

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058053.D
 Acq On : 9 Jun 2018 9:40
 Operator : VA/AP
 Sample : J3324-01RE
 Misc : 5.77g/5ml/MSVOA D/SOIL
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:07:27 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	5.63	168	589727	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	759273	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	426126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	231229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	364036	61.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	123.50%	
35) Dibromofluoromethane	5.54	113	385981	65.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	131.40%	
50) Toluene-d8	8.69	98	173339	12.41	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	24.82%	
62) 4-Bromofluorobenzene	11.92	95	299353	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	

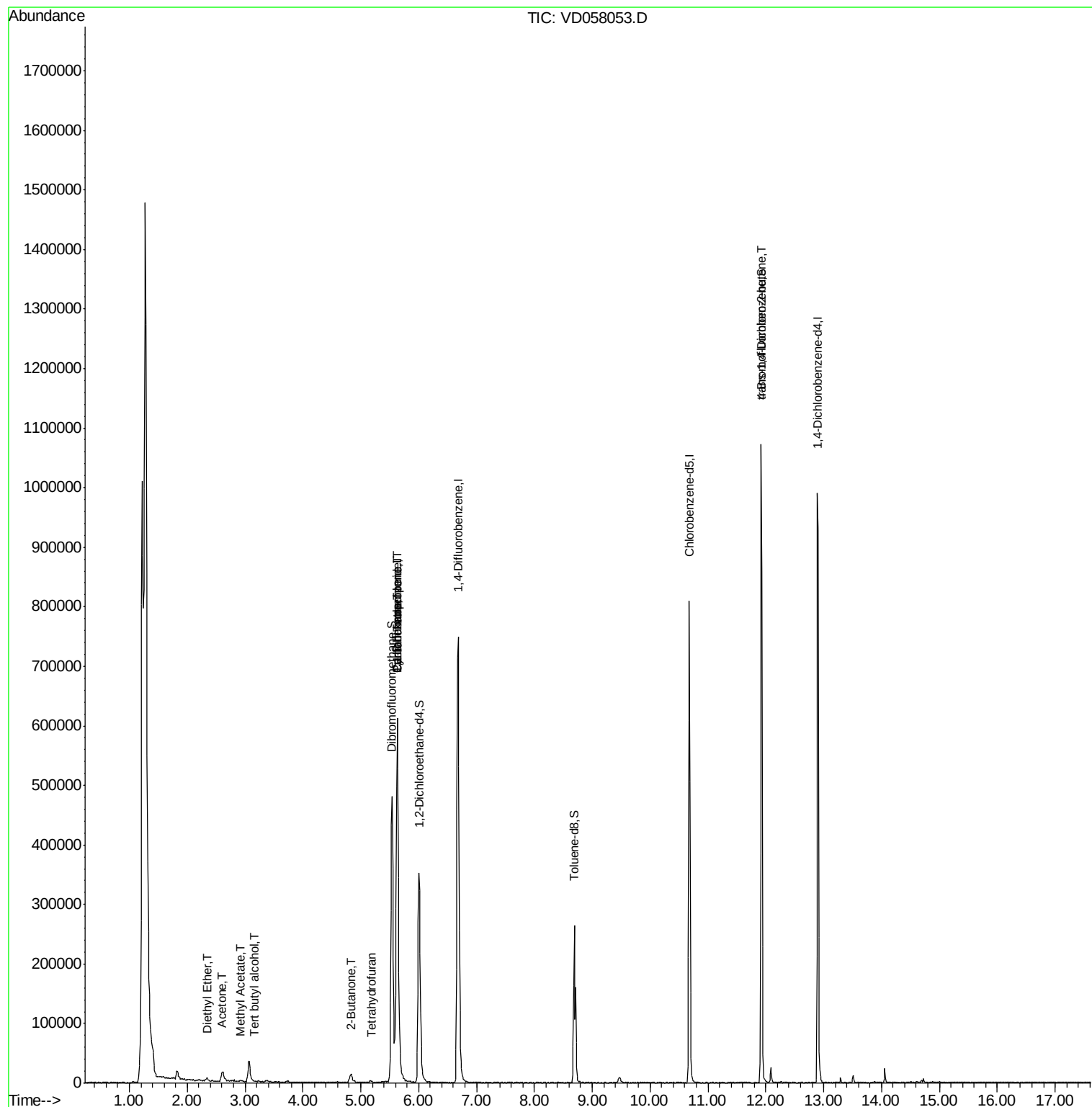
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.34	74	1580	1.649	ug/l	86
11) Tert butyl alcohol	3.17	59	191	1.209	ug/l #	74
16) Acetone	2.61	43	41764	49.167	ug/l	99
18) Methyl Acetate	2.93	43	2512	1.529	ug/l #	66
25) 2-Butanone	4.82	43	3409	1.766	ug/l #	58
29) Tetrahydrofuran	5.19	42	1736	1.716	ug/l #	61
31) Cyclohexane	5.63	56	13484	1.315	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	50533	6.041	ug/l #	50
38) Carbon Tetrachloride	5.63	117	47351	5.744	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	148840	173.008	ug/l #	6
82) 4-Chlorotoluene	12.32	91	224	Below Cal	#	50

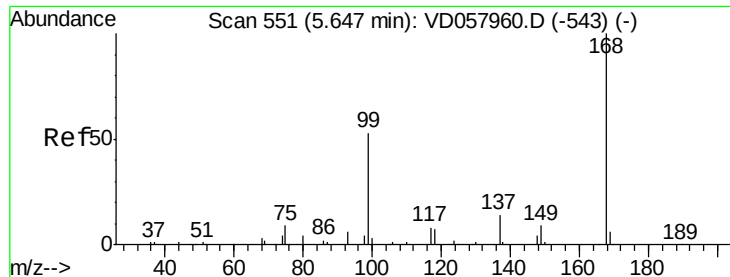
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Operator : VA/AP
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Misc : 5.77a/5ml/MSVOA D/SOIL
ALS Vial : 72 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 11 04:07:27 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: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

Instrument :

MSVOA_D

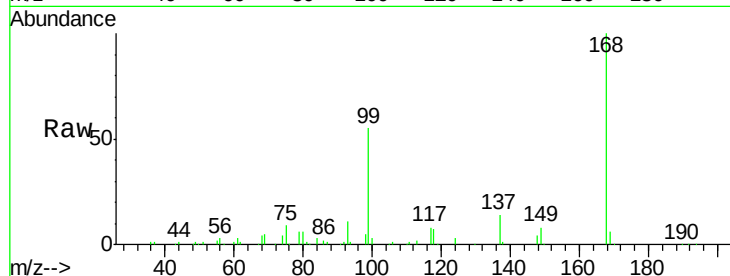
ClientSampleId :

Tot Ion:168 Resp: 589727

Ion Ratio Lower Upper

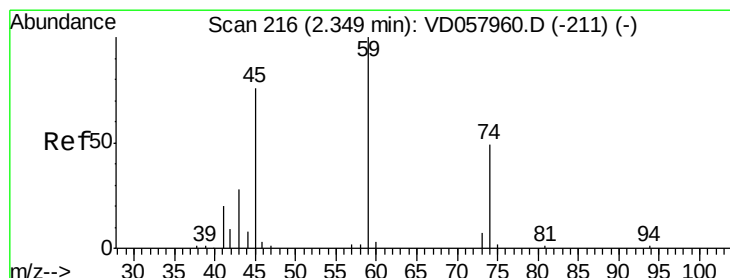
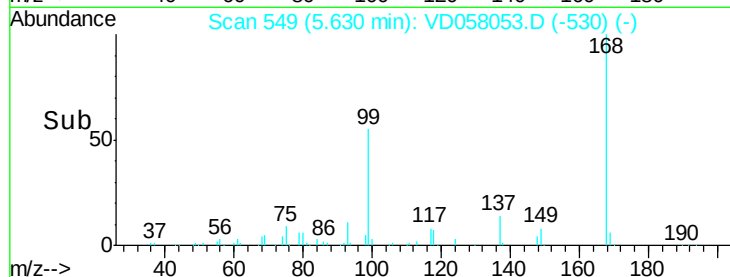
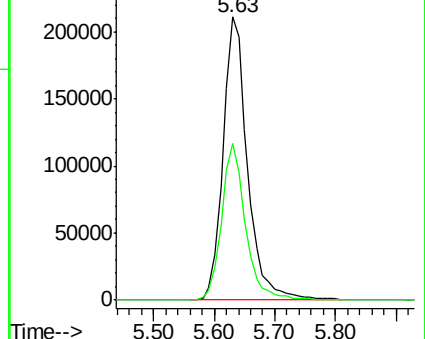
168 100

99 55.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.649 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.01 min

Lab File: VD058053.D

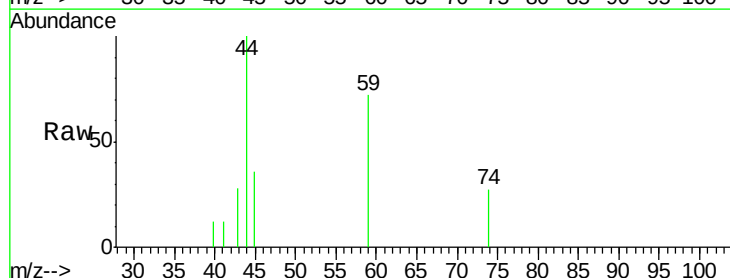
Acq: 9 Jun 2018 9:40

Tgt Ion: 74 Resp: 1580

Ion Ratio Lower Upper

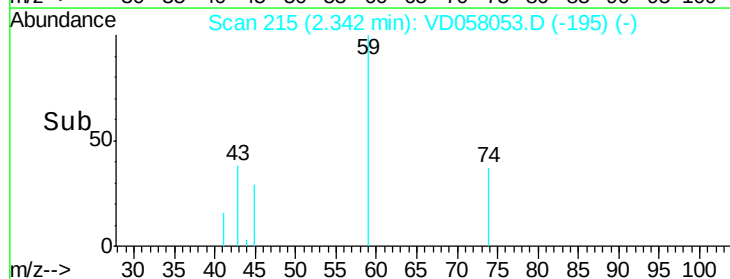
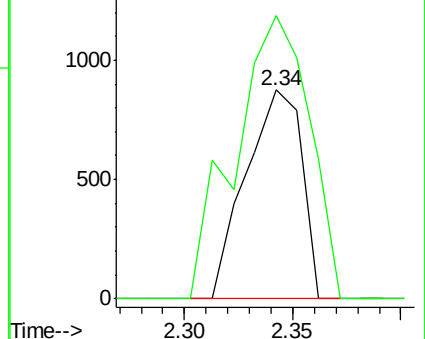
74 100

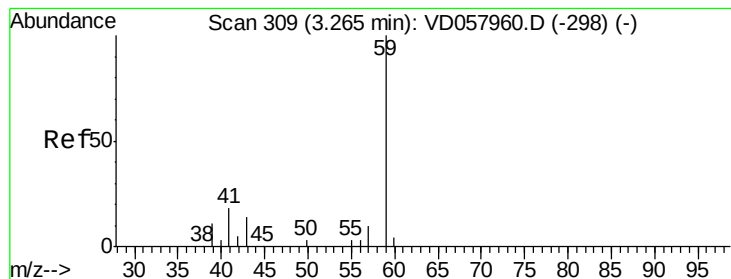
45 135.5 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



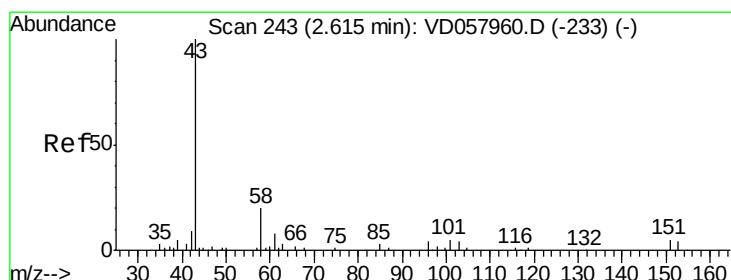
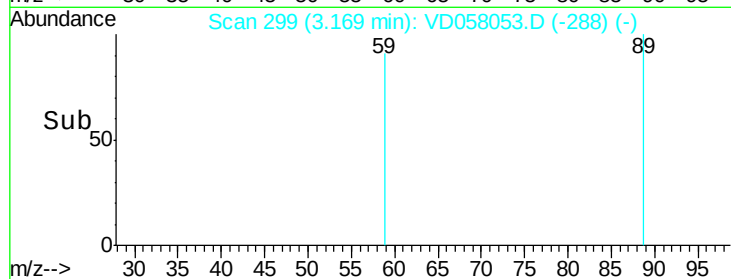
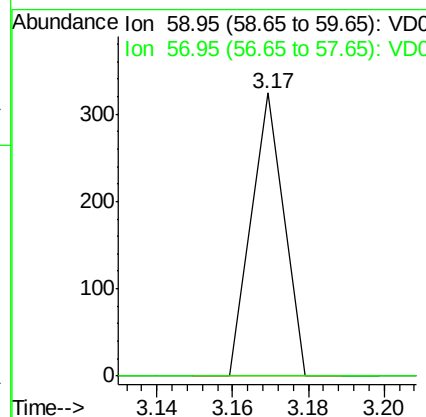
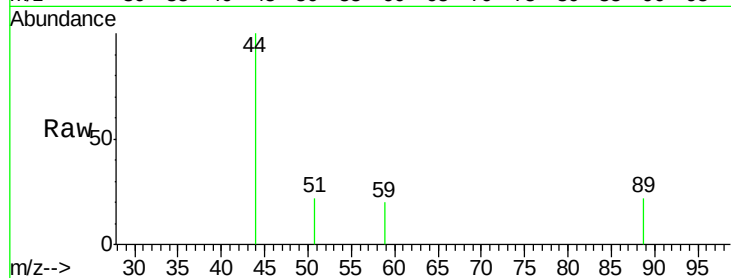


#11

Tert butyl alcohol
 Concen: 1.209 ug/l
 RT: 3.17 min Scan# 299
 Delta R.T. -0.10 min
 Lab File: VD058053.D
 Acq: 9 Jun 2018 9:40

Instrument :
 MSVOA_D
 ClientSampleId :

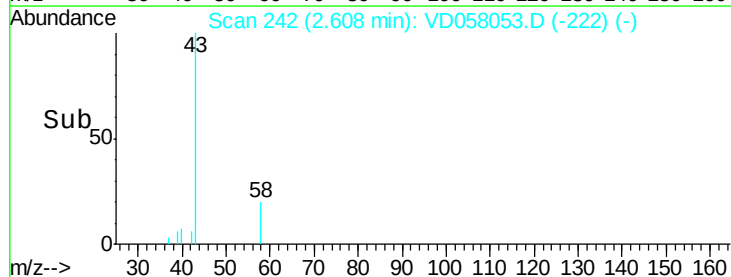
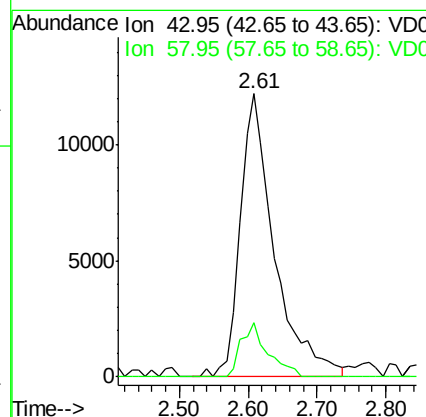
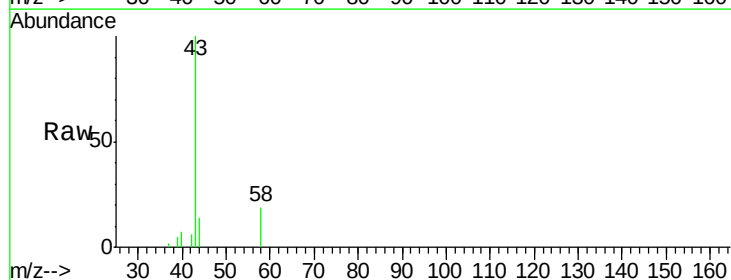
Tot Ion: 59 Resp: 191
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

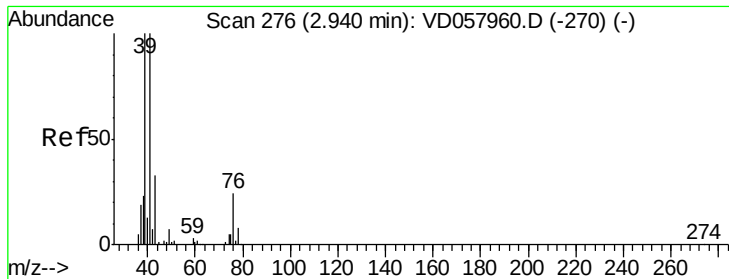


#16

Acetone
 Concen: 49.167 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD058053.D
 Acq: 9 Jun 2018 9:40

Tgt Ion: 43 Resp: 41764
 Ion Ratio Lower Upper
 43 100
 58 19.3 15.8 23.8

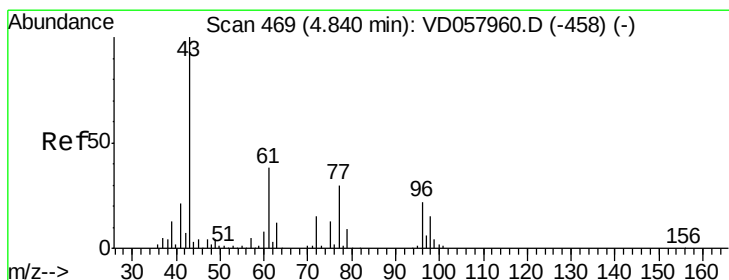
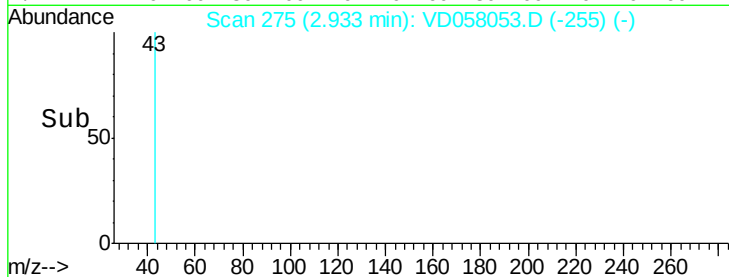
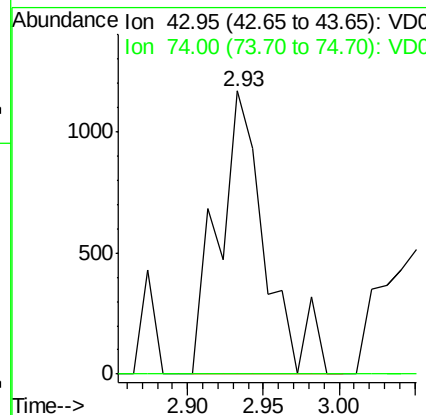
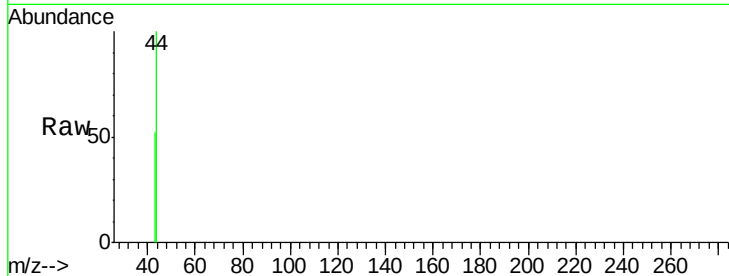




#18
Methvl Acetate
Concen: 1.529 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058053.D
Acq: 9 Jun 2018 9:40

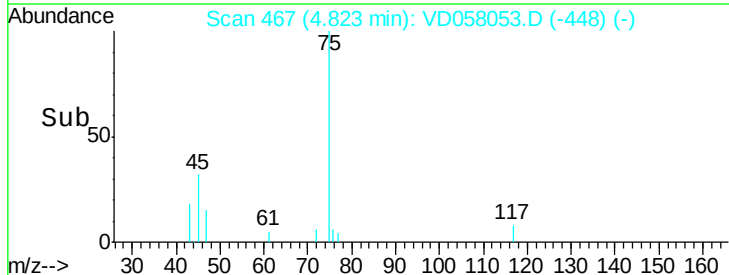
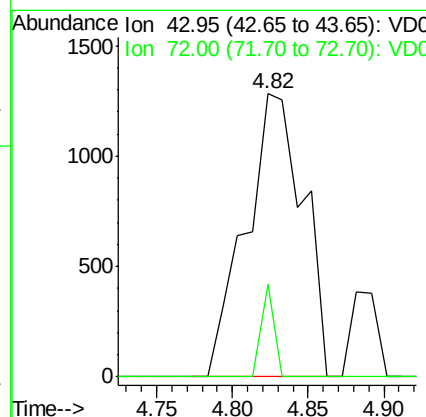
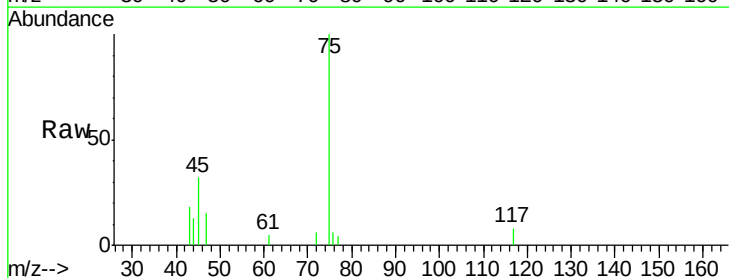
Instrument :
MSVOA_D
ClientSampled :

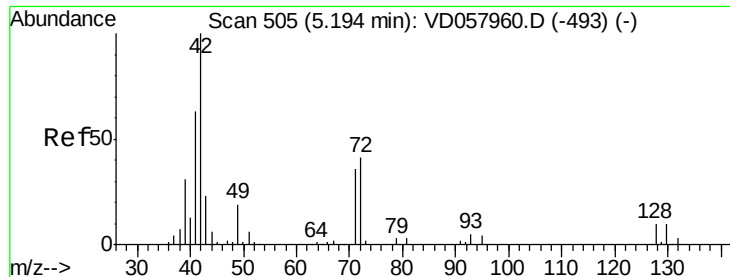
Tot Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 1.766 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD058053.D
Acq: 9 Jun 2018 9:40

Tgt Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
72 32.6 12.0 18.0#

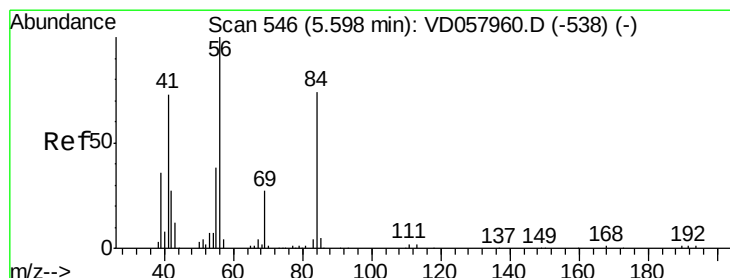
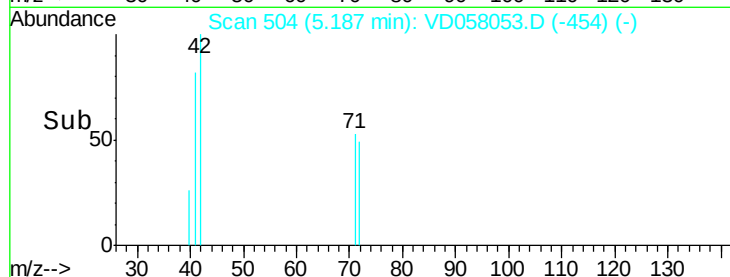
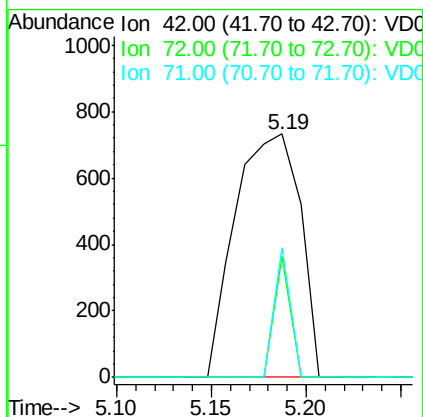
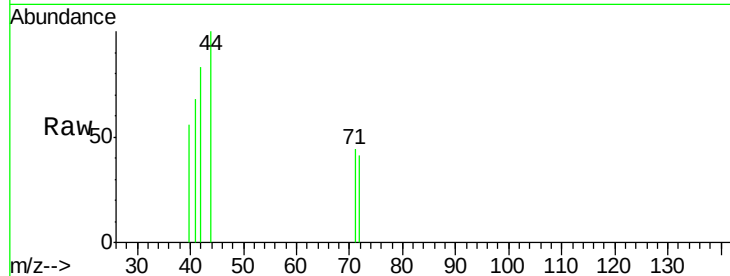




#29
Tetrahydrofuran
Concen: 1.716 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058053.D
Acq: 9 Jun 2018 9:40

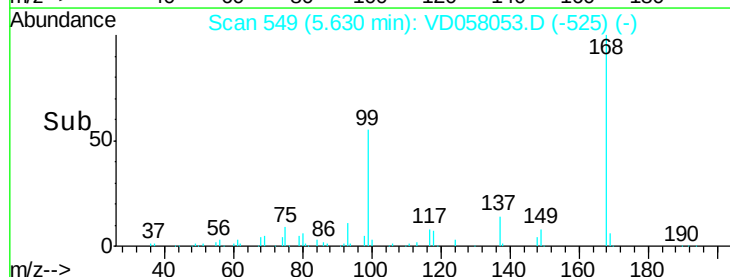
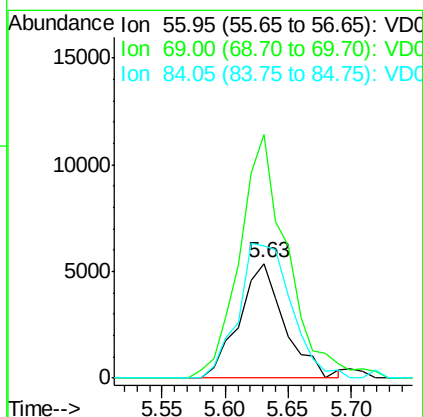
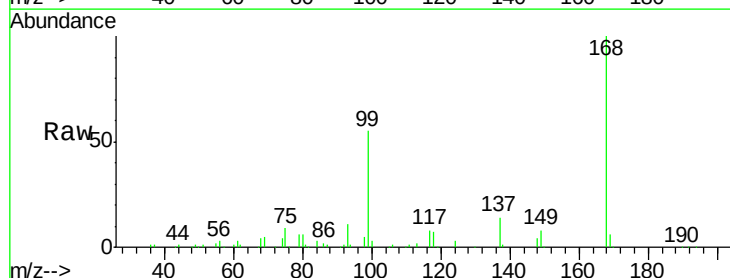
Instrument :
MSVOA_D
ClientSampleId :

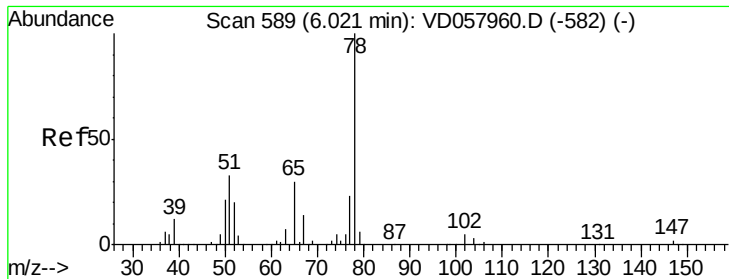
Tot Ion: 42 Resp: 1736
Ion Ratio Lower Upper
42 100
72 12.3 28.5 42.7#
71 13.3 27.9 41.9#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058053.D
Acq: 9 Jun 2018 9:40

Tgt Ion: 56 Resp: 13484
Ion Ratio Lower Upper
56 100
69 212.4 21.5 32.3#
84 115.7 61.0 91.6#

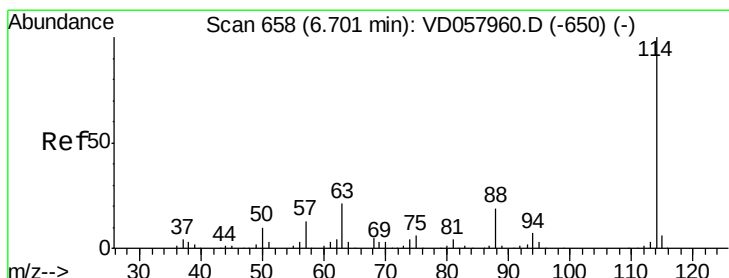
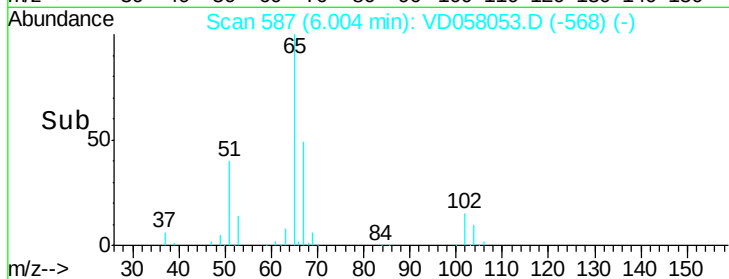
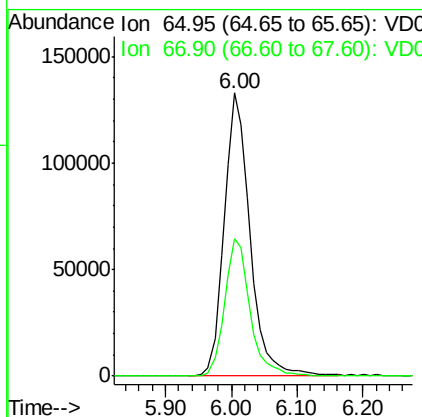
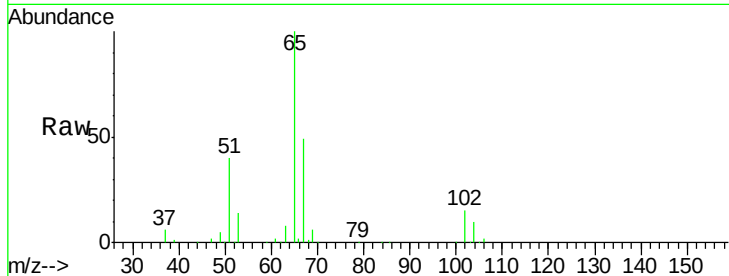




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058053.D
 Acq: 9 Jun 2018 9:40

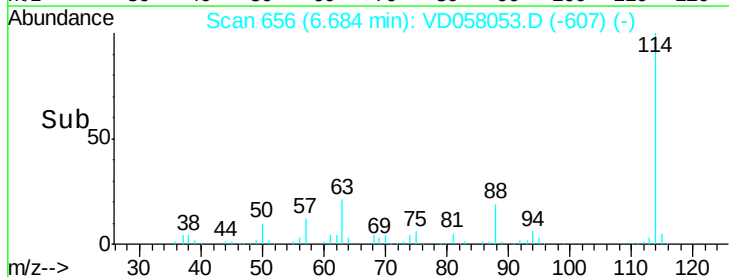
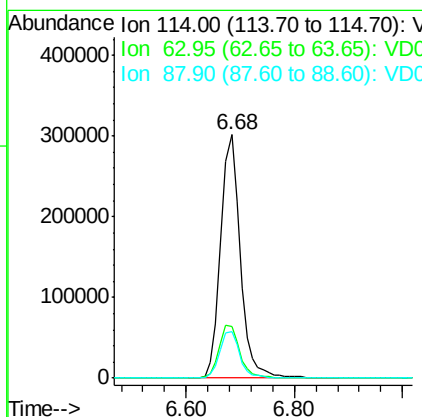
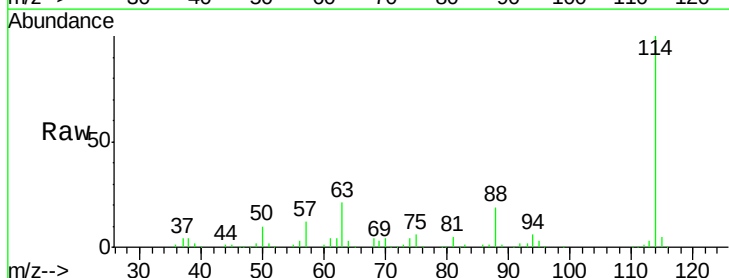
Instrument :
 MSVOA_D
 ClientSampleId :

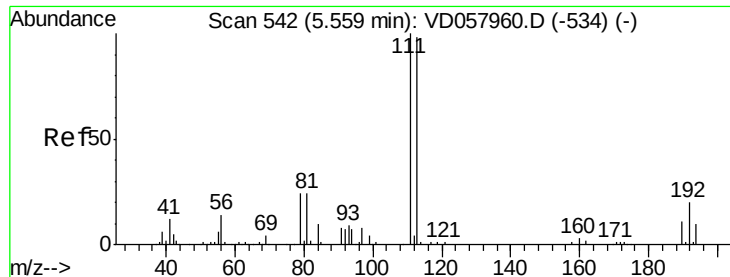
Tot Ion: 65 Resp: 364036
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058053.D
 Acq: 9 Jun 2018 9:40

Tgt Ion: 114 Resp: 759273
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.8
 88 19.1 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

Instrument :
MSVOA_D
ClientSampleId :

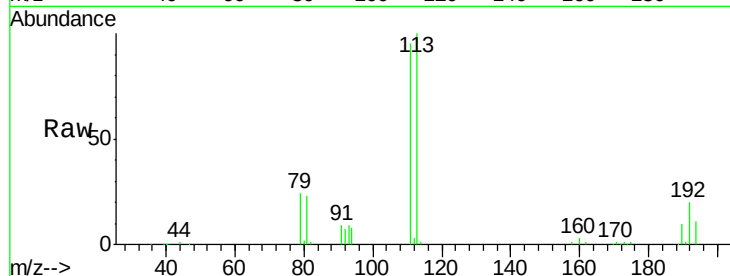
Tot Ion:113 Resp: 385981

Ion Ratio Lower Upper

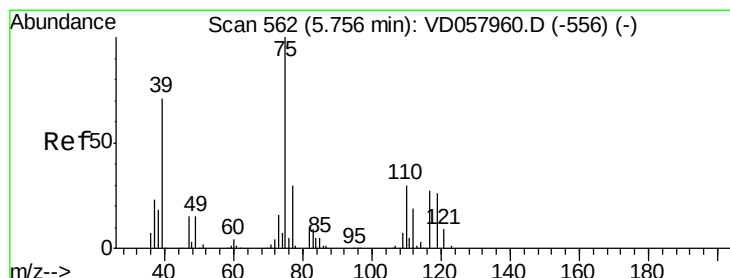
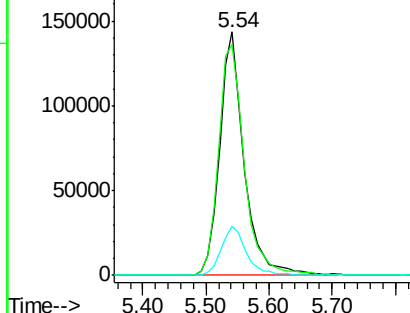
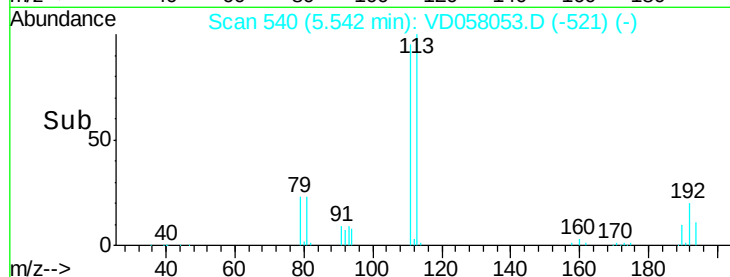
113 100

111 95.0 81.5 122.3

192 20.3 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: 6.041 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

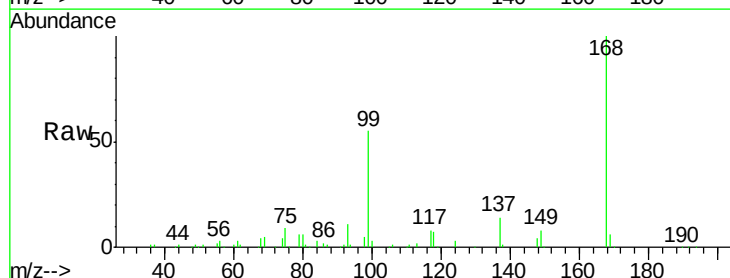
Tgt Ion: 75 Resp: 50533

Ion Ratio Lower Upper

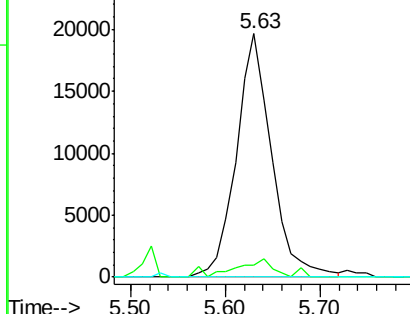
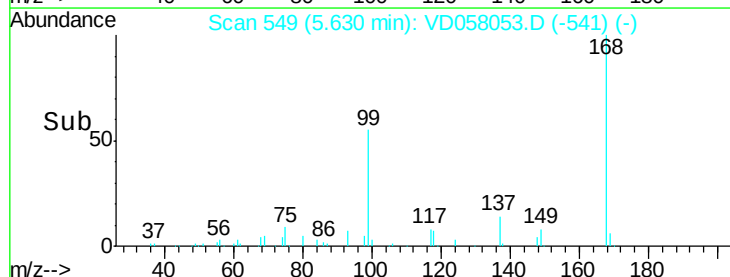
75 100

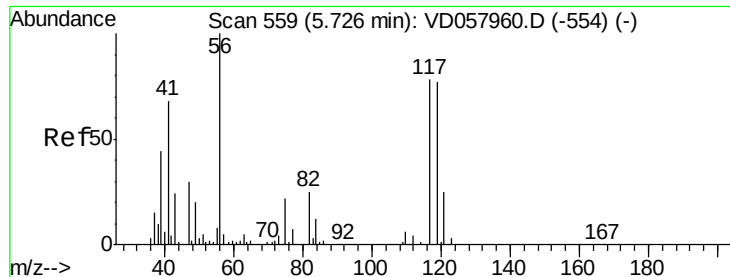
110 5.1 14.8 44.3#

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: 5.744 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

Instrument :
MSVOA_D
ClientSampleId :

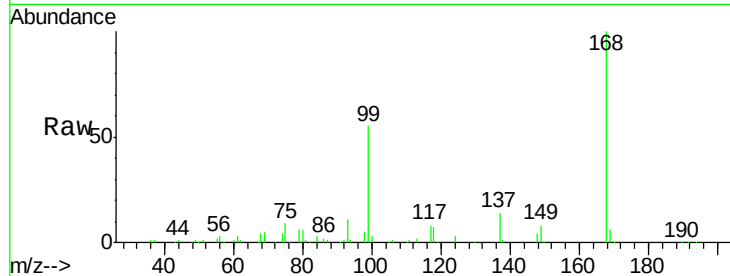
Tot Ion:117 Resp: 47351

Ion Ratio Lower Upper

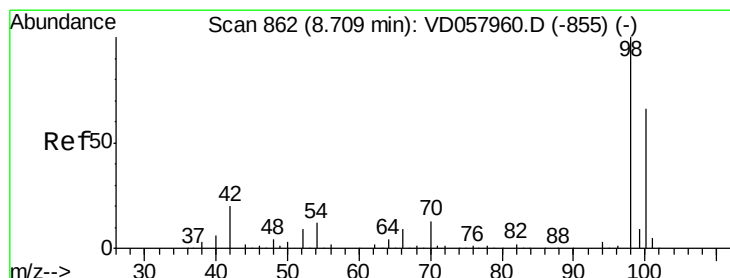
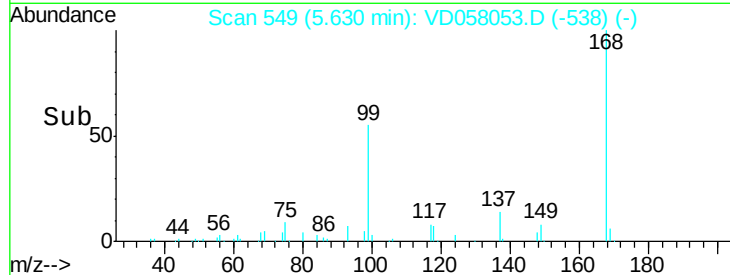
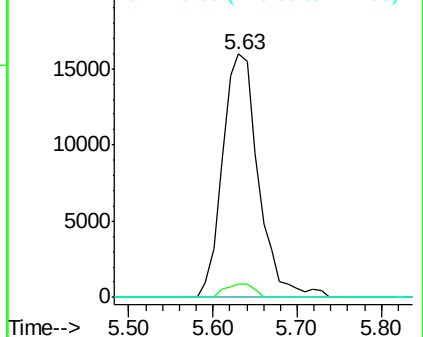
117 100

119 5.2 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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD058053.D

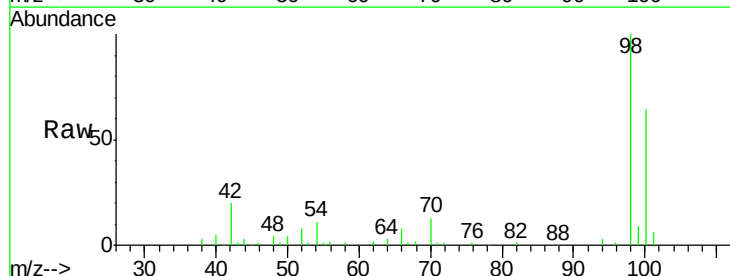
Acq: 9 Jun 2018 9:40

Tgt Ion: 98 Resp: 173339

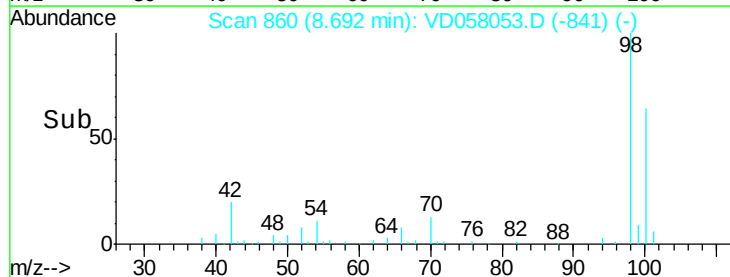
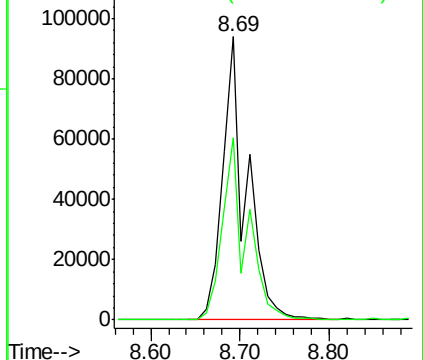
Ion Ratio Lower Upper

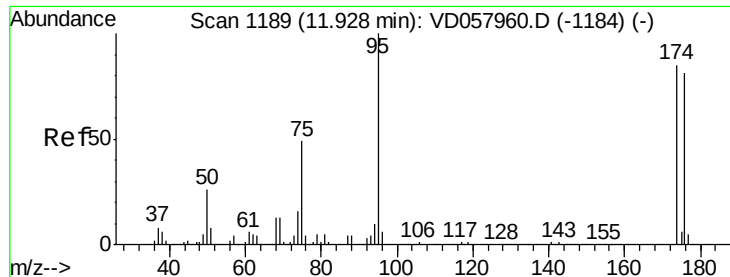
98 100

100 64.2 53.4 80.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

Instrument :

MSVOA_D

ClientSampleId :

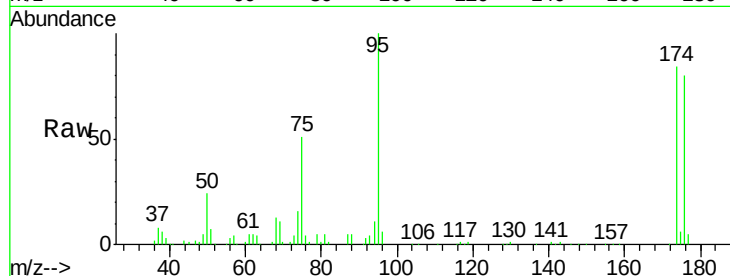
Tot Ion: 95 Resp: 299353

Ion Ratio Lower Upper

95 100

174 84.1 0.0 169.4

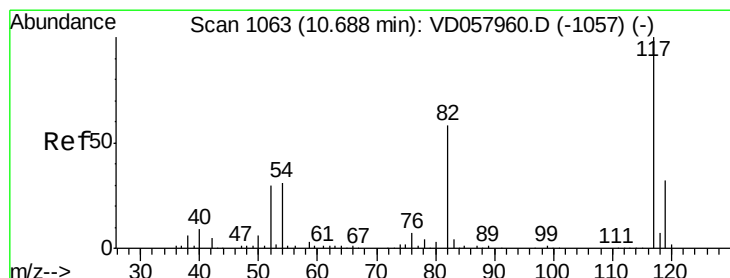
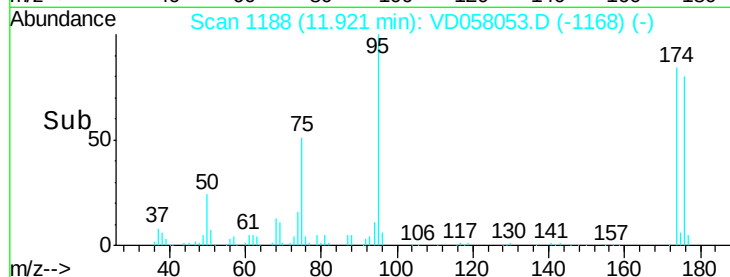
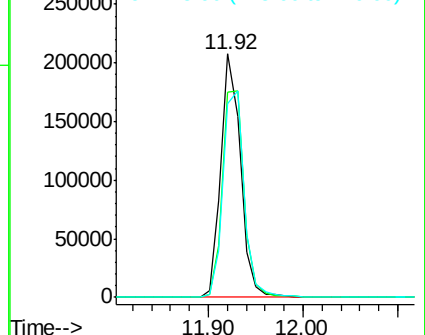
176 79.7 0.0 162.6



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. -0.01 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

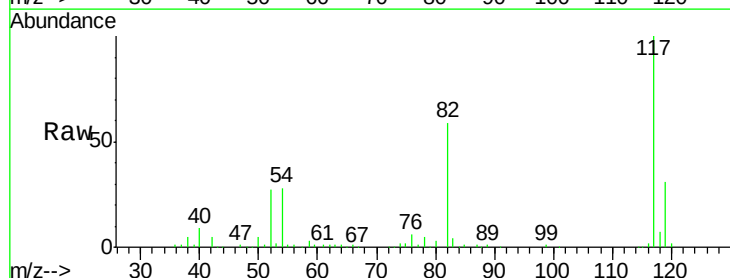
Tgt Ion: 117 Resp: 426126

Ion Ratio Lower Upper

117 100

82 59.4 46.8 70.2

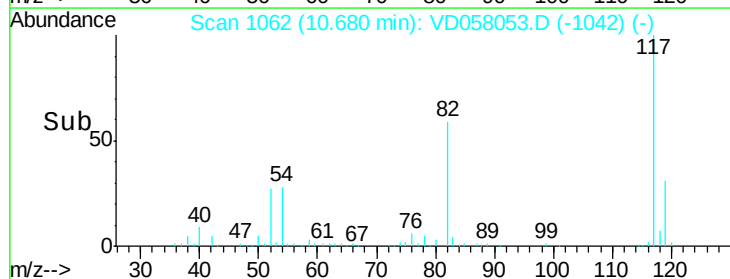
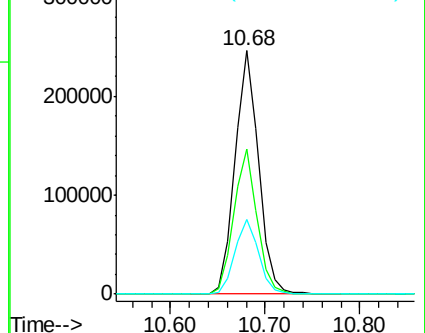
119 30.8 25.8 38.6

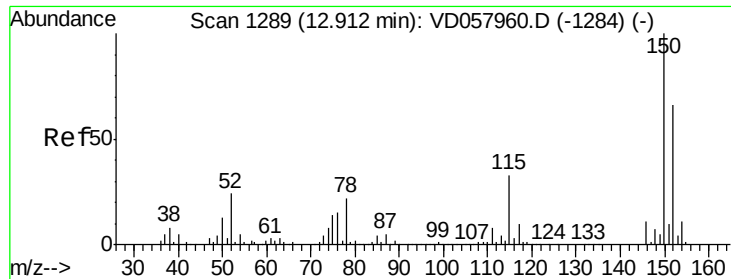


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.01 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

Instrument :

MSVOA_D

ClientSampleId :

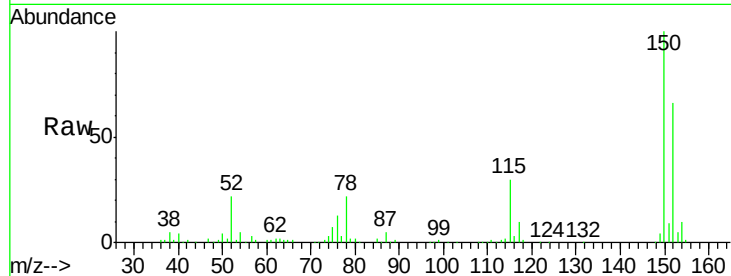
Tot Ion:152 Resp: 231229

Ion Ratio Lower Upper

152 100

115 46.3 25.6 76.6

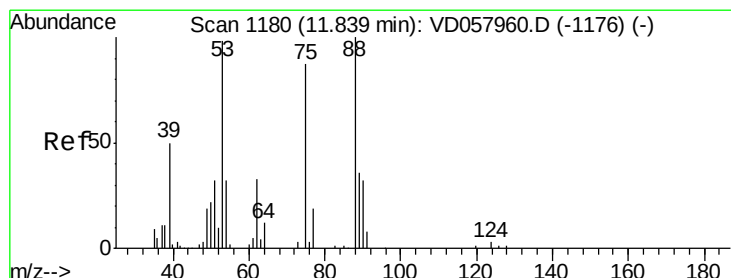
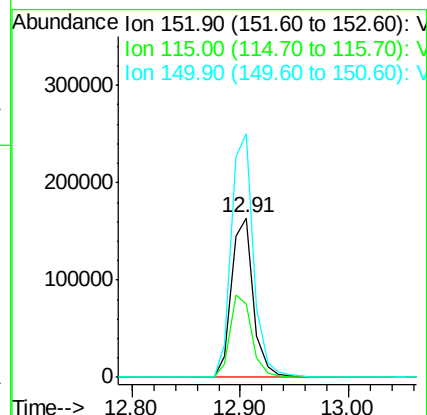
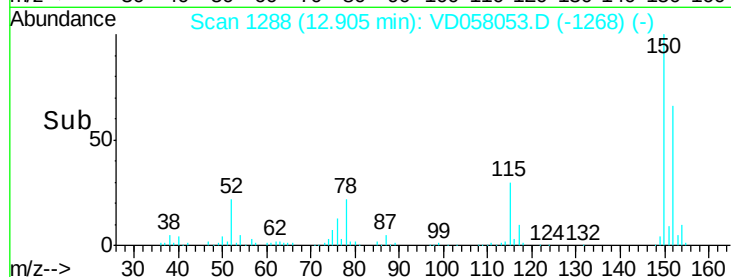
150 152.6 0.0 306.8



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: 173.008 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058053.D

Acq: 9 Jun 2018 9:40

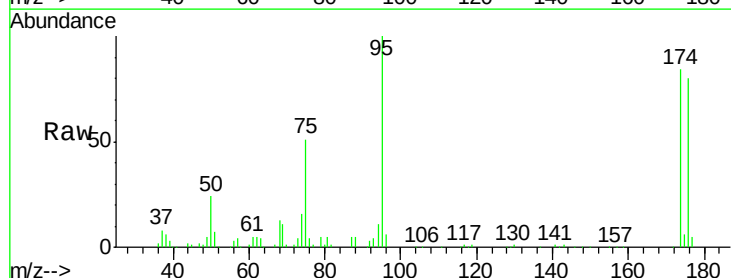
Tgt Ion: 75 Resp: 148840

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

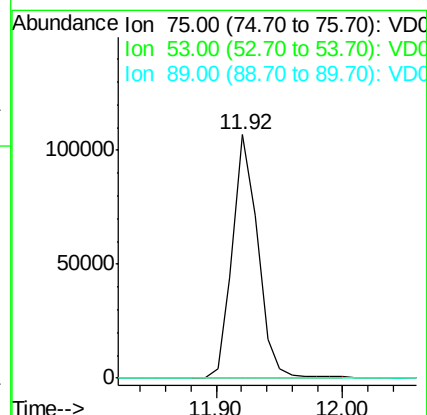
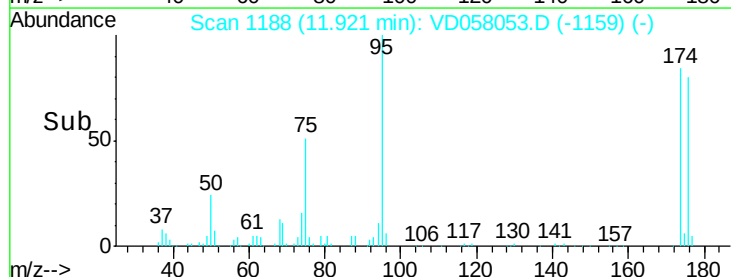
89 0.0 33.3 49.9#

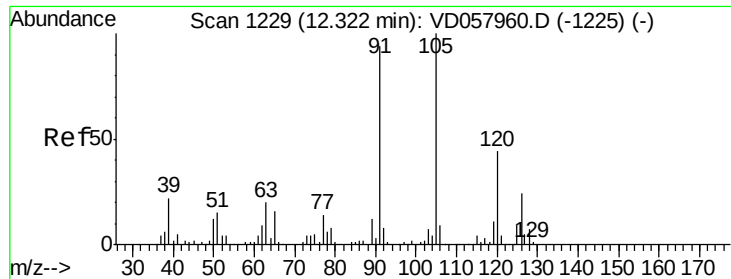


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058053.D
 Acq: 9 Jun 2018 9:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 224
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#

