

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058157.D
 Acq On : 15 Jun 2018 17:35
 Operator : VA/AP
 Sample : J3523-06
 Misc : 4.17g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA2(S)

Quant Time: Jun 15 23:50:00 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	648629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	837554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	633060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	246512	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	399914	61.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.34%	
35) Dibromofluoromethane	5.55	113	170573	26.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	52.64%	
50) Toluene-d8	8.71	98	905288	58.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.52%	
62) 4-Bromofluorobenzene	11.93	95	324196	48.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.48%	

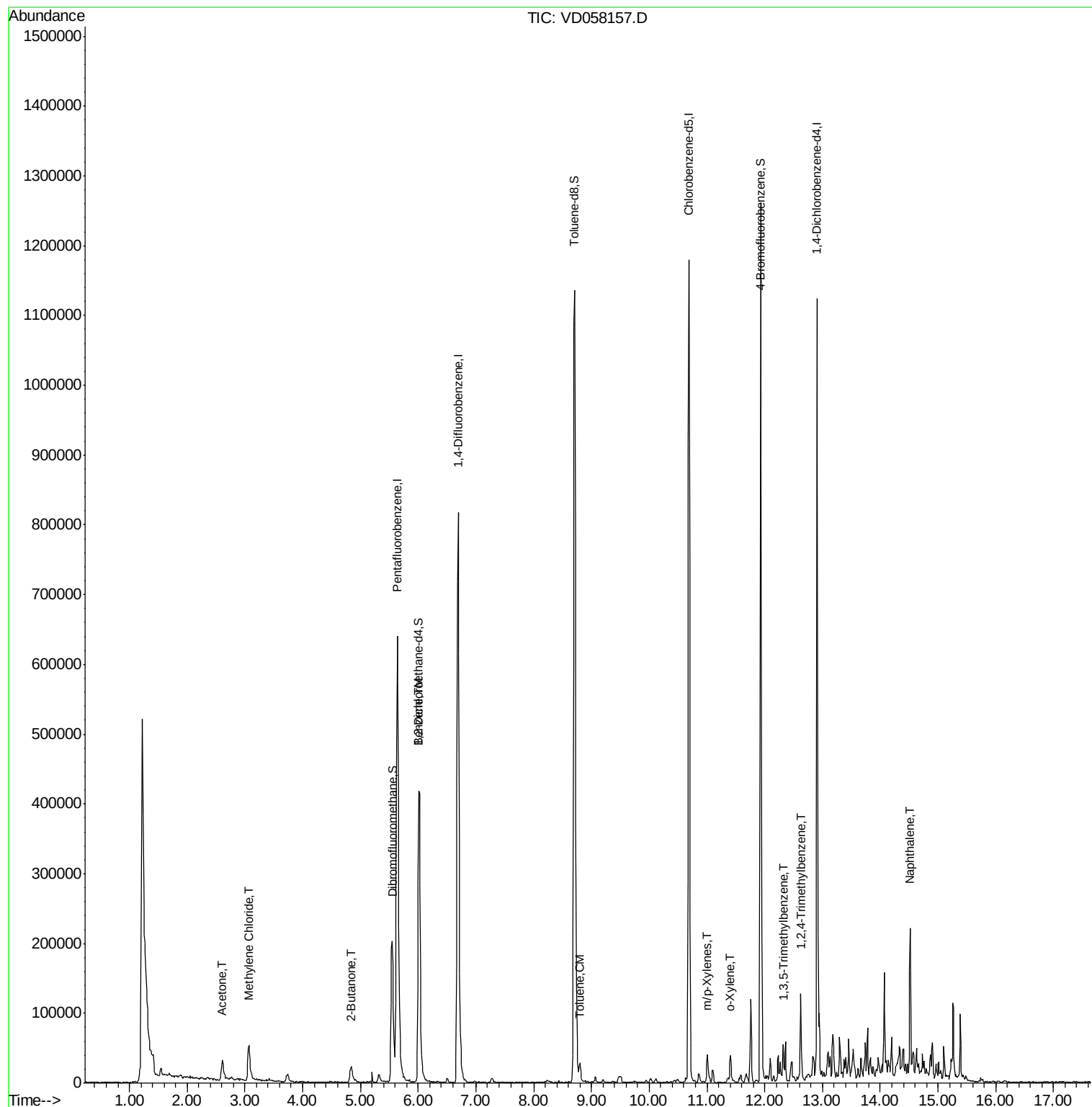
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	59917	64.133	ug/l	96
20) Methylene Chloride	3.07	84	27568	5.327	ug/l	88
25) 2-Butanone	4.84	43	17094	8.051	ug/l	97
40) Benzene	6.01	78	26341	1.222	ug/l	99
52) Toluene	8.80	92	12564	1.016	ug/l	86
68) m/p-Xylenes	11.00	106	11860	1.571	ug/l	85
69) o-Xylene	11.41	106	7908	1.055	ug/l	75
80) 1,3,5-Trimethylbenzene	12.32	105	23369	1.835	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	55492	4.053	ug/l	93
95) Naphthalene	14.52	128	110495	13.884	ug/l	99

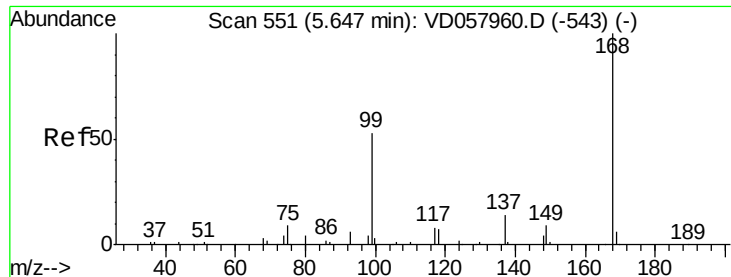
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058157.D
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Misc : 4.17g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AREA2(S)

Quant Time: Jun 15 23:50:00 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. -0.01 min

Lab File: VD058157.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

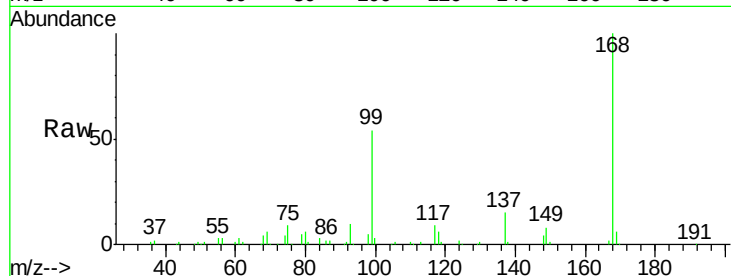
AREA2(S)

Tot Ion:168 Resp: 648629

Ion Ratio Lower Upper

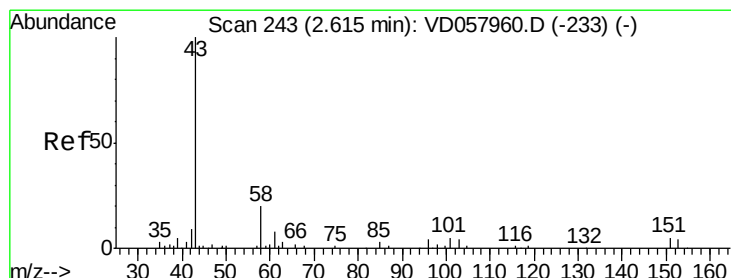
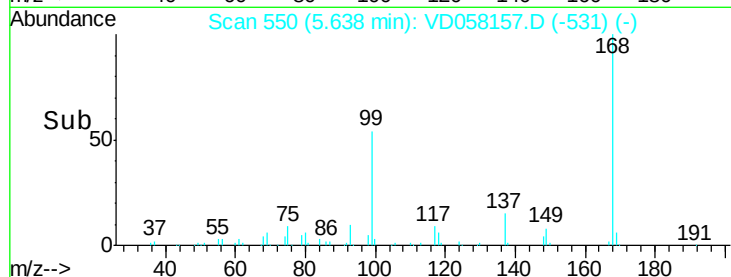
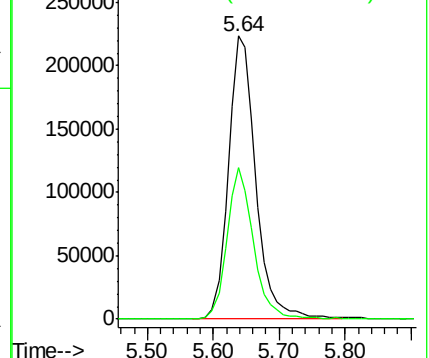
168 100

99 53.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 64.133 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058157.D

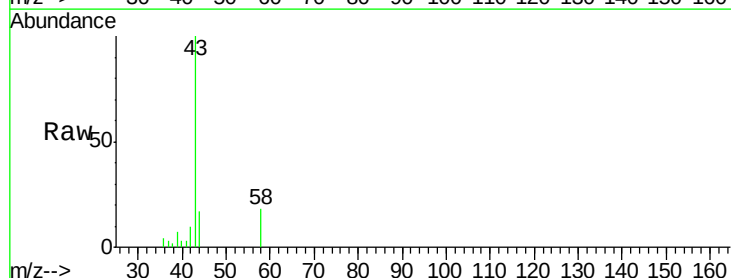
Acq: 15 Jun 2018 17:35

Tgt Ion: 43 Resp: 59917

Ion Ratio Lower Upper

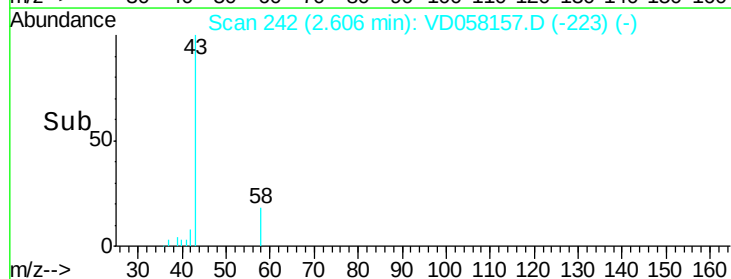
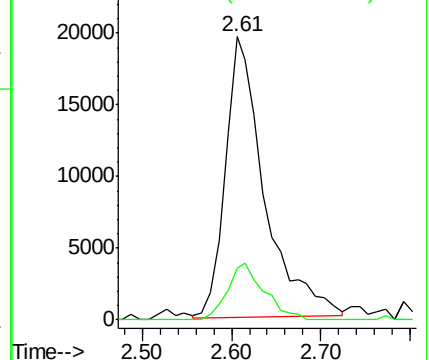
43 100

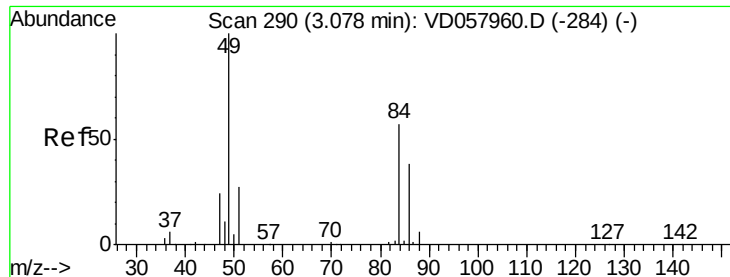
58 18.1 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

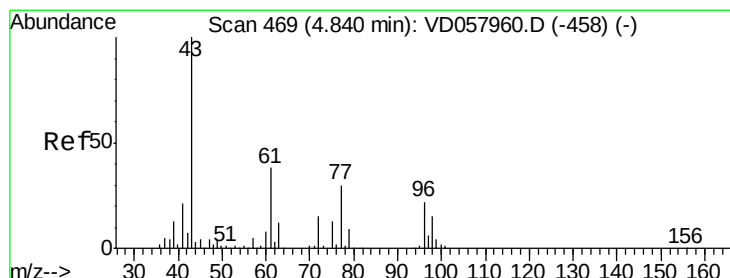
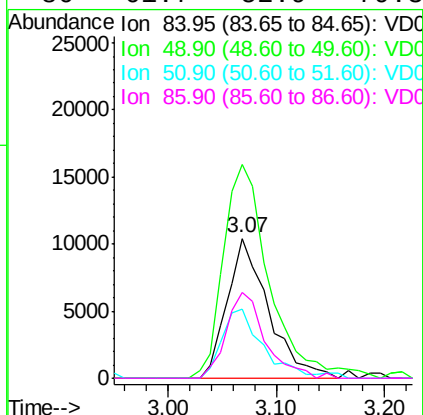
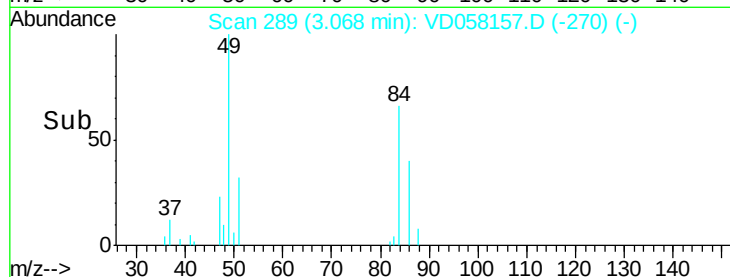
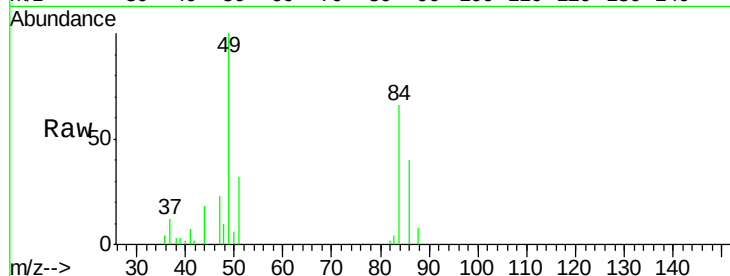




#20
Methvlene Chloride
Concen: 5.327 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058157.D
Acq: 15 Jun 2018 17:35

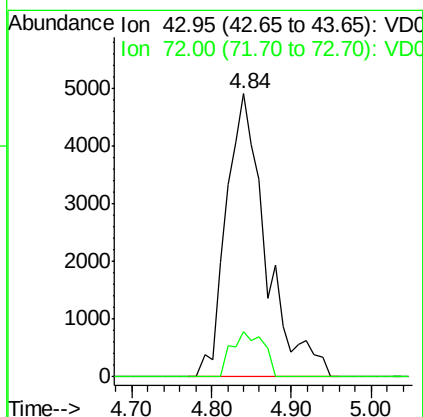
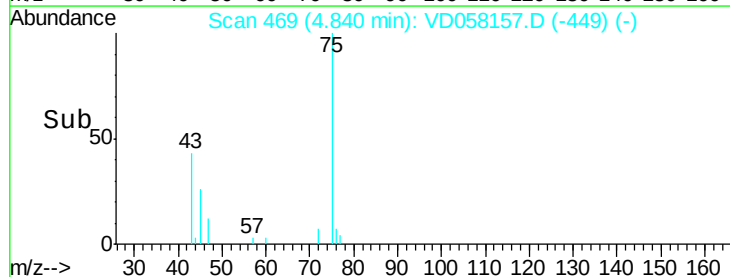
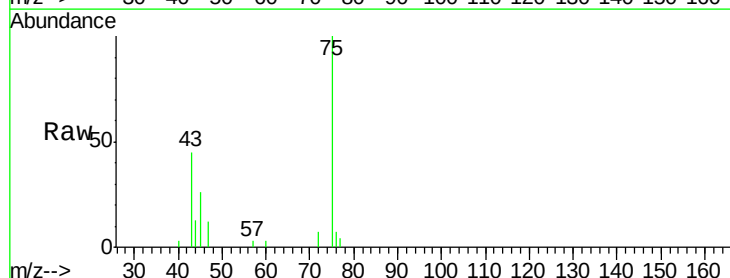
Instrument :
MSVOA_D
ClientSampleId :
AREA2(S)

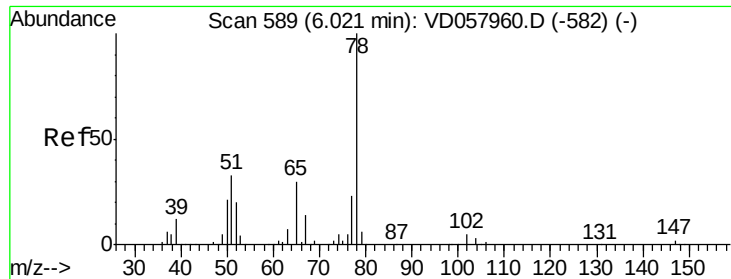
Tot Ion: 84 Resp: 27568
Ion Ratio Lower Upper
84 100
49 152.4 141.4 212.0
51 49.0 38.3 57.5
86 61.7 52.9 79.3



#25
2-Butanone
Concen: 8.051 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD058157.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 43 Resp: 17094
Ion Ratio Lower Upper
43 100
72 16.2 12.0 18.0

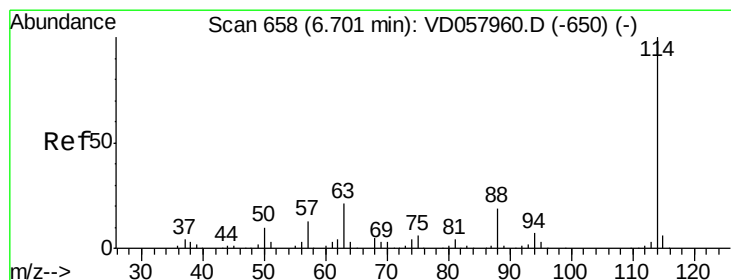
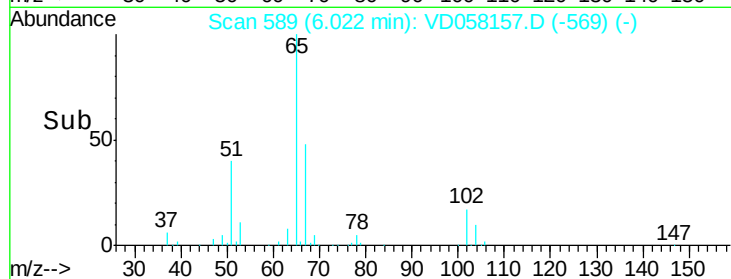
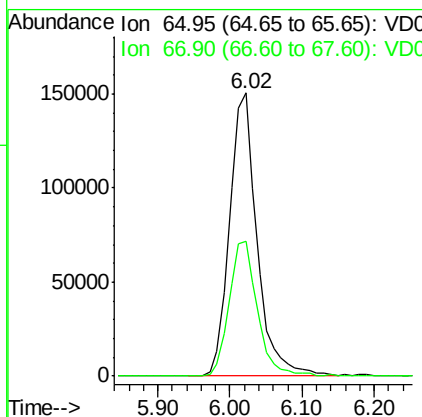
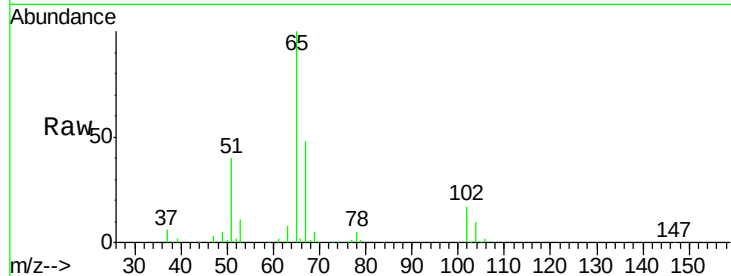




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD058157.D
 Acq: 15 Jun 2018 17:35

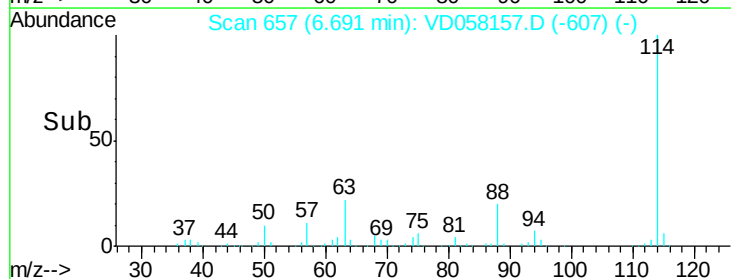
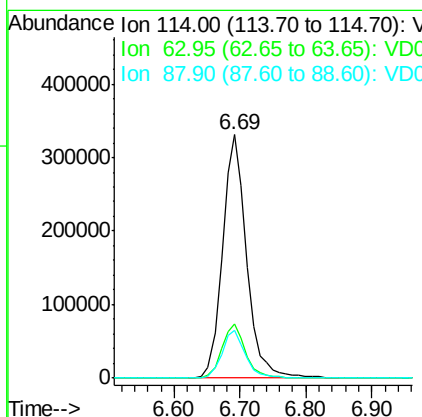
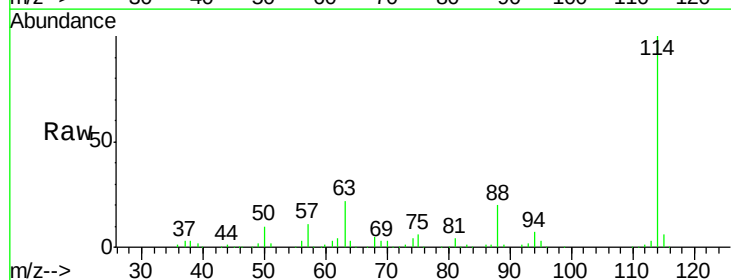
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA2(S)

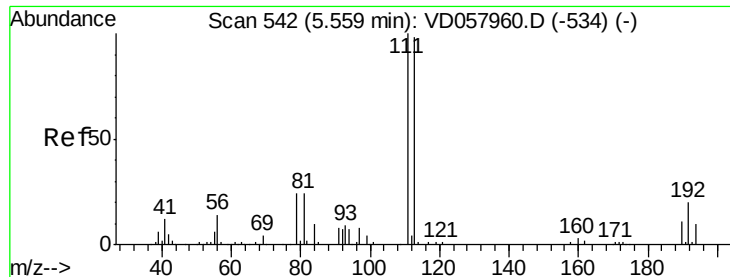
Tot Ion: 65 Resp: 399914
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058157.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 114 Resp: 837554
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.8
 88 19.7 0.0 37.8

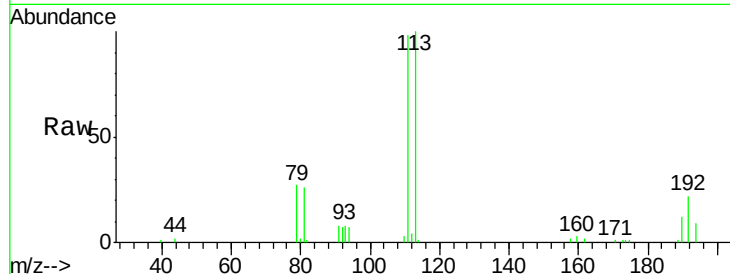




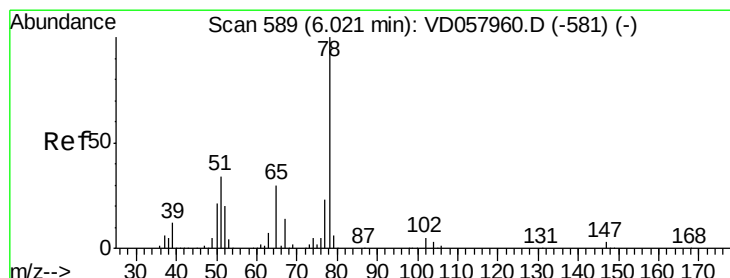
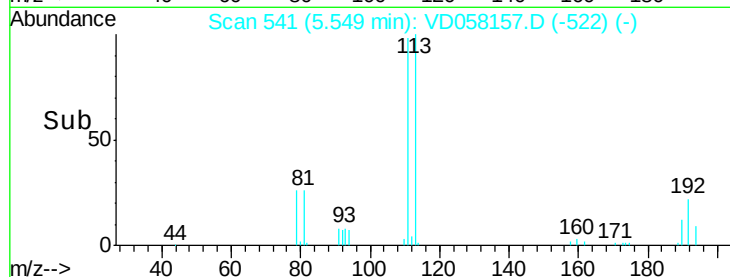
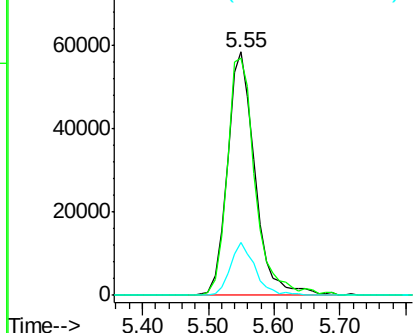
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058157.D
 Acq: 15 Jun 2018 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA2(S)

Tot Ion:113 Resp: 170573
 Ion Ratio Lower Upper
 113 100
 111 97.7 81.5 122.3
 192 21.7 16.4 24.6

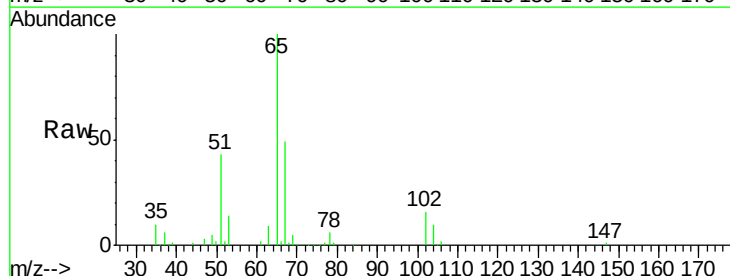


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

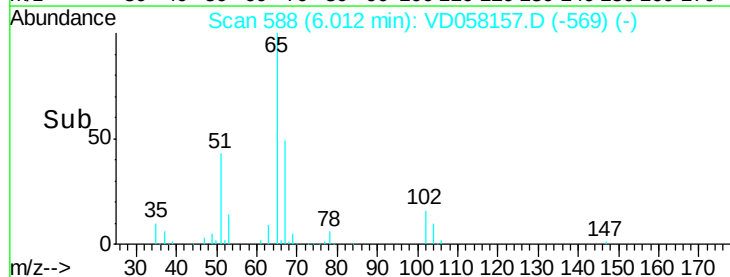
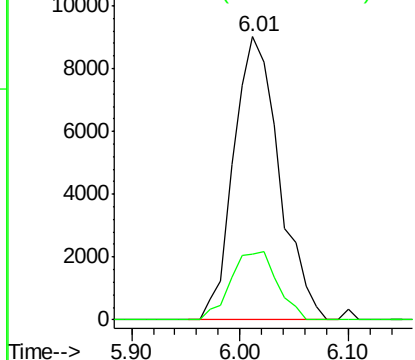


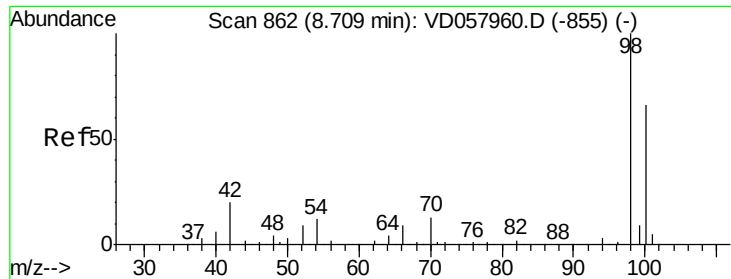
#40
 Benzene
 Concen: 1.222 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058157.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 78 Resp: 26341
 Ion Ratio Lower Upper
 78 100
 77 23.0 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
 Ion 76.95 (76.65 to 77.65): VDC

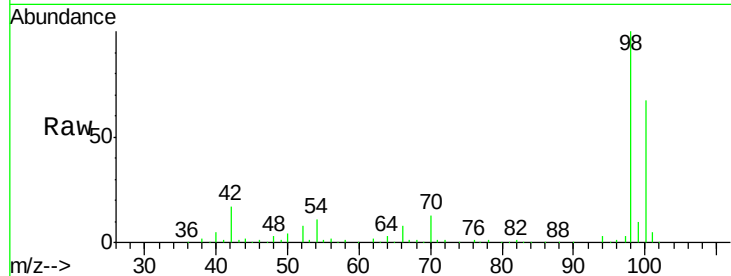




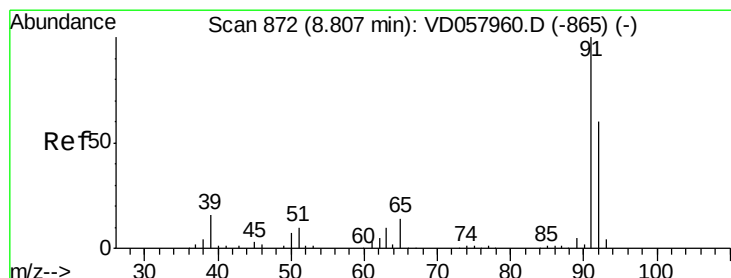
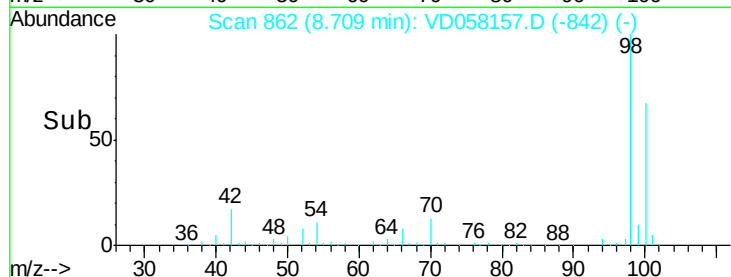
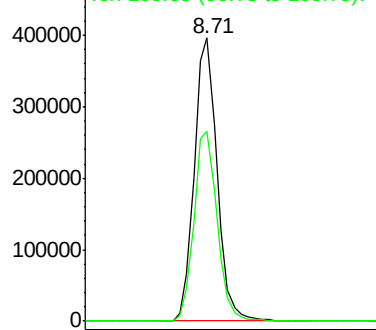
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058157.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_D
ClientSampleId :
AREA2(S)

Tot Ion: 98 Resp: 905288
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.0

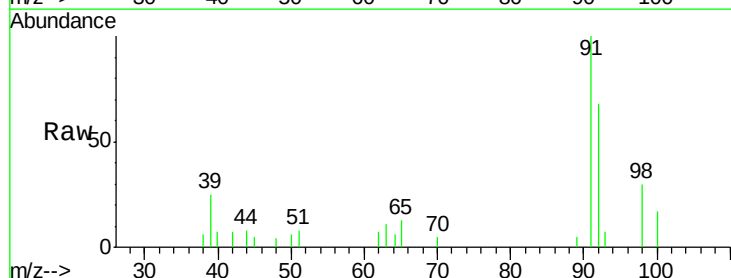


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

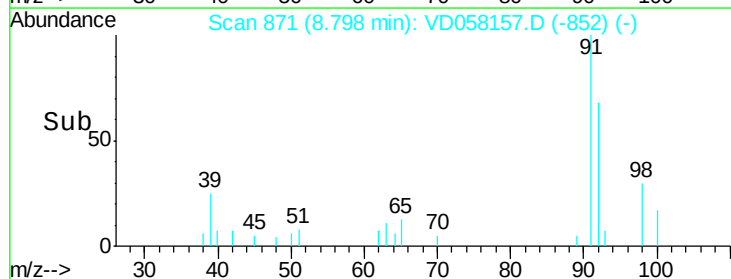
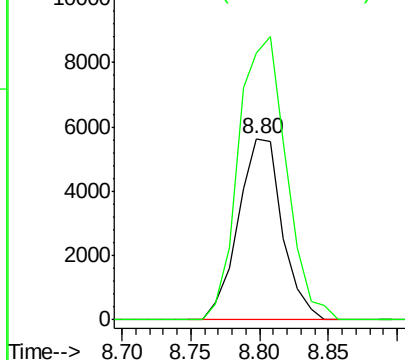


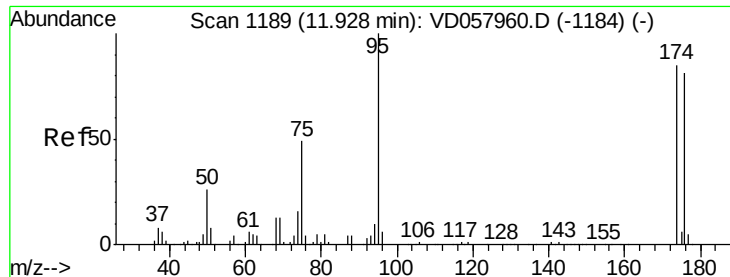
#52
Toluene
Concen: 1.016 ug/l
RT: 8.80 min Scan# 871
Delta R.T. -0.01 min
Lab File: VD058157.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 92 Resp: 12564
Ion Ratio Lower Upper
92 100
91 146.9 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058157.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

AREA2(S)

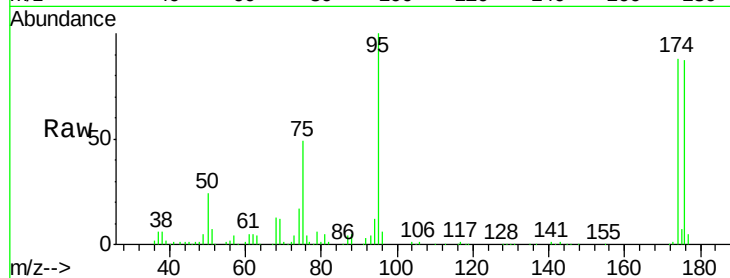
Tot Ion: 95 Resp: 324196

Ion Ratio Lower Upper

95 100

174 87.9 0.0 169.4

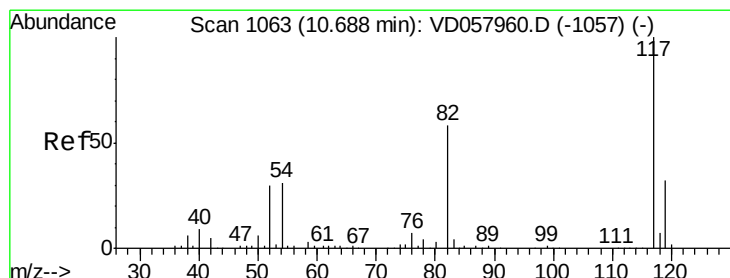
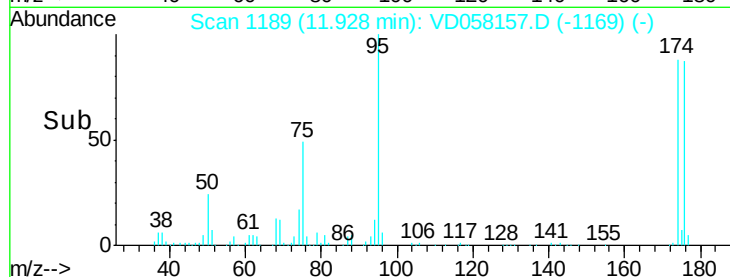
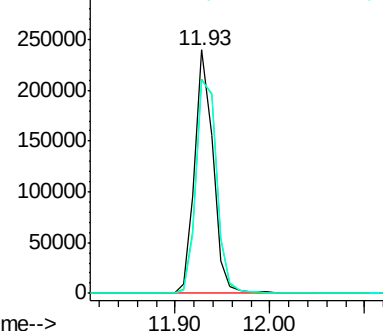
176 87.2 0.0 162.6



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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058157.D

Acq: 15 Jun 2018 17:35

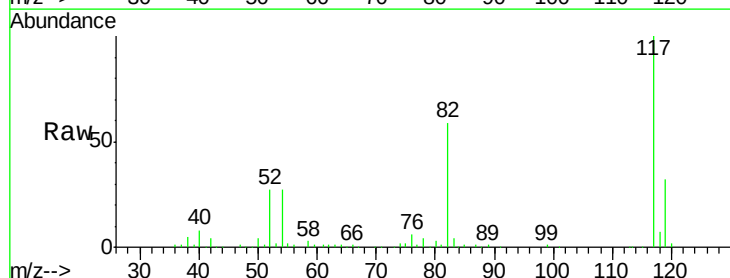
Tgt Ion: 117 Resp: 633060

Ion Ratio Lower Upper

117 100

82 59.0 46.8 70.2

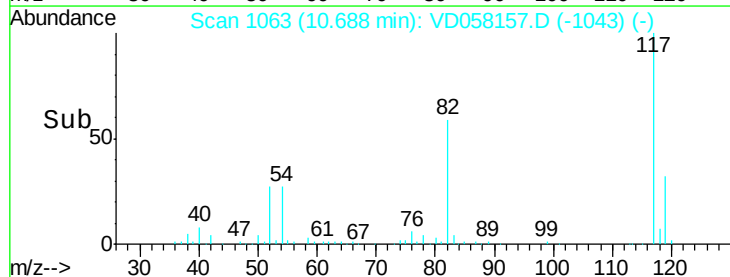
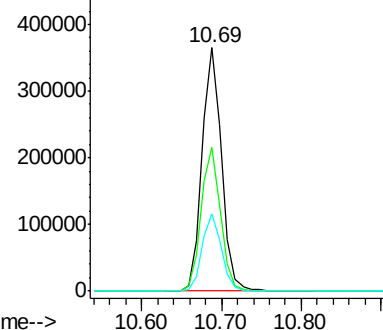
119 31.7 25.8 38.6

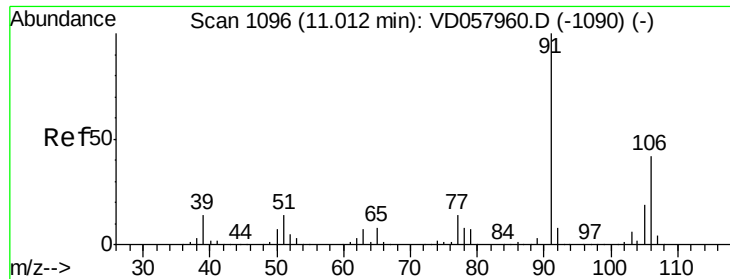


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

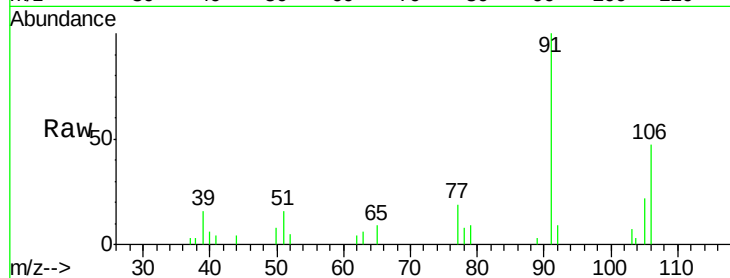




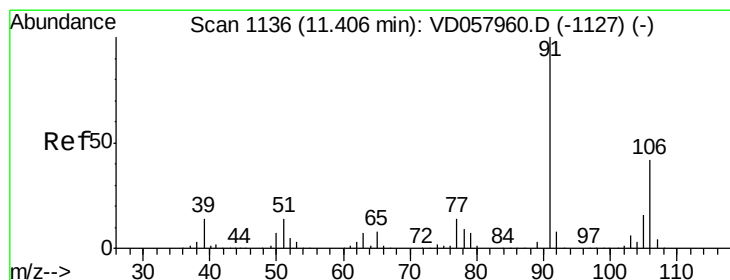
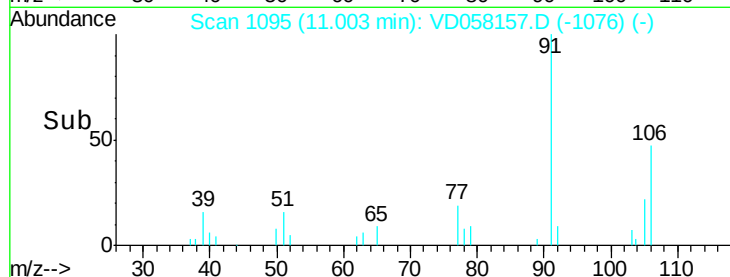
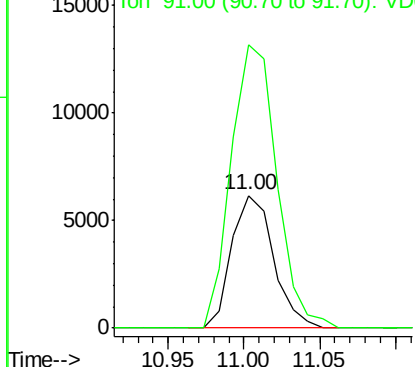
#68
m/p-Xylenes
Concen: 1.571 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058157.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_D
ClientSampleId :
AREA2(S)

Tot Ion:106 Resp: 11860
Ion Ratio Lower Upper
106 100
91 213.2 190.4 285.6

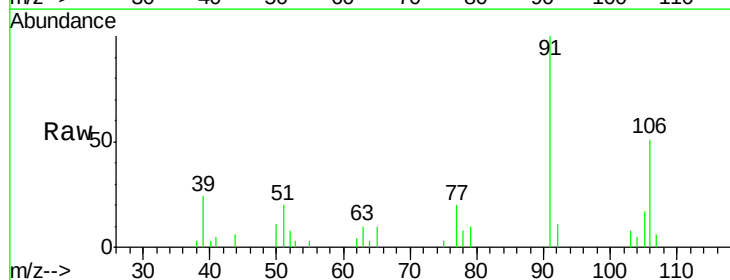


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

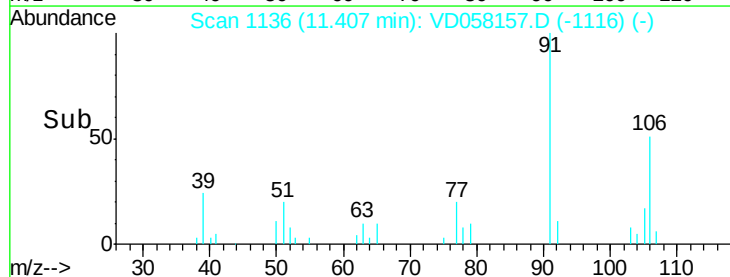
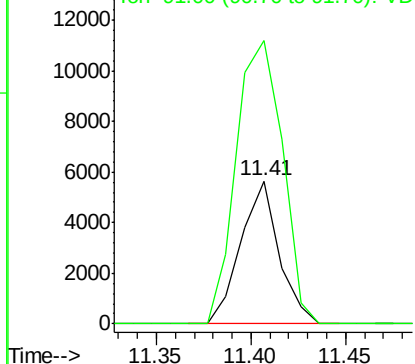


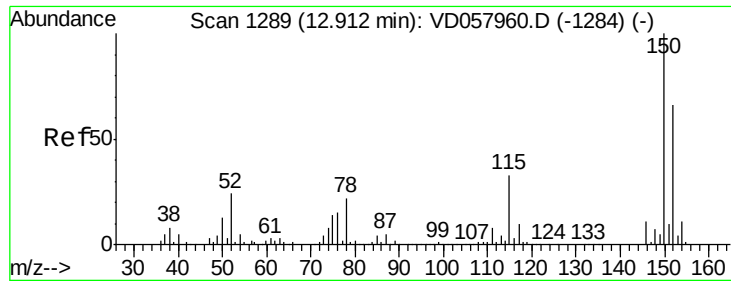
#69
o-Xylene
Concen: 1.055 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058157.D
Acq: 15 Jun 2018 17:35

Tgt Ion:106 Resp: 7908
Ion Ratio Lower Upper
106 100
91 197.8 120.6 361.7



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058157.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

AREA2(S)

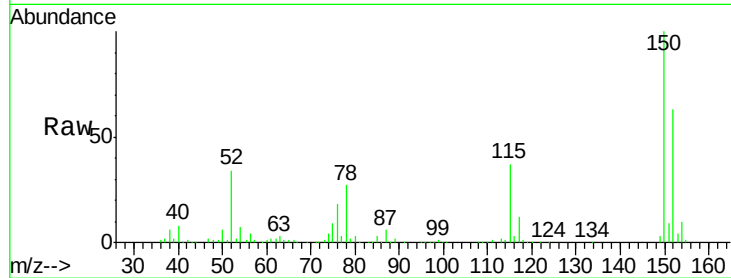
Tot Ion:152 Resp: 246512

Ion Ratio Lower Upper

152 100

115 58.4 25.6 76.6

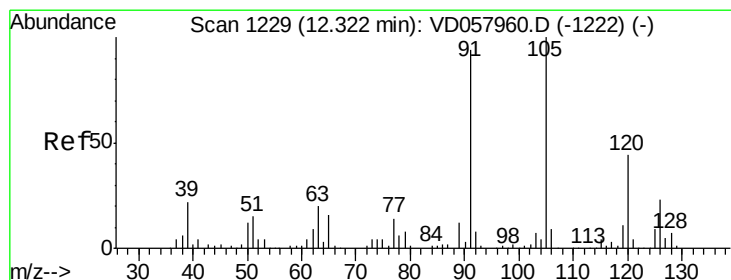
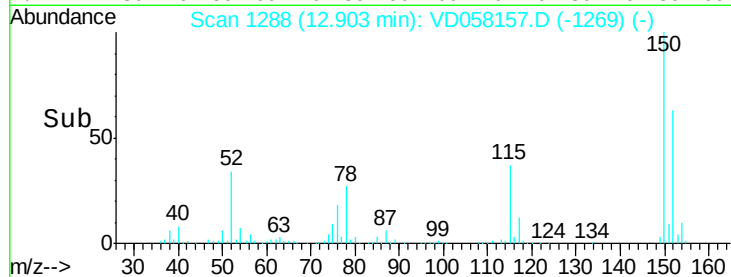
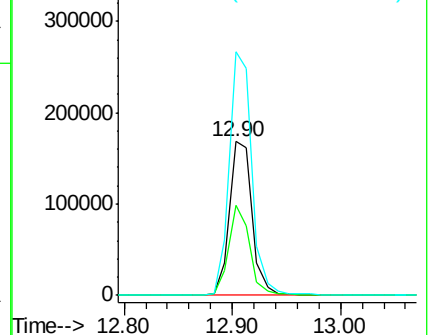
150 158.4 0.0 306.8



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



#80

1,3,5-Trimethylbenzene

Concen: 1.835 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058157.D

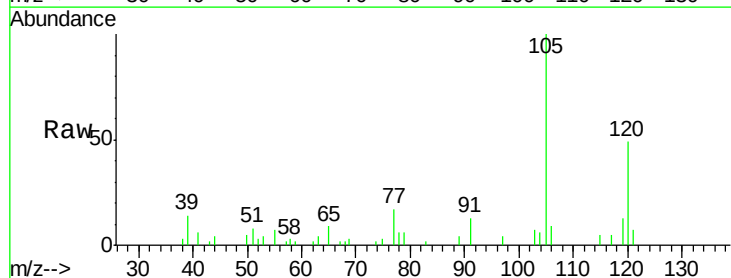
Acq: 15 Jun 2018 17:35

Tgt Ion:105 Resp: 23369

Ion Ratio Lower Upper

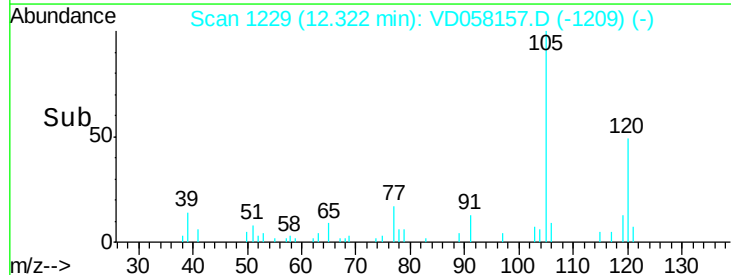
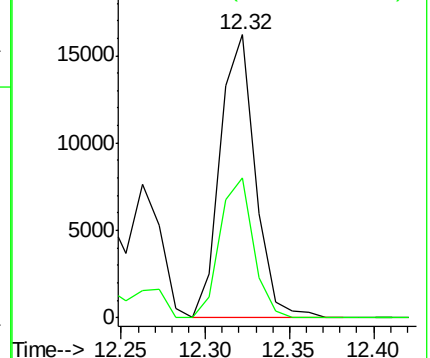
105 100

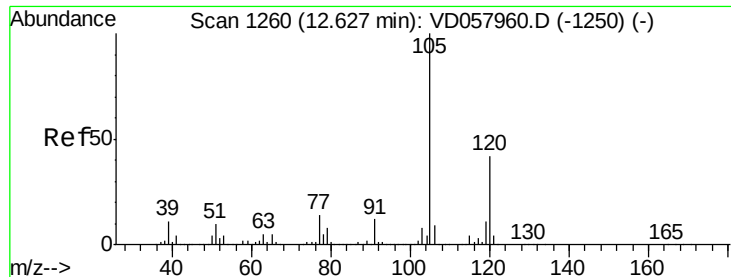
120 49.3 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#84

1,2,4-Trimethylbenzene

Concen: 4.053 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD058157.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_D

ClientSampleId :

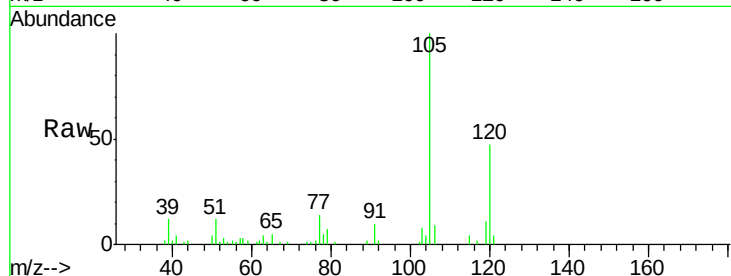
AREA2(S)

Tot Ion:105 Resp: 55492

Ion Ratio Lower Upper

105 100

120 46.9 21.2 63.6

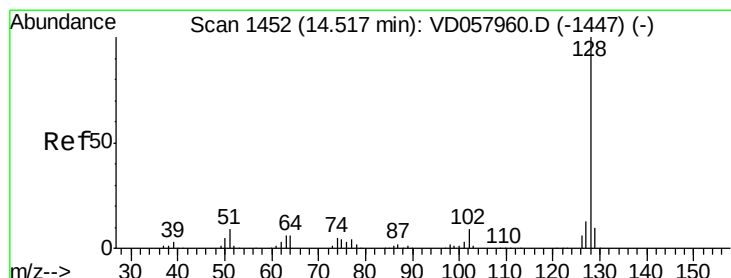
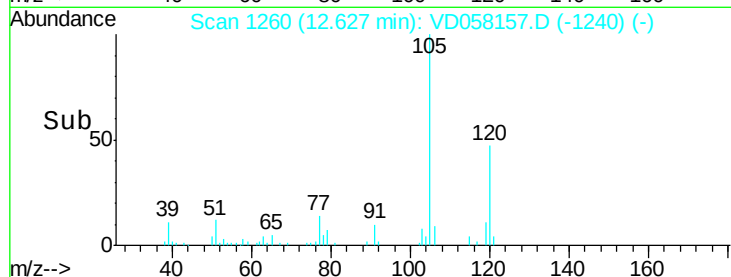


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.63

Time-->



#95

Naphthalene

Concen: 13.884 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058157.D

Acq: 15 Jun 2018 17:35

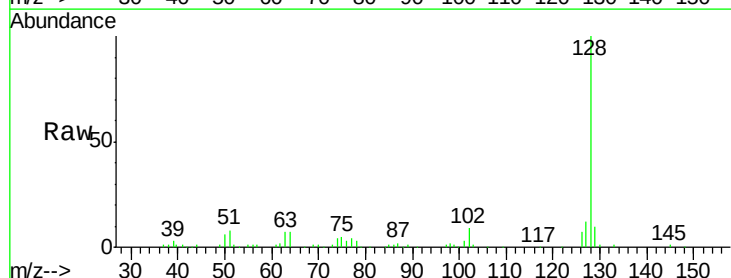
Tgt Ion:128 Resp: 110495

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

129 10.4 8.2 12.2



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

14.52

Time-->

