

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059657.D
 Acq On : 31 Jul 2018 16:52
 Operator : VA/AP
 Sample : J4236-04
 Misc : 9.75µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 06:42:16 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	5.63	168	125824	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.67	114	161952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	127322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	62056	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	91484	57.83	ug/l	0.00
Spiked Amount			Recovery	=	115.66%	
35) Dibromofluoromethane	5.53	113	81089	58.37	ug/l	0.02
Spiked Amount			Recovery	=	116.74%	
50) Toluene-d8	8.69	98	155934	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.92	95	70853	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

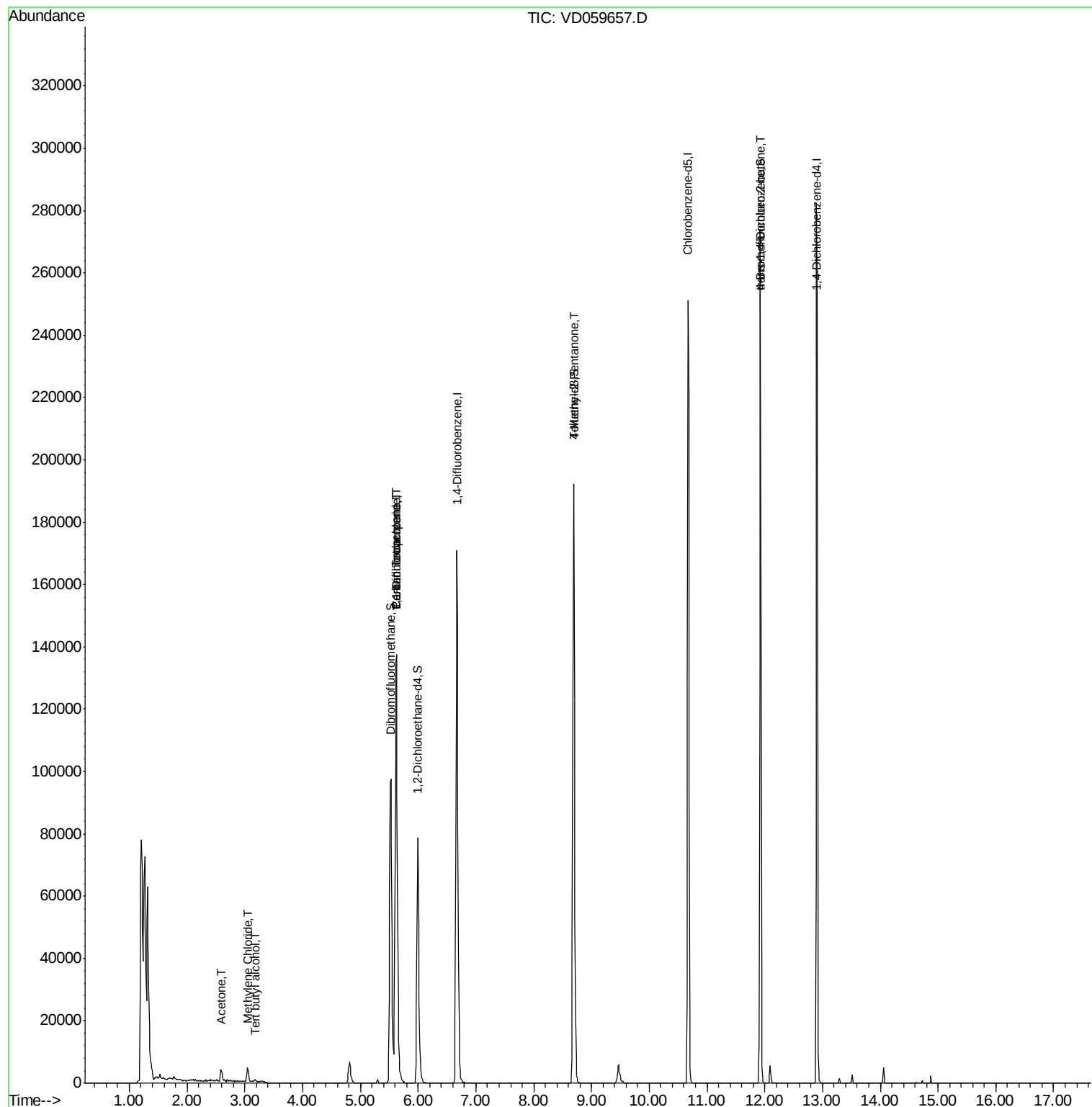
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.18	59	206	3.264	ug/l #	80
16) Acetone	2.59	43	6986	29.244	ug/l	99
20) Methylene Chloride	3.05	84	1983	2.911	ug/l #	78
31) Cyclohexane	5.63	56	3133	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	12381	7.619	ug/l #	43
38) Carbon Tetrachloride	5.62	117	13112	5.892	ug/l #	14
51) 4-Methyl-2-Pentanone	8.69	43	781	1.009	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	39754	151.516	ug/l #	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073118\
Data File : VD059657.D
Acq On : 31 Jul 2018 16:52
Operator : VA/AP
Sample : J4236-04
Misc : 9.75g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 01 06:42:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

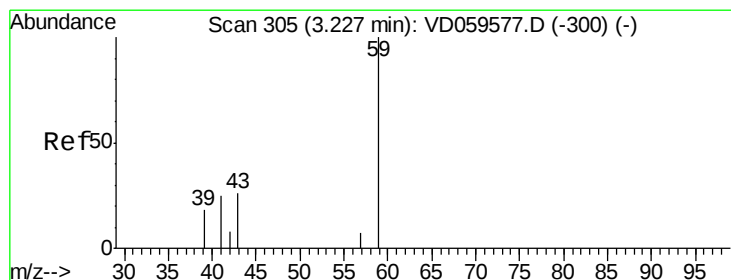
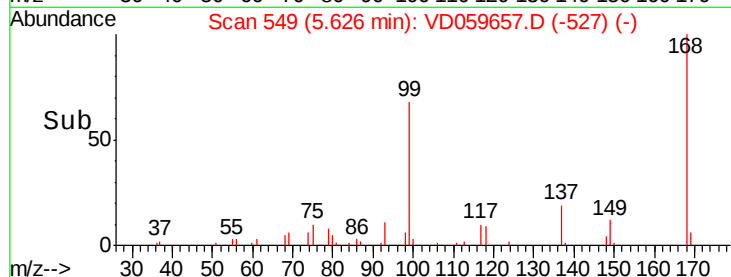
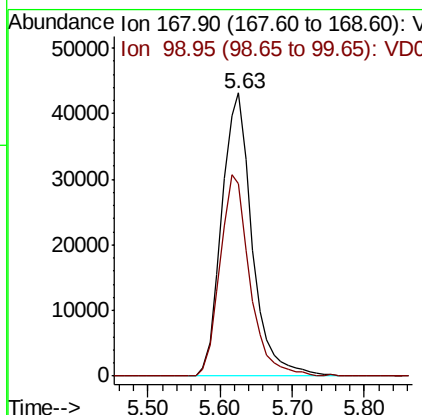
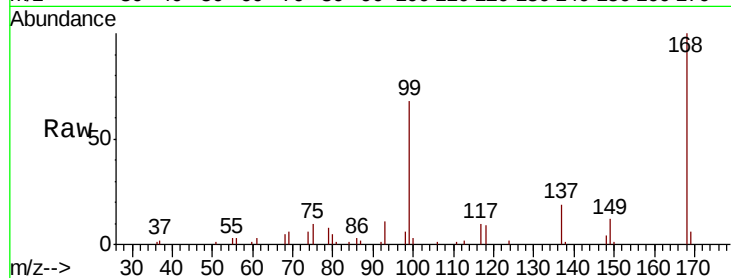




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059657.D
Acq: 31 Jul 2018 16:52

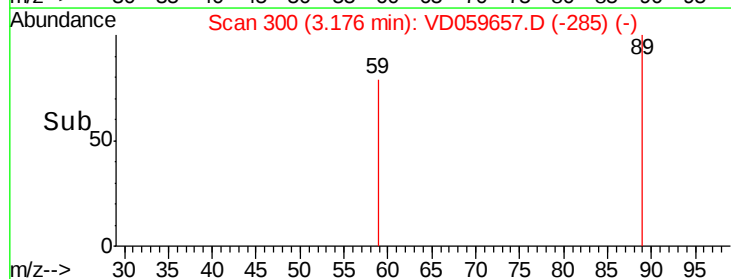
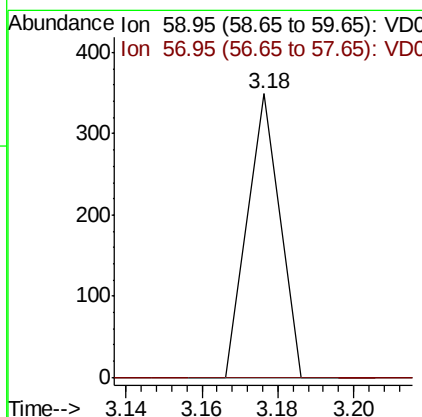
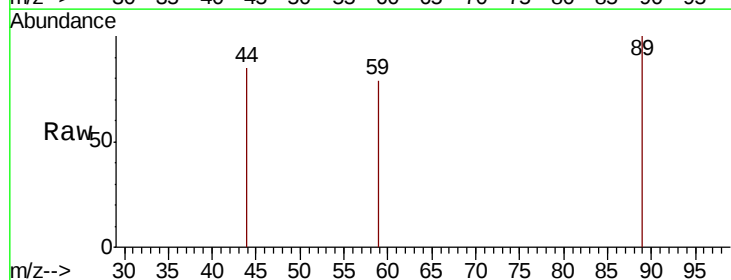
Instrument :
MSVOA_D
ClientSampleId :

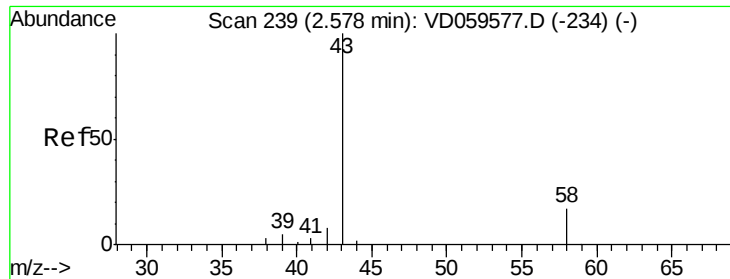
Tot Ion:168 Resp: 125824
Ion Ratio Lower Upper
168 100
99 68.2 47.3 70.9



#11
Tert butyl alcohol
Concen: 3.264 ug/l
RT: 3.18 min Scan# 300
Delta R.T. -0.05 min
Lab File: VD059657.D
Acq: 31 Jul 2018 16:52

Tgt Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#





#16

Acetone

Concen: 29.244 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

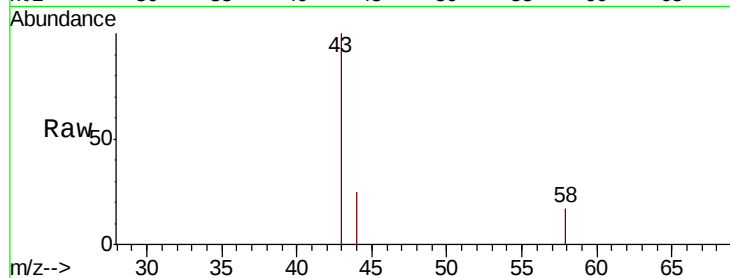
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 6986

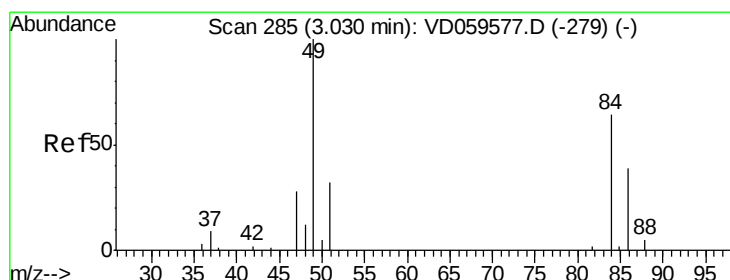
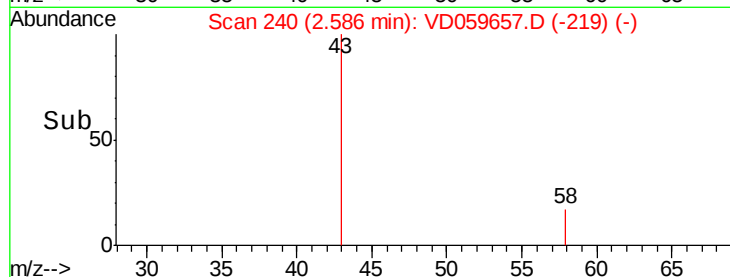
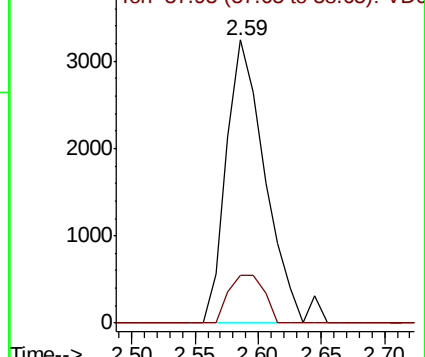
Ion Ratio Lower Upper

43 100

58 16.9 13.4 20.0



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



#20

Methylene Chloride

Concen: 2.911 ug/l

RT: 3.05 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

Tgt Ion: 84 Resp: 1983

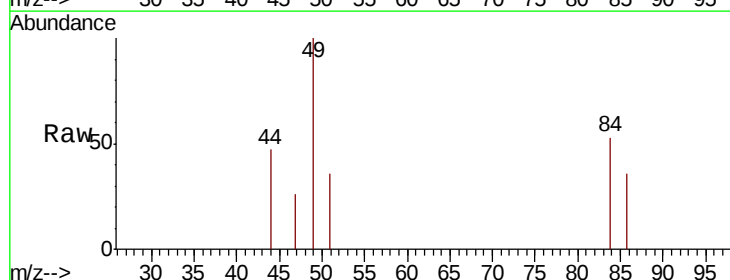
Ion Ratio Lower Upper

84 100

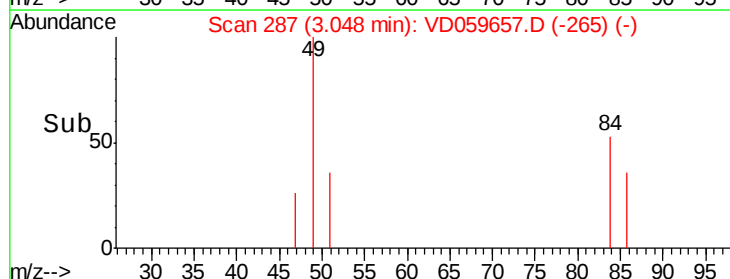
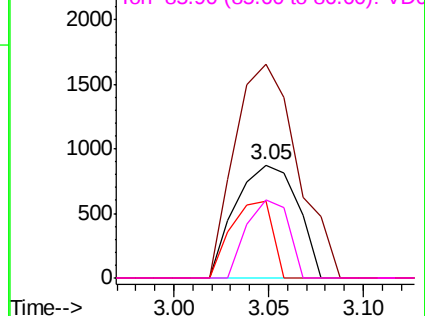
49 189.5 125.4 188.2#

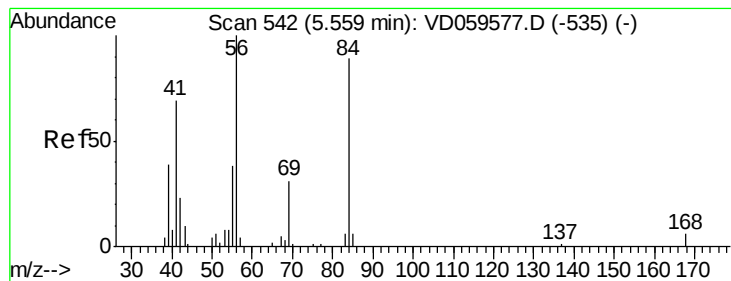
51 68.6 39.7 59.5#

86 69.1 49.1 73.7



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: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.07 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

Instrument :

MSVOA_D

ClientSampled :

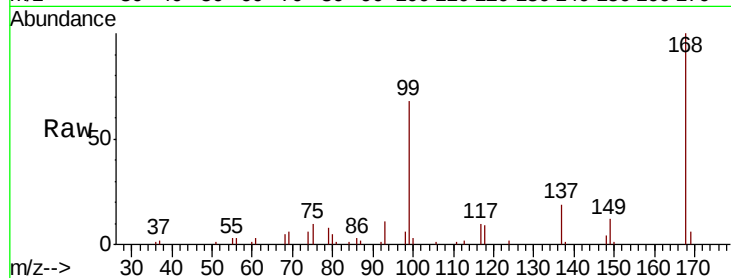
Tot Ion: 56 Resp: 3133

Ion Ratio Lower Upper

56 100

69 187.1 24.6 37.0#

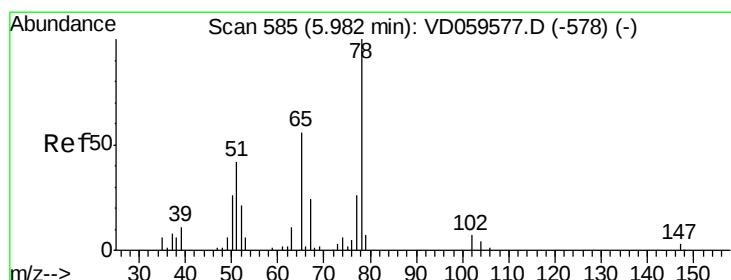
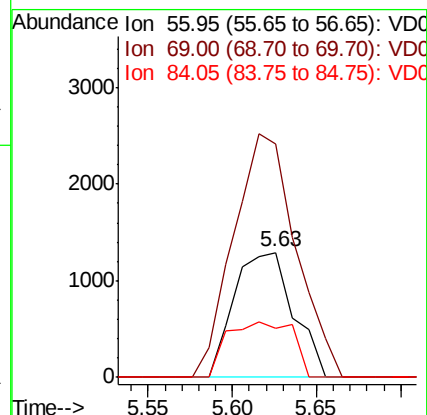
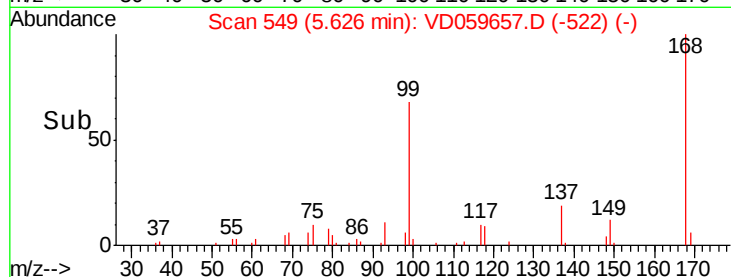
84 38.9 72.7 109.1#



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: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059657.D

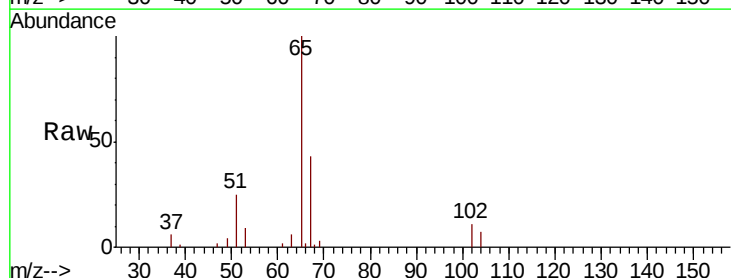
Acq: 31 Jul 2018 16:52

Tgt Ion: 65 Resp: 91484

Ion Ratio Lower Upper

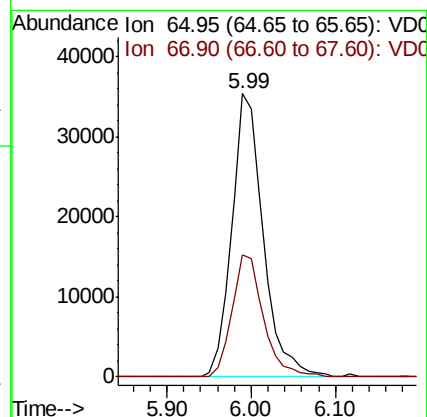
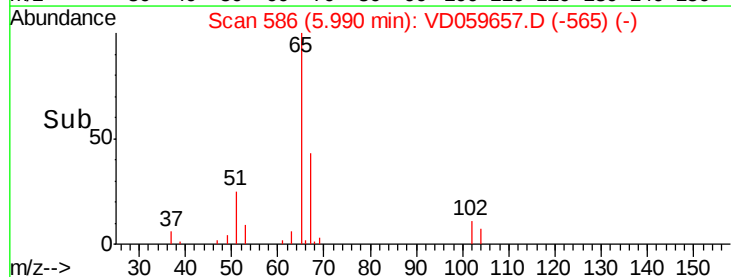
65 100

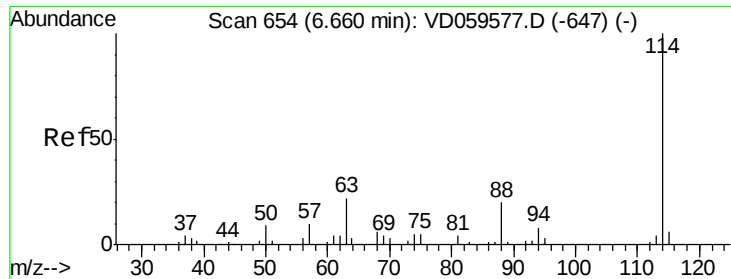
67 43.2 0.0 86.4



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: 6.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

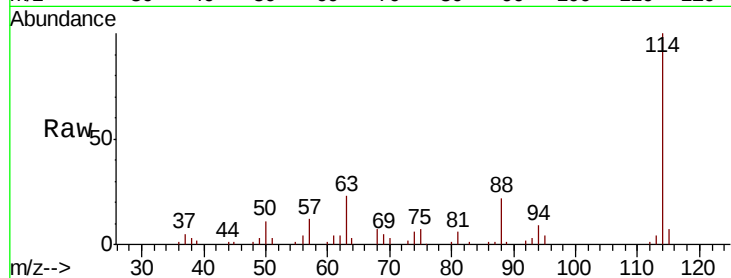
Tot Ion:114 Resp: 161952

Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.8

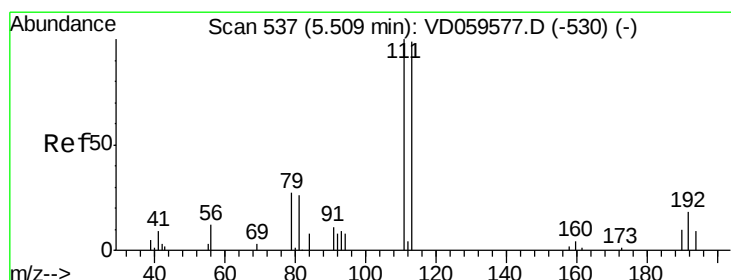
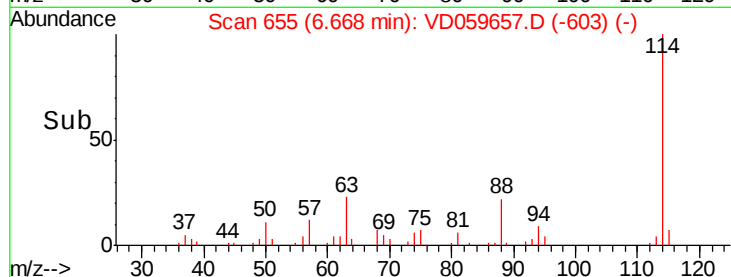
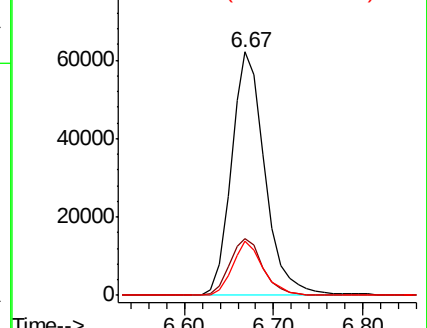
88 22.4 0.0 39.0



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: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

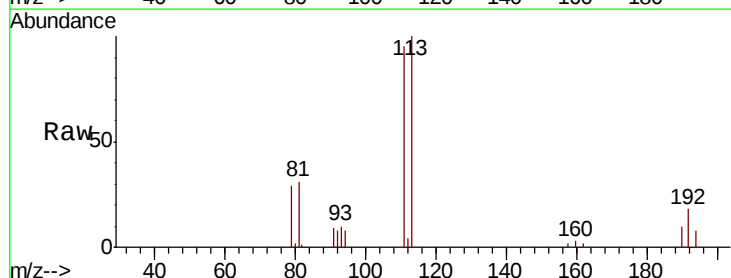
Tgt Ion:113 Resp: 81089

Ion Ratio Lower Upper

113 100

111 95.2 80.5 120.7

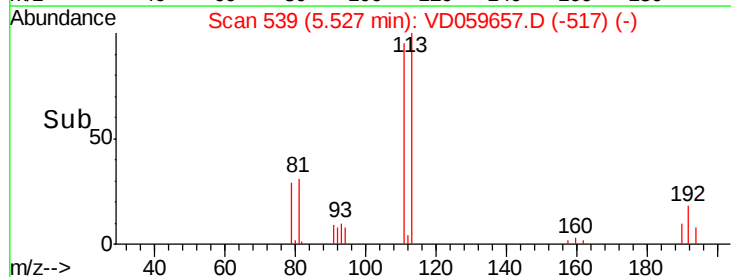
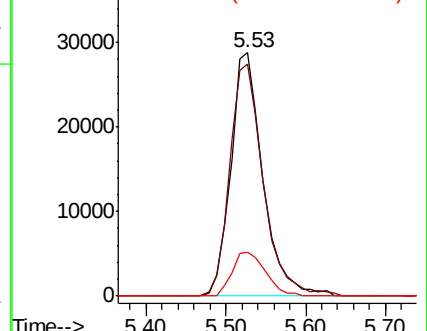
192 17.8 14.5 21.7

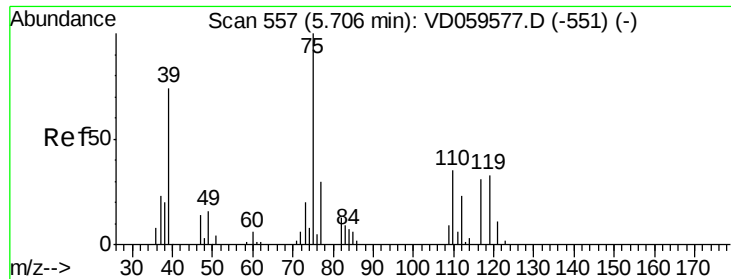


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 7.619 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.08 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

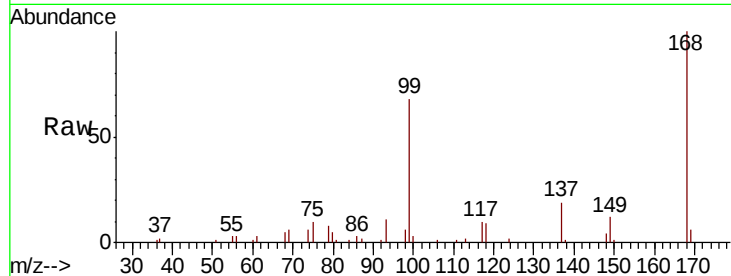
Tot Ion: 75 Resp: 12381

Ion Ratio Lower Upper

75 100

110 0.0 17.0 50.9#

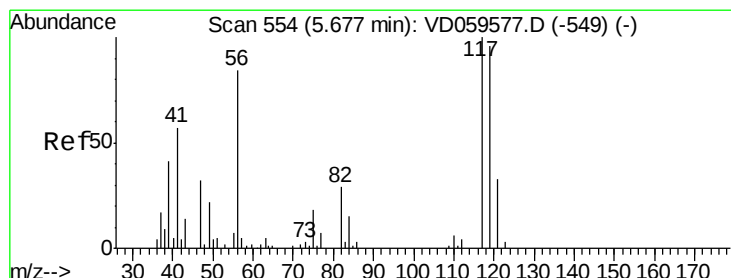
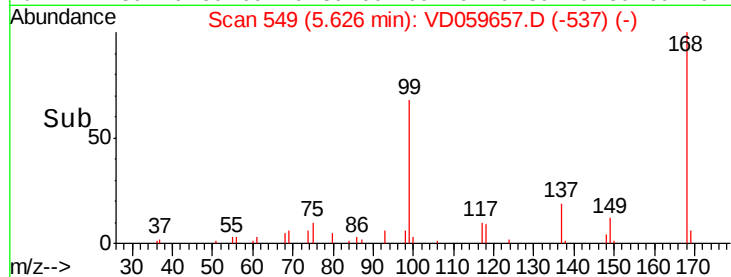
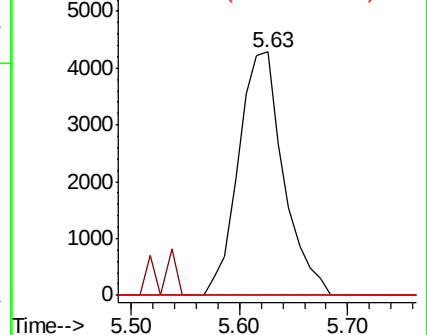
77 0.0 23.6 35.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.892 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.06 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

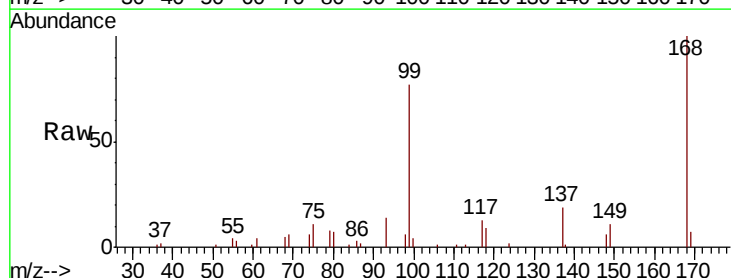
Tgt Ion: 117 Resp: 13112

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

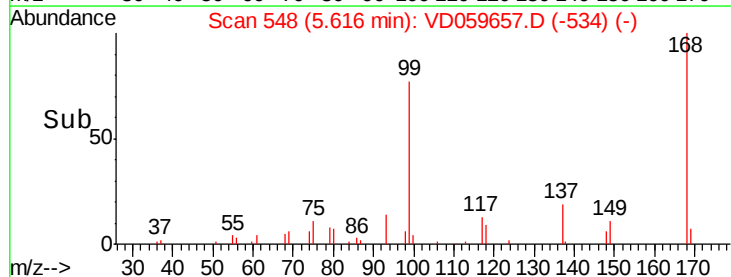
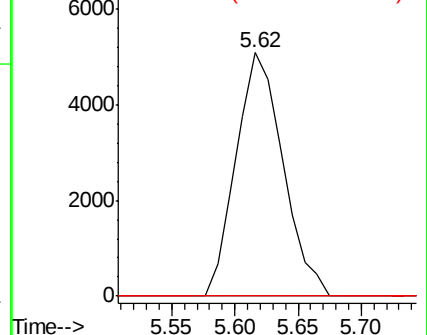
121 0.0 25.0 37.6#

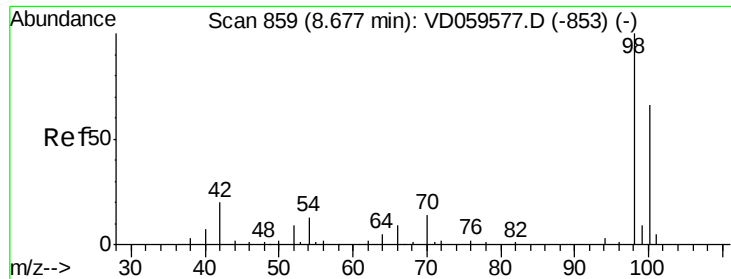


Abundance Ion 116.85 (116.55 to 117.55): V

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# 860

Delta R.T. 0.01 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

Instrument :

MSVOA_D

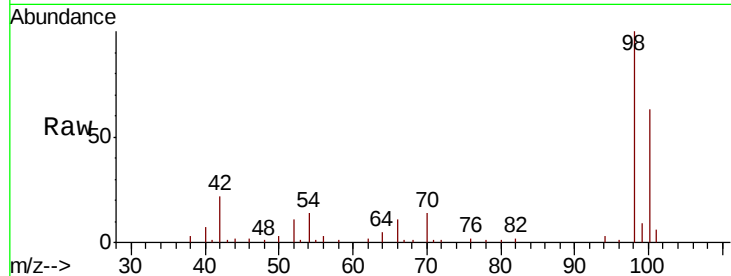
ClientSampleId :

Tot Ion: 98 Resp: 155934

Ion Ratio Lower Upper

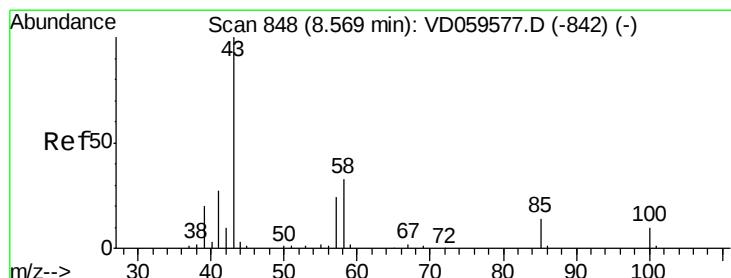
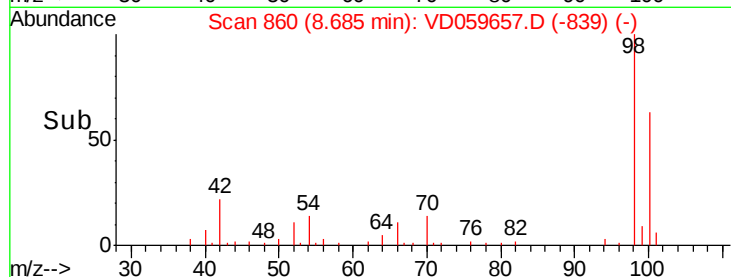
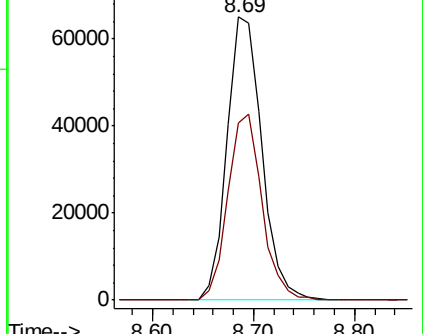
98 100

100 62.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.009 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.12 min

Lab File: VD059657.D

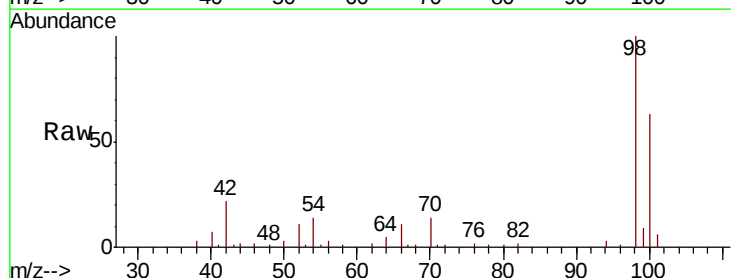
Acq: 31 Jul 2018 16:52

Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

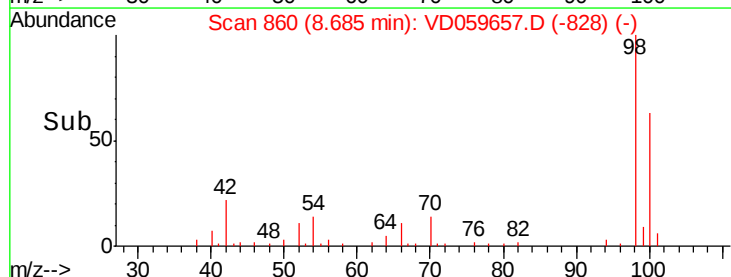
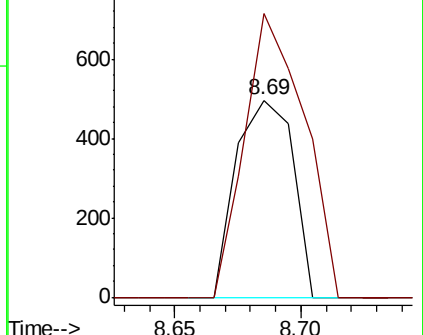
43 100

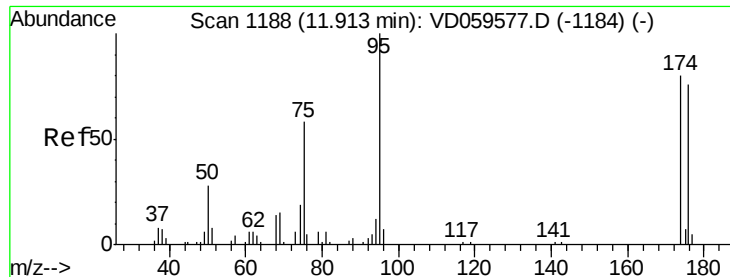
58 143.7 26.3 39.5#



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: VD059657.D

Acq: 31 Jul 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

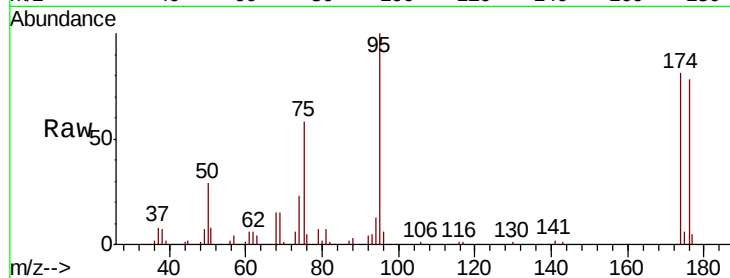
Tot Ion: 95 Resp: 70853

Ion Ratio Lower Upper

95 100

174 81.5 0.0 160.6

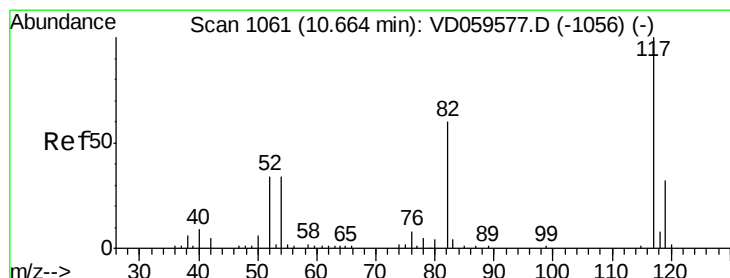
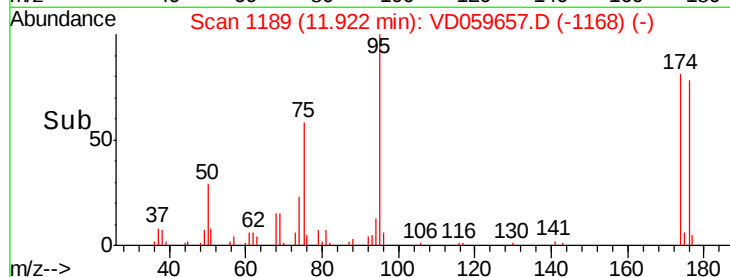
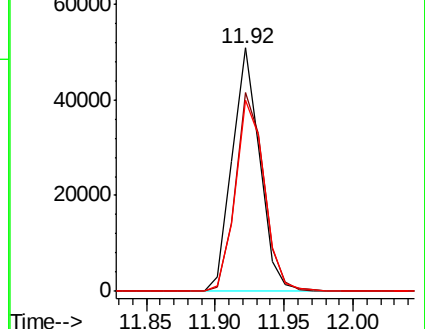
176 78.4 0.0 152.8



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: 10.67 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VD059657.D

Acq: 31 Jul 2018 16:52

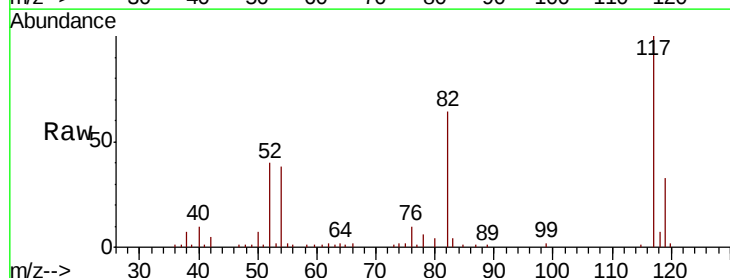
Tgt Ion: 117 Resp: 127322

Ion Ratio Lower Upper

117 100

82 64.5 48.2 72.2

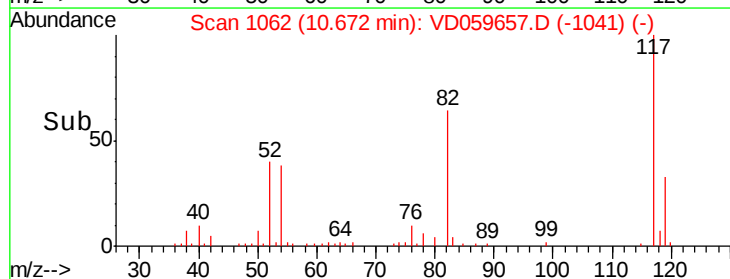
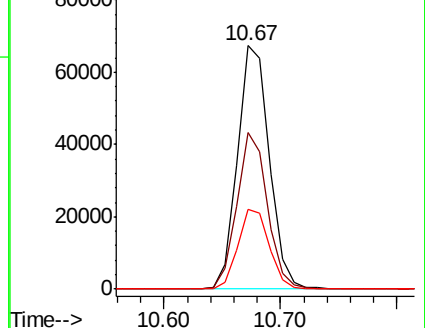
119 32.5 25.4 38.2

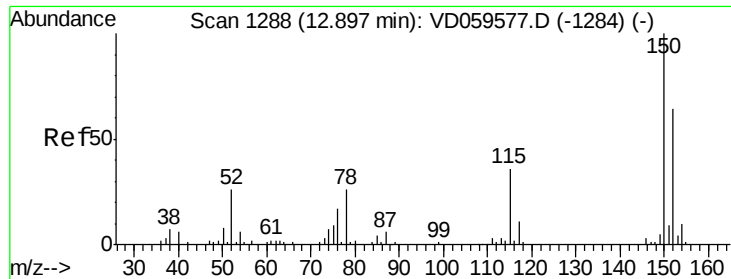


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



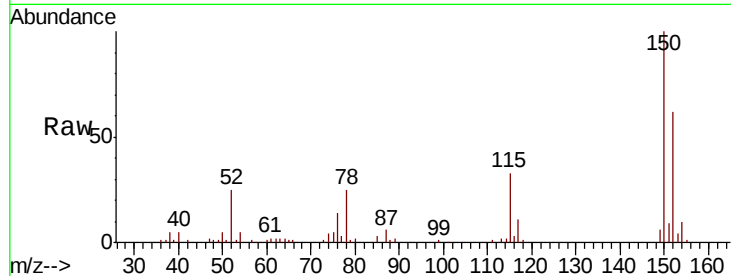


#72

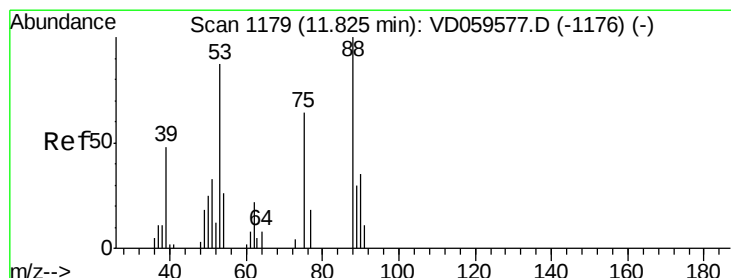
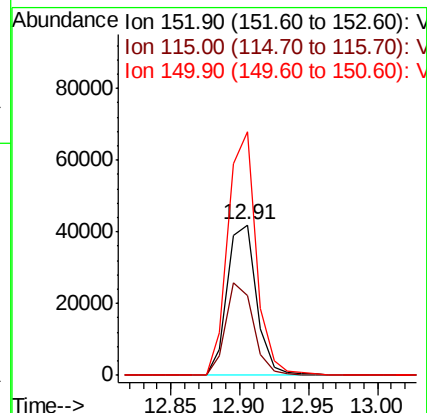
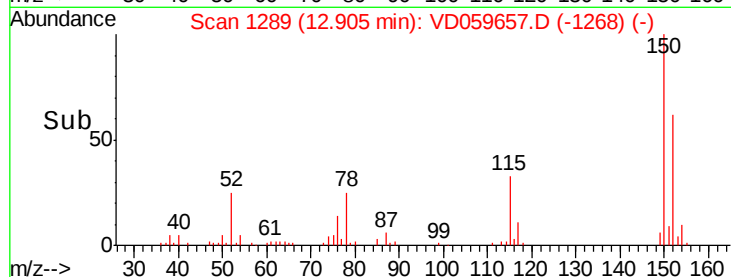
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059657.D
Acq: 31 Jul 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.0	29.5	88.6
150	161.8	0.0	314.4



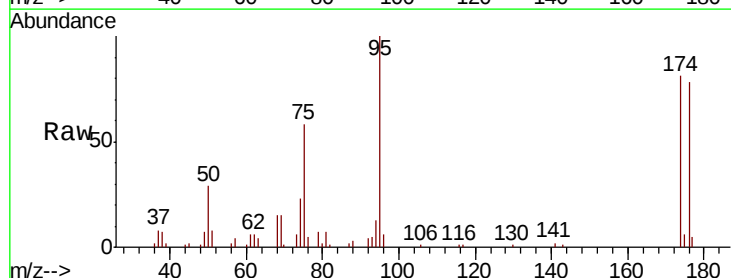
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 151.516 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.10 min
Lab File: VD059657.D
Acq: 31 Jul 2018 16:52

Tgt 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

