

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059655.D
 Acq On : 31 Jul 2018 15:54
 Operator : VA/AP
 Sample : J4210-01RE
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 06:41:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	131900	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.67	114	168878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	124414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	54463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	99113	59.77	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	119.54%	
35) Dibromofluoromethane	5.52	113	85081	58.73	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	117.46%	
50) Toluene-d8	8.69	98	158145	48.12	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.92	95	66946	45.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.46%	

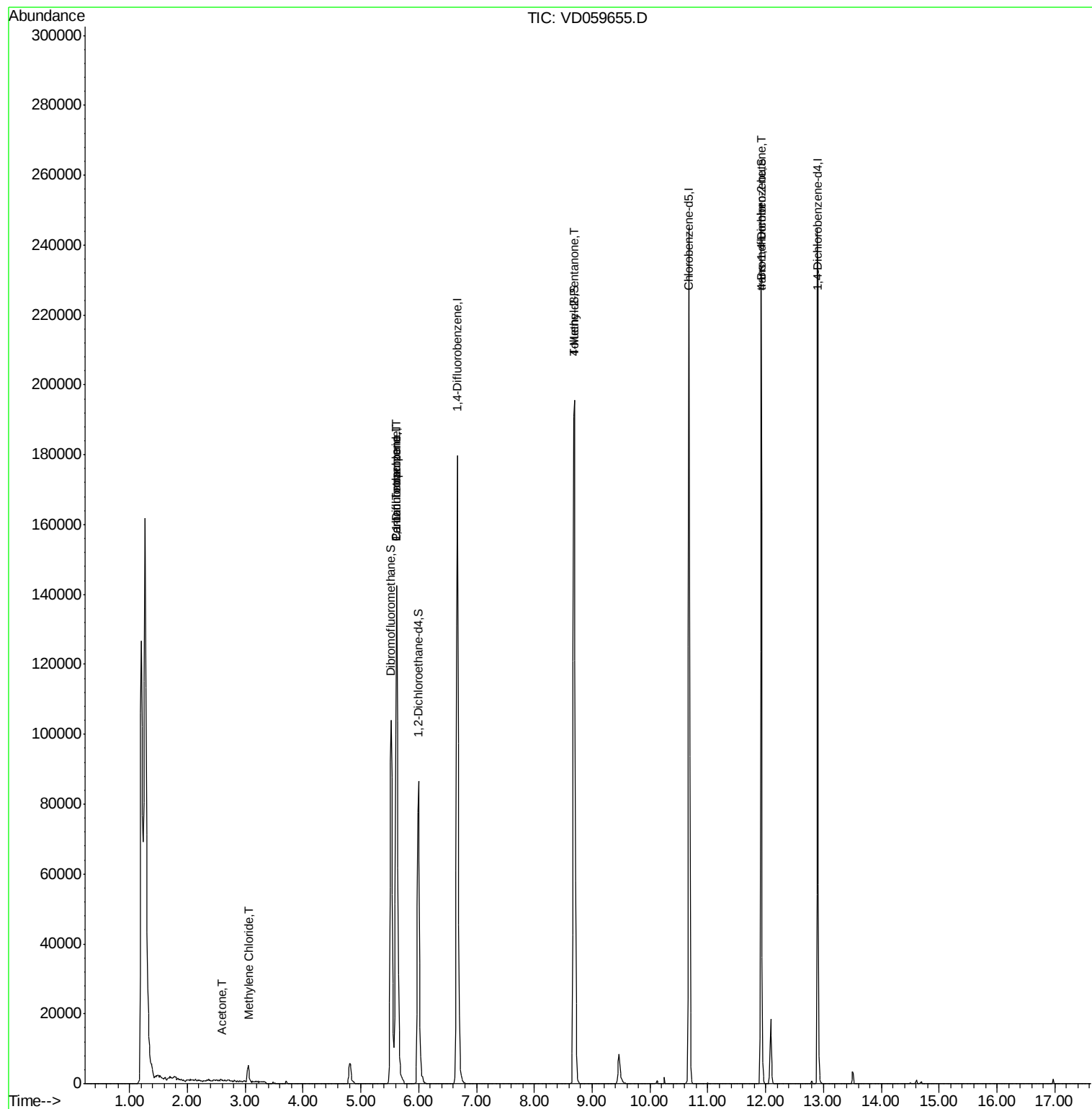
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	643	2.568	ug/l #	61
20) Methylene Chloride	3.06	84	2205	3.088	ug/l	92
31) Cyclohexane	5.61	56	3121	Below Cal	#	1
36) 1,1-Dichloropropene	5.61	75	11972	7.065	ug/l #	51
38) Carbon Tetrachloride	5.62	117	14147	6.097	ug/l #	14
51) 4-Methyl-2-Pentanone	8.68	43	1024	1.269	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	37189	161.501	ug/l #	1

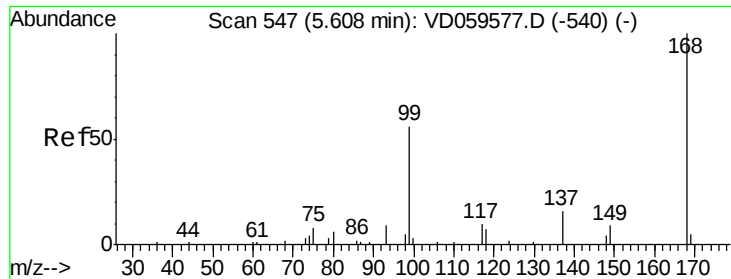
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073118\
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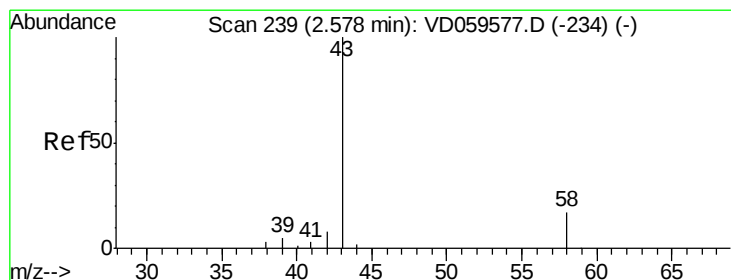
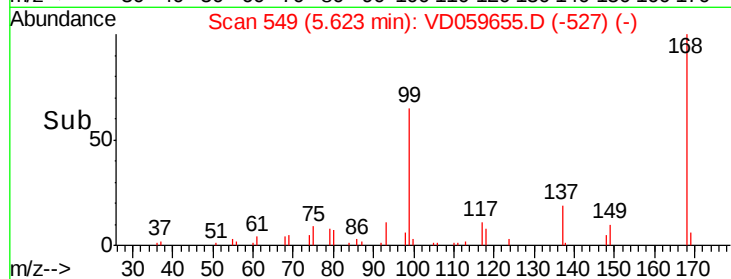
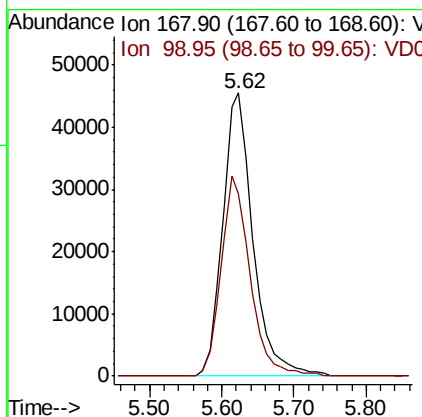
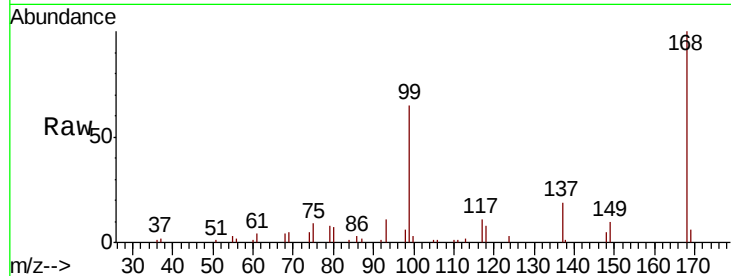




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

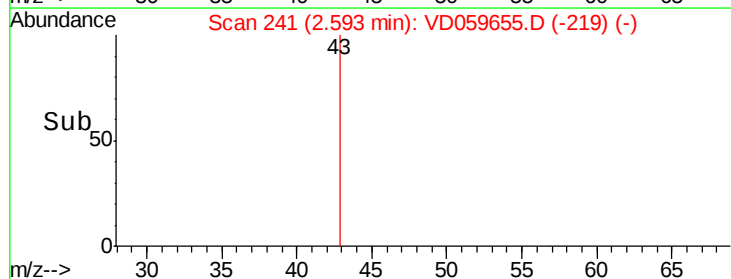
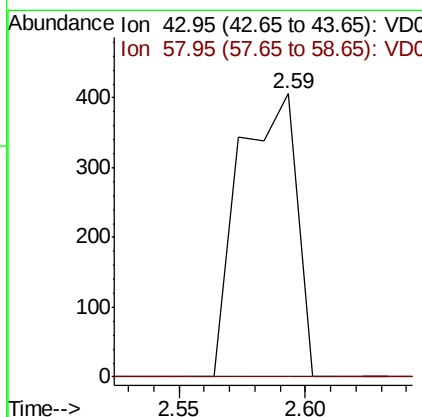
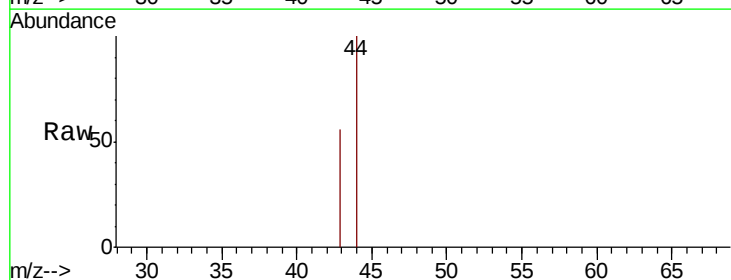
Instrument :
MSVOA_D
ClientSampled :

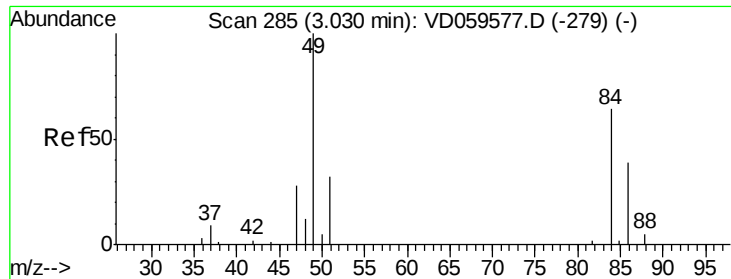
Tot Ion:168 Resp: 131900
Ion Ratio Lower Upper
168 100
99 64.6 47.3 70.9



#16
Acetone
Concen: 2.568 ug/l
RT: 2.59 min Scan# 241
Delta R.T. 0.02 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
58 0.0 13.4 20.0#

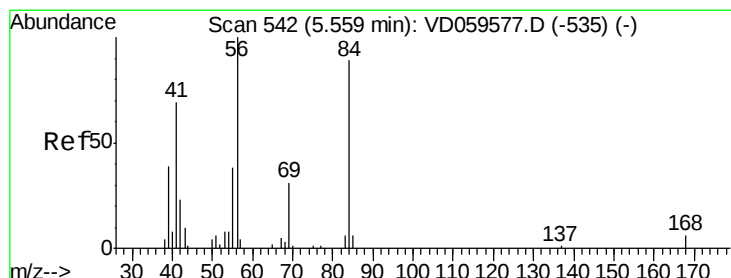
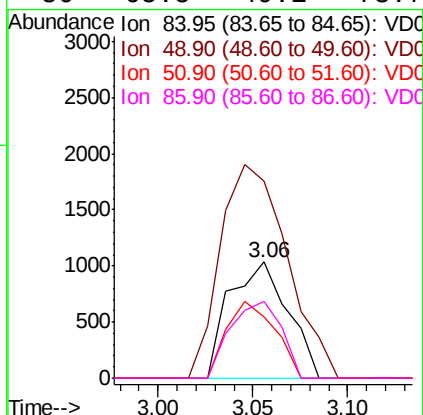
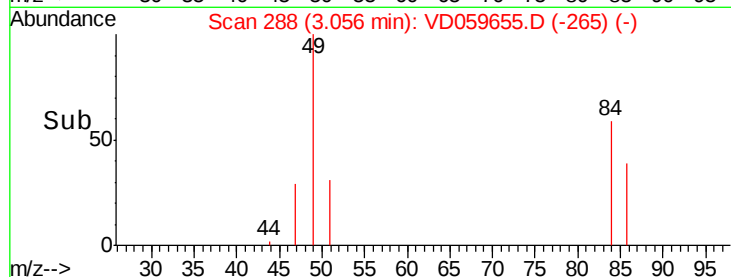
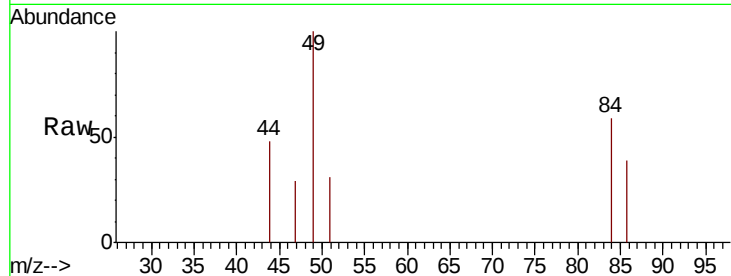




#20
Methvlene Chloride
Concen: 3.088 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

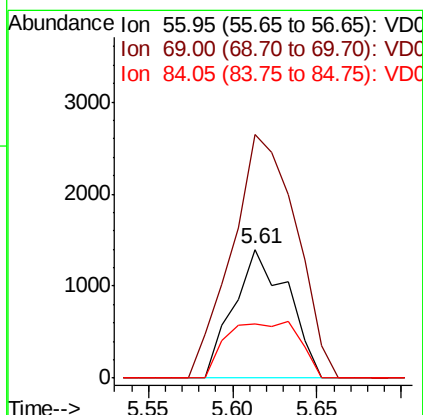
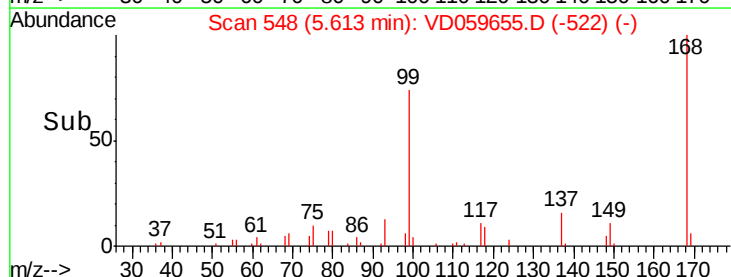
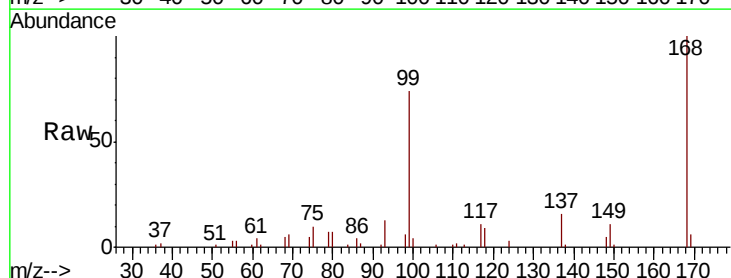
Instrument :
MSVOA_D
ClientSampled :

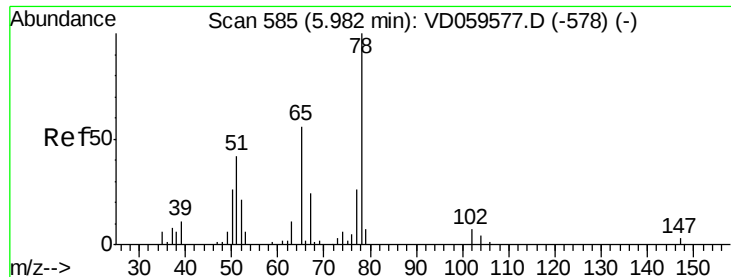
Tot Ion: 84 Resp: 2205
Ion Ratio Lower Upper
84 100
49 169.7 125.4 188.2
51 52.6 39.7 59.5
86 65.5 49.1 73.7



#31
Cyclohexane
Concen: Below Cal
RT: 5.61 min Scan# 548
Delta R.T. 0.06 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

Tgt Ion: 56 Resp: 3121
Ion Ratio Lower Upper
56 100
69 188.8 24.6 37.0#
84 41.7 72.7 109.1#

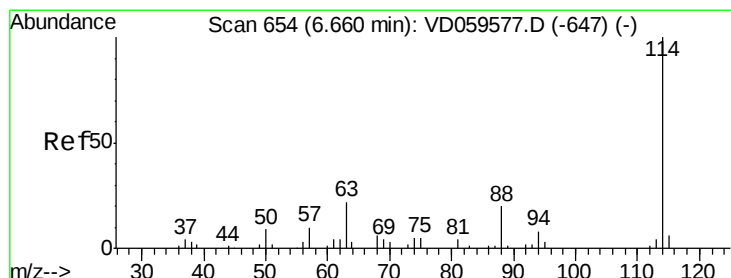
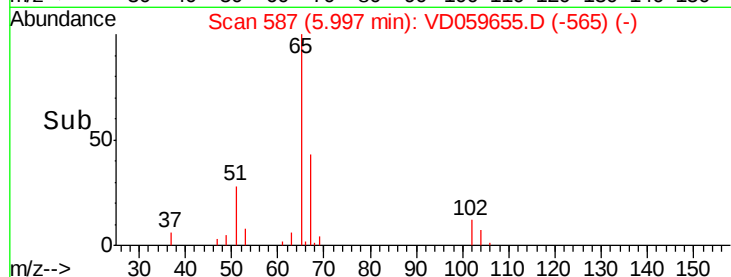
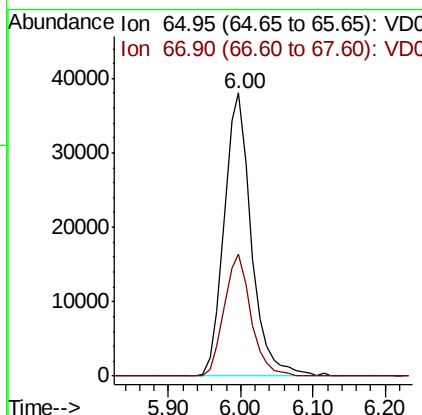
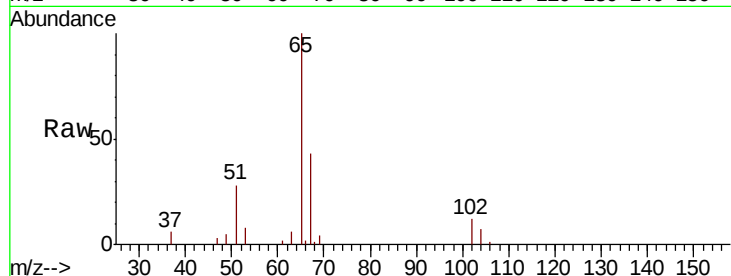




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.02 min
 Lab File: VD059655.D
 Acq: 31 Jul 2018 15:54

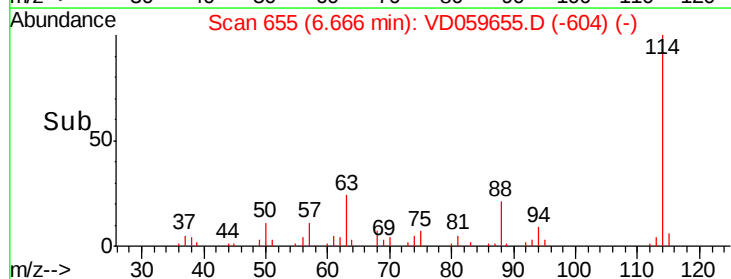
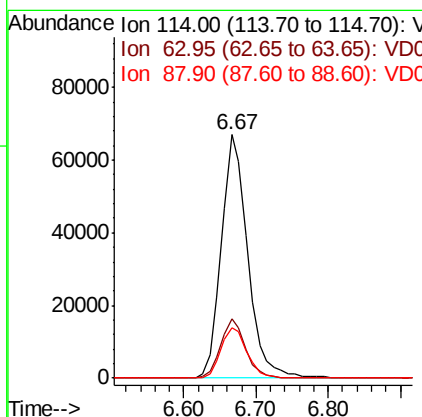
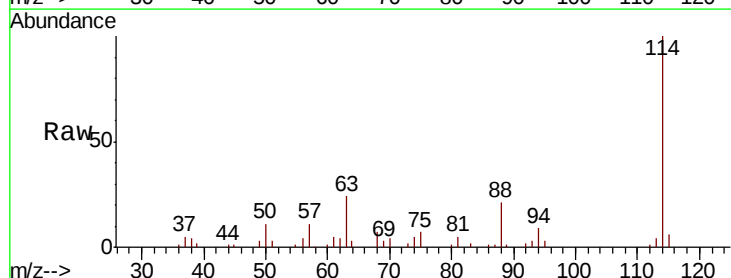
Instrument :
 MSVOA_D
 ClientSampleId :

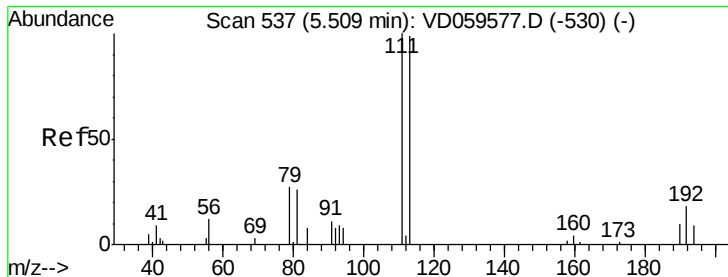
Tot Ion: 65 Resp: 99113
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059655.D
 Acq: 31 Jul 2018 15:54

Tgt Ion: 114 Resp: 168878
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 43.8
 88 20.7 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD059655.D

Acq: 31 Jul 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

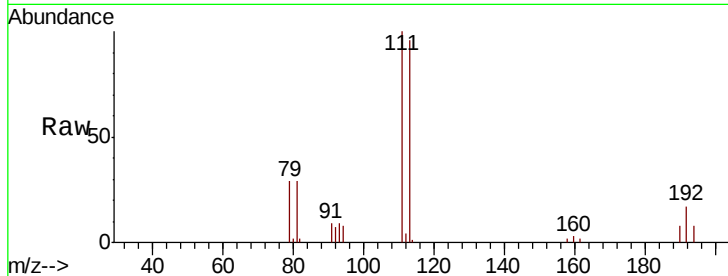
Tot Ion:113 Resp: 85081

Ion Ratio Lower Upper

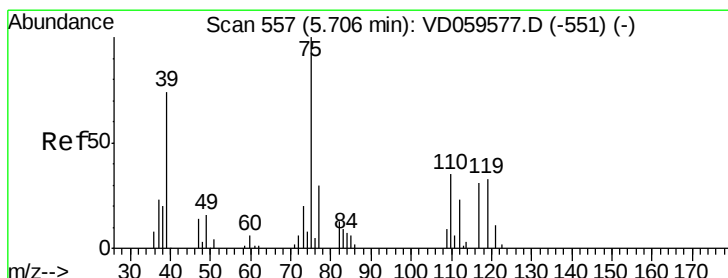
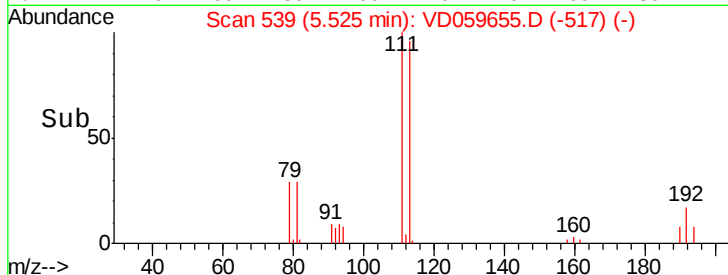
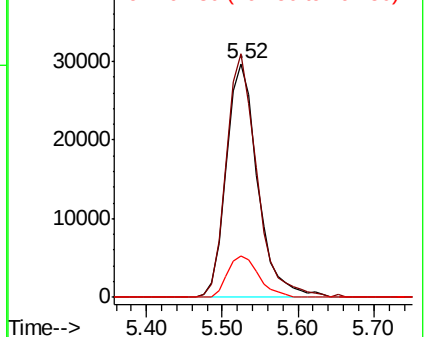
113 100

111 104.3 80.5 120.7

192 17.7 14.5 21.7



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: 7.065 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059655.D

Acq: 31 Jul 2018 15:54

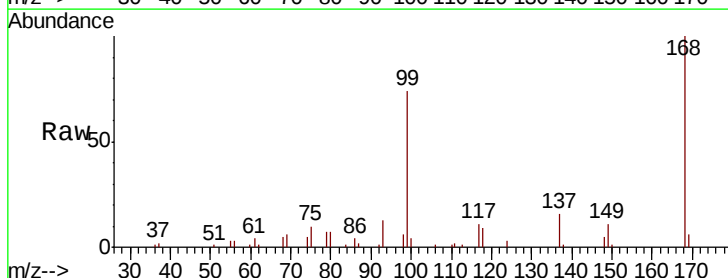
Tgt Ion: 75 Resp: 11972

Ion Ratio Lower Upper

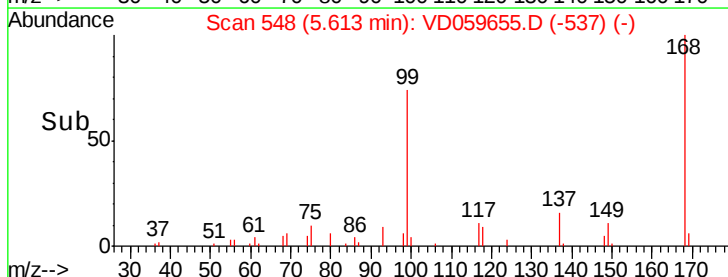
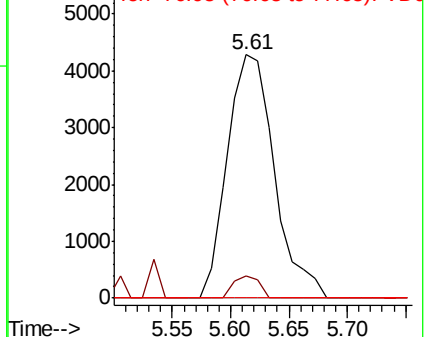
75 100

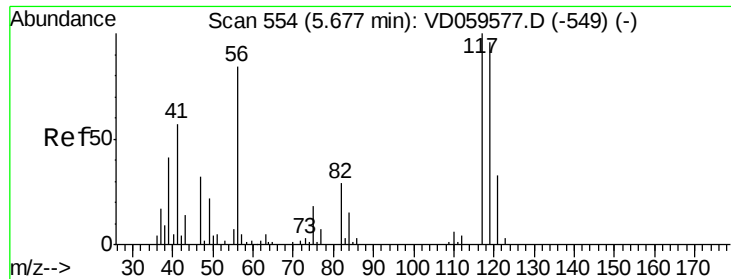
110 8.9 17.0 50.9#

77 0.0 23.6 35.4#



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

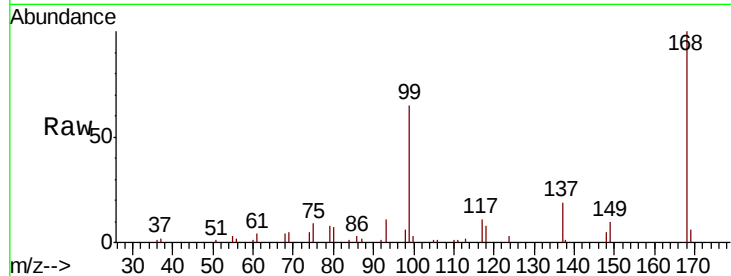




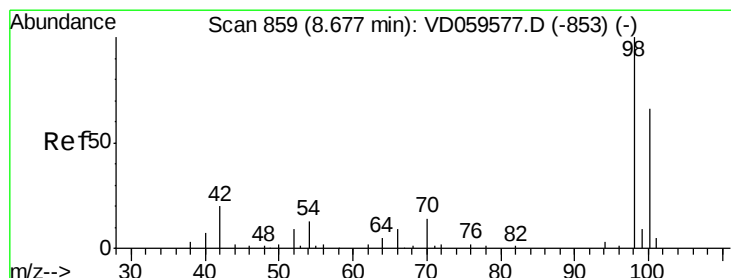
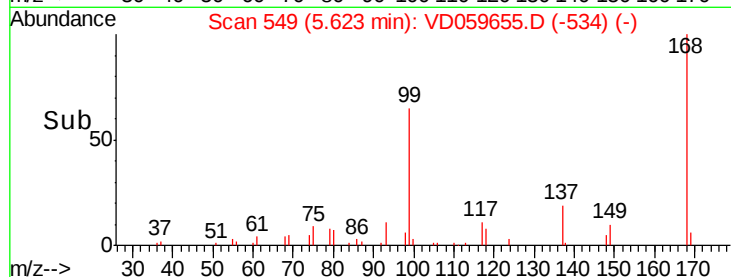
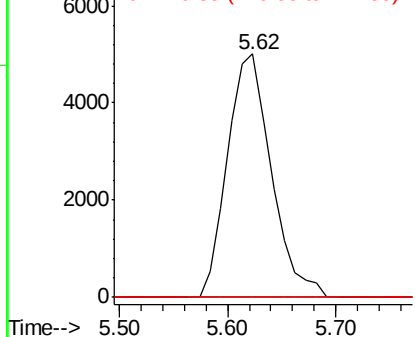
#38
Carbon Tetrachloride
Concen: 6.097 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.05 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 14147
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.0 37.6#

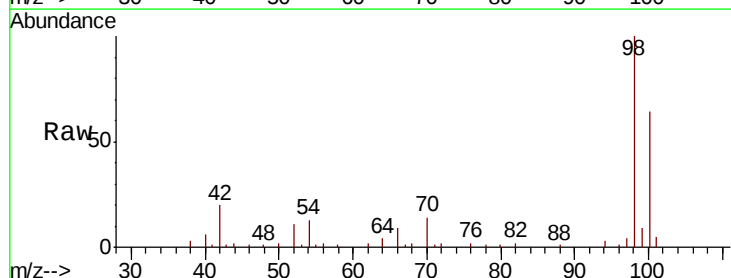


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

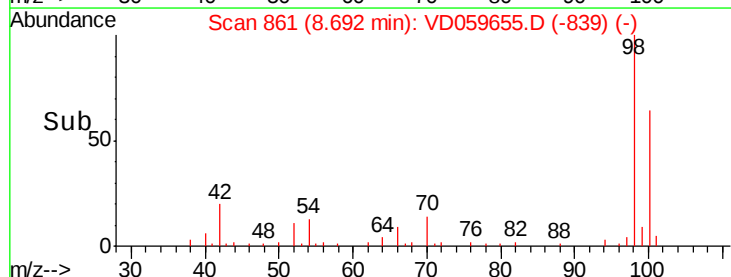
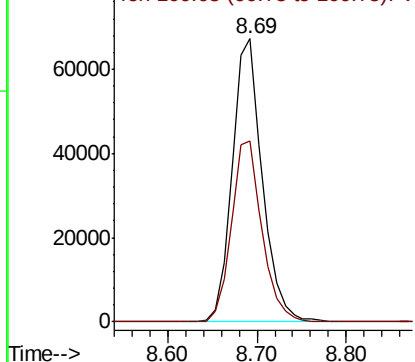


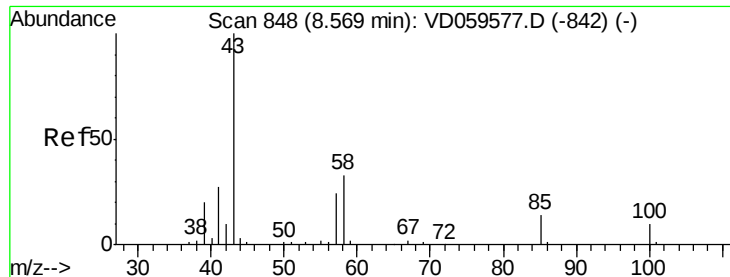
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

Tgt Ion: 98 Resp: 158145
Ion Ratio Lower Upper
98 100
100 64.1 53.2 79.8



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: 1.269 ug/l

RT: 8.68 min Scan# 860

Delta R.T. 0.11 min

Lab File: VD059655.D

Acq: 31 Jul 2018 15:54

Instrument :

MSVOA_D

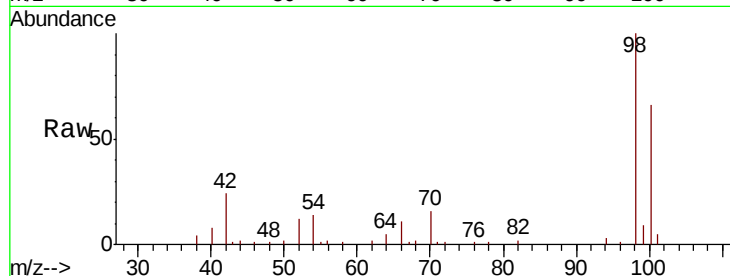
ClientSampleId :

Tot Ion: 43 Resp: 1024

Ion Ratio Lower Upper

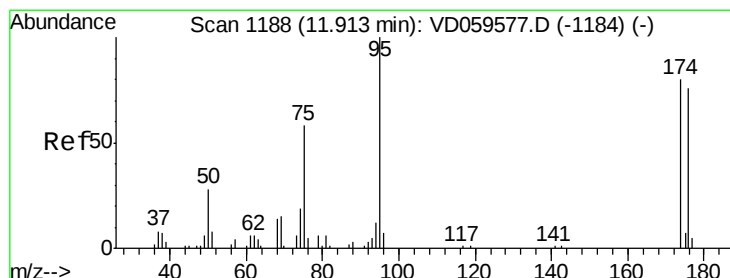
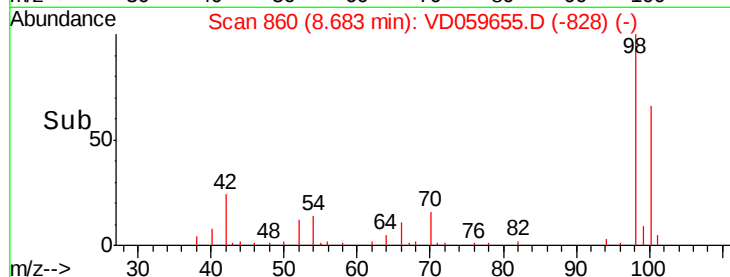
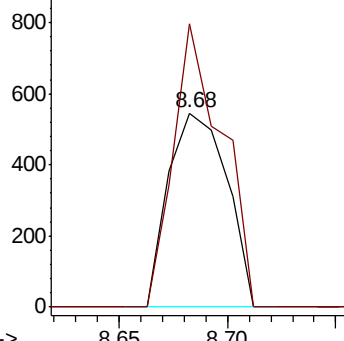
43 100

58 145.8 26.3 39.5#



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: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059655.D

Acq: 31 Jul 2018 15:54

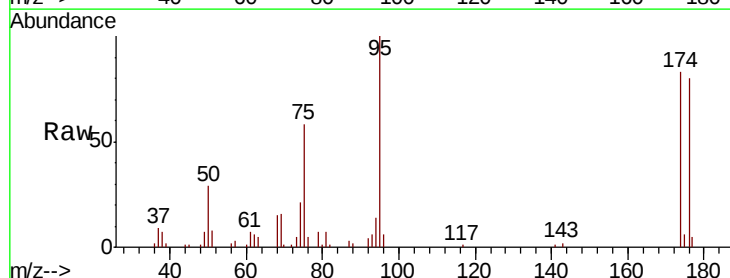
Tgt Ion: 95 Resp: 66946

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.6

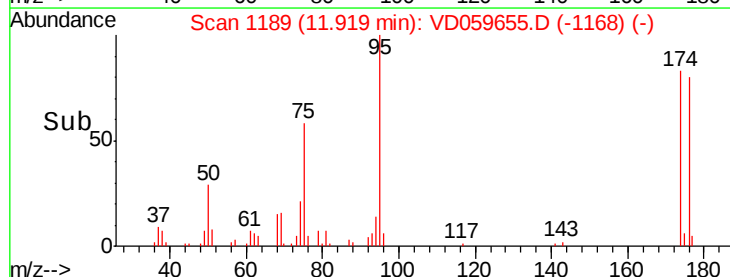
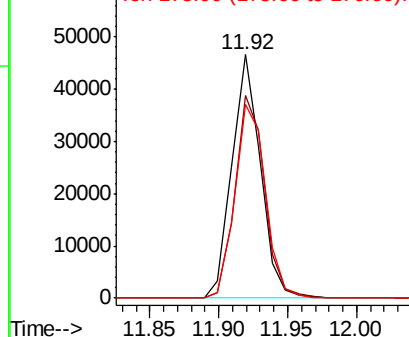
176 79.8 0.0 152.8

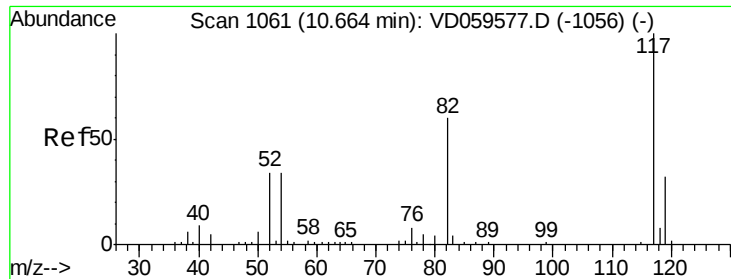


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

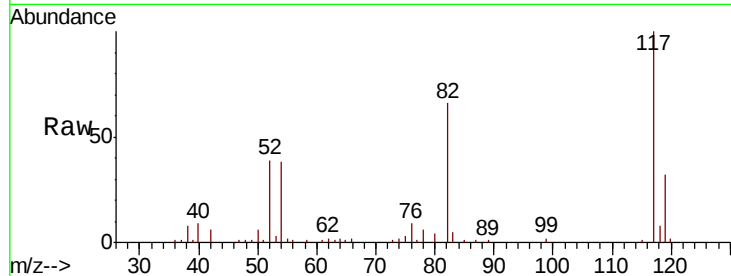




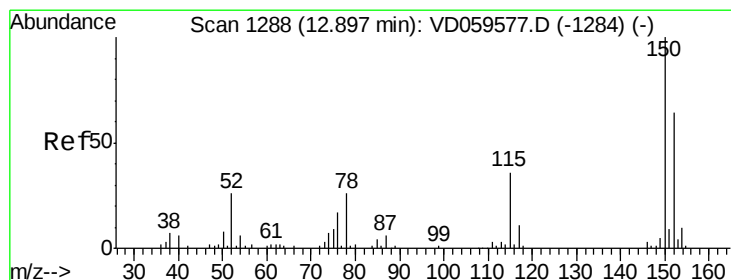
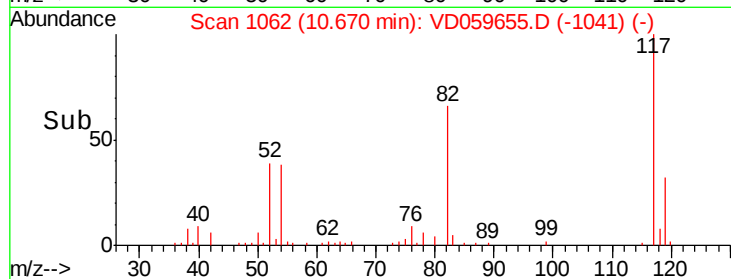
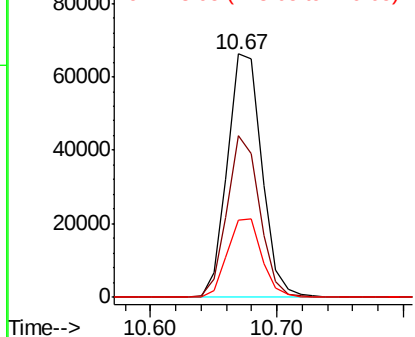
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 124414
Ion Ratio Lower Upper
117 100
82 66.4 48.2 72.2
119 31.5 25.4 38.2

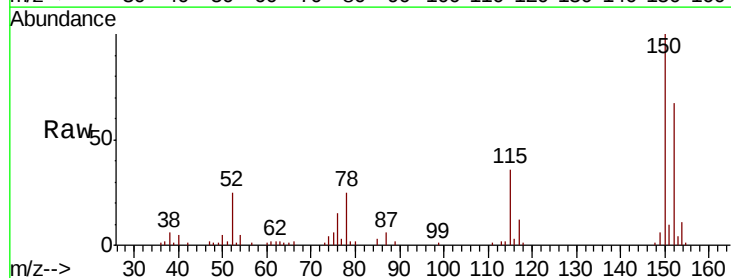


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

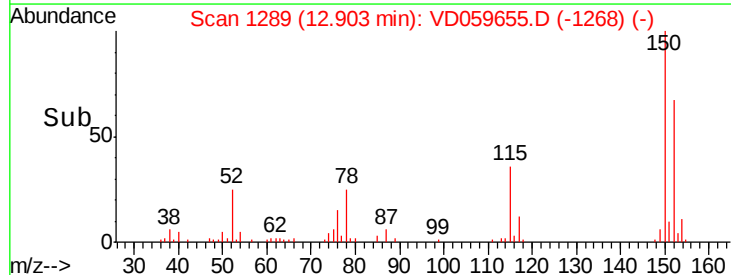
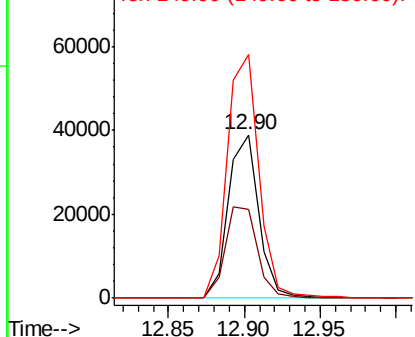


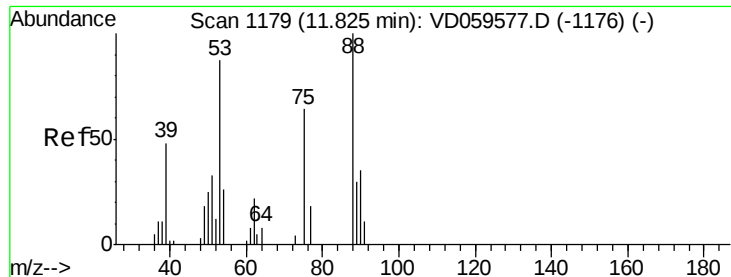
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059655.D
Acq: 31 Jul 2018 15:54

Tgt Ion:152 Resp: 54463
Ion Ratio Lower Upper
152 100
115 54.2 29.5 88.6
150 149.1 0.0 314.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 161.501 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059655.D

Acq: 31 Jul 2018 15:54

Instrument :

MSVOA_D

ClientSampleId :

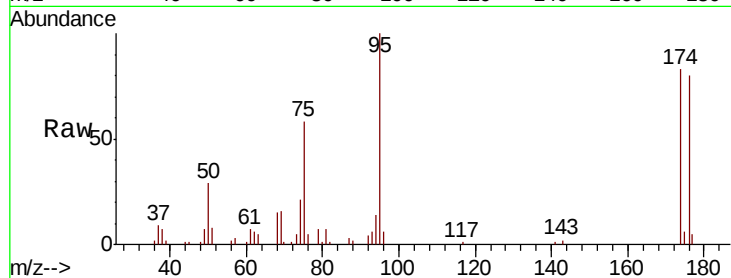
Tot Ion: 75 Resp: 37189

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



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

