

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061553.D
 Acq On : 3 Apr 2019 12:00
 Operator : VA/AP
 Sample : K2203-03
 Misc : 5.53g/5ml/MSVOA D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 00:58:41 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

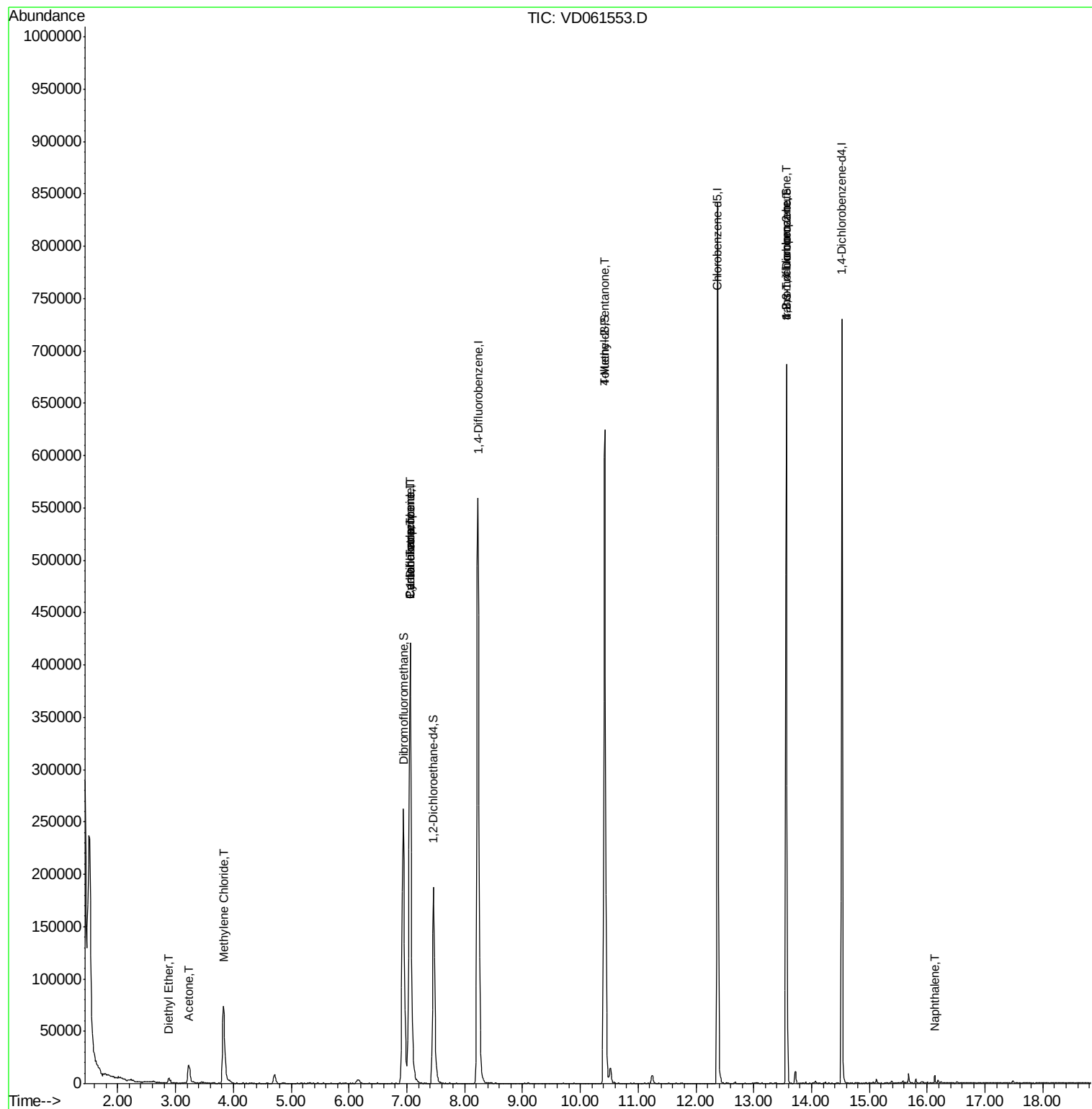
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	408464	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	667144	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	505726	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	189221	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	194439	55.72	ug/l	0.03
Spiked Amount 50.000			Recovery	=	111.44%	
35) Dibromofluoromethane	6.94	113	263236	51.63	ug/l	0.04
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	10.42	98	560887	45.87	ug/l	0.04
Spiked Amount 50.000			Recovery	=	91.74%	
62) 4-Bromofluorobenzene	13.56	95	210131	44.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.62%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.87	74	2286	1.495	ug/l	99
16) Acetone	3.23	43	41203	45.936	ug/l	96
20) Methylene Chloride	3.83	84	56056	9.605	ug/l	98
31) Cyclohexane	7.06	56	7872	1.310	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	32994	5.666	ug/l #	44
38) Carbon Tetrachloride	7.06	117	41308	6.174	ug/l #	14
51) 4-Methyl-2-Pentanone	10.42	43	2248	1.020	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	76627	28.034	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	82930	99.508	ug/l #	18
95) Naphthalene	16.13	128	6566	1.744	ug/l #	93

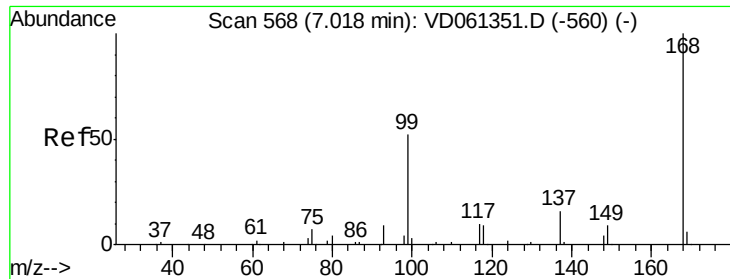
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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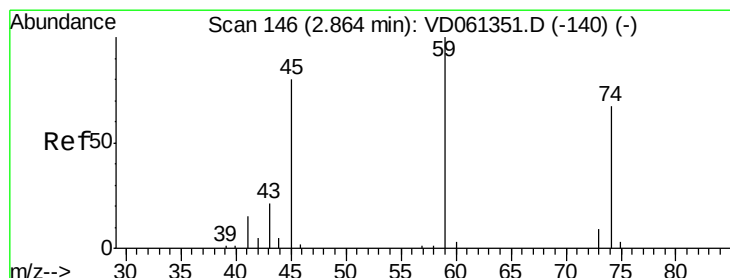
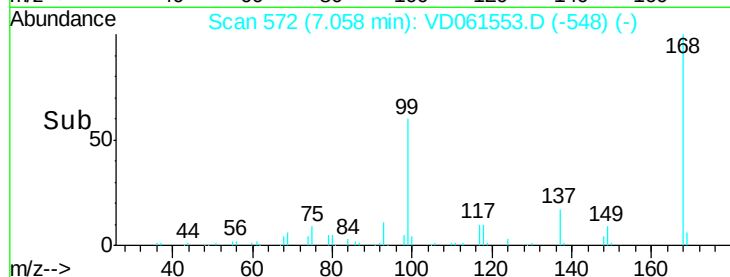
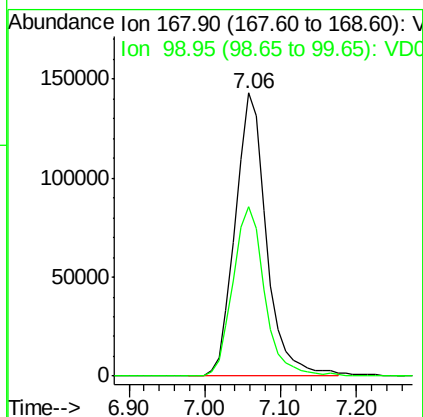
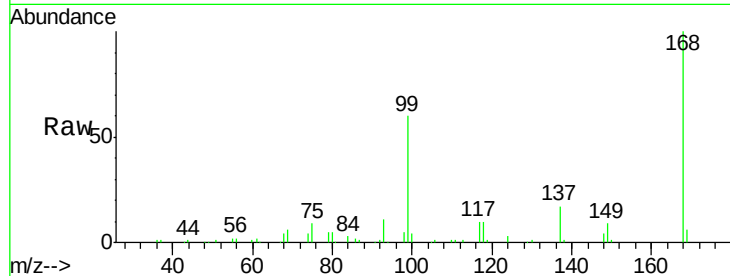




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.04 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

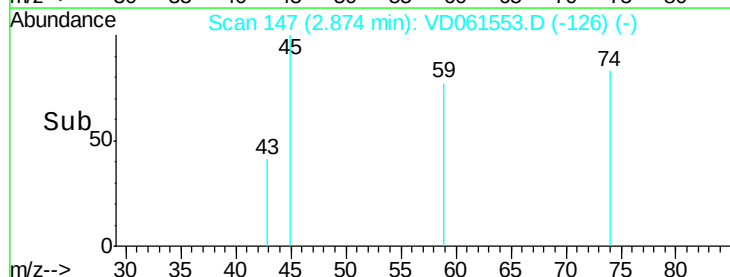
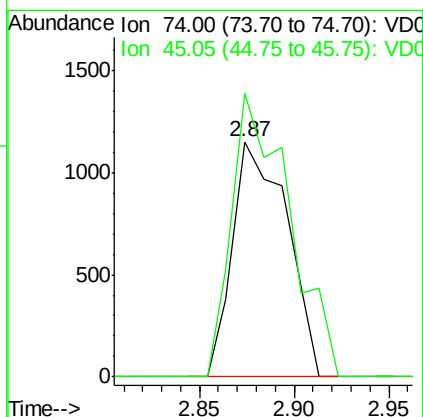
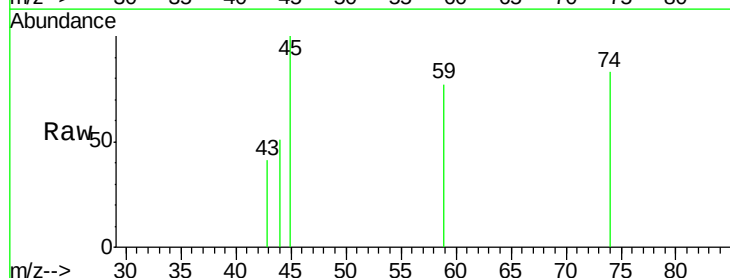
Instrument :
MSVOA_D
ClientSampleId :

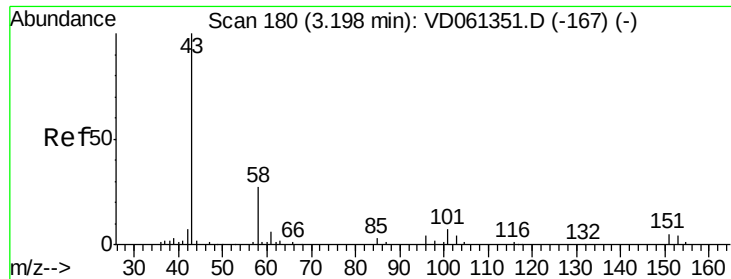
Tot Ion:168 Resp: 408464
Ion Ratio Lower Upper
168 100
99 59.8 43.1 64.7



#8
Diethyl Ether
Concen: 1.495 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Tgt Ion: 74 Resp: 2286
Ion Ratio Lower Upper
74 100
45 120.5 59.7 179.1

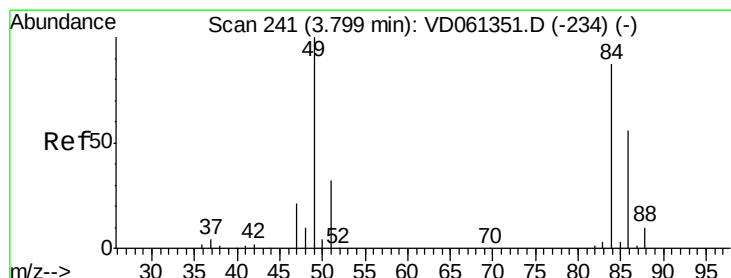
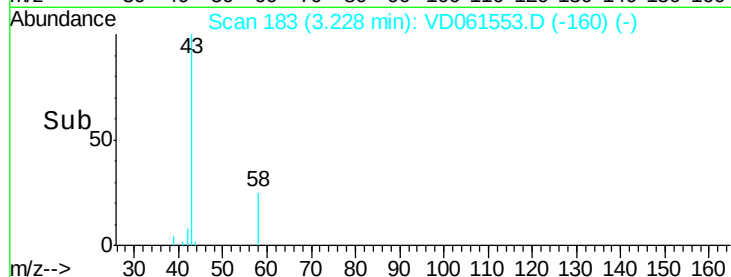
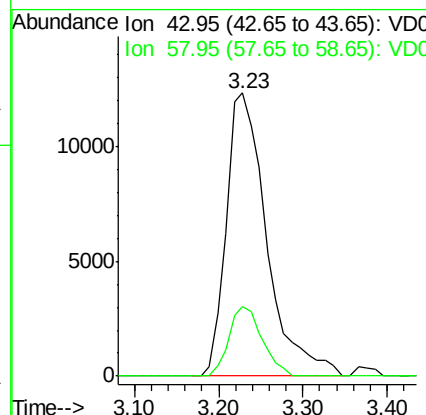
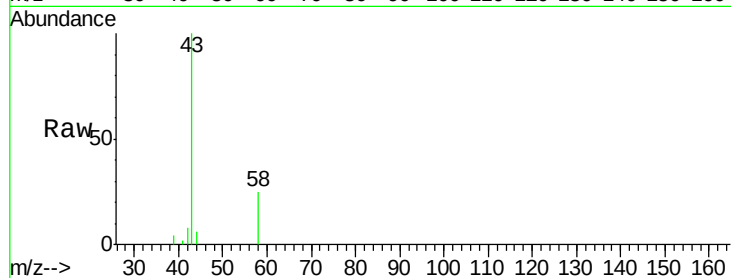




#16
Acetone
Concen: 45.936 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

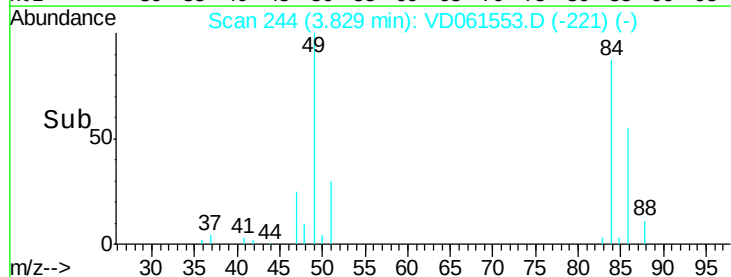
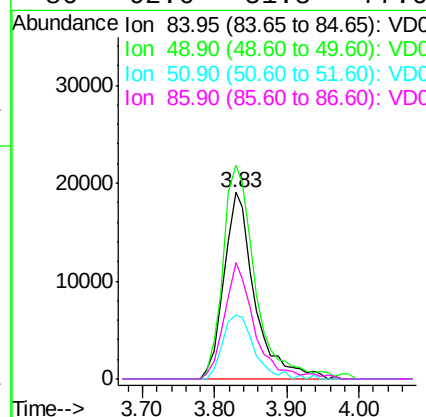
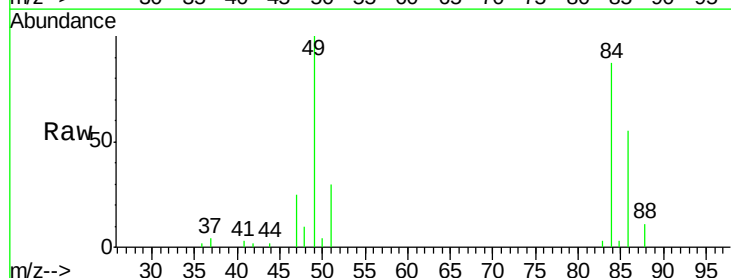
Instrument :
MSVOA_D
ClientSampleId :

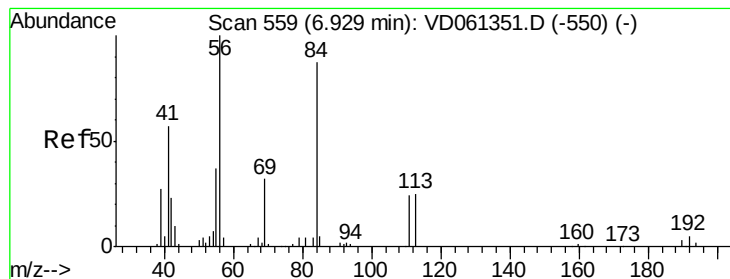
Tot Ion: 43 Resp: 41203
Ion Ratio Lower Upper
43 100
58 24.7 21.5 32.3



#20
Methylene Chloride
Concen: 9.605 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Tgt Ion: 84 Resp: 56056
Ion Ratio Lower Upper
84 100
49 114.6 91.8 137.8
51 34.2 29.8 44.8
86 62.6 51.8 77.6





#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.13 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :

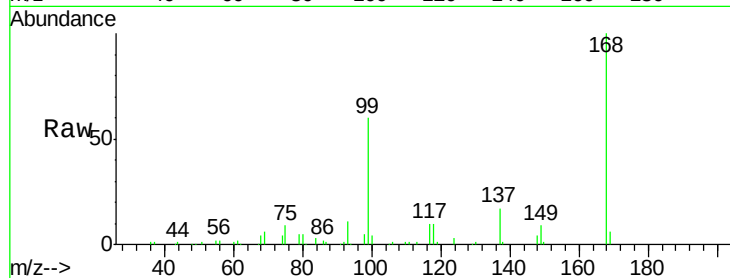
Tot Ion: 56 Resp: 7872

Ion Ratio Lower Upper

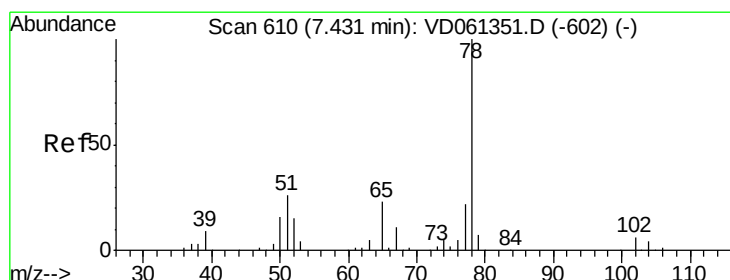
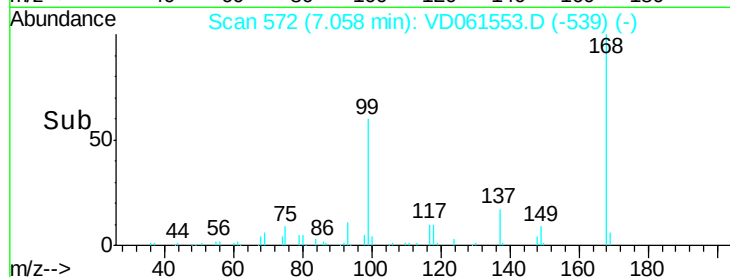
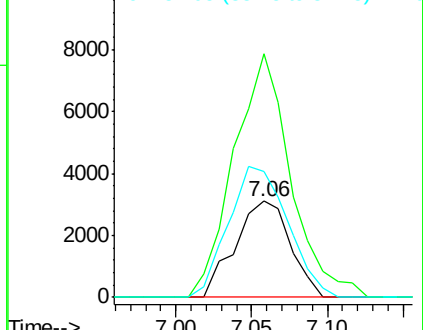
56 100

69 253.1 25.7 38.5#

84 130.6 70.6 105.8#



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# 613

Delta R.T. 0.03 min

Lab File: VD061553.D

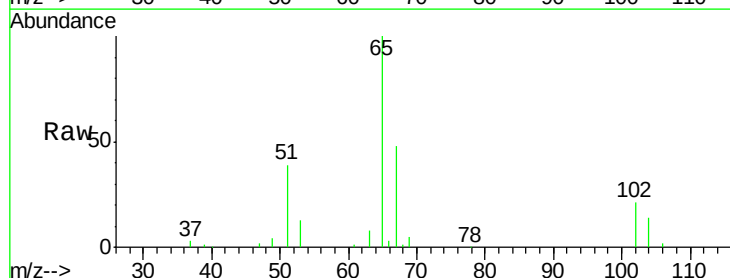
Acq: 3 Apr 2019 12:00

Tgt Ion: 65 Resp: 194439

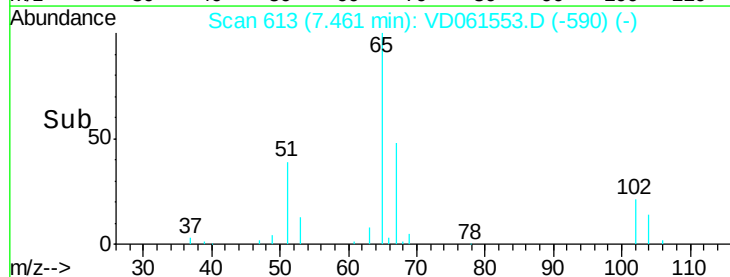
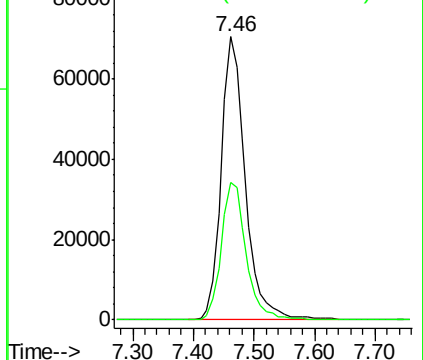
Ion Ratio Lower Upper

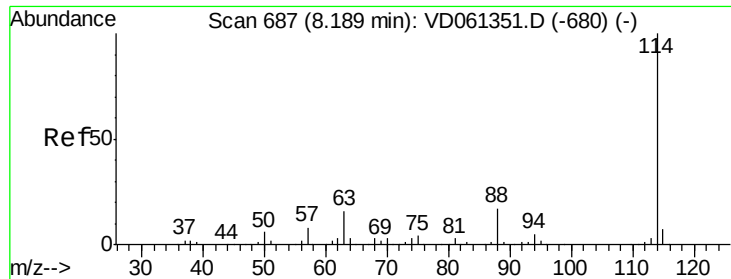
65 100

67 48.5 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: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

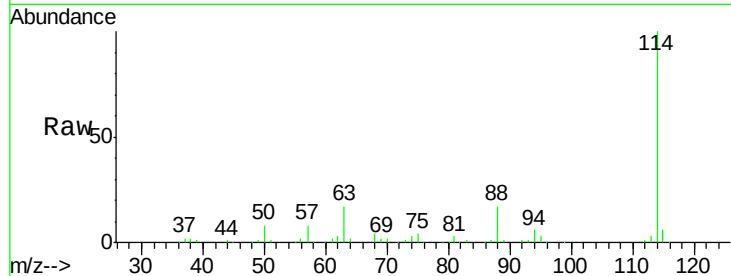
Tot Ion:114 Resp: 667144

Ion Ratio Lower Upper

114 100

63 17.2 0.0 31.6

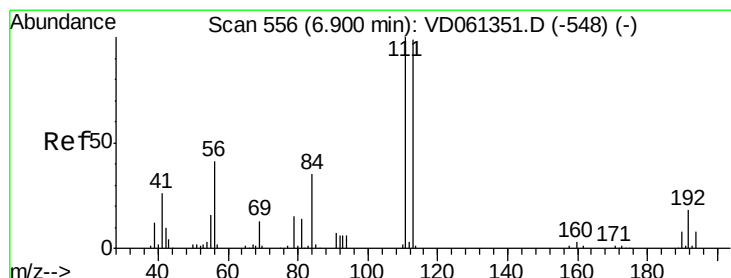
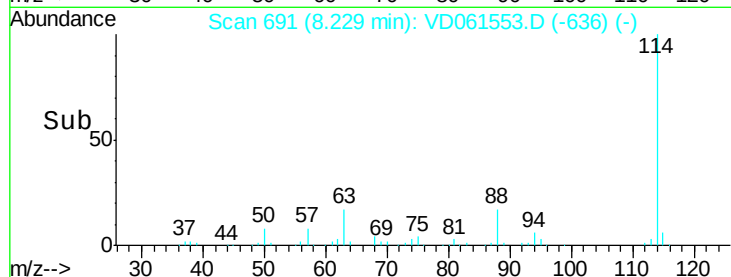
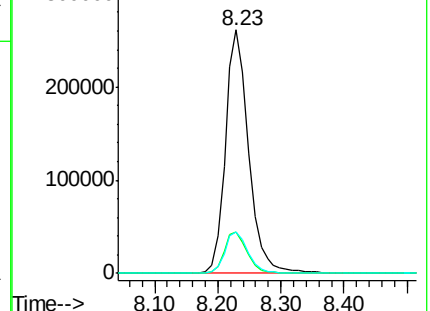
88 16.9 0.0 33.4



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: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

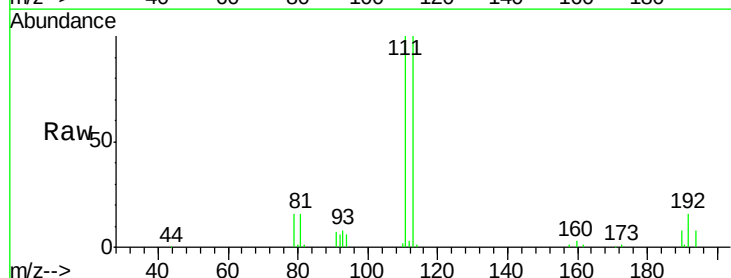
Tgt Ion:113 Resp: 263236

Ion Ratio Lower Upper

113 100

111 100.4 81.0 121.6

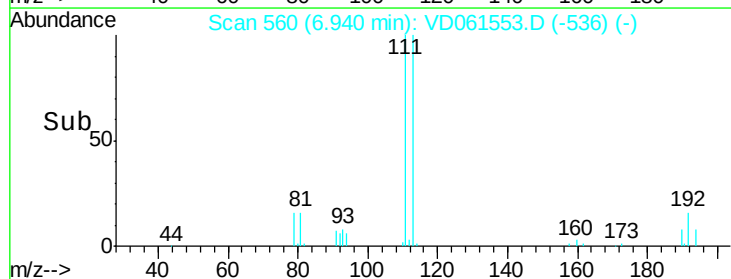
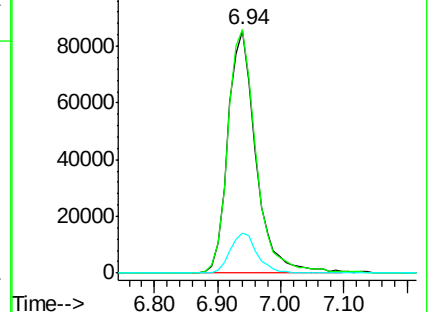
192 16.5 14.4 21.6

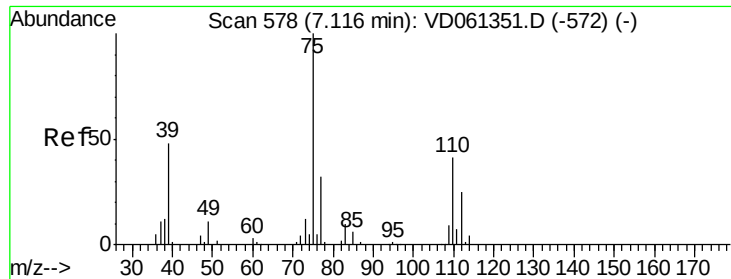


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

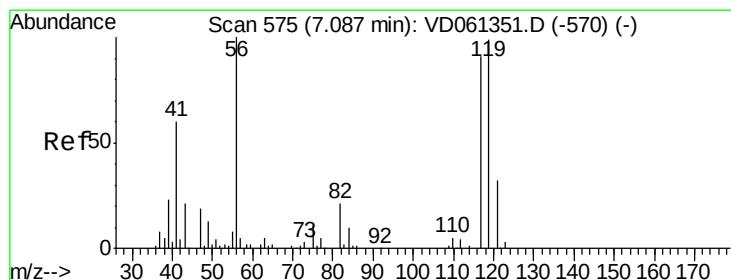
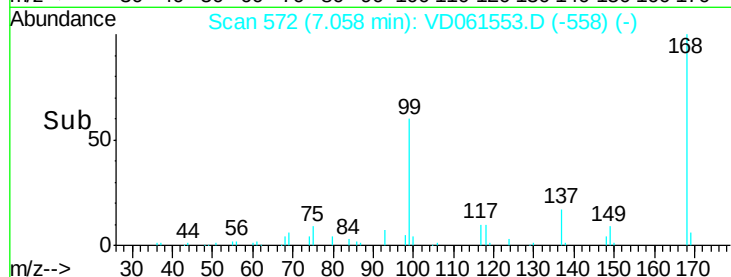
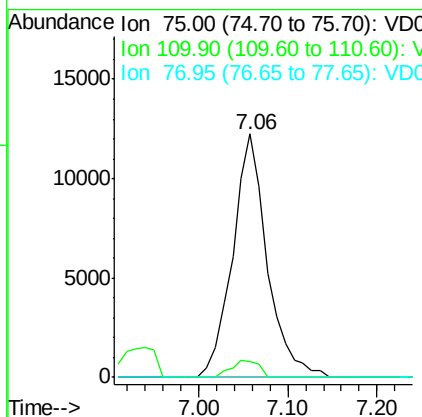
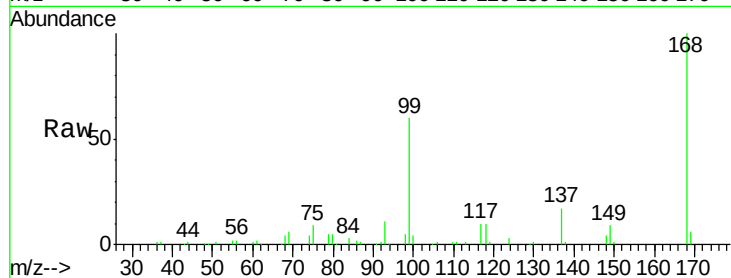




#36
 1,1-Dichloropropene
 Concen: 5.666 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061553.D
 Acq: 3 Apr 2019 12:00

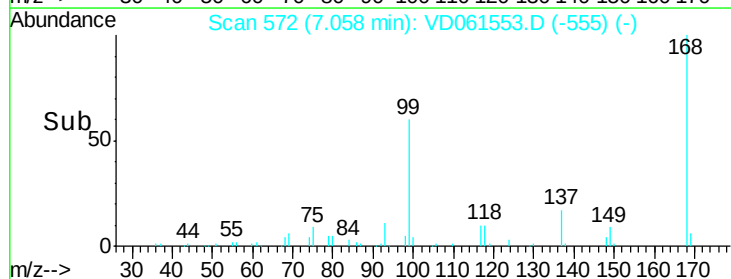
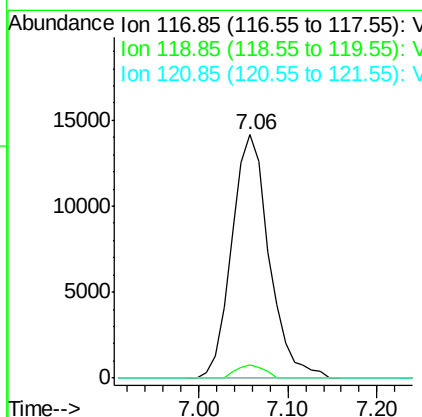
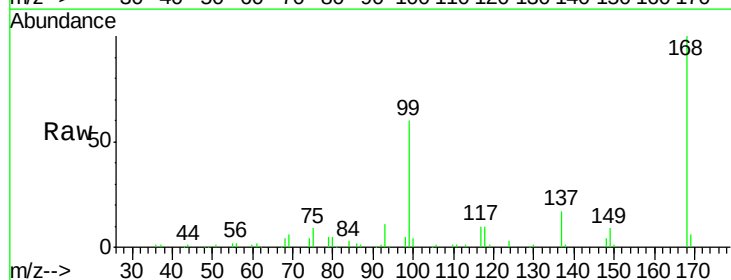
Instrument :
 MSVOA_D
 ClientSampleId :

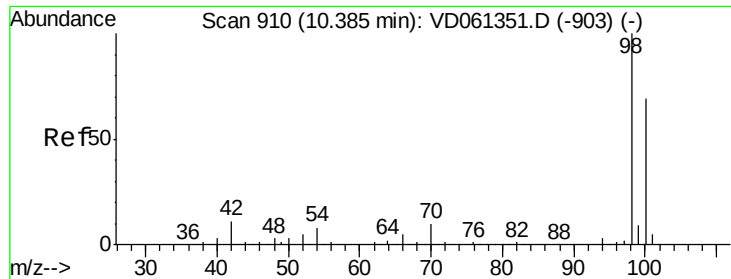
Tot Ion: 75 Resp: 32994
 Ion Ratio Lower Upper
 75 100
 110 6.7 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.174 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.03 min
 Lab File: VD061553.D
 Acq: 3 Apr 2019 12:00

Tgt Ion: 117 Resp: 41308
 Ion Ratio Lower Upper
 117 100
 119 5.5 80.1 120.1#
 121 0.0 25.6 38.4#

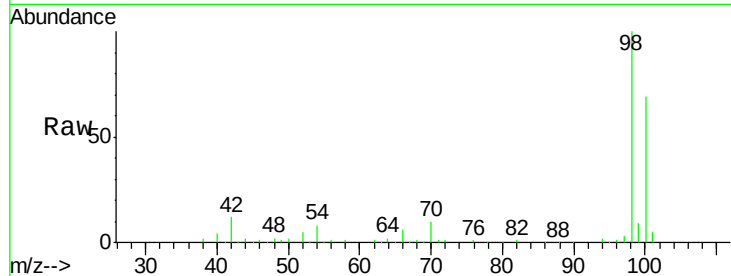




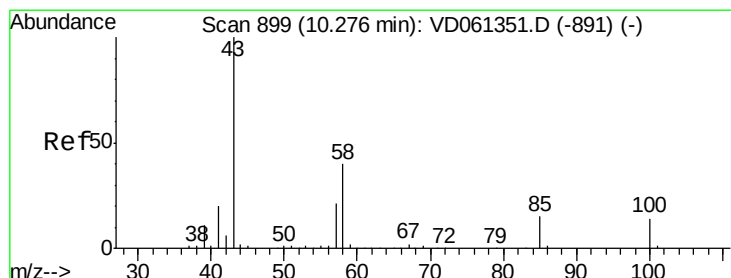
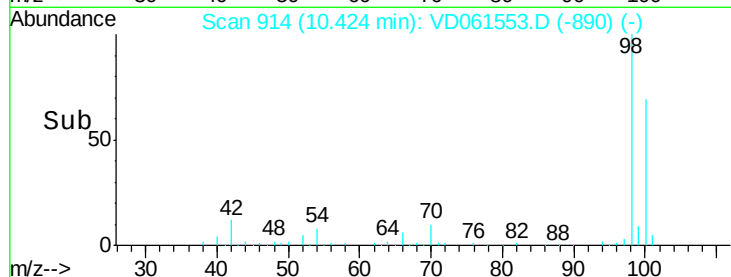
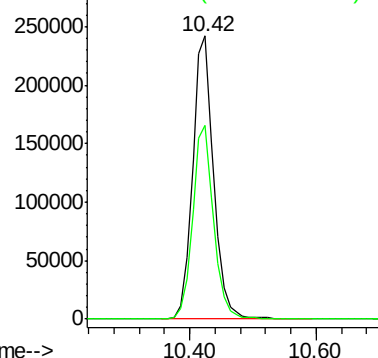
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 560887
Ion Ratio Lower Upper
98 100
100 68.5 56.2 84.2

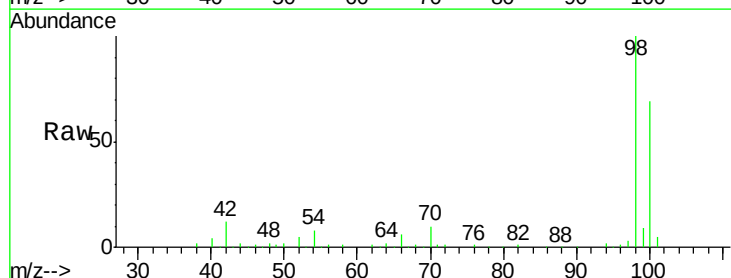


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

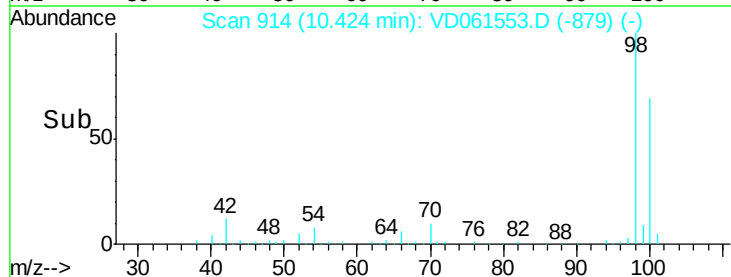
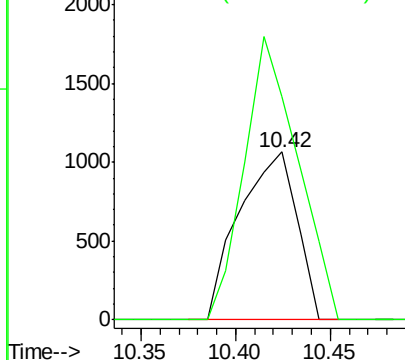


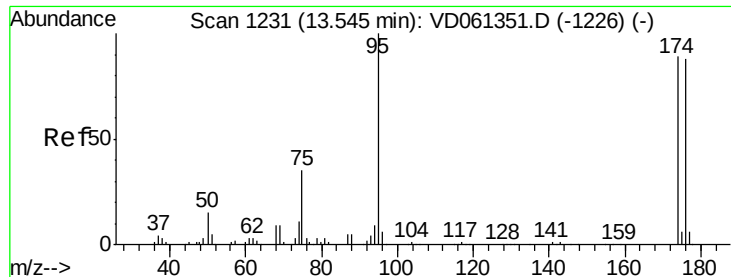
#51
4-Methyl-2-Pentanone
Concen: 1.020 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.15 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Tgt Ion: 43 Resp: 2248
Ion Ratio Lower Upper
43 100
58 132.5 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0

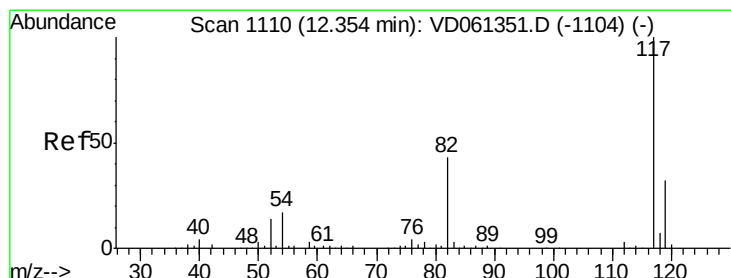
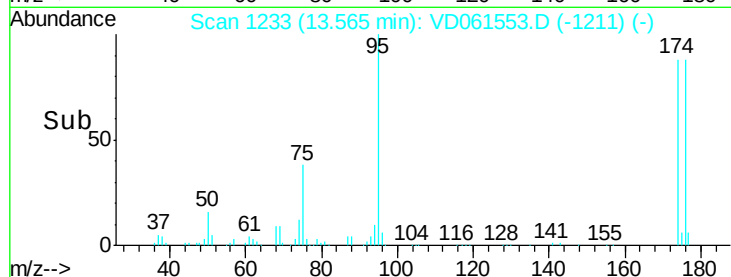
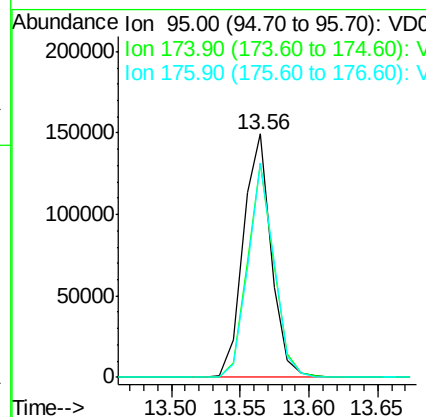
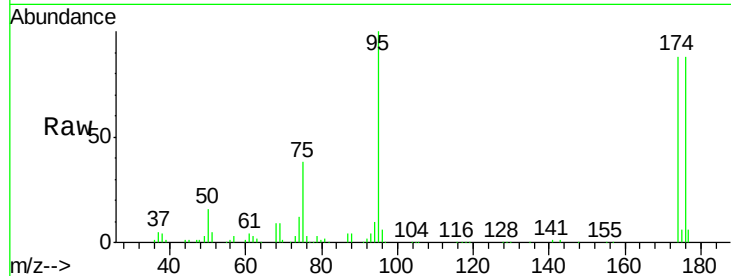




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

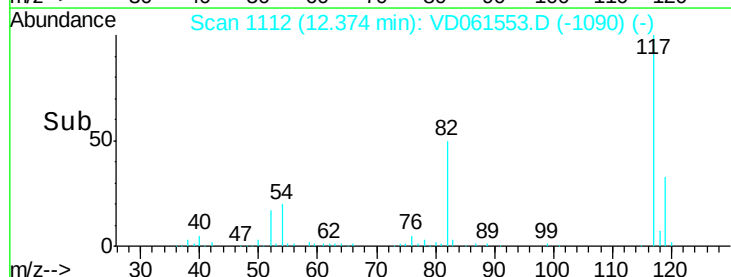
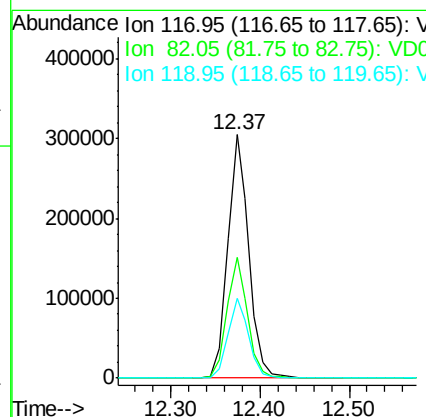
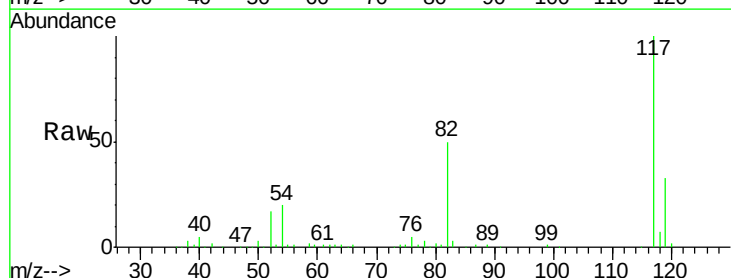
Instrument :
MSVOA_D
ClientSampleId :

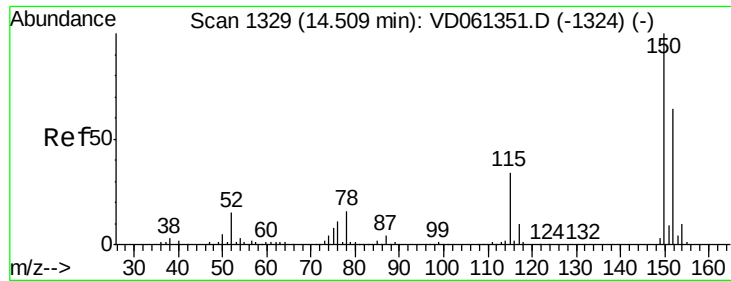
Tot Ion: 95 Resp: 210131
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.0
176 88.2 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Tgt Ion: 117 Resp: 505726
Ion Ratio Lower Upper
117 100
82 49.5 34.4 51.6
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampled :

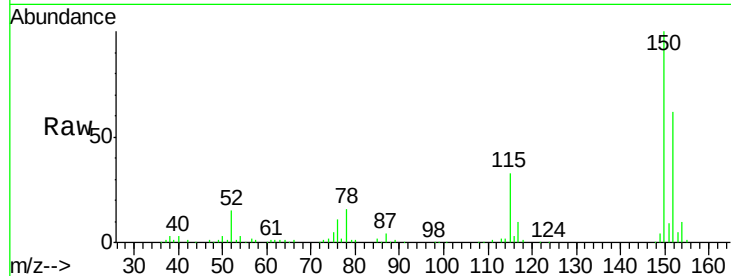
Tot Ion:152 Resp: 189221

Ion Ratio Lower Upper

152 100

115 53.5 26.9 80.6

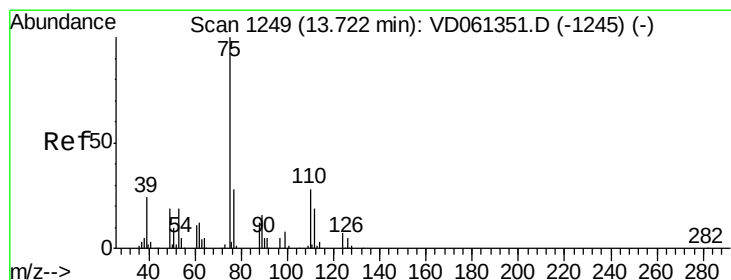
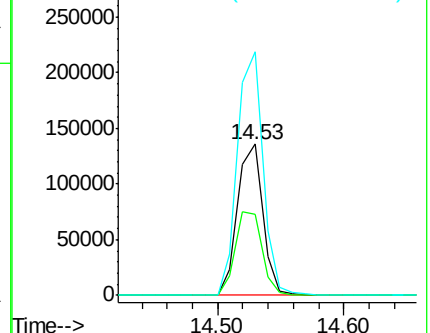
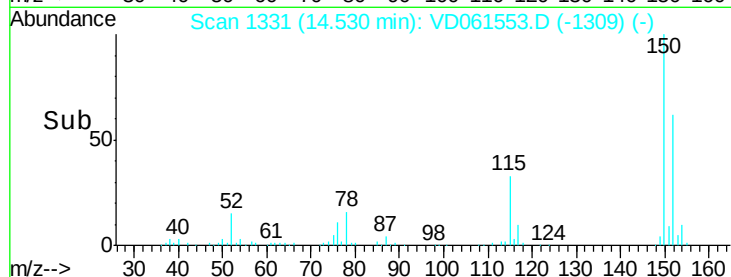
150 161.1 0.0 318.0



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



#76

1,2,3-Trichloropropane

Concen: 28.034 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061553.D

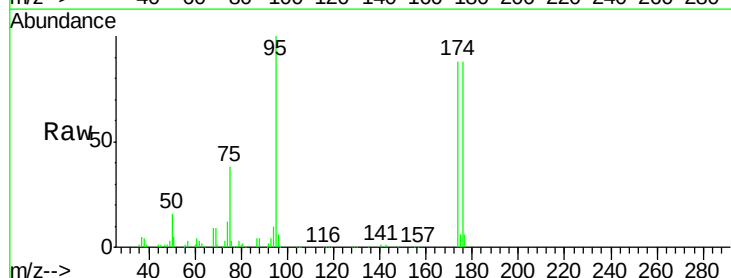
Acq: 3 Apr 2019 12:00

Tgt Ion: 75 Resp: 76627

Ion Ratio Lower Upper

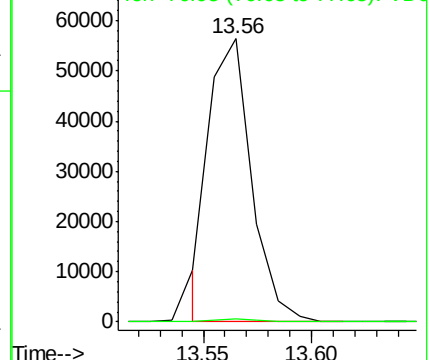
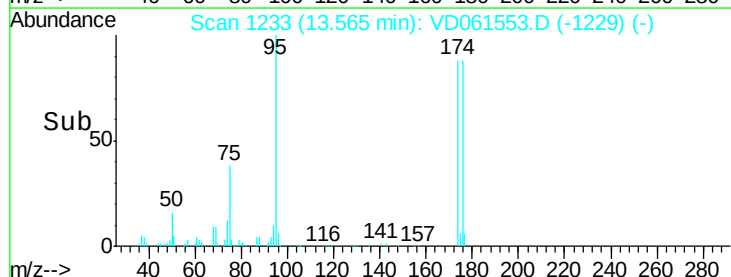
75 100

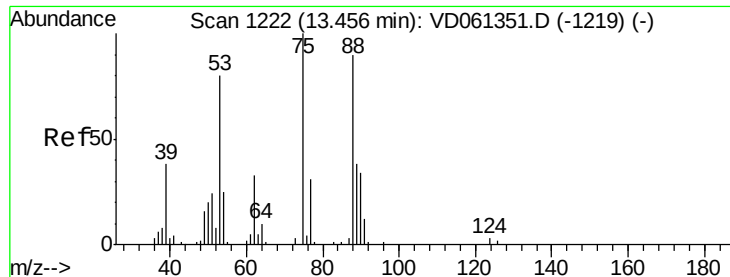
77 0.9 16.2 48.5#



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: 99.508 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

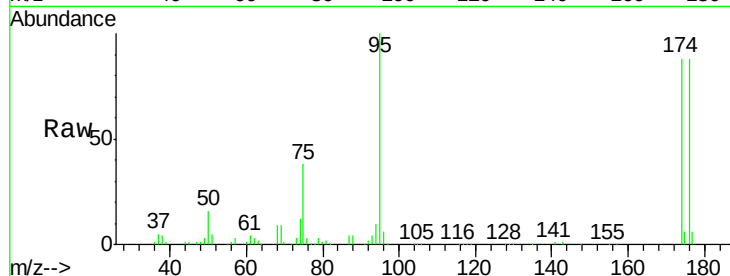
Tot Ion: 75 Resp: 82930

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

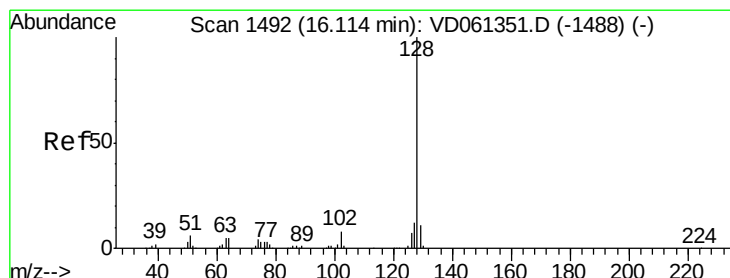
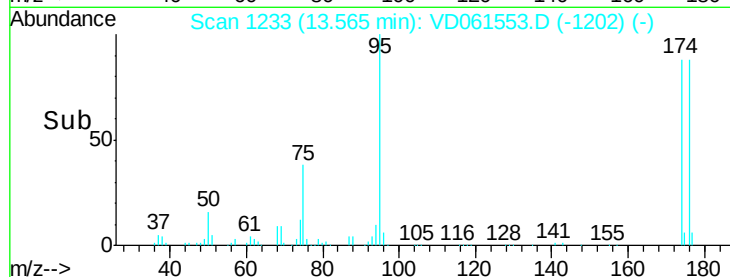
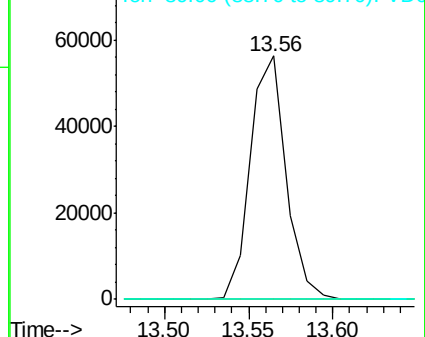
89 0.0 30.5 45.7#



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: 1.744 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

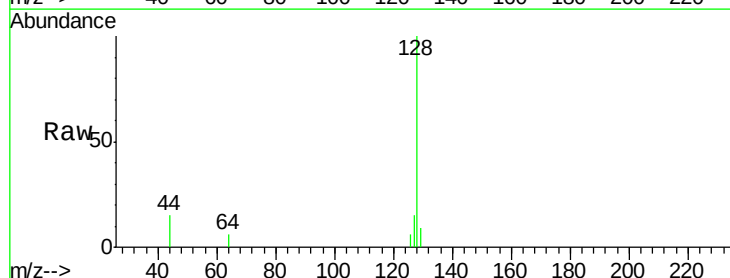
Tgt Ion: 128 Resp: 6566

Ion Ratio Lower Upper

128 100

127 15.5 9.9 14.9#

129 8.8 8.9 13.3#



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

