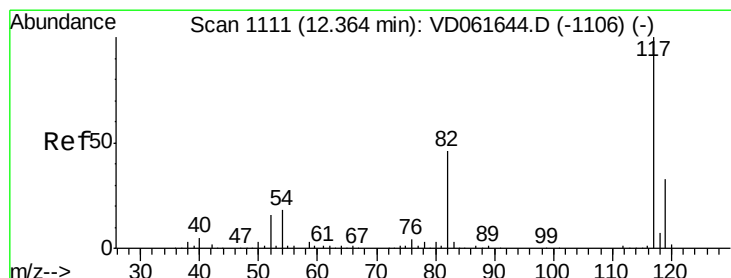
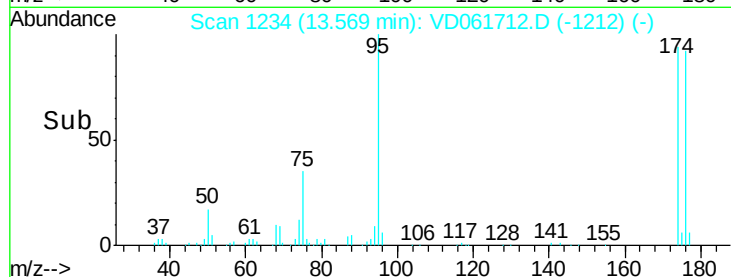
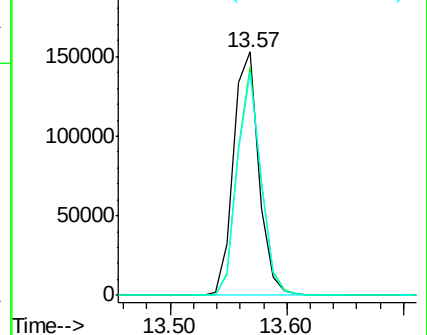
176 91.7 0.0 165.0



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

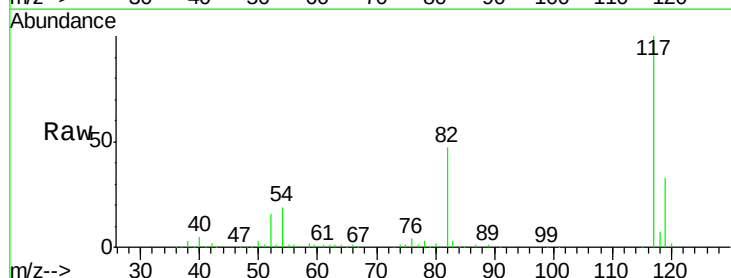
Tgt Ion: 117 Resp: 631780

Ion Ratio Lower Upper

117 100

82 46.8 36.8 55.2

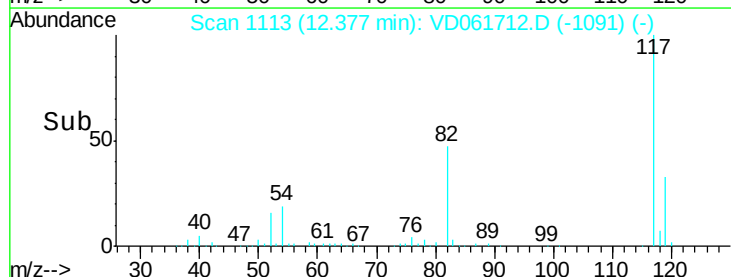
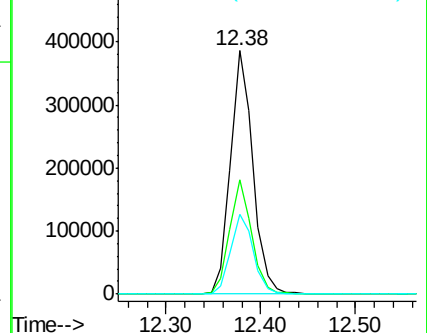
119 32.9 26.1 39.1

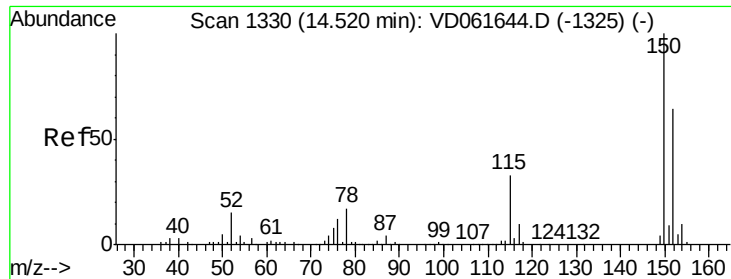


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

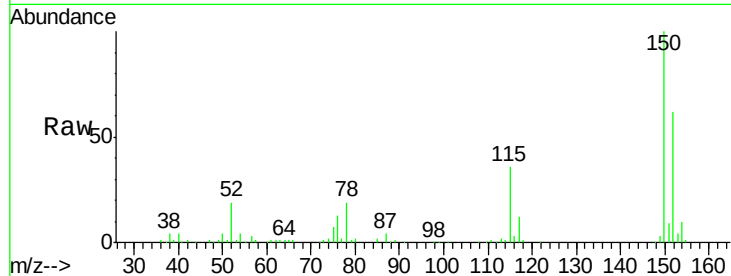
Tot Ion:152 Resp: 177761

Ion Ratio Lower Upper

152 100

115 58.8 26.4 79.2

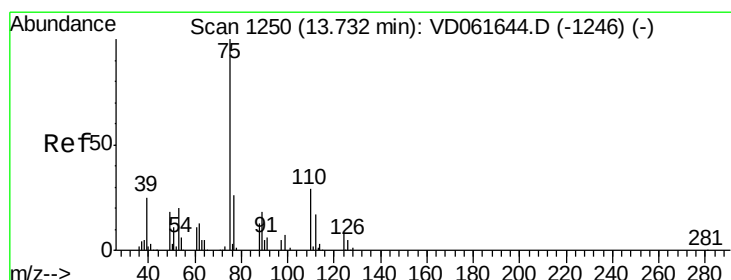
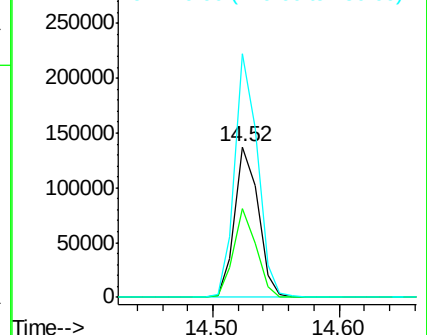
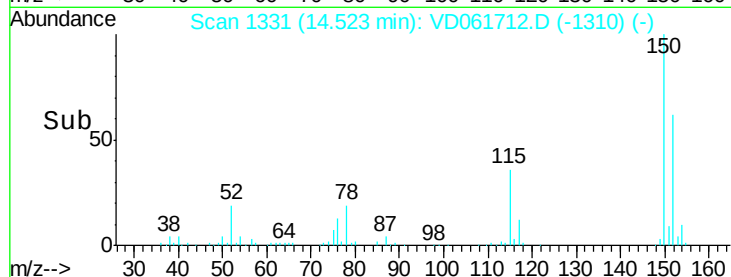
150 162.0 0.0 320.6



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: 31.256 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061712.D

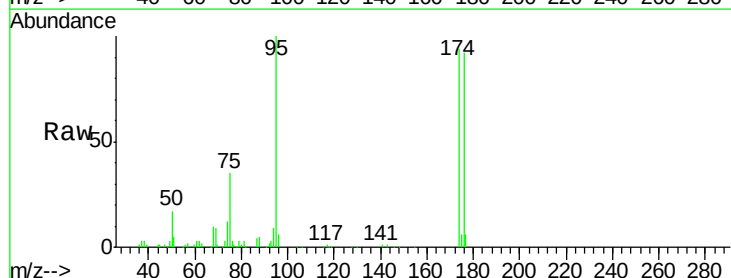
Acq: 10 Apr 2019 14:50

Tgt Ion: 75 Resp: 75590

Ion Ratio Lower Upper

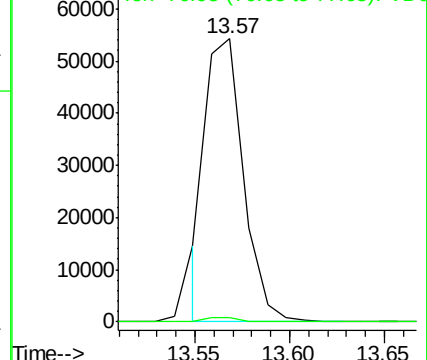
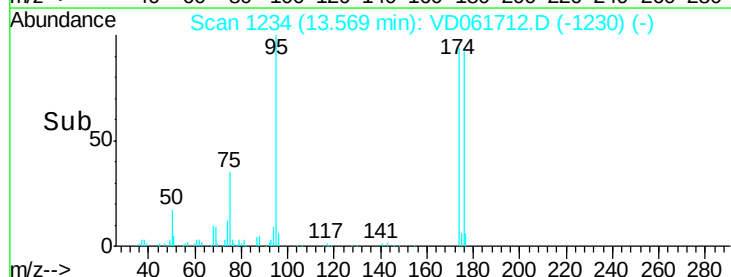
75 100

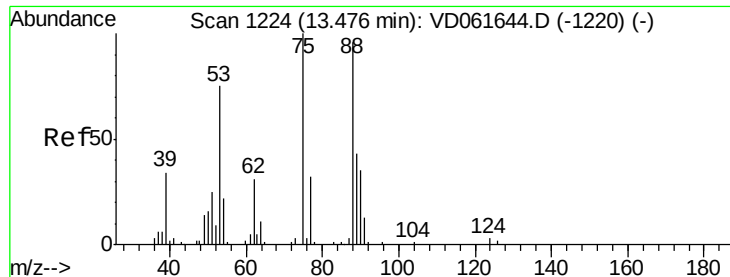
77 1.6 15.7 47.1#



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: 115.615 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

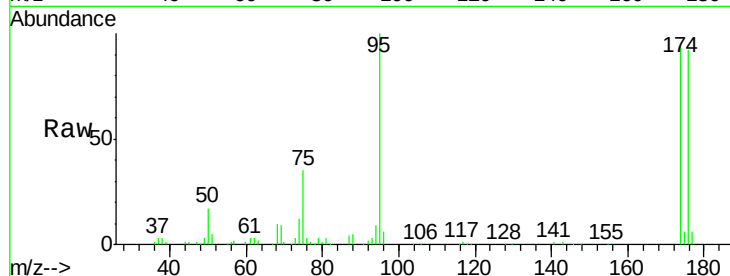
Tot Ion: 75 Resp: 84848

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

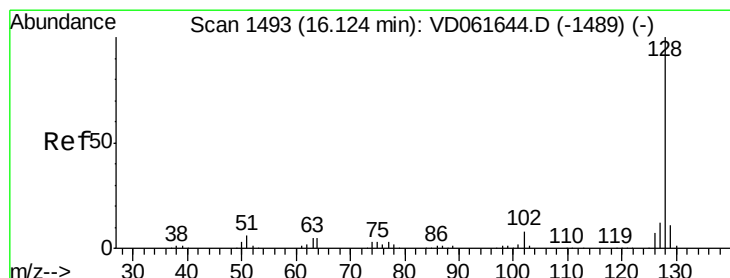
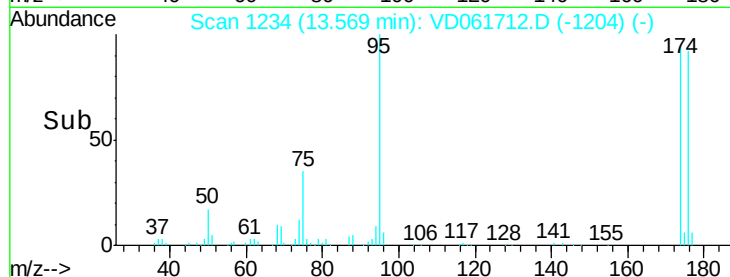
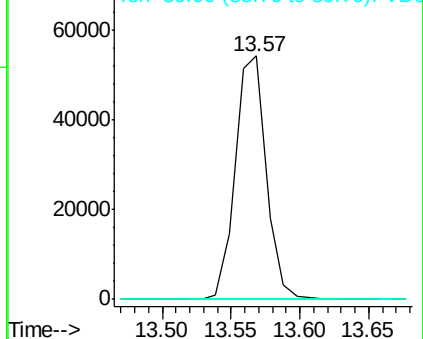
89 0.0 34.2 51.2#



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



#95

Naphthalene

Concen: 1.028 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD061712.D

Acq: 10 Apr 2019 14:50

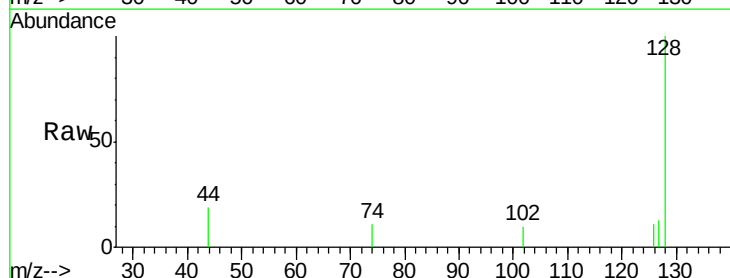
Tgt Ion: 128 Resp: 4043

Ion Ratio Lower Upper

128 100

127 12.8 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

