

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059658.D
 Acq On : 31 Jul 2018 17:21
 Operator : VA/AP
 Sample : J4237-02
 Misc : 9.95µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 06:42:26 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

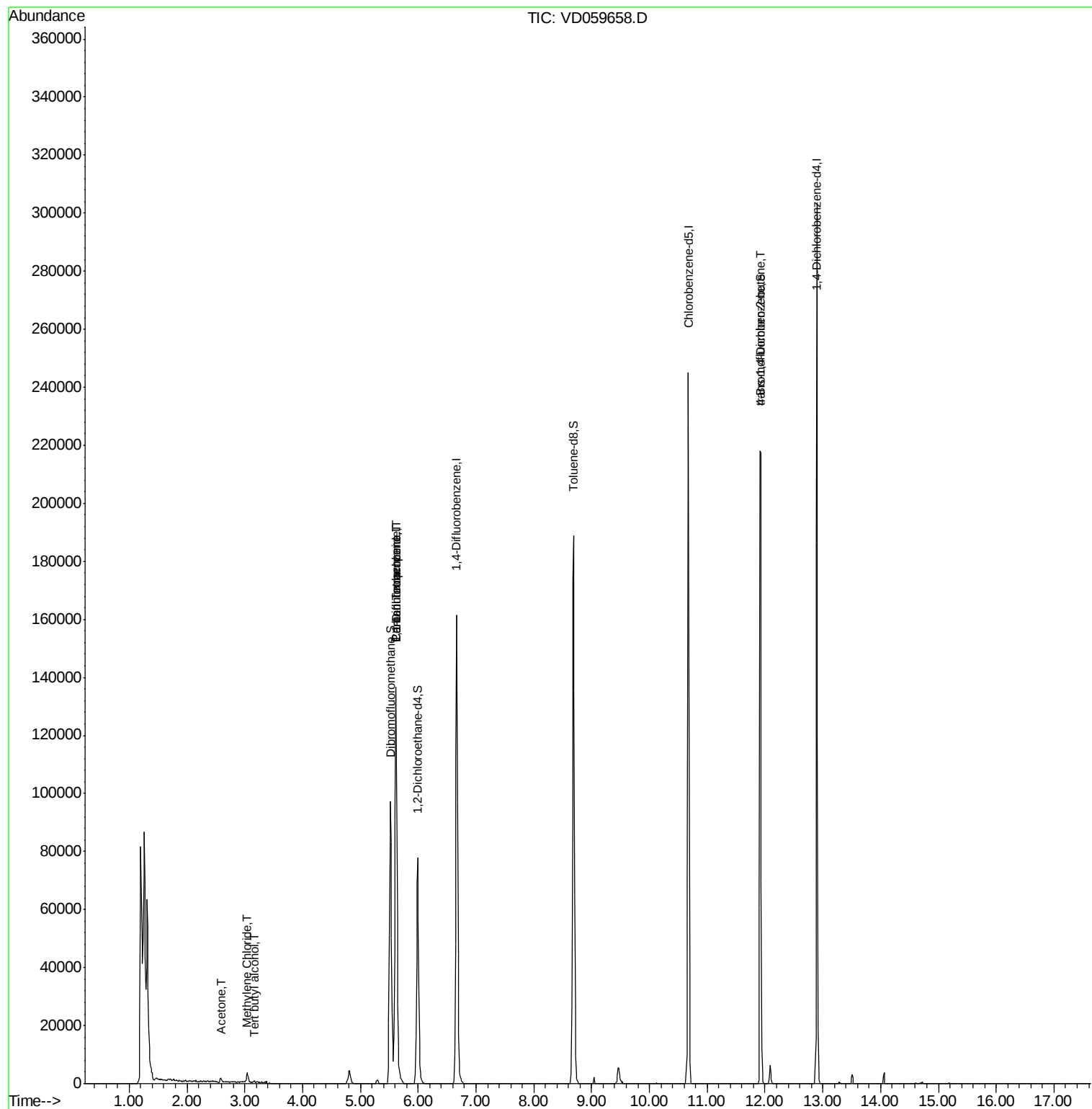
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	123128	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	153256	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.67	117	119078	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	60124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	87934	56.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.62%	
35) Dibromofluoromethane	5.52	113	76472	58.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	116.34%	
50) Toluene-d8	8.69	98	149398	50.10	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.91	95	64229	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.16	59	179	2.899	ug/l #	80
16) Acetone	2.58	43	2437	10.425	ug/l #	61
20) Methylene Chloride	3.05	84	1461	2.192	ug/l	85
31) Cyclohexane	5.61	56	2983	Below Cal	#	9
36) 1,1-Dichloropropene	5.62	75	11282	7.336	ug/l #	50
38) Carbon Tetrachloride	5.61	117	12566	5.967	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.91	75	35725	140.535	ug/l #	1

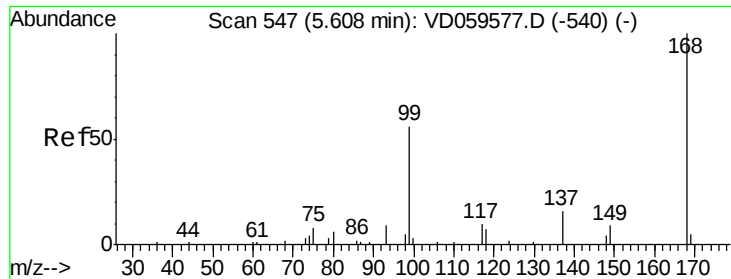
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

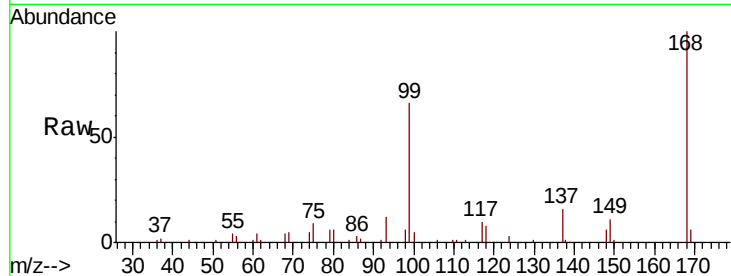
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 123128

Ion Ratio Lower Upper

168 100

99 66.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

40000

30000

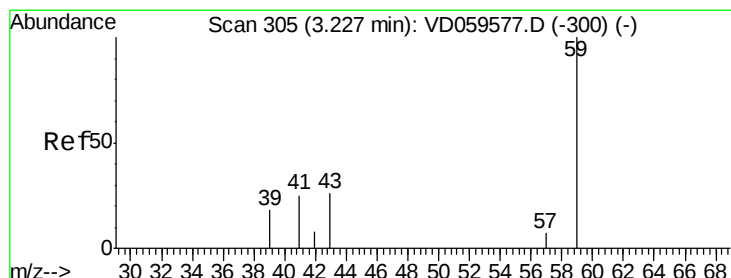
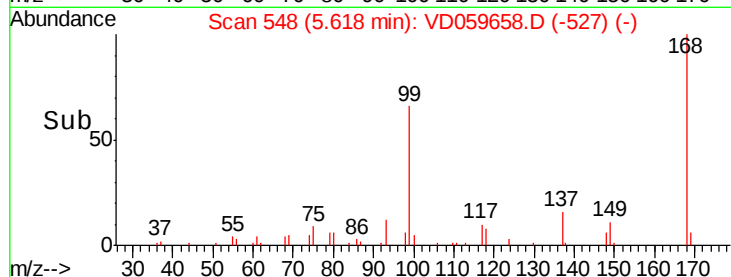
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 2.899 ug/l

RT: 3.16 min Scan# 298

Delta R.T. -0.07 min

Lab File: VD059658.D

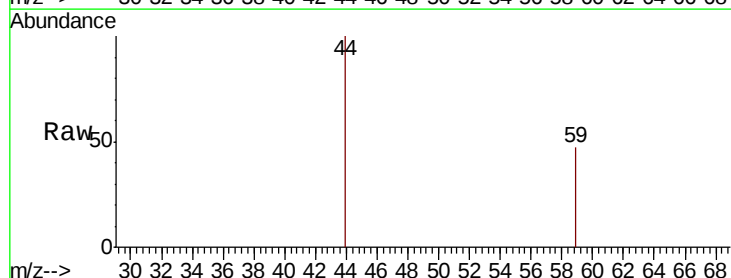
Acq: 31 Jul 2018 17:21

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.16

300

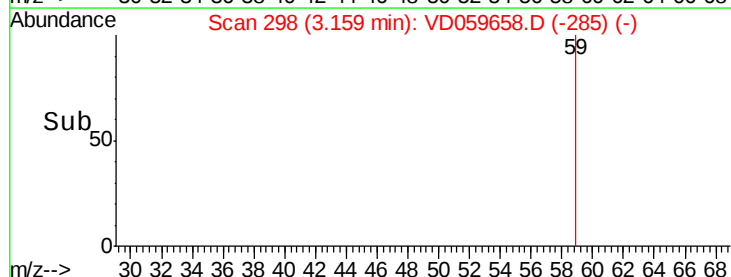
200

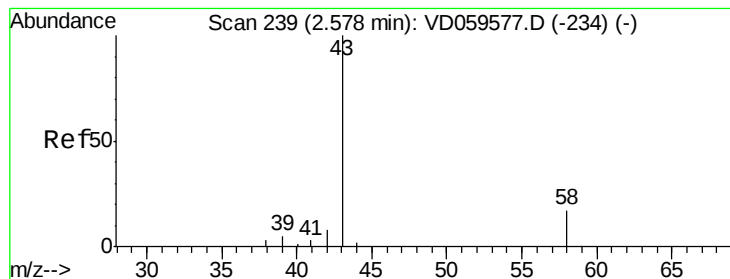
100

0

3.12 3.14 3.16 3.18

Time-->





#16

Acetone

Concen: 10.425 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.00 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

Instrument :

MSVOA_D

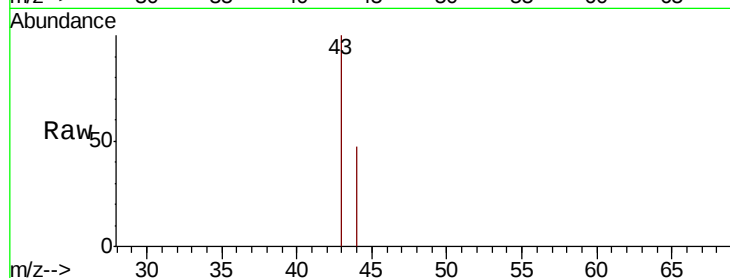
ClientSampled :

Tot Ion: 43 Resp: 2437

Ion Ratio Lower Upper

43 100

58 0.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500

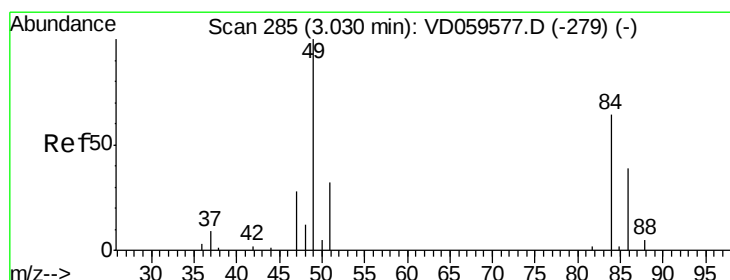
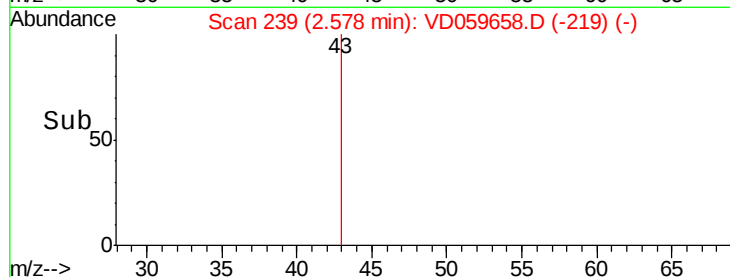
2.58

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 2.192 ug/l

RT: 3.05 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

Tgt Ion: 84 Resp: 1461

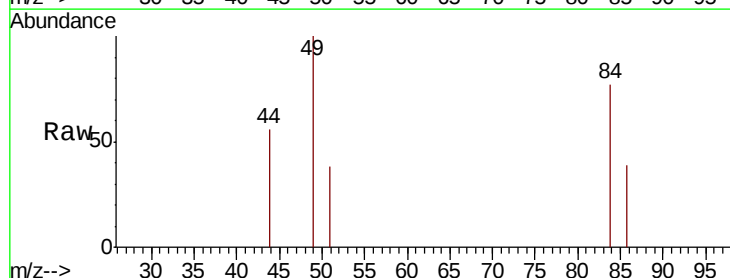
Ion Ratio Lower Upper

84 100

49 130.1 125.4 188.2

51 49.2 39.7 59.5

86 51.1 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

2000

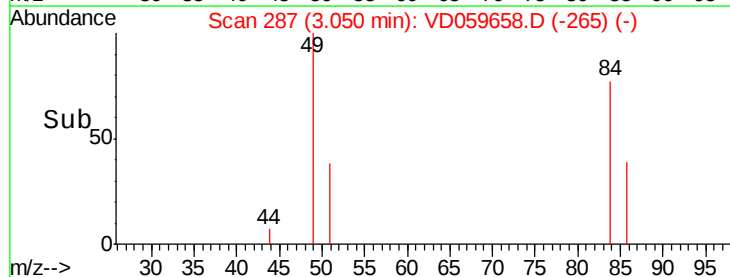
1500

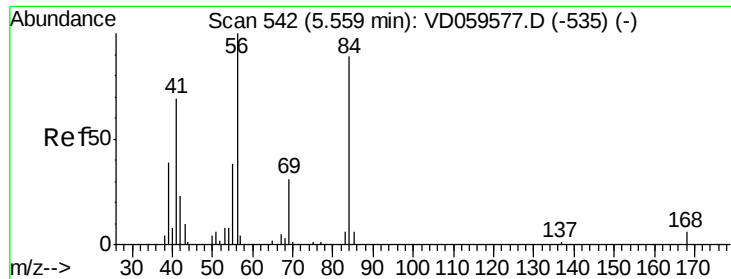
1000

500

0

Time-->

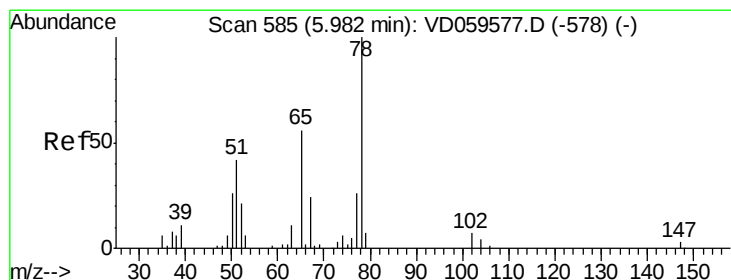
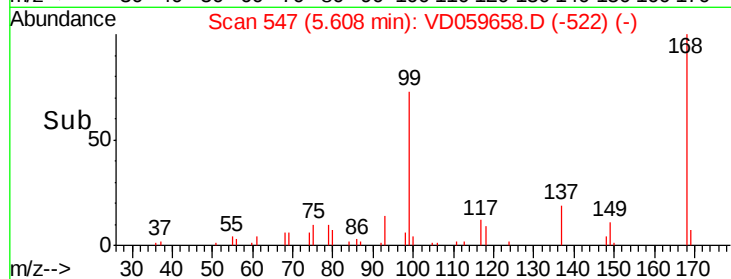
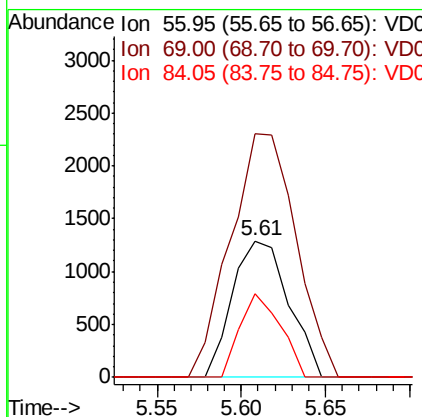
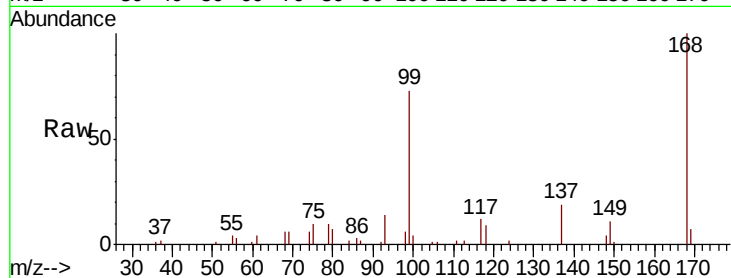




#31
Cyclohexane
Concen: Below Cal
RT: 5.61 min Scan# 547
Delta R.T. 0.05 min
Lab File: VD059658.D
Acq: 31 Jul 2018 17:21

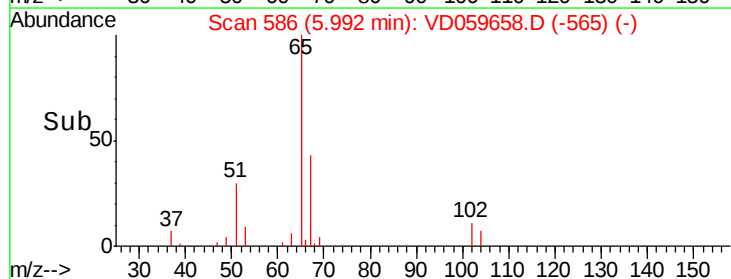
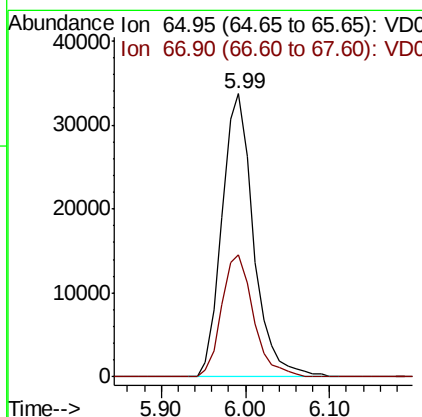
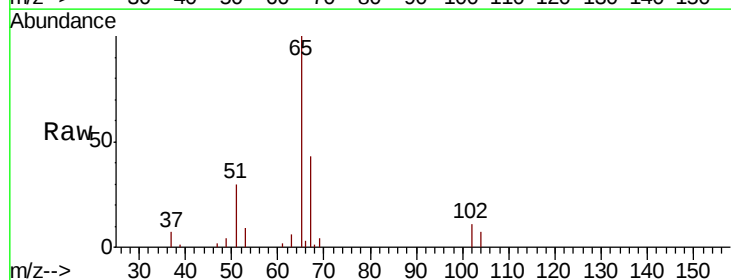
Instrument :
MSVOA_D
ClientSampled :

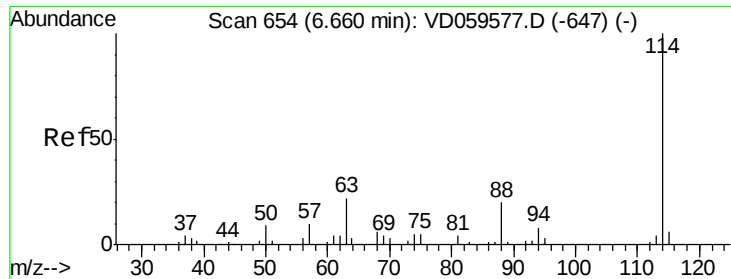
Tot Ion: 56 Resp: 2983
Ion Ratio Lower Upper
56 100
69 178.5 24.6 37.0#
84 61.6 72.7 109.1#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.01 min
Lab File: VD059658.D
Acq: 31 Jul 2018 17:21

Tgt Ion: 65 Resp: 87934
Ion Ratio Lower Upper
65 100
67 43.2 0.0 86.4

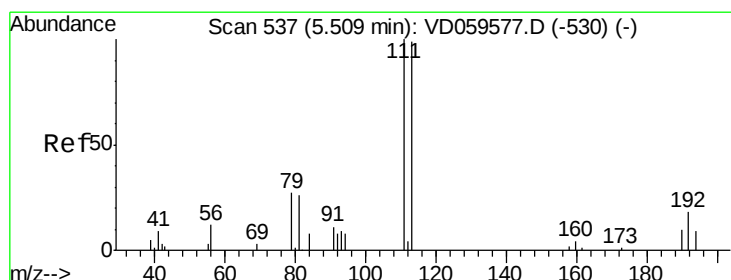
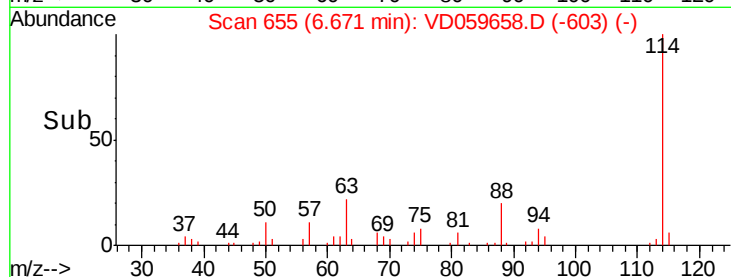
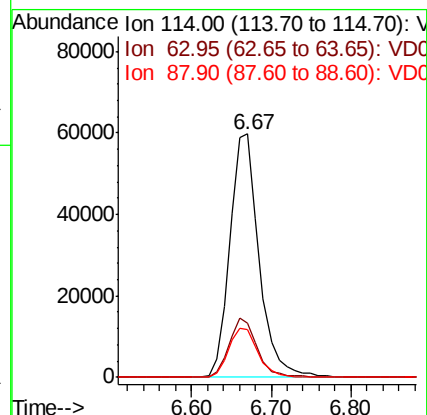
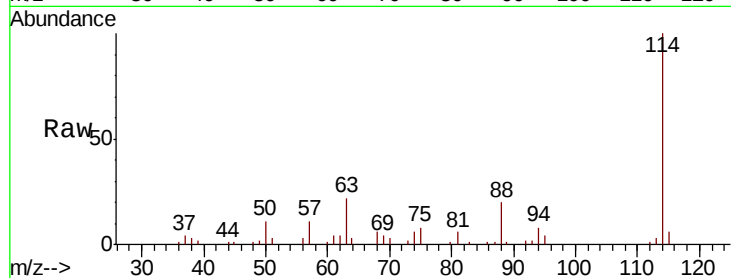




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059658.D
 Acq: 31 Jul 2018 17:21

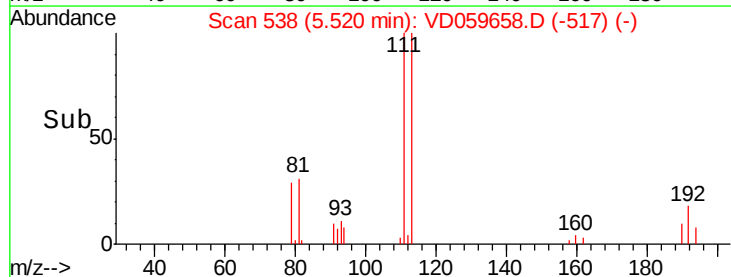
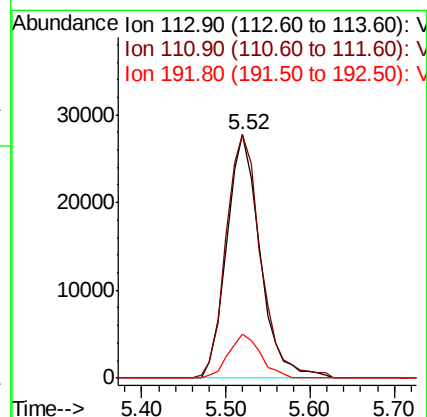
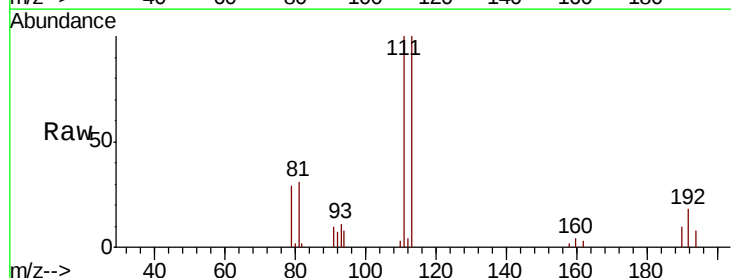
Instrument :
 MSVOA_D
 ClientSampleId :

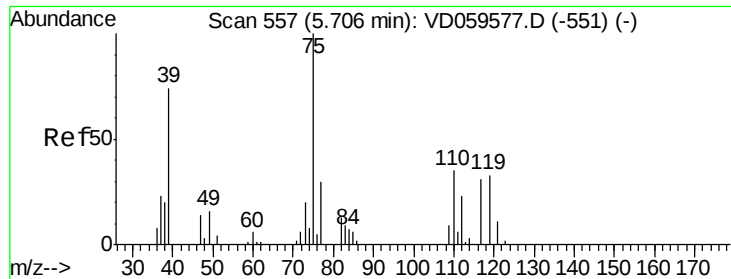
Tot Ion:114 Resp: 153256
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 19.7 0.0 39.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VD059658.D
 Acq: 31 Jul 2018 17:21

Tgt Ion:113 Resp: 76472
 Ion Ratio Lower Upper
 113 100
 111 99.9 80.5 120.7
 192 18.3 14.5 21.7





#36

1,1-Dichloropropene

Concen: 7.336 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

Instrument :

MSVOA_D

ClientSampled :

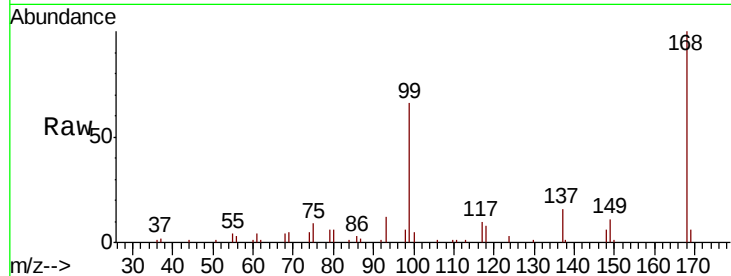
Tot Ion: 75 Resp: 11282

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

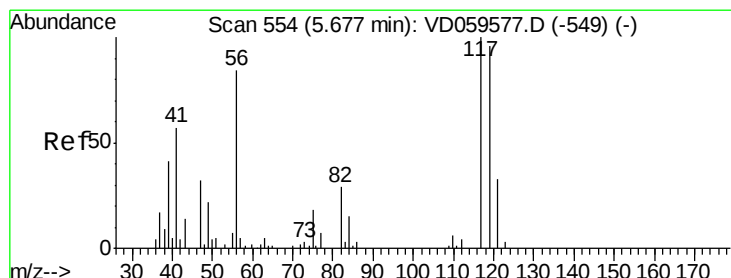
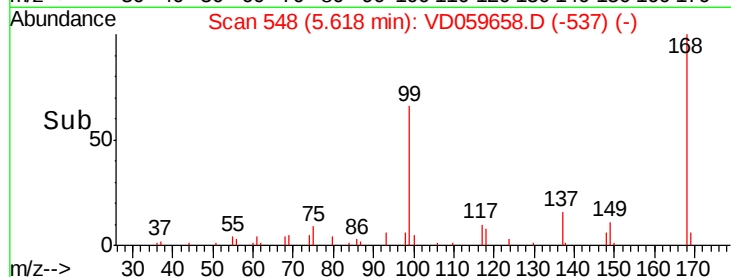
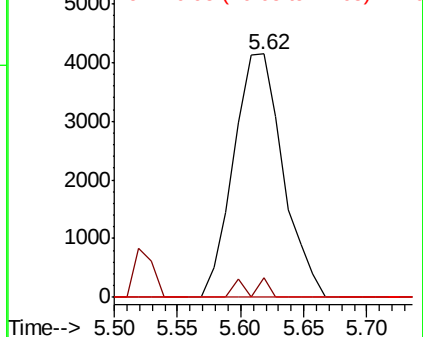
77 0.0 23.6 35.4#



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: 5.967 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.07 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

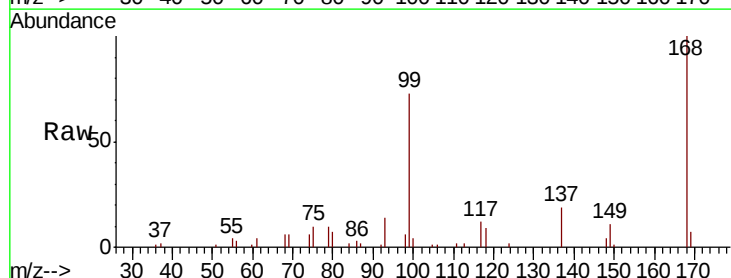
Tgt Ion: 117 Resp: 12566

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

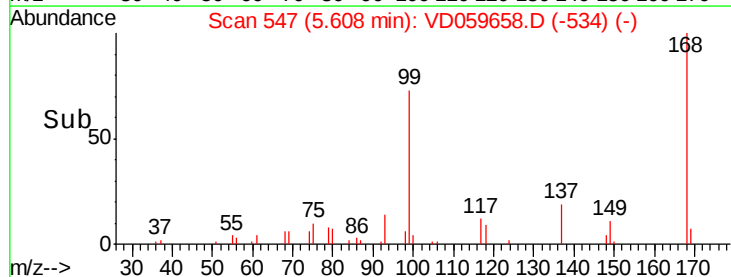
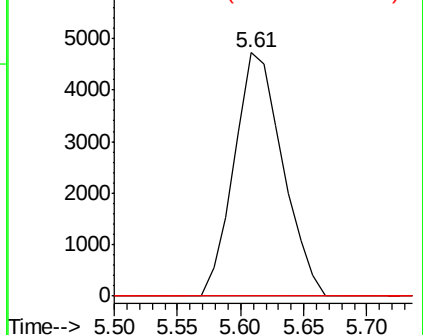
121 0.0 25.0 37.6#

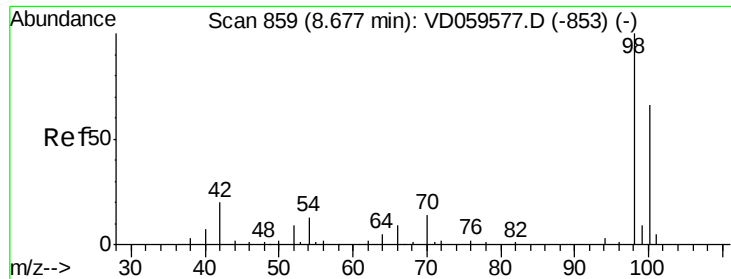


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD059658.D

Acq: 31 Jul 2018 17:21

Instrument :

MSVOA_D

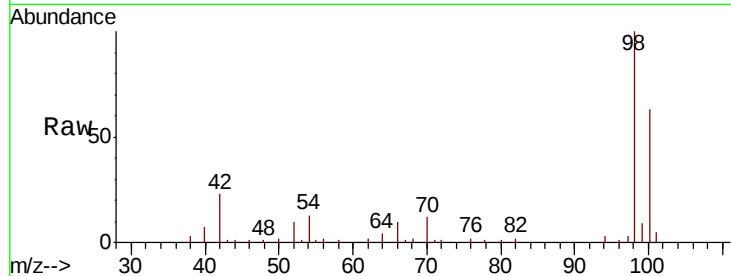
ClientSampleId :

Tot Ion: 98 Resp: 149398

Ion Ratio Lower Upper

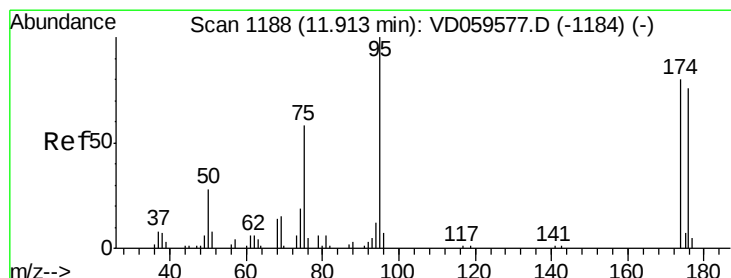
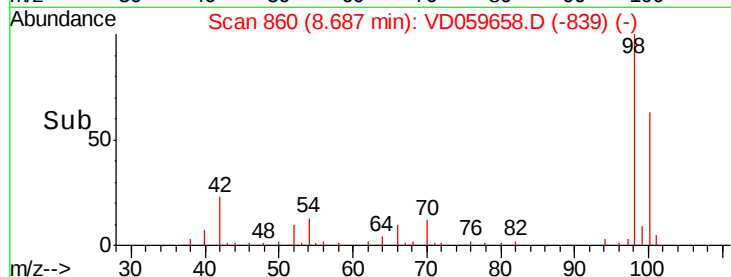
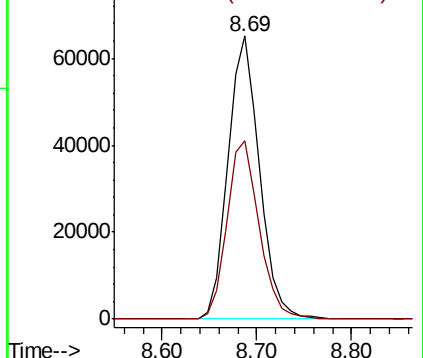
98 100

100 63.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

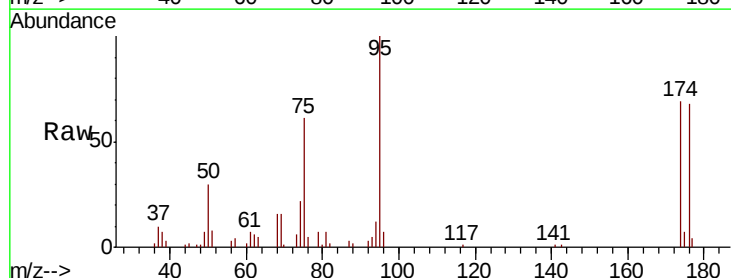
Tgt Ion: 95 Resp: 64229

Ion Ratio Lower Upper

95 100

174 68.7 0.0 160.6

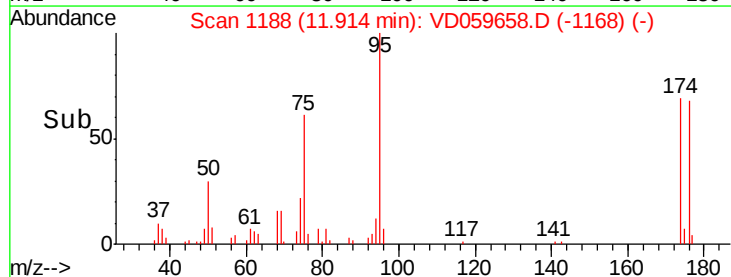
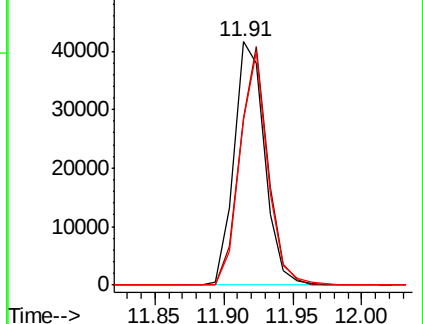
176 67.9 0.0 152.8

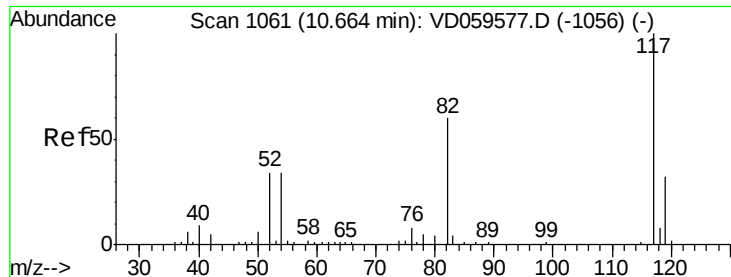


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

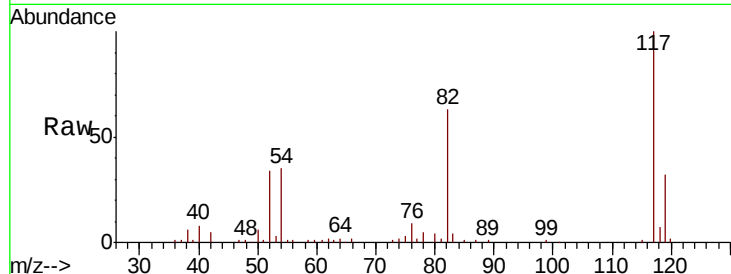




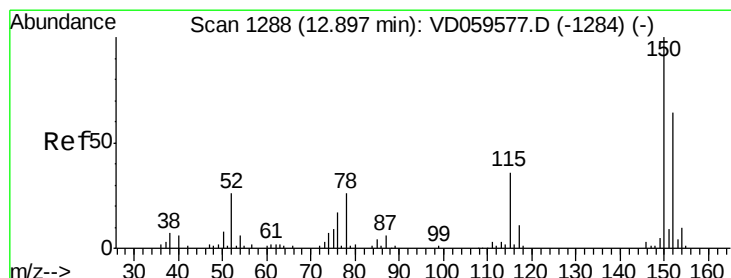
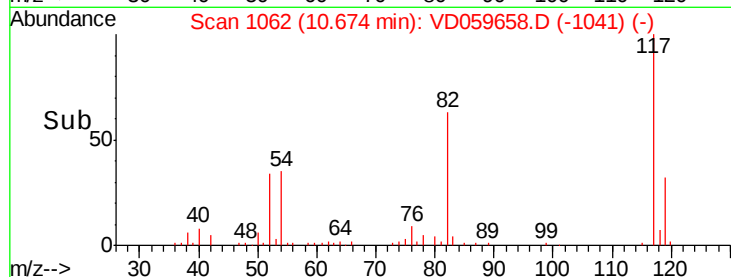
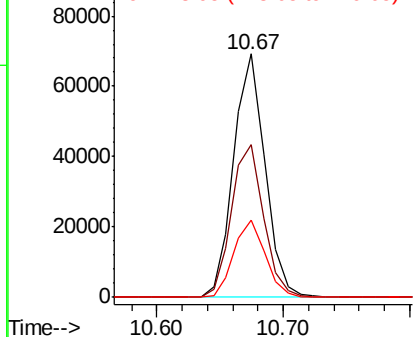
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059658.D
Acq: 31 Jul 2018 17:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 119078
Ion Ratio Lower Upper
117 100
82 62.9 48.2 72.2
119 31.9 25.4 38.2

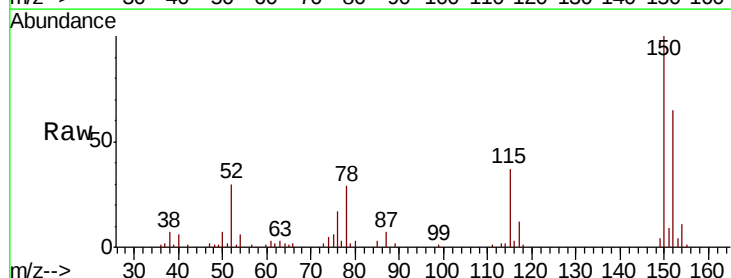


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

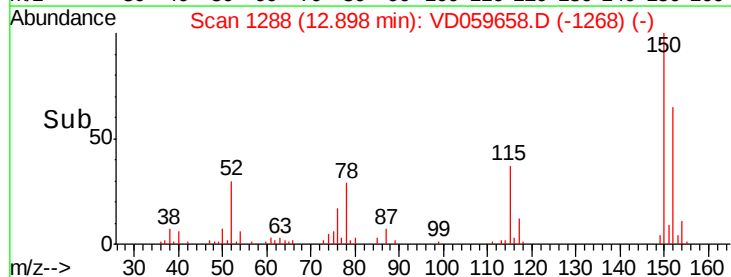
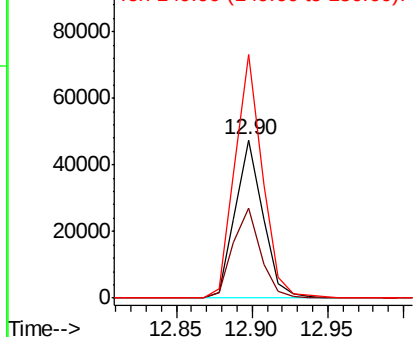


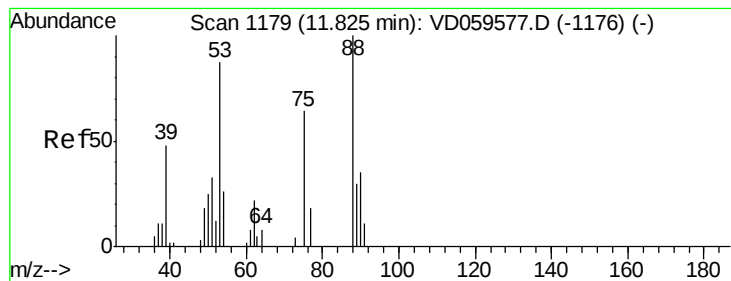
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VD059658.D
Acq: 31 Jul 2018 17:21

Tgt Ion:152 Resp: 60124
Ion Ratio Lower Upper
152 100
115 57.0 29.5 88.6
150 154.0 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: 140.535 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.09 min

Lab File: VD059658.D

Acq: 31 Jul 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 35725

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#

