

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058176.D
 Acq On : 18 Jun 2018 12:44
 Operator : VA/AP
 Sample : VD0618SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:47:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	943015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1142883	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	914078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	513495	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	393713	41.76	ug/l	0.00
Spiked Amount						
			Recovery	=	83.52%	
35) Dibromofluoromethane	5.54	113	441510	49.93	ug/l	-0.01
Spiked Amount						
			Recovery	=	99.86%	
50) Toluene-d8	8.70	98	990390	47.11	ug/l	0.00
Spiked Amount						
			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.93	95	437427	47.70	ug/l	0.00
Spiked Amount						
			Recovery	=	95.40%	

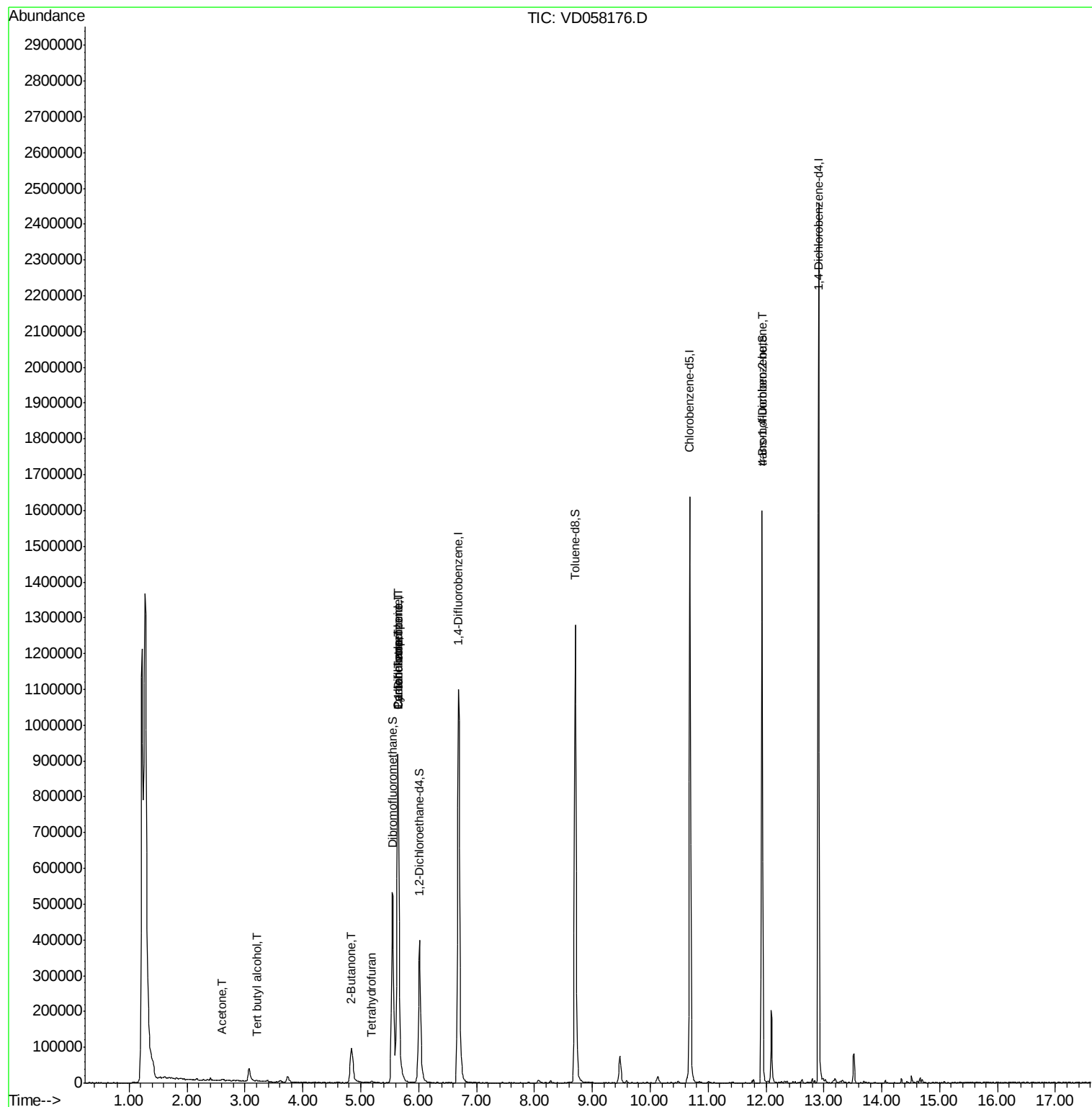
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.20	59	1645	6.513	ug/l #	74
16) Acetone	2.62	43	8167	6.013	ug/l #	57
20) Methylene Chloride	3.07	84	17055	Below Cal		96
25) 2-Butanone	4.85	43	8419	2.727	ug/l #	64
29) Tetrahydrofuran	5.19	42	3443	2.128	ug/l #	81
31) Cyclohexane	5.63	56	22404	1.367	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	75878	6.026	ug/l #	51
38) Carbon Tetrachloride	5.64	117	77371	6.235	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	206735	108.210	ug/l #	6
82) 4-Chlorotoluene	12.33	91	2880	Below Cal		85
89) n-Butylbenzene	13.20	91	2589	Below Cal	#	66

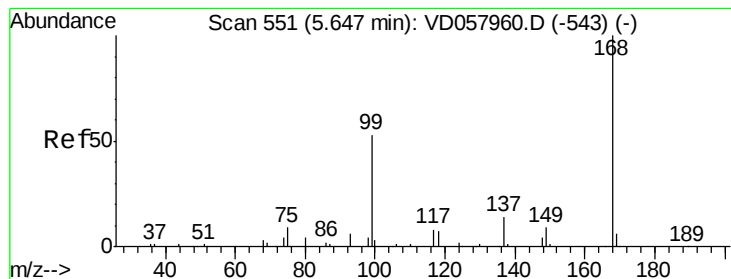
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:47:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

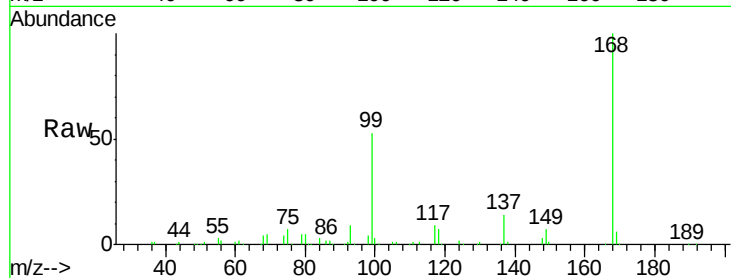
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 943015

Ion Ratio Lower Upper

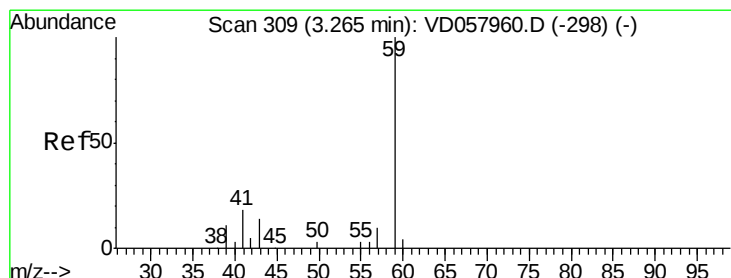
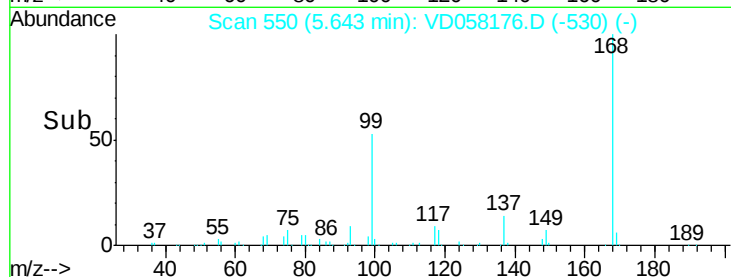
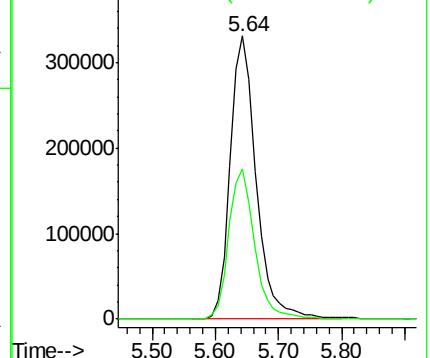
168 100

99 53.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 6.513 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.06 min

Lab File: VD058176.D

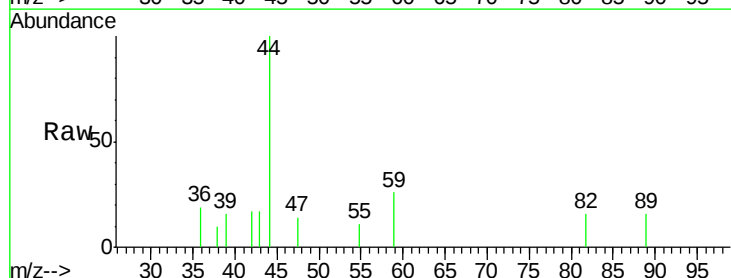
Acq: 18 Jun 2018 12:44

Tgt Ion: 59 Resp: 1645

Ion Ratio Lower Upper

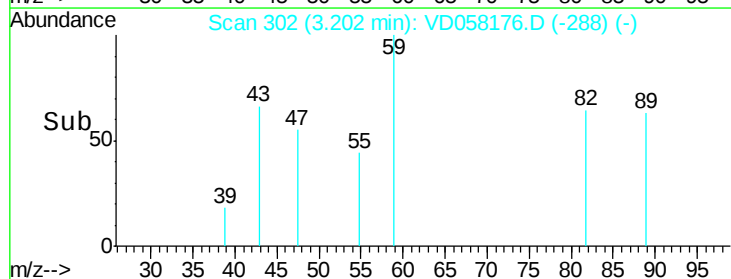
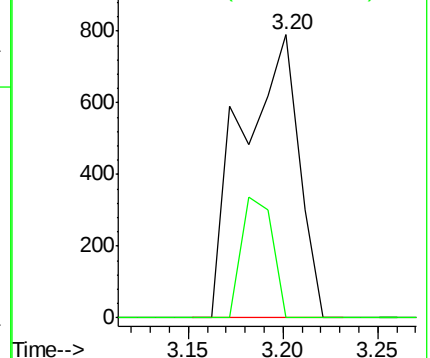
59 100

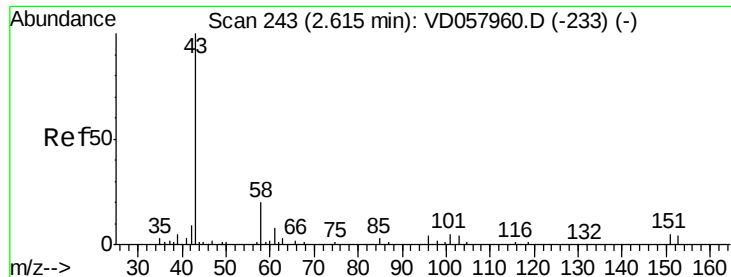
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 6.013 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :

MSVOA_D

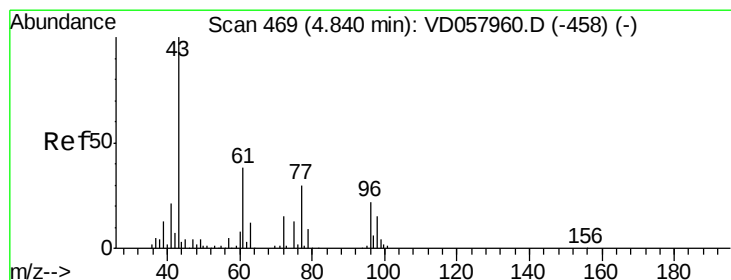
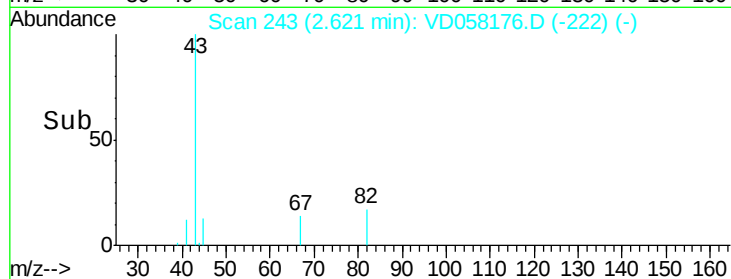
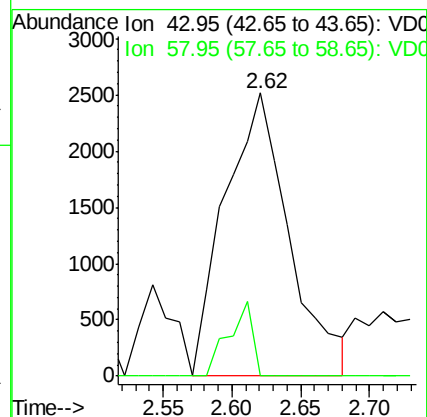
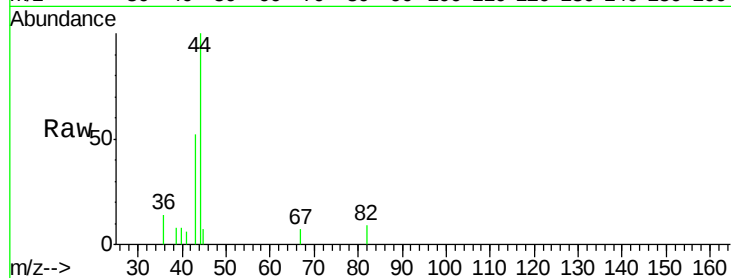
ClientSampleId :

Tot Ion: 43 Resp: 8167

Ion Ratio Lower Upper

43 100

58 0.0 15.8 23.8#



#25

2-Butanone

Concen: 2.727 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD058176.D

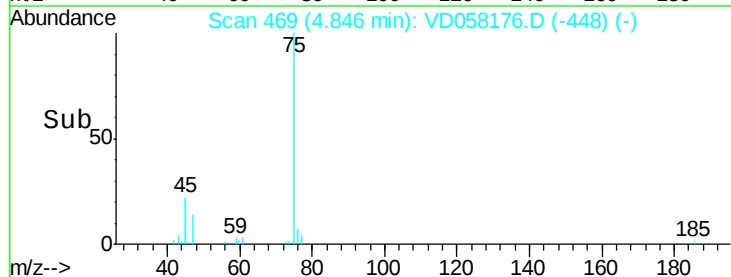
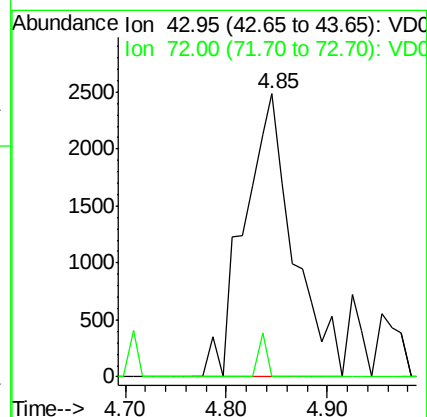
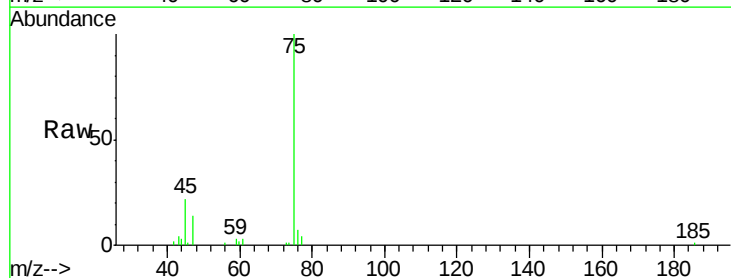
Acq: 18 Jun 2018 12:44

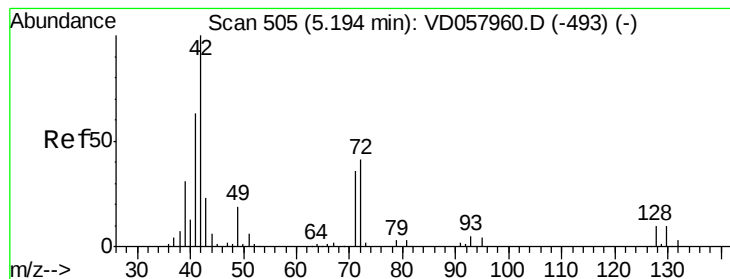
Tgt Ion: 43 Resp: 8419

Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#





#29

Tetrahydrofuran

Concen: 2.128 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

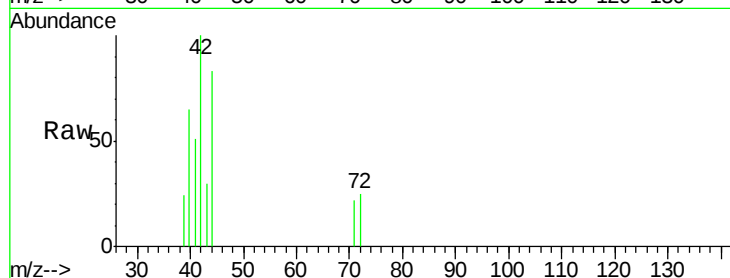
Tot Ion: 42 Resp: 3443

Ion Ratio Lower Upper

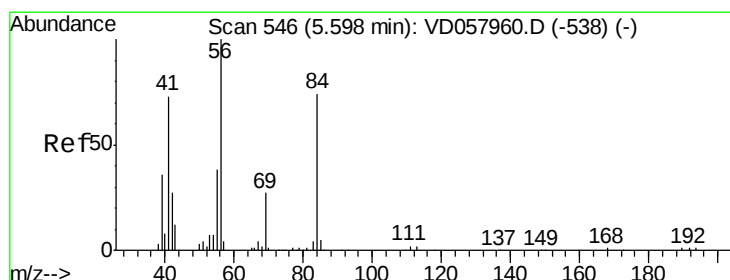
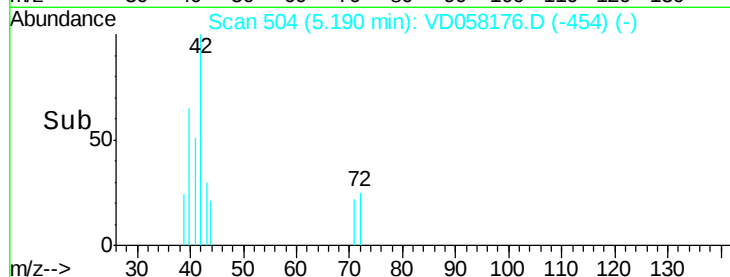
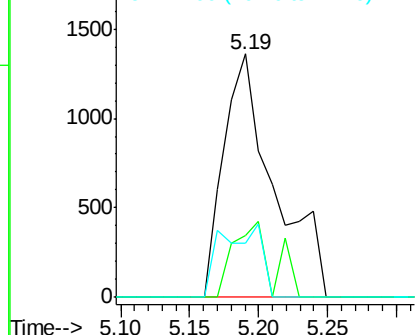
42 100

72 24.1 28.5 42.7#

71 24.0 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.367 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.04 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

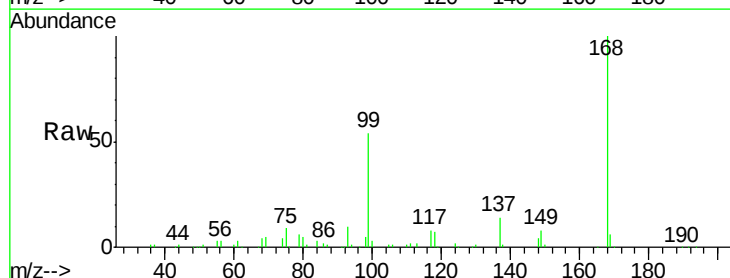
Tgt Ion: 56 Resp: 22404

Ion Ratio Lower Upper

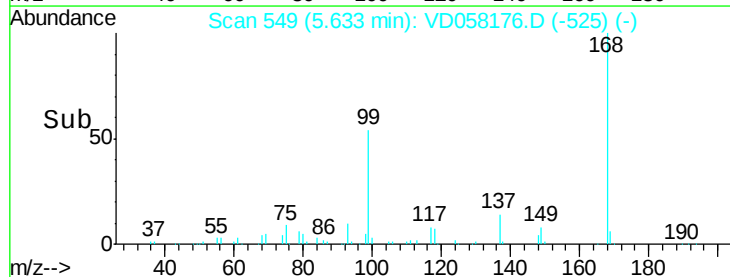
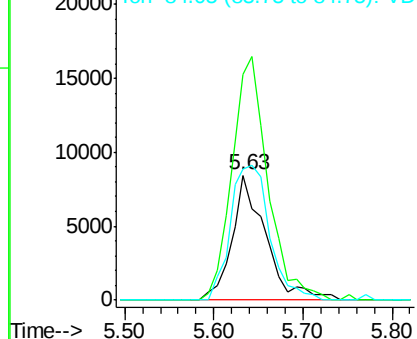
56 100

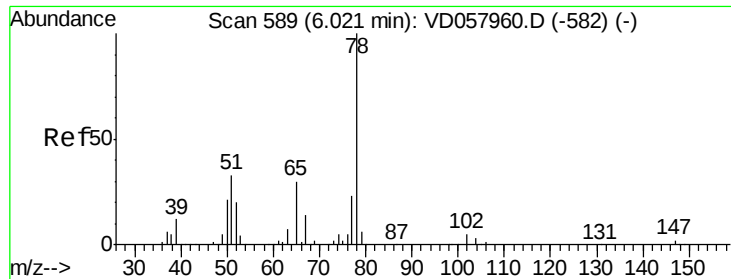
69 180.1 21.5 32.3#

84 104.9 61.0 91.6#



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: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :

MSVOA_D

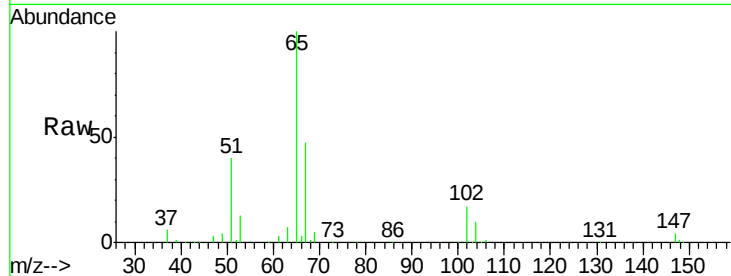
ClientSampleId :

Tot Ion: 65 Resp: 393713

Ion Ratio Lower Upper

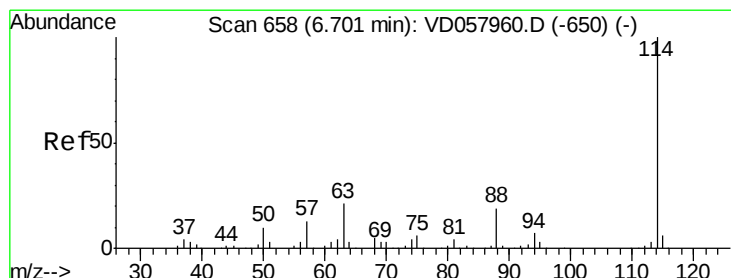
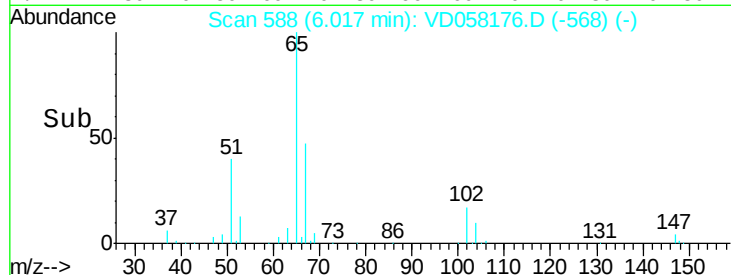
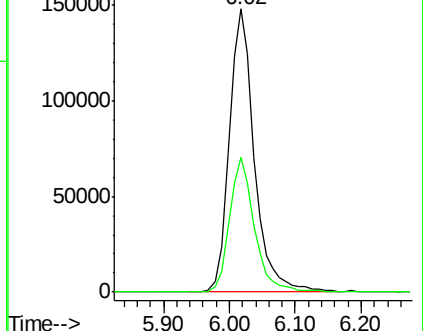
65 100

67 47.5 0.0 94.0



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: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

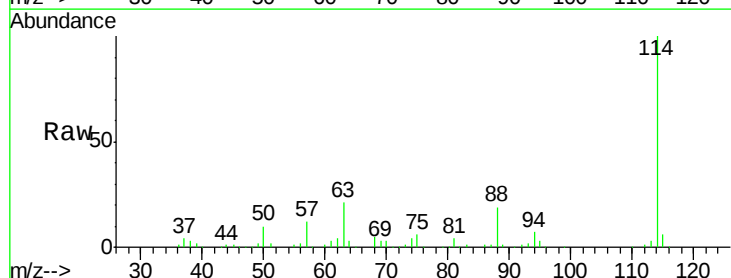
Tgt Ion: 114 Resp: 1142883

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

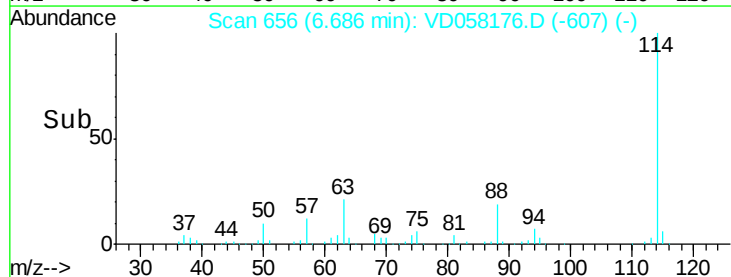
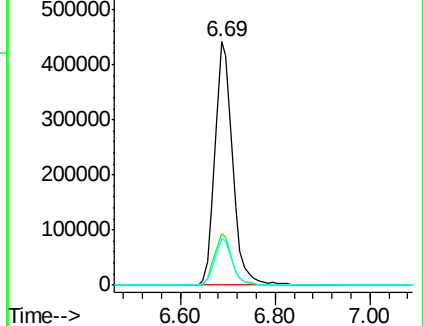
88 19.1 0.0 37.8

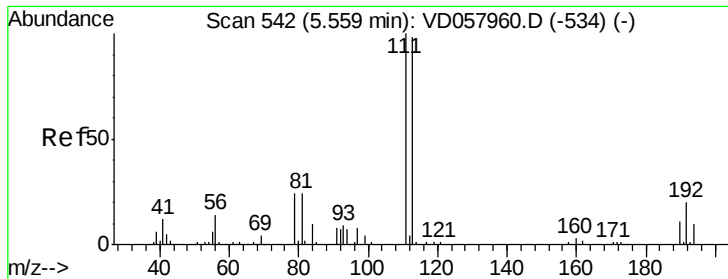


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

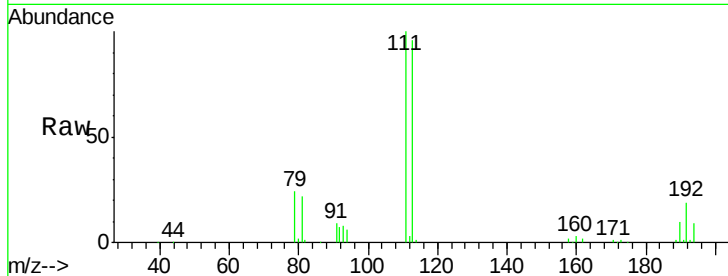
Tot Ion:113 Resp: 441510

Ion Ratio Lower Upper

113 100

111 104.5 81.5 122.3

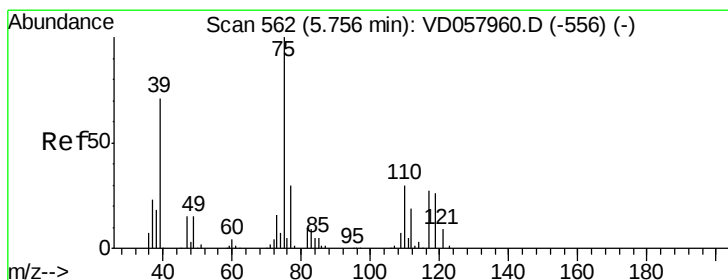
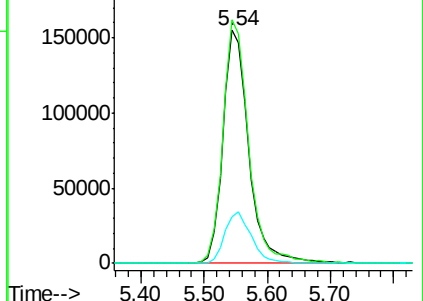
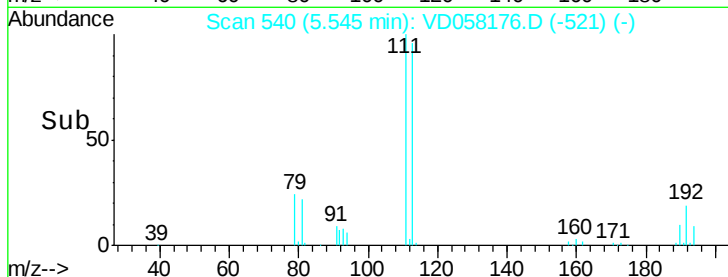
192 20.2 16.4 24.6



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: 6.026 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

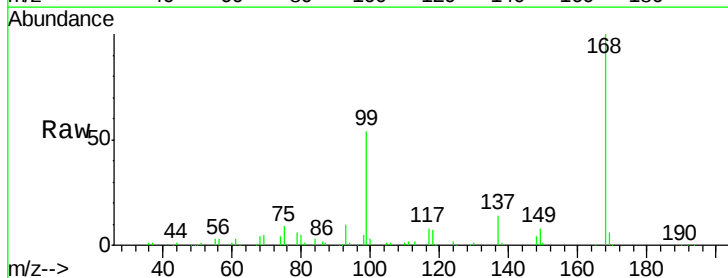
Tgt Ion: 75 Resp: 75878

Ion Ratio Lower Upper

75 100

110 6.4 14.8 44.3#

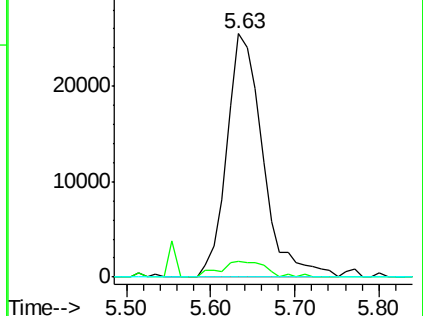
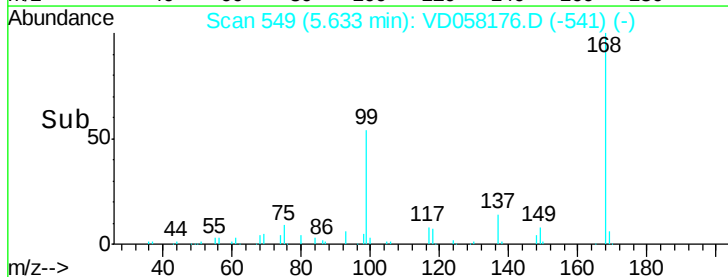
77 0.0 23.9 35.9#

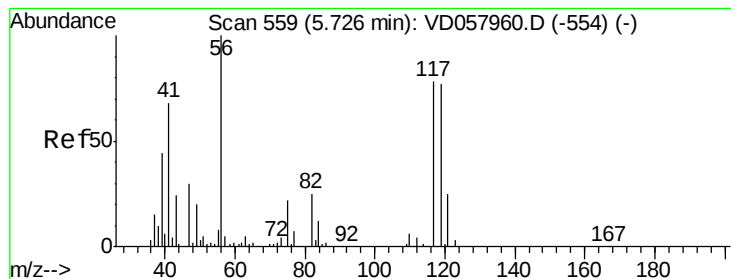


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.235 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :

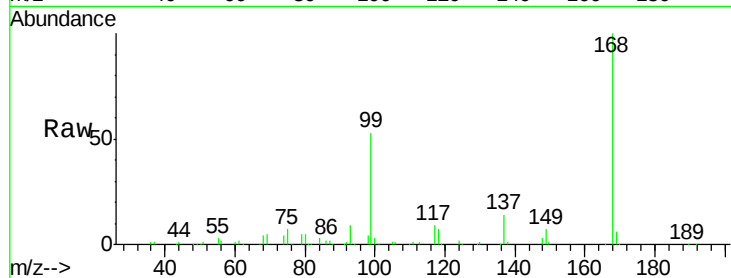
Tot Ion:117 Resp: 77371

Ion Ratio Lower Upper

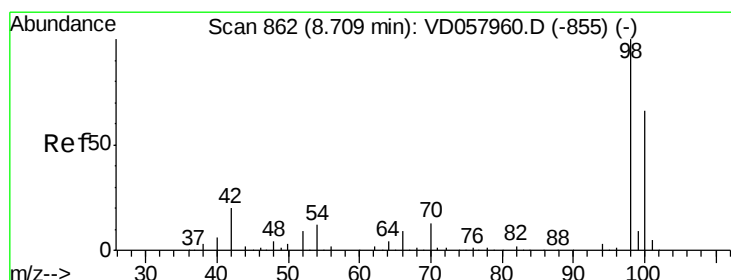
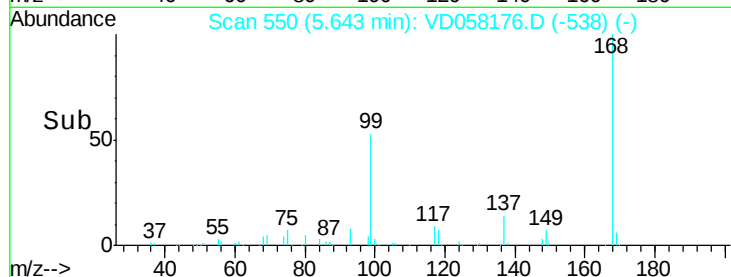
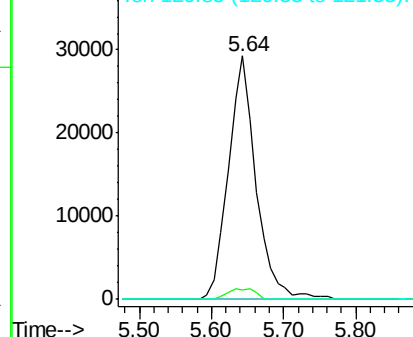
117 100

119 3.7 76.1 114.1#

121 0.0 24.9 37.3#



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: 8.70 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD058176.D

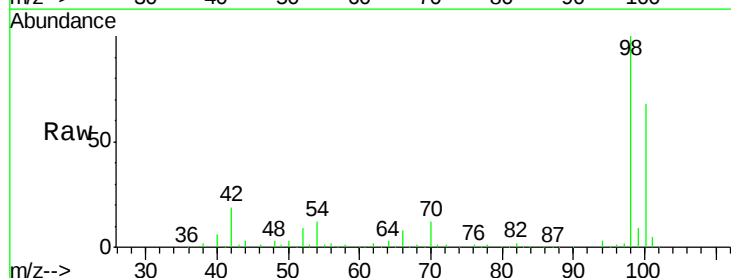
Acq: 18 Jun 2018 12:44

Tgt Ion: 98 Resp: 990390

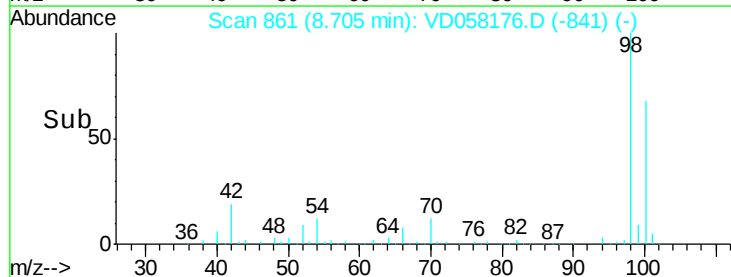
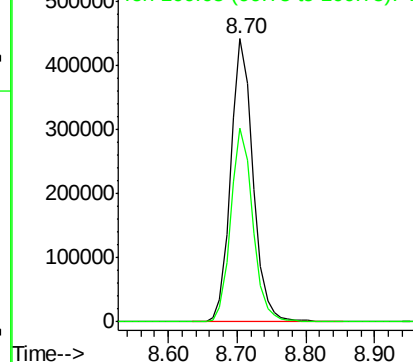
Ion Ratio Lower Upper

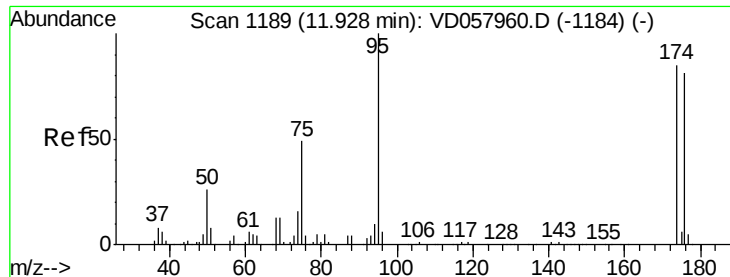
98 100

100 68.4 53.4 80.0



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: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

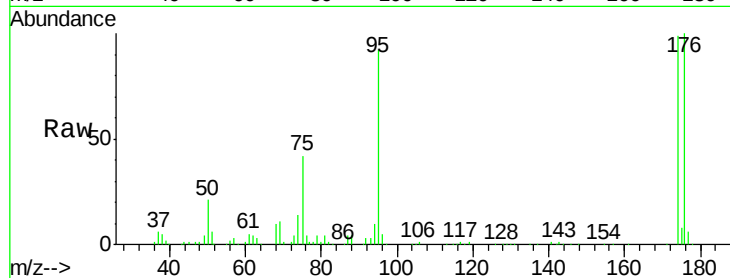
Tot Ion: 95 Resp: 437427

Ion Ratio Lower Upper

95 100

174 107.5 0.0 169.4

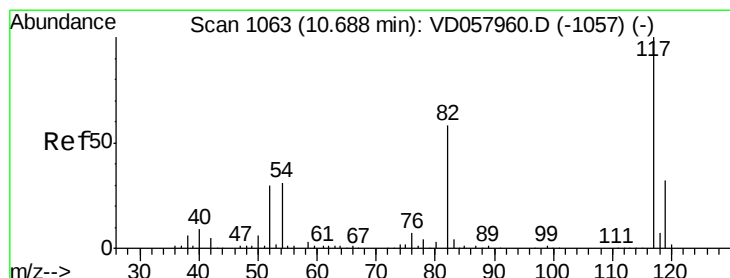
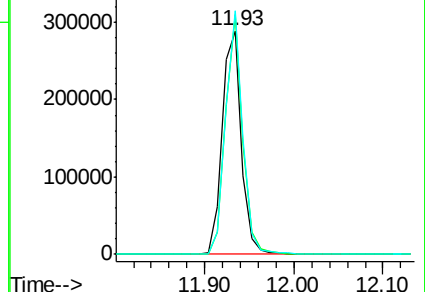
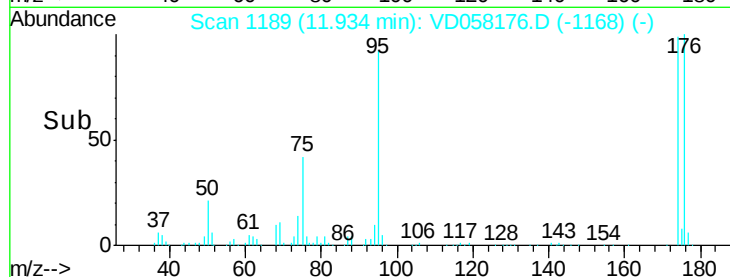
176 109.1 0.0 162.6



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: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

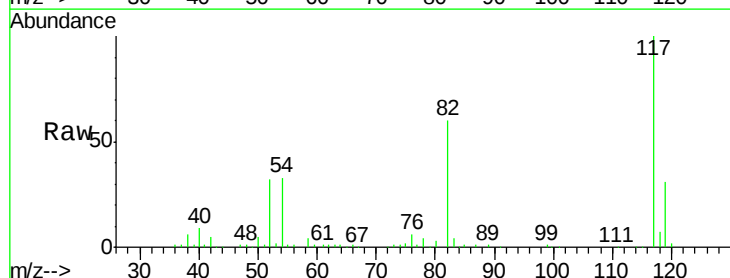
Tgt Ion: 117 Resp: 914078

Ion Ratio Lower Upper

117 100

82 60.3 46.8 70.2

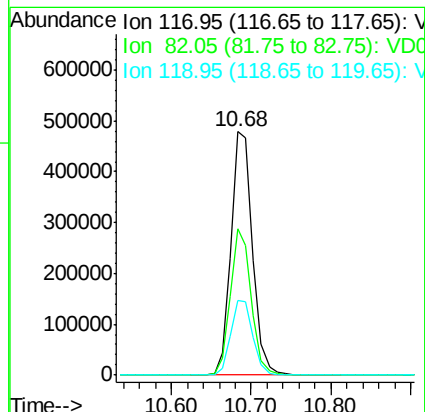
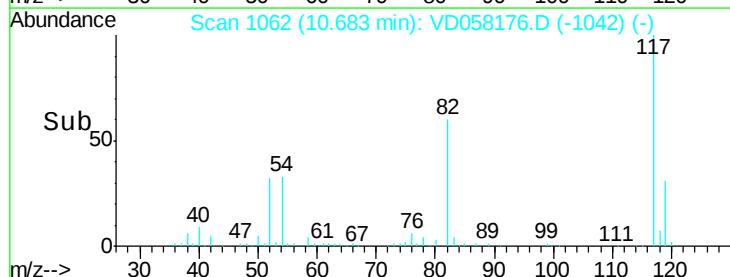
119 30.8 25.8 38.6

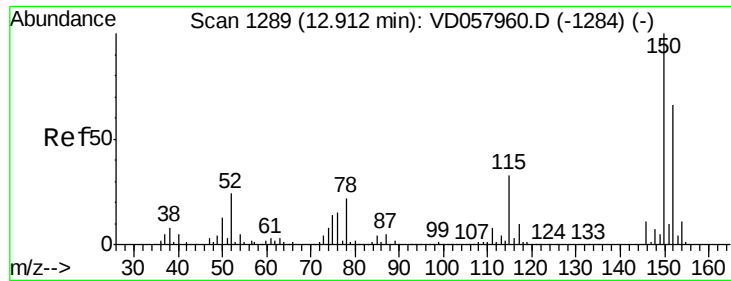


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1288

Delta R.T. -0.00 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

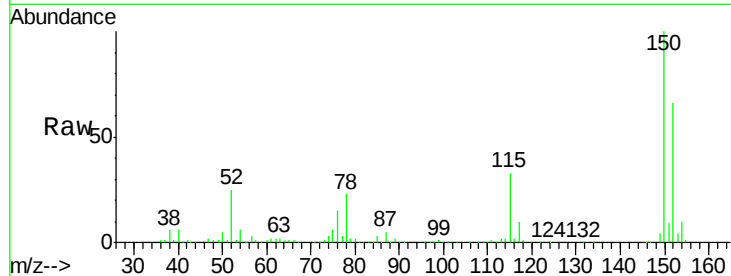
Tot Ion:152 Resp: 513495

Ion Ratio Lower Upper

152 100

115 50.7 25.6 76.6

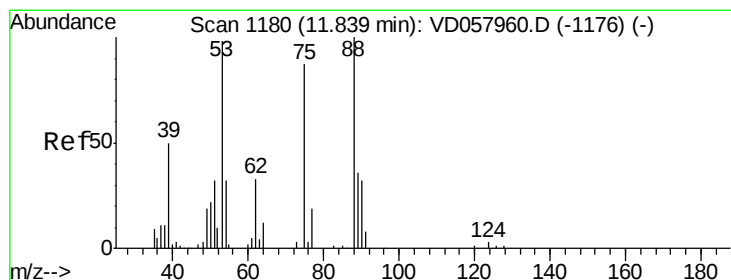
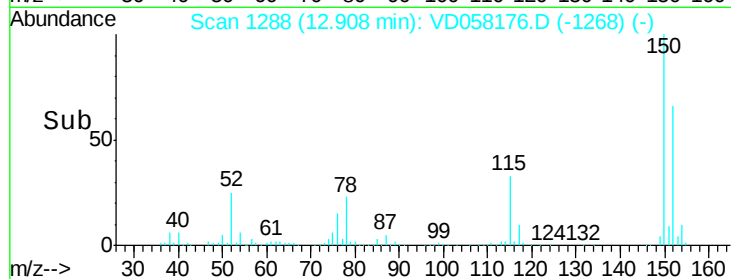
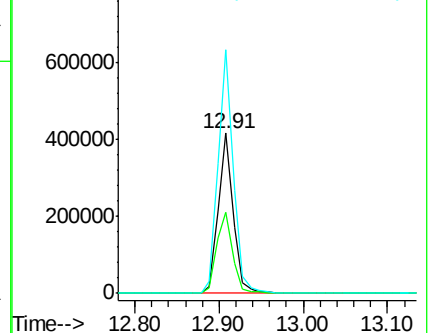
150 152.1 0.0 306.8



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: 108.210 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058176.D

Acq: 18 Jun 2018 12:44

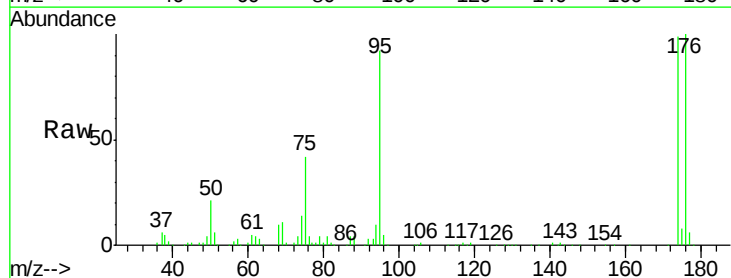
Tgt Ion: 75 Resp: 206735

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

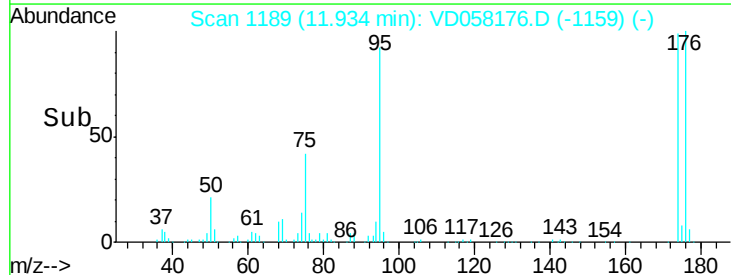
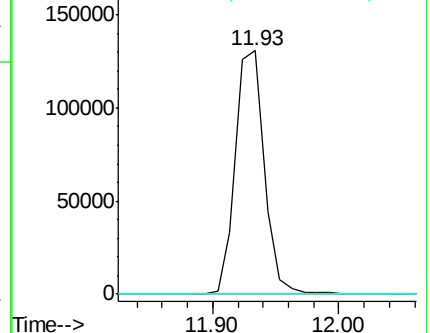
89 0.0 33.3 49.9#

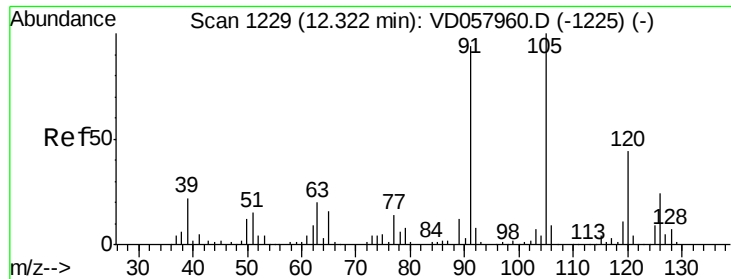


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

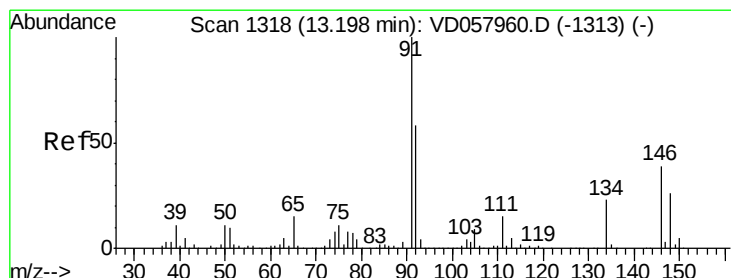
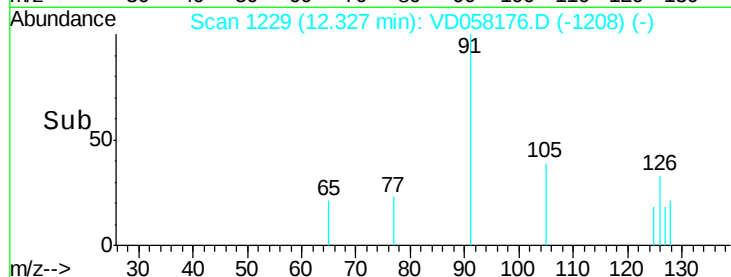
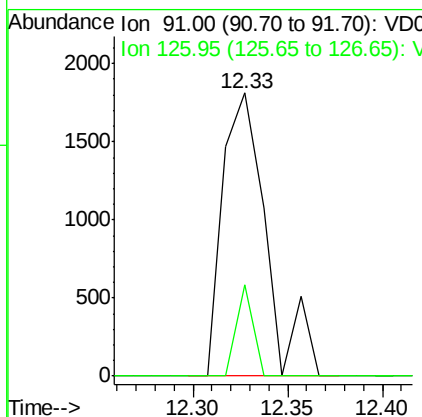
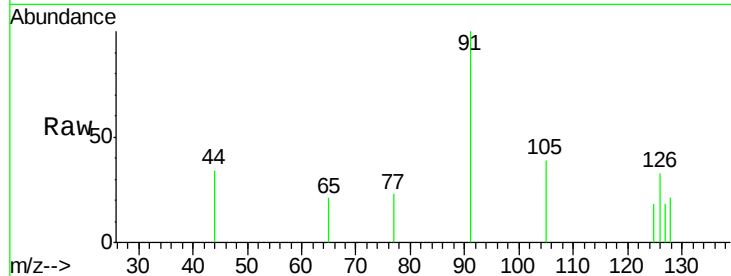




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VD058176.D
Acq: 18 Jun 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 2880
Ion Ratio Lower Upper
91 100
126 32.5 12.5 37.5



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058176.D
Acq: 18 Jun 2018 12:44

Tgt Ion: 91 Resp: 2589
Ion Ratio Lower Upper
91 100
92 37.2 29.2 87.6
134 0.0 11.3 33.9#

