

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061142.D
 Acq On : 18 Mar 2019 13:47
 Operator : VA/AP
 Sample : K1685-01RE
 Misc : 6.86g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:15:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	557070	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	973720	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	750904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	231554	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	243152	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	6.91	113	401196	55.52	ug/l	-0.02
Spiked Amount			Recovery	=	111.04%	
50) Toluene-d8	10.39	98	863674	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	13.55	95	275707	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	

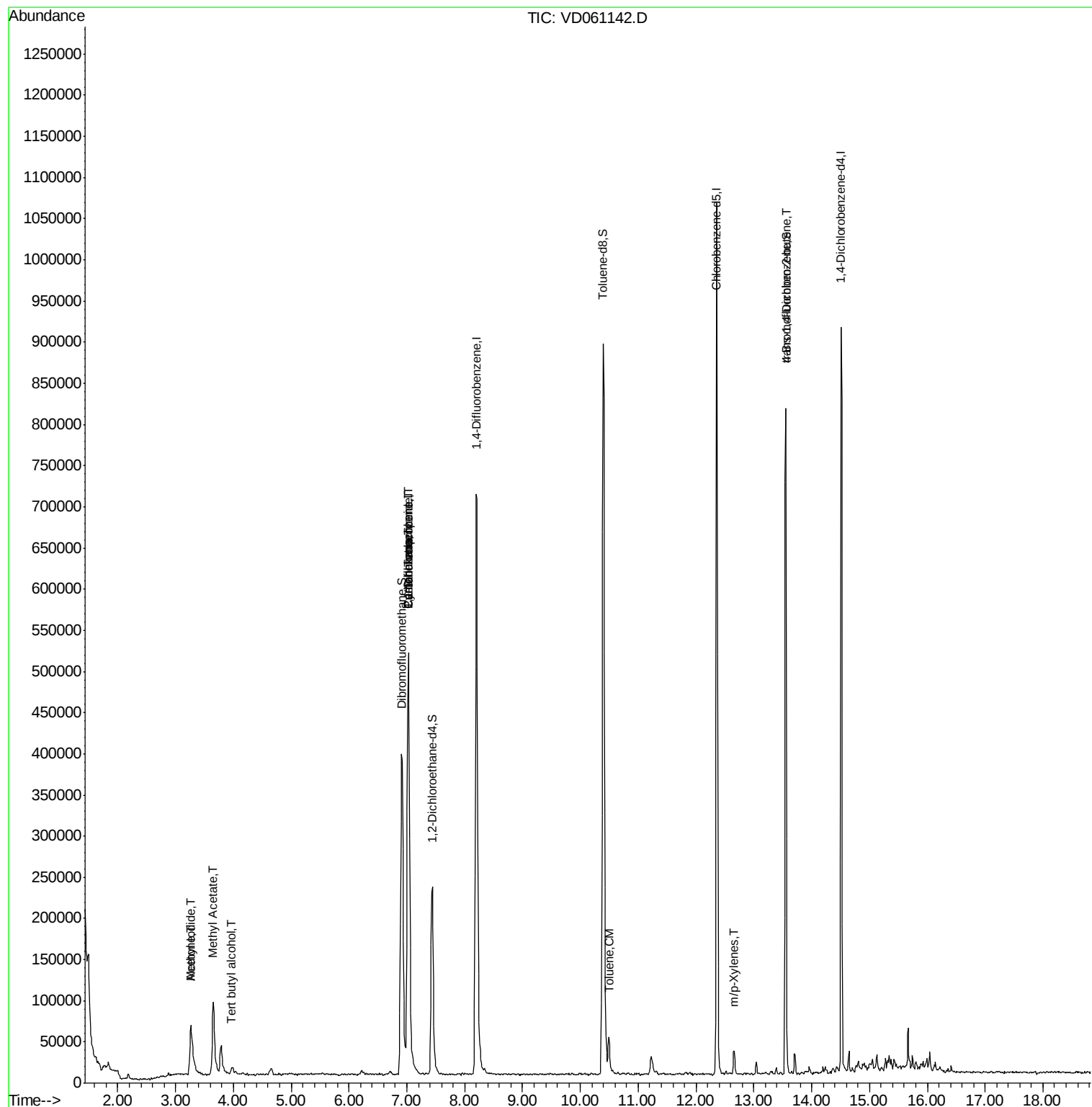
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	625	Below Cal	#	8
10) Methyl Iodide	3.27	142	5433	3.478	ug/l #	78
11) Tert butyl alcohol	3.98	59	7932	26.870	ug/l #	75
16) Acetone	3.27	43	148733	112.168	ug/l	99
18) Methyl Acetate	3.65	43	181226	69.448	ug/l #	92
20) Methylene Chloride	3.79	84	27217	Below Cal		90
31) Cyclohexane	7.03	56	8586	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	41052	4.891	ug/l #	45
38) Carbon Tetrachloride	7.03	117	54346	5.878	ug/l #	15
52) Toluene	10.49	92	22246	1.706	ug/l	98
68) m/p-Xylenes	12.66	106	10607	1.233	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.54	75	98337	100.125	ug/l #	17

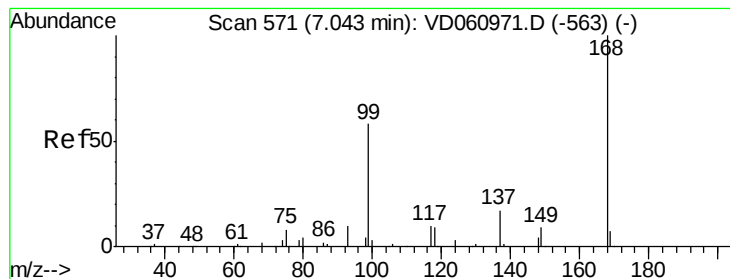
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061142.D
Acq On : 18 Mar 2019 13:47
Operator : VA/AP
Sample : K1685-01RE
Misc : 6.86g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 19 02:15:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD061142.D

Acq: 18 Mar 2019 13:47

Instrument :

MSVOA_D

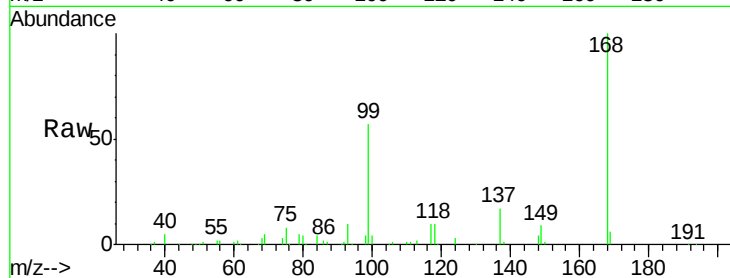
ClientSampleId :

Tot Ion:168 Resp: 557070

Ion Ratio Lower Upper

168 100

99 57.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.03

200000

150000

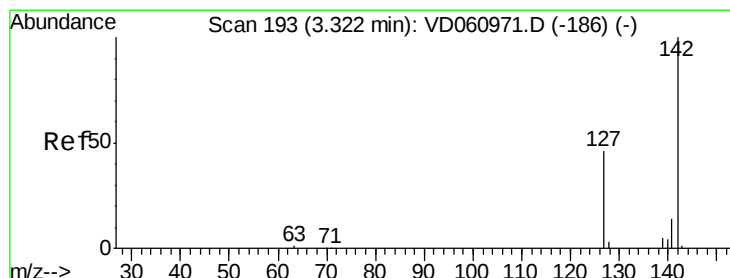
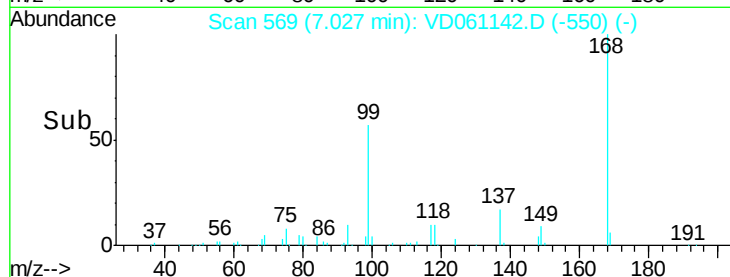
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.478 ug/l

RT: 3.27 min Scan# 187

Delta R.T. -0.05 min

Lab File: VD061142.D

Acq: 18 Mar 2019 13:47

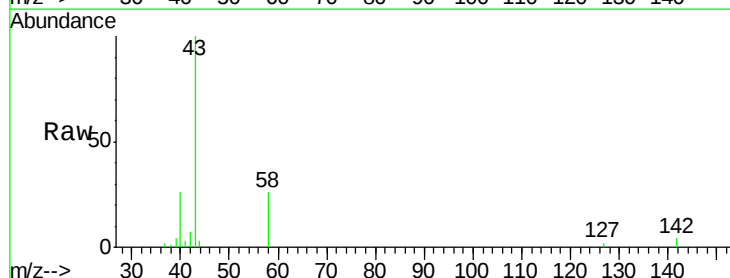
Tgt Ion:142 Resp: 5433

Ion Ratio Lower Upper

142 100

127 58.4 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.27

1500

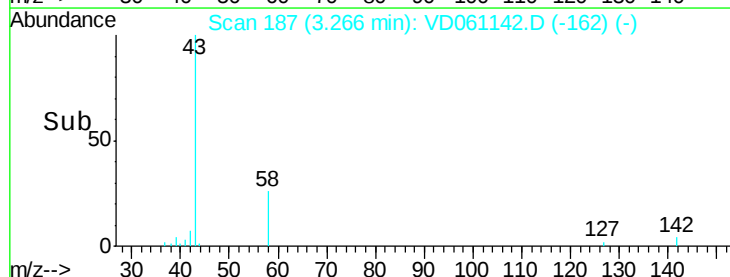
1000

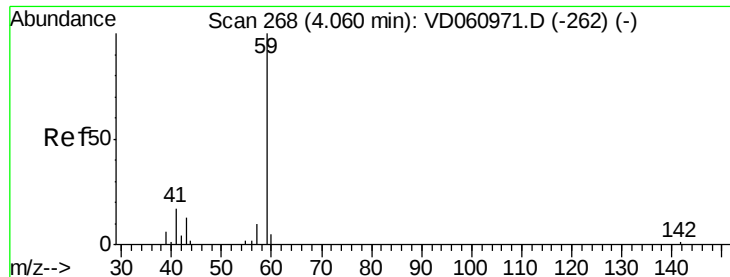
500

0

3.20 3.30 3.40

Time-->



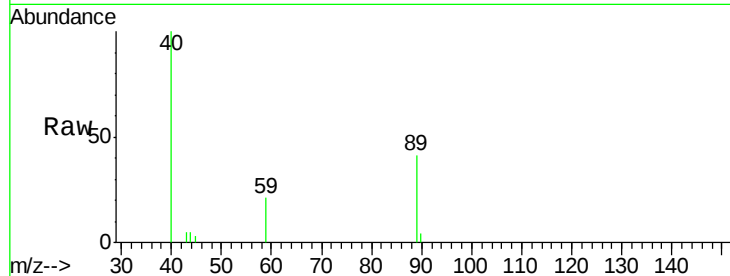


#11

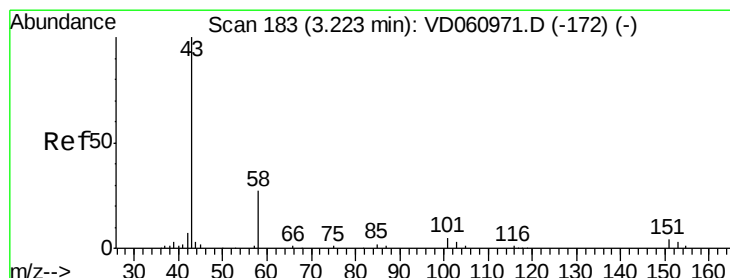
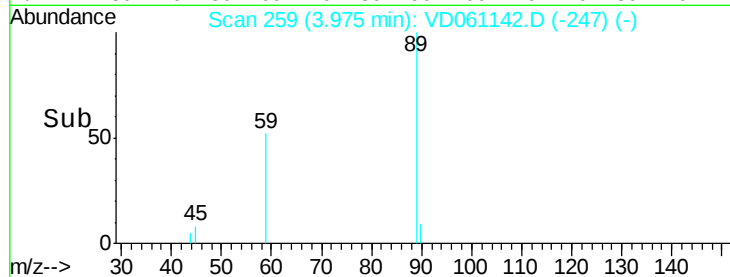
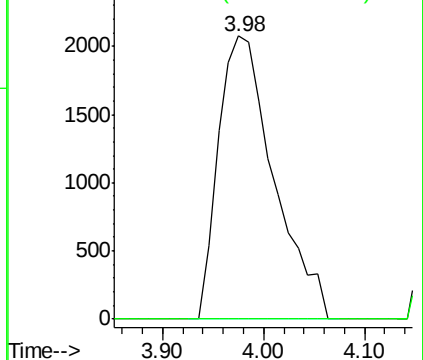
Tert butyl alcohol
Concen: 26.870 ug/l
RT: 3.98 min Scan# 259
Delta R.T. -0.08 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 7932
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



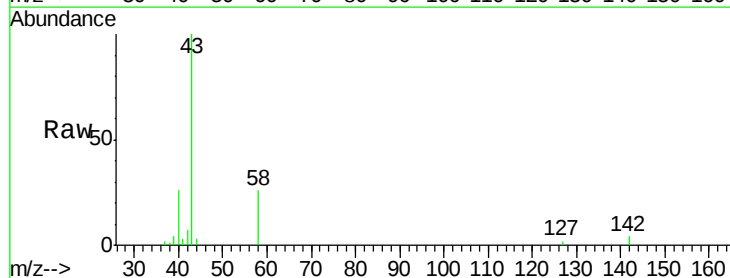
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



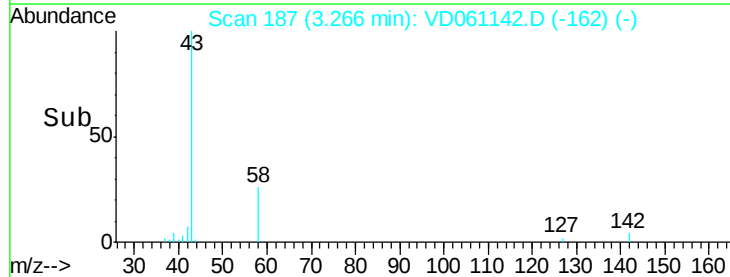
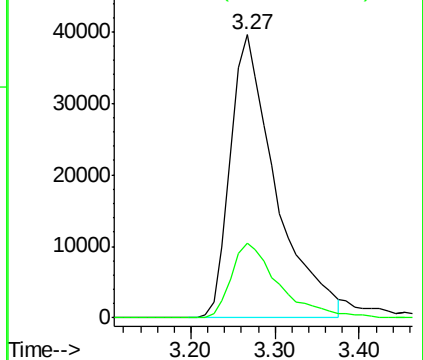
#16

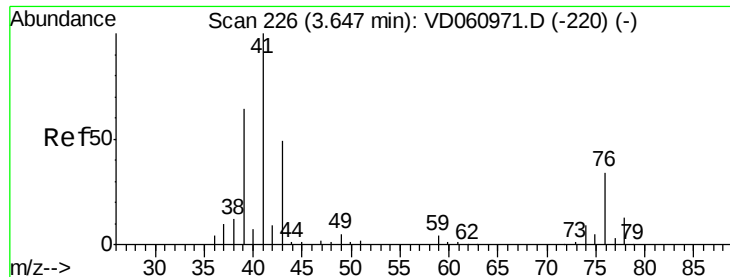
Acetone
Concen: 112.168 ug/l
RT: 3.27 min Scan# 187
Delta R.T. 0.04 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Tgt Ion: 43 Resp: 148733
Ion Ratio Lower Upper
43 100
58 26.3 21.6 32.4



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

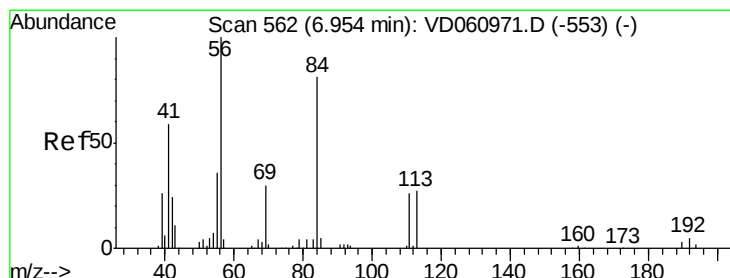
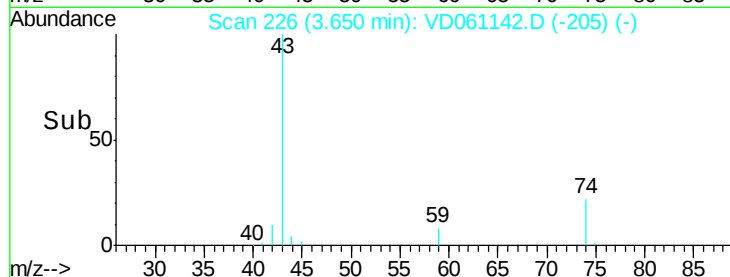
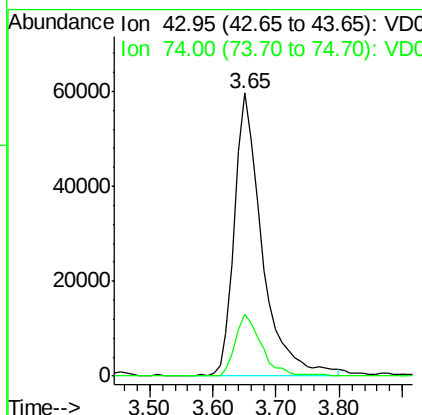
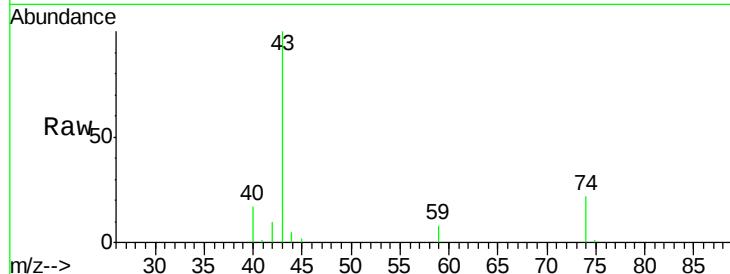




#18
Methyl Acetate
Concen: 69.448 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

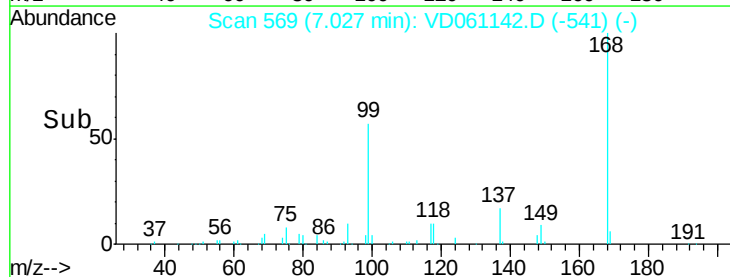
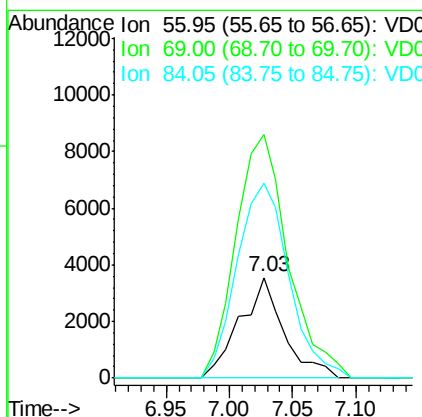
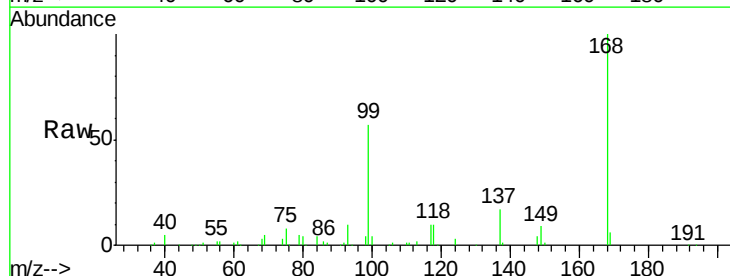
Instrument :
MSVOA_D
ClientSampleId :

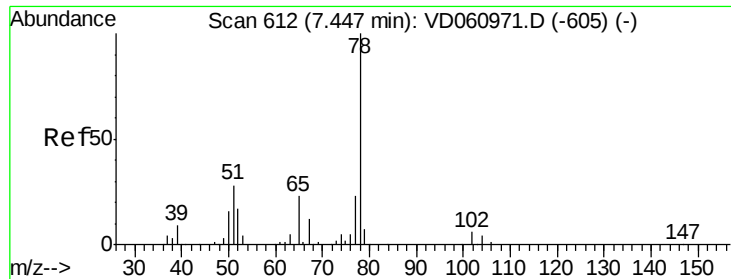
Tot Ion: 43 Resp: 181226
Ion Ratio Lower Upper
43 100
74 21.8 14.6 21.8#



#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Tgt Ion: 56 Resp: 8586
Ion Ratio Lower Upper
56 100
69 242.0 24.0 36.0#
84 194.1 65.8 98.6#

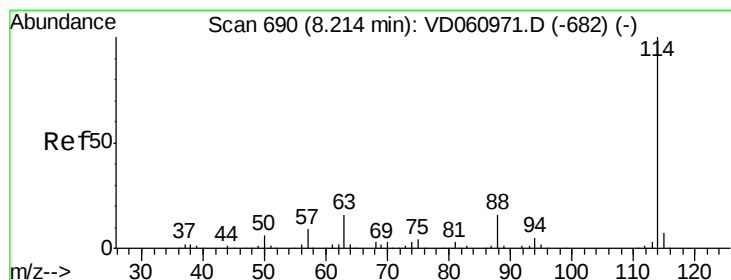
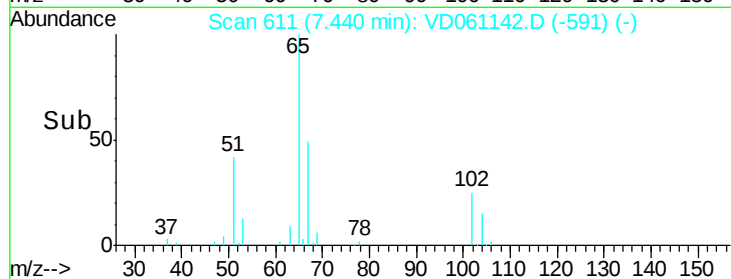
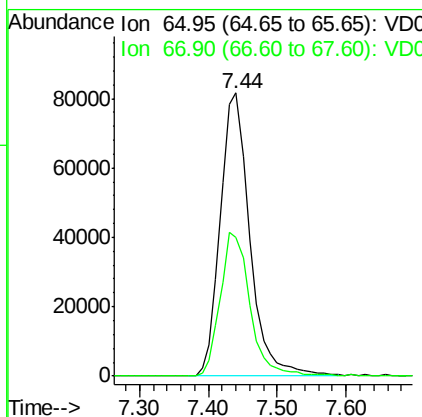
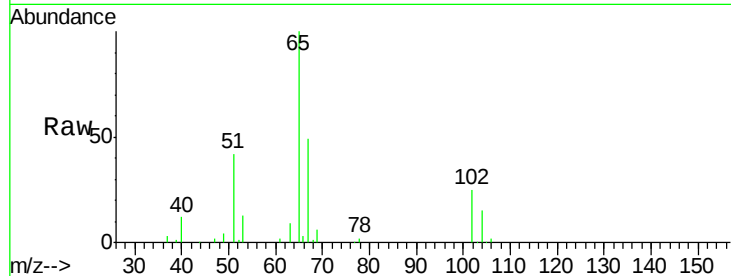




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061142.D
 Acq: 18 Mar 2019 13:47

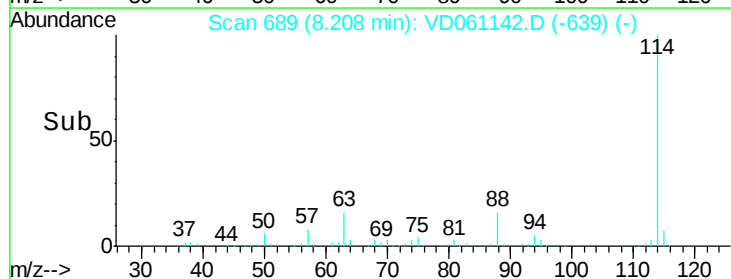
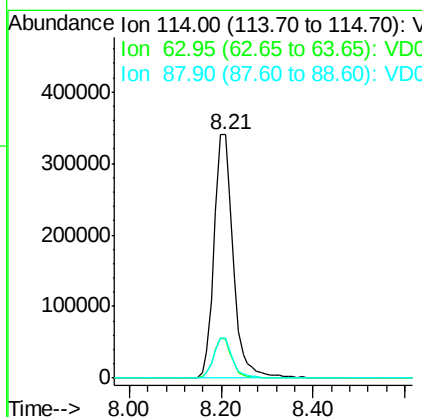
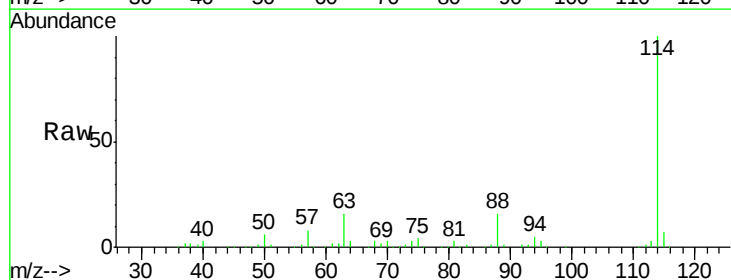
Instrument :
 MSVOA_D
 ClientSampleId :

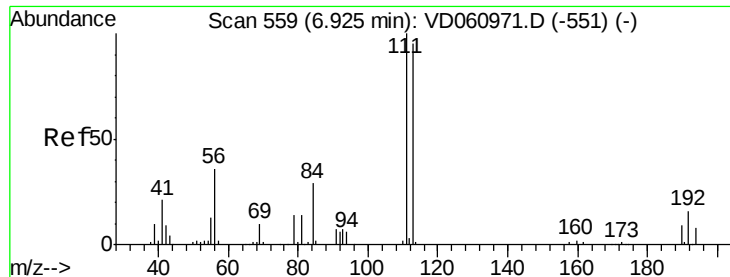
Tot Ion: 65 Resp: 243152
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061142.D
 Acq: 18 Mar 2019 13:47

Tgt Ion: 114 Resp: 973720
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.4
 88 16.3 0.0 33.0

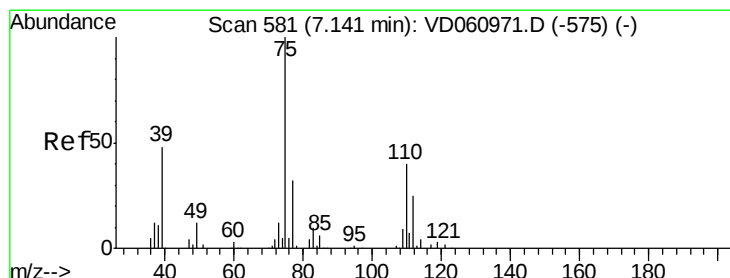
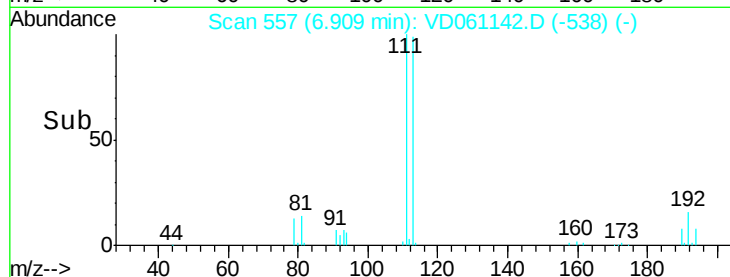
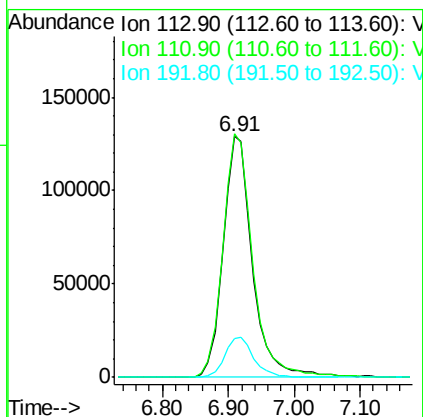
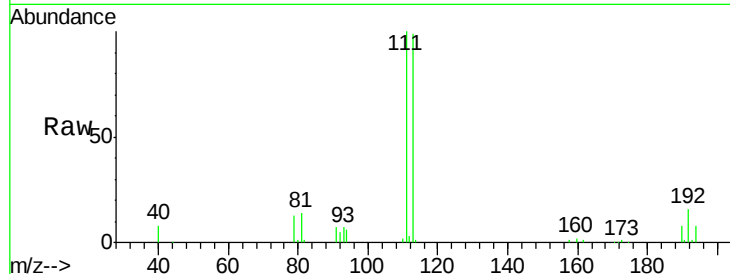




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

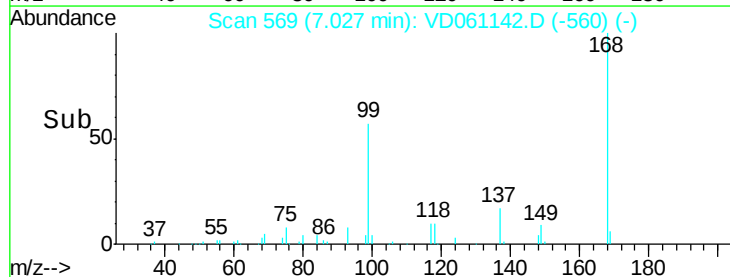
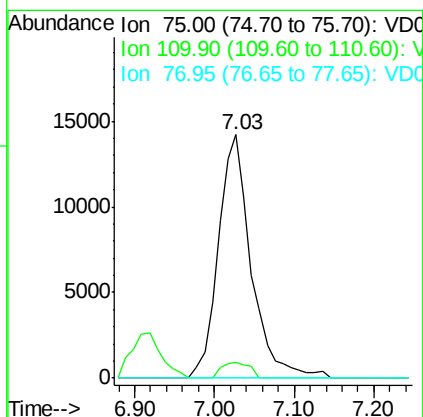
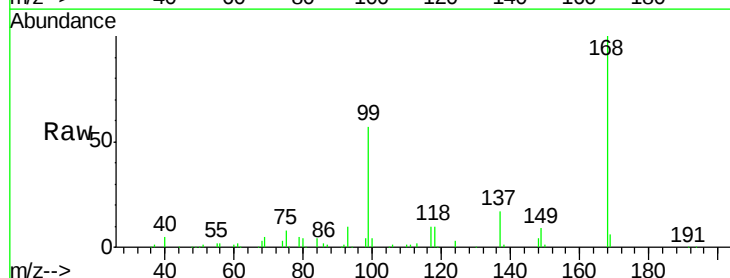
Instrument :
MSVOA_D
ClientSampleId :

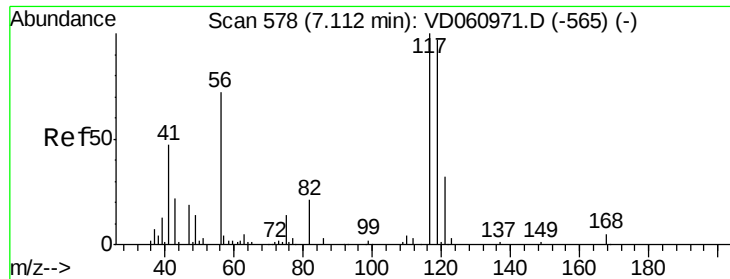
Tot Ion:113 Resp: 401196
Ion Ratio Lower Upper
113 100
111 101.2 84.2 126.4
192 16.1 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.11 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Tgt Ion: 75 Resp: 41052
Ion Ratio Lower Upper
75 100
110 6.5 19.7 59.1#
77 0.0 24.7 37.1#

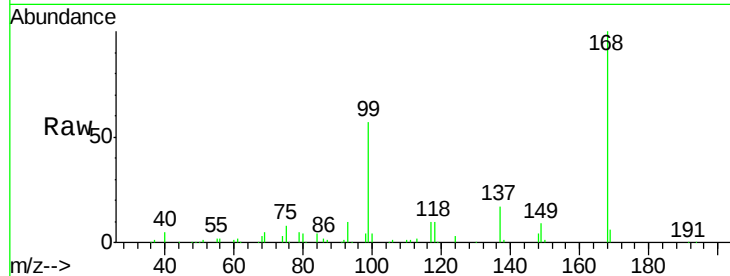




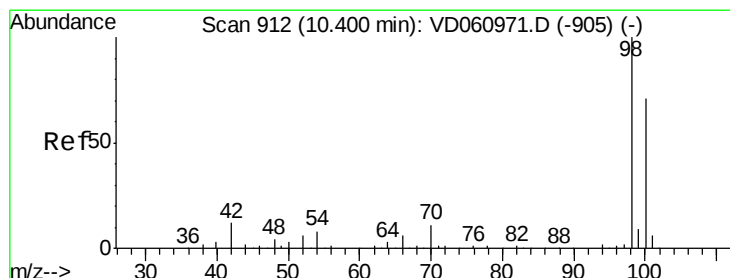
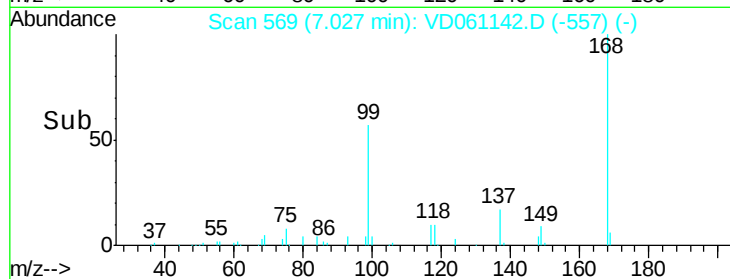
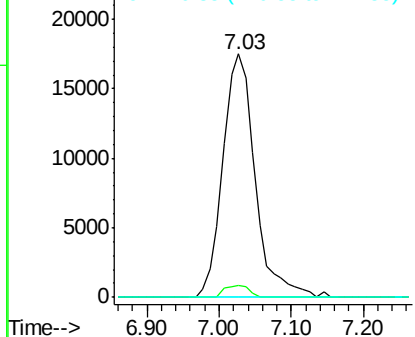
#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 54346
Ion Ratio Lower Upper
117 100
119 4.7 77.8 116.8#
121 0.0 25.3 37.9#

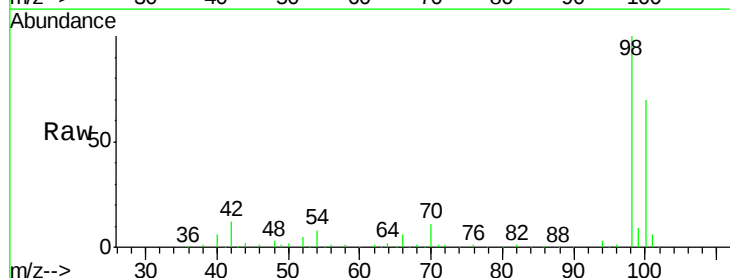


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

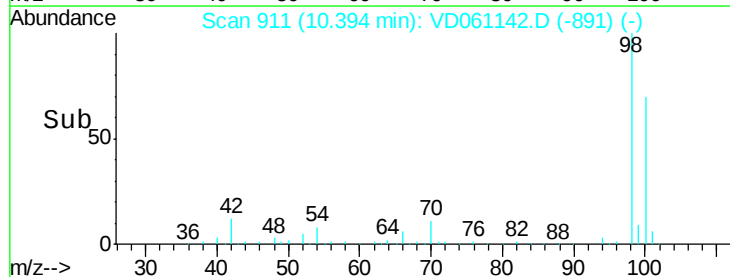
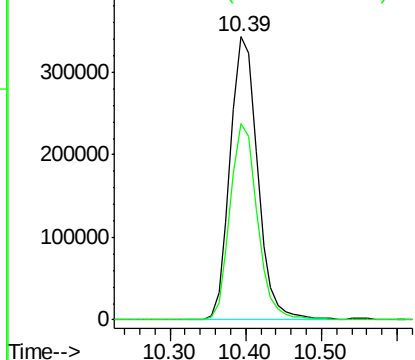


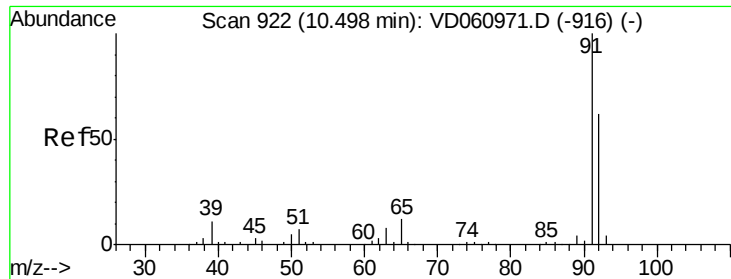
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Tgt Ion: 98 Resp: 863674
Ion Ratio Lower Upper
98 100
100 69.5 57.4 86.2



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





#52

Toluene

Concen: 1.706 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD061142.D

Acq: 18 Mar 2019 13:47

Instrument :

MSVOA_D

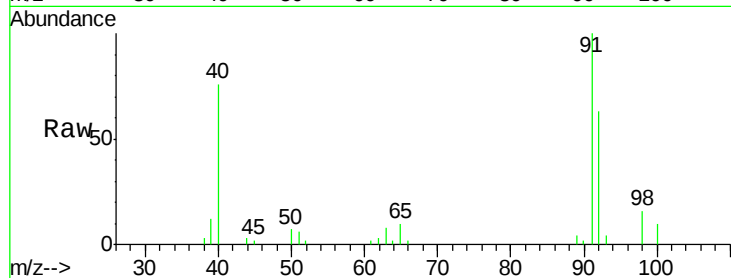
ClientSampleId :

Tot Ion: 92 Resp: 22246

Ion Ratio Lower Upper

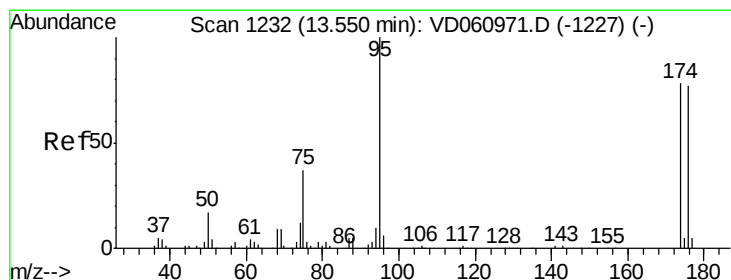
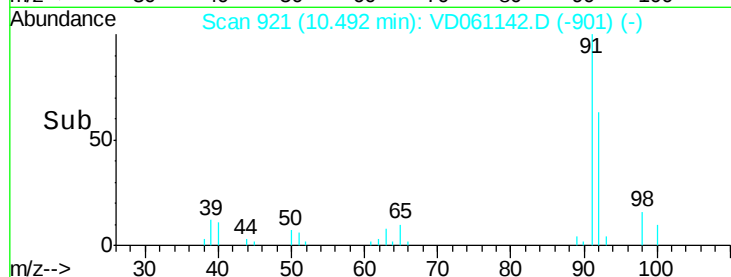
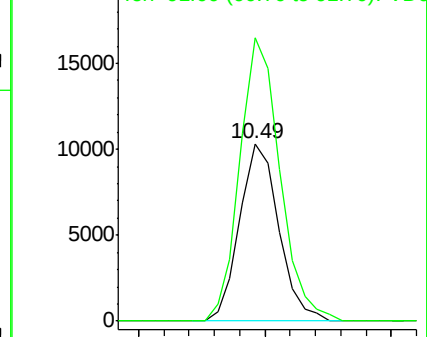
92 100

91 159.6 129.8 194.8



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061142.D

Acq: 18 Mar 2019 13:47

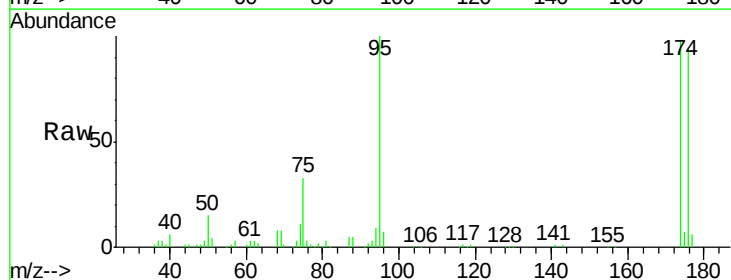
Tgt Ion: 95 Resp: 275707

Ion Ratio Lower Upper

95 100

174 97.6 0.0 155.6

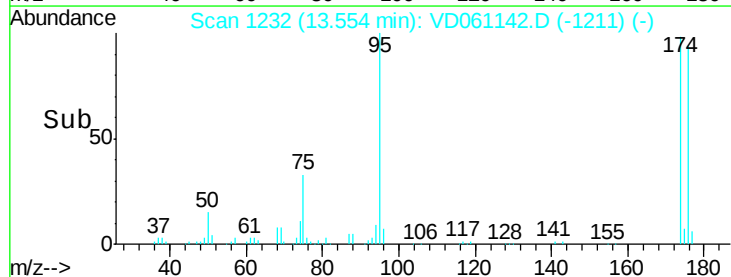
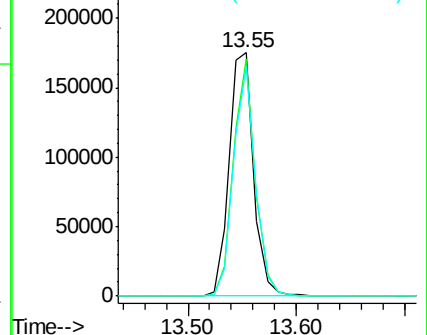
176 94.4 0.0 153.8

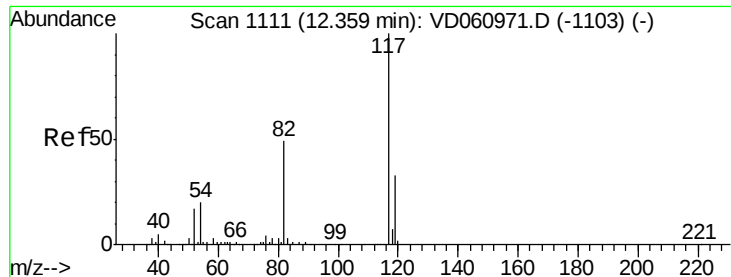


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

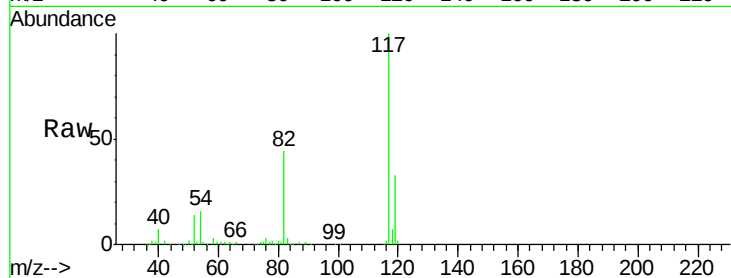




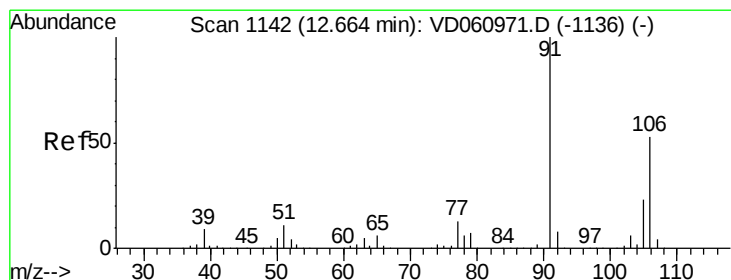
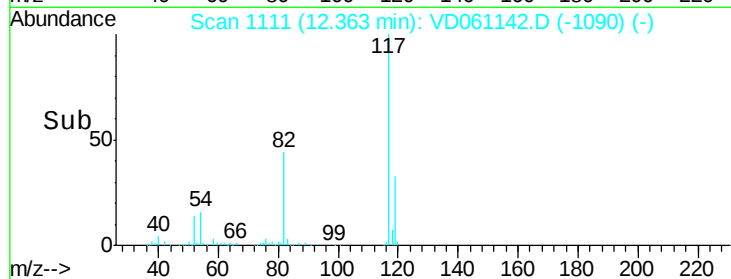
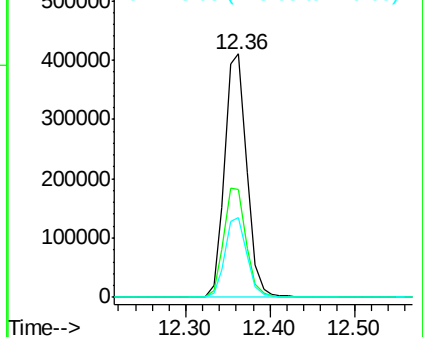
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 750904
Ion Ratio Lower Upper
117 100
82 44.1 38.9 58.3
119 32.9 26.6 39.8

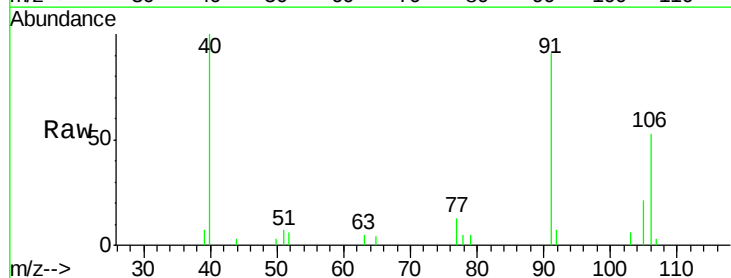


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

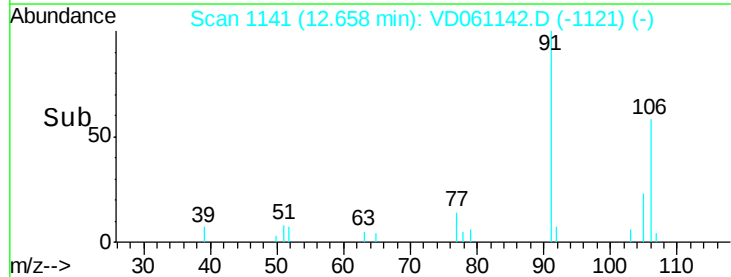
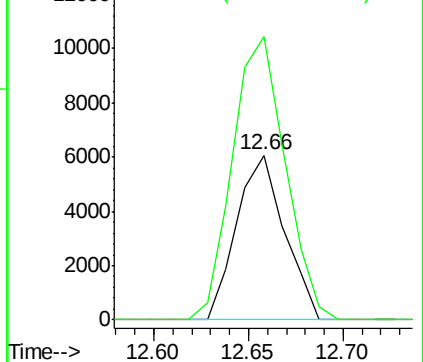


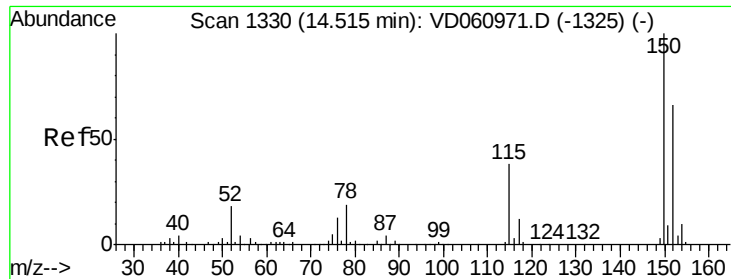
#68
m/p-Xylenes
Concen: 1.233 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061142.D
Acq: 18 Mar 2019 13:47

Tgt Ion:106 Resp: 10607
Ion Ratio Lower Upper
106 100
91 172.1 152.0 228.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061142.D

Acq: 18 Mar 2019 13:47

Instrument :

MSVOA_D

ClientSampleId :

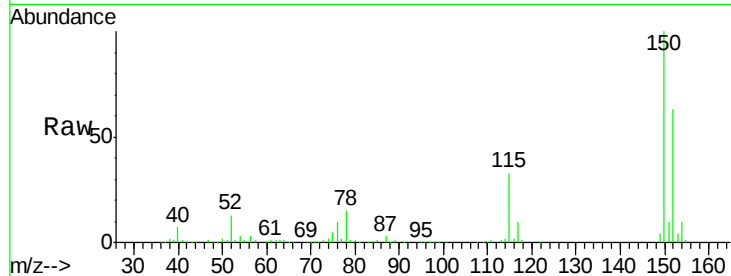
Tot Ion:152 Resp: 231554

Ion Ratio Lower Upper

152 100

115 52.3 28.6 85.9

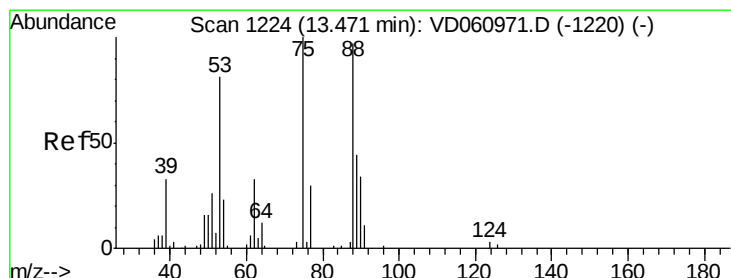
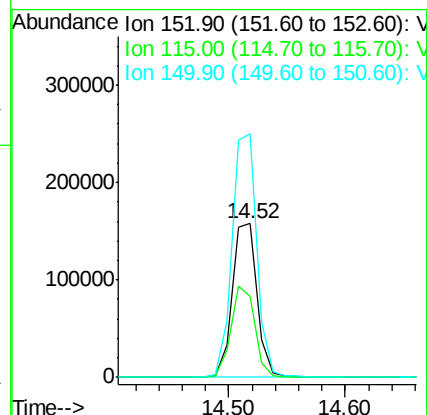
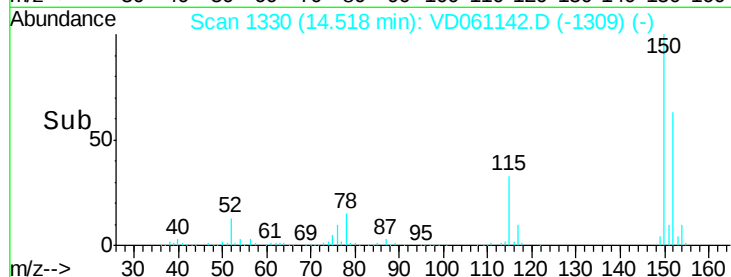
150 158.4 0.0 310.6



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: 100.125 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061142.D

Acq: 18 Mar 2019 13:47

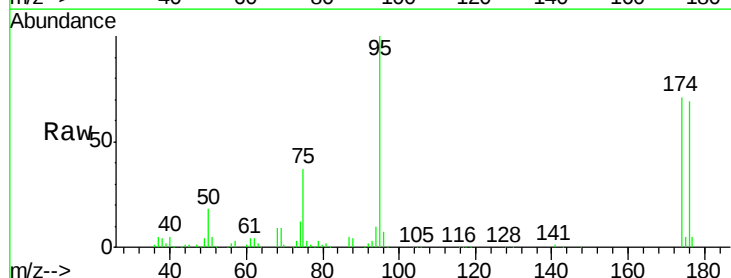
Tgt Ion: 75 Resp: 98337

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

