

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058030.D
 Acq On : 8 Jun 2018 20:59
 Operator : VA/AP
 Sample : J3377-01
 Misc : 5.42g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:57:51 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	682247	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	930079	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	779756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	385882	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	408110	59.83	ug/l	-0.02
Spiked Amount						
			Recovery	=	119.66%	
35) Dibromofluoromethane	5.54	113	425339	59.11	ug/l	-0.02
Spiked Amount						
			Recovery	=	118.22%	
50) Toluene-d8	8.69	98	976994	57.11	ug/l	-0.02
Spiked Amount						
			Recovery	=	114.22%	
62) 4-Bromofluorobenzene	11.92	95	428077	57.36	ug/l	0.00
Spiked Amount						
			Recovery	=	114.72%	

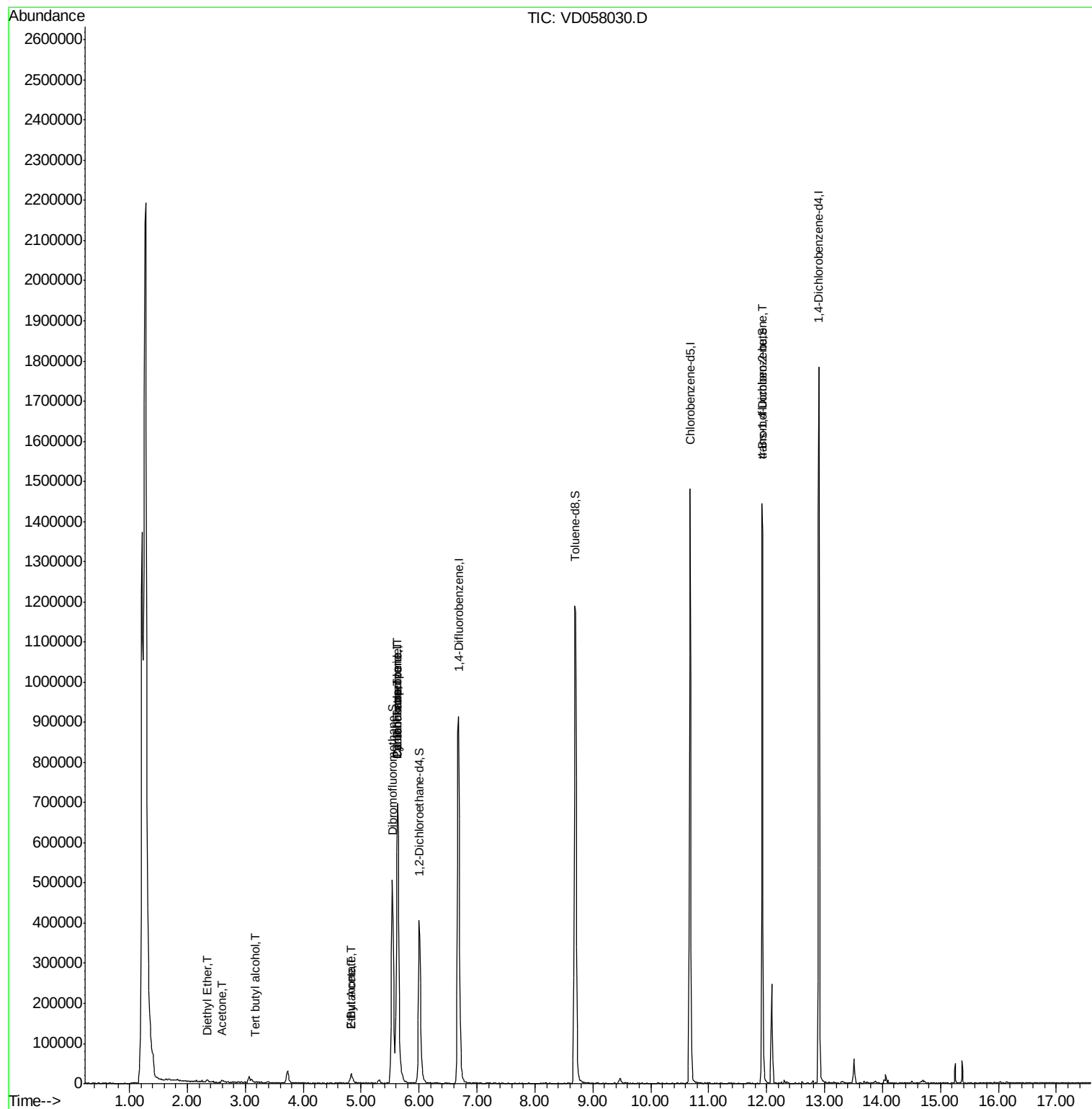
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.34	74	1738	1.568	ug/l	42
11) Tert butyl alcohol	3.18	59	196	1.073	ug/l #	74
16) Acetone	2.60	43	11737	11.944	ug/l	92
20) Methylene Chloride	3.07	84	5775	Below Cal	#	77
25) 2-Butanone	4.84	43	5887	2.636	ug/l #	64
31) Cyclohexane	5.63	56	17320	1.460	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	60571	5.911	ug/l #	52
37) Ethyl Acetate	4.84	43	5887	1.053	ug/l #	82
38) Carbon Tetrachloride	5.63	117	57361	5.680	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	208938	145.530	ug/l #	6
82) 4-Chlorotoluene	12.31	91	563	Below Cal	#	50

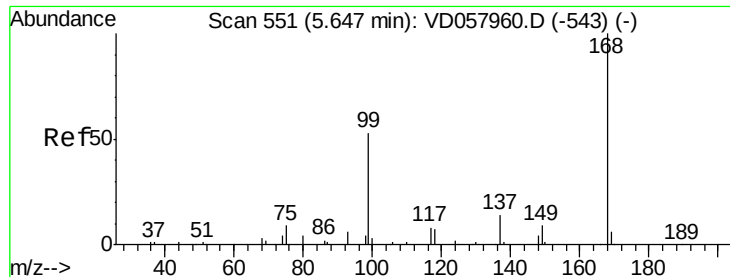
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058030.D

Acq: 8 Jun 2018 20:59

Instrument :

MSVOA_D

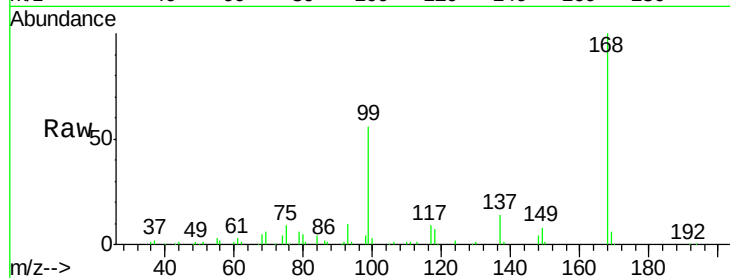
ClientSampleId :

Tot Ion:168 Resp: 682247

Ion Ratio Lower Upper

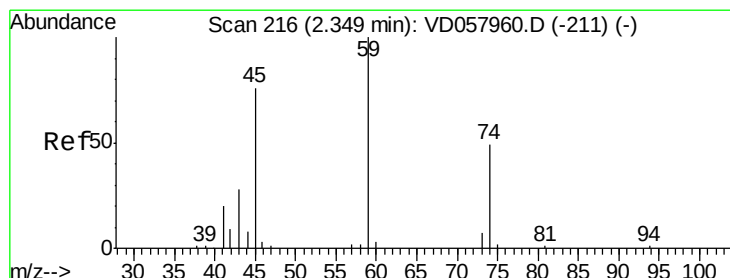
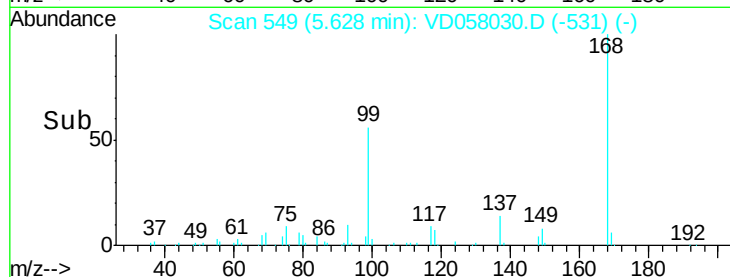
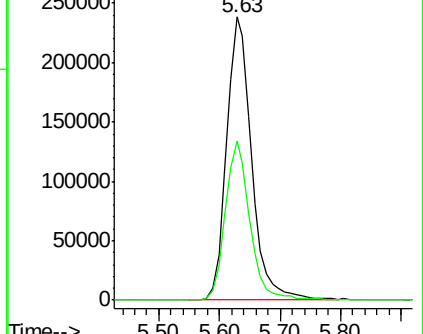
168 100

99 56.5 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: 1.568 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.01 min

Lab File: VD058030.D

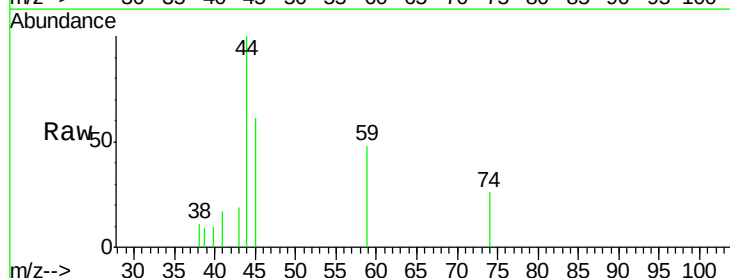
Acq: 8 Jun 2018 20:59

Tgt Ion: 74 Resp: 1738

Ion Ratio Lower Upper

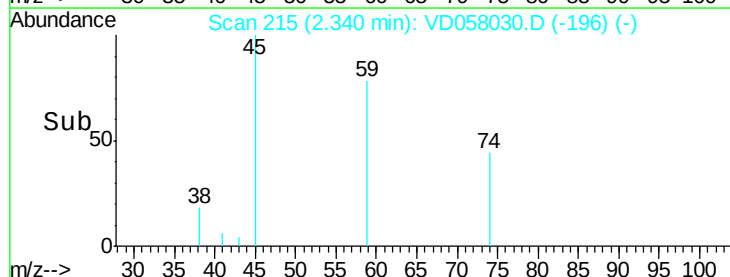
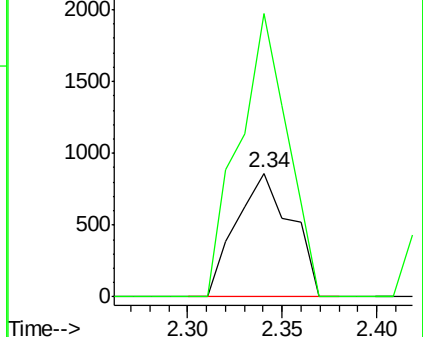
74 100

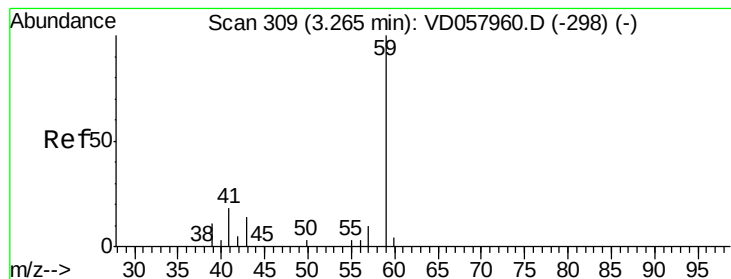
45 228.9 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



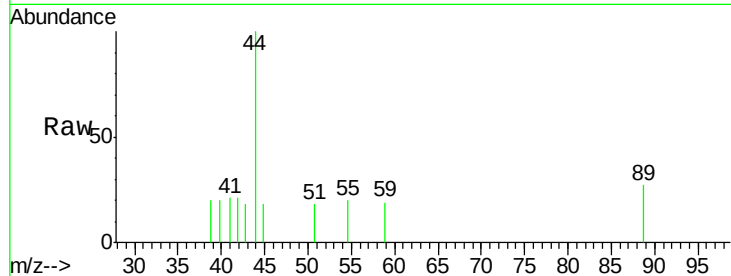


#11

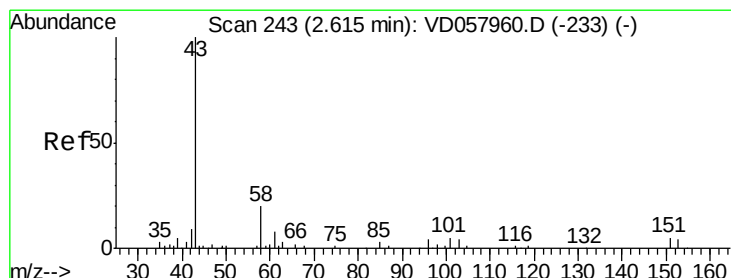
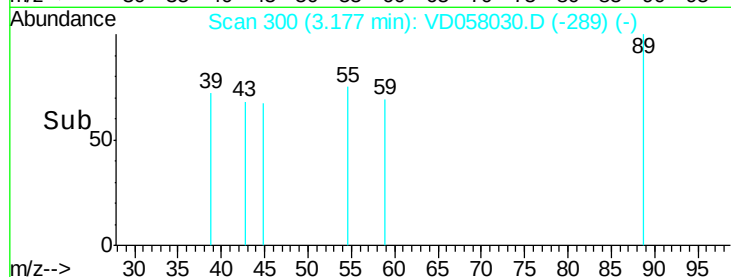
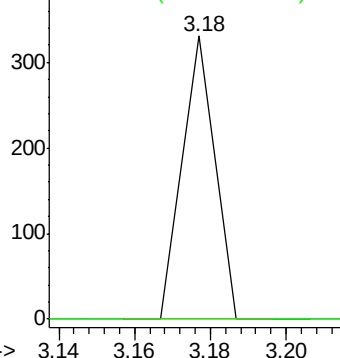
Tert butyl alcohol
 Concen: 1.073 ug/l
 RT: 3.18 min Scan# 300
 Delta R.T. -0.09 min
 Lab File: VD058030.D
 Acq: 8 Jun 2018 20:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 196
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



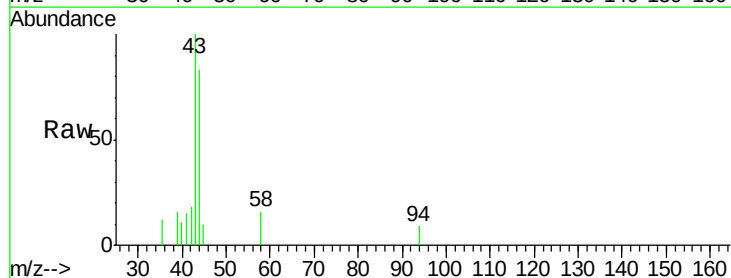
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



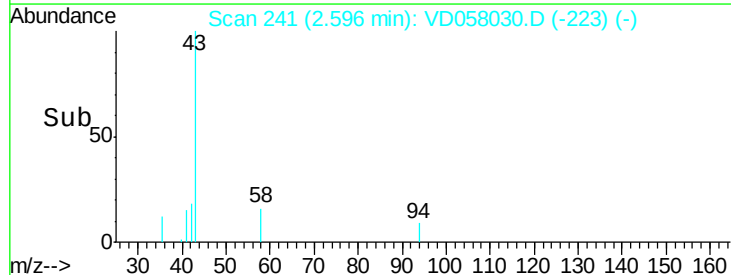
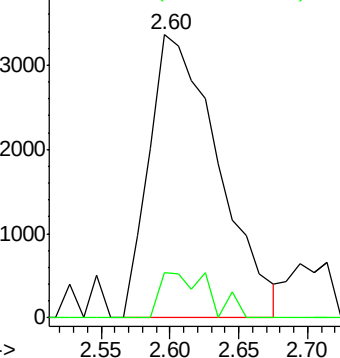
#16

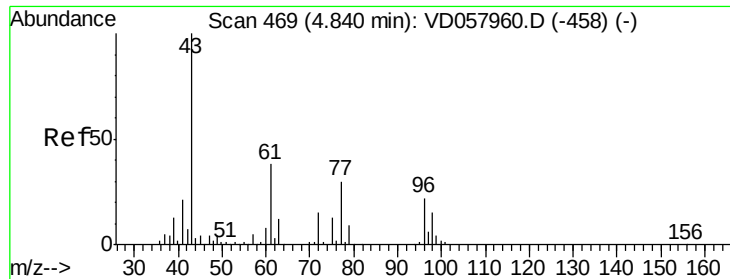
Acetone
 Concen: 11.944 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD058030.D
 Acq: 8 Jun 2018 20:59

Tgt Ion: 43 Resp: 11737
 Ion Ratio Lower Upper
 43 100
 58 16.0 15.8 23.8



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





#25

2-Butanone

Concen: 2.636 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058030.D

Acq: 8 Jun 2018 20:59

Instrument :

MSVOA_D

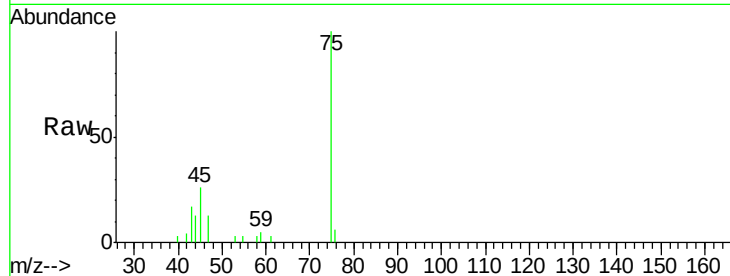
ClientSampleId :

Tot Ion: 43 Resp: 5887

Ion Ratio Lower Upper

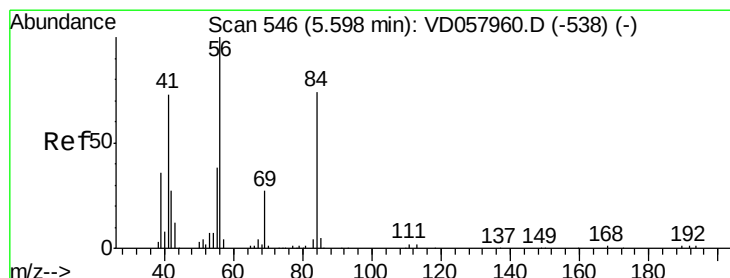
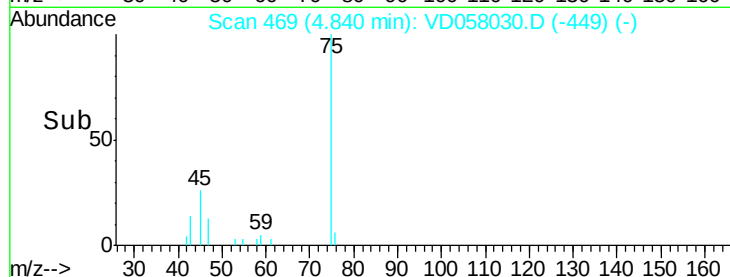
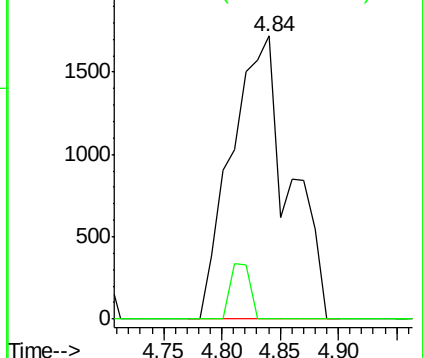
43 100

72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.460 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD058030.D

Acq: 8 Jun 2018 20:59

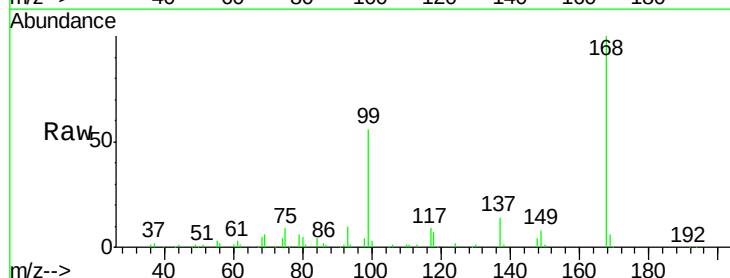
Tgt Ion: 56 Resp: 17320

Ion Ratio Lower Upper

56 100

69 221.0 21.5 32.3#

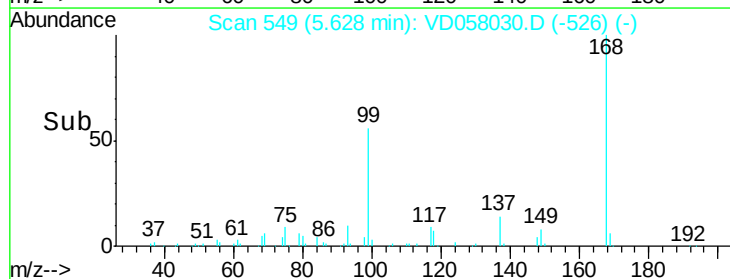
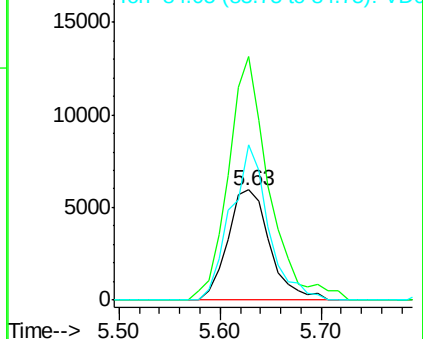
84 140.5 61.0 91.6#

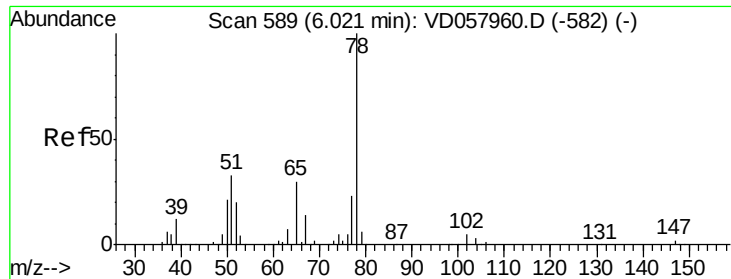


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

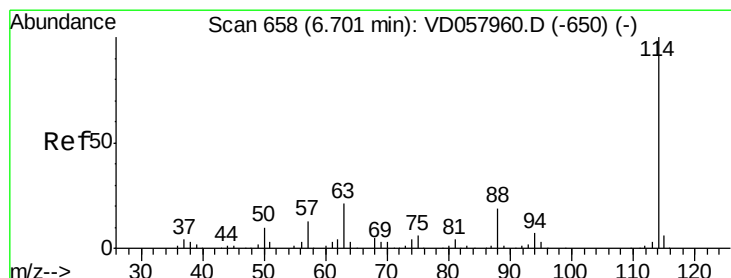
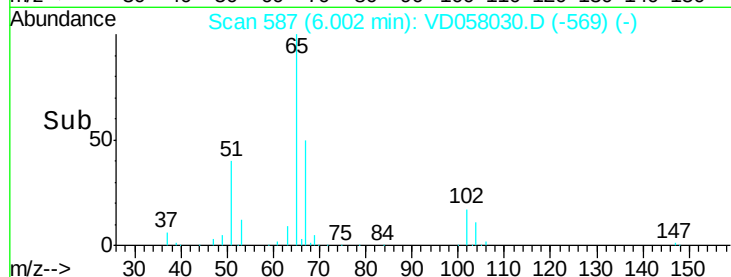
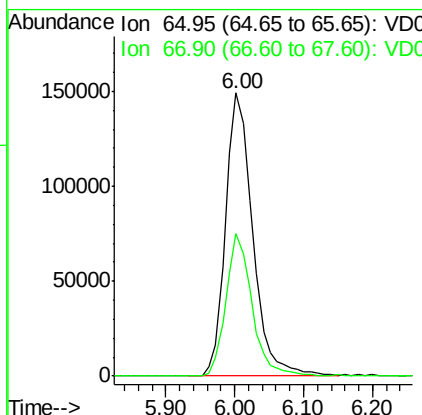
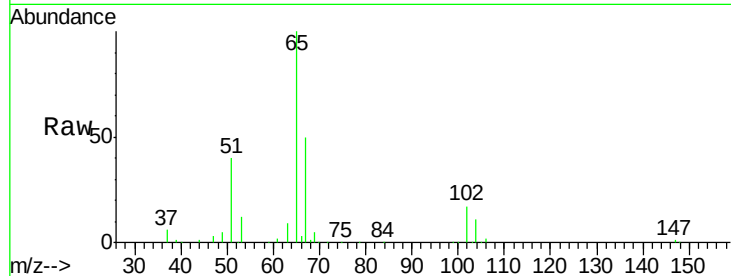




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058030.D
 Acq: 8 Jun 2018 20:59

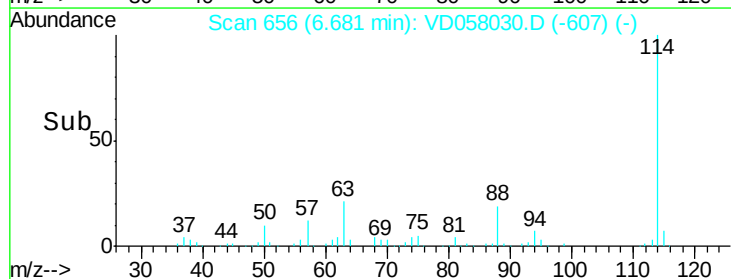
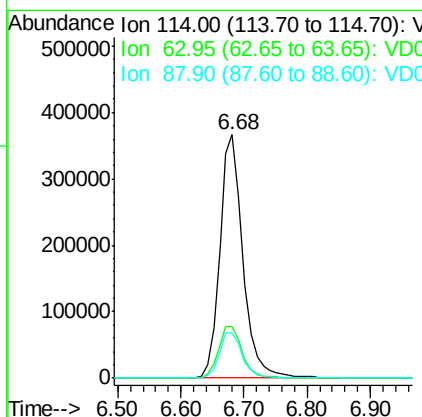
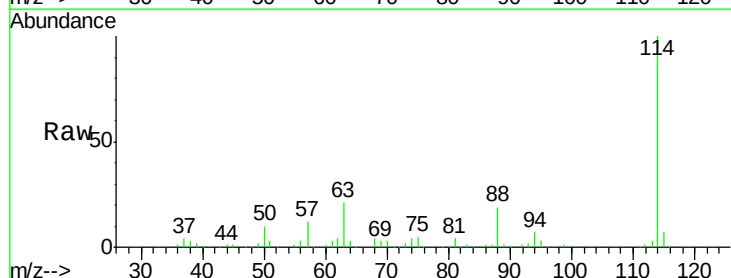
Instrument :
 MSVOA_D
 ClientSampleId :

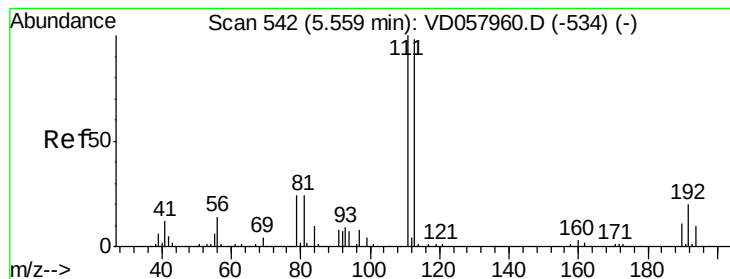
Tot Ion: 65 Resp: 408110
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058030.D
 Acq: 8 Jun 2018 20:59

Tgt Ion: 114 Resp: 930079
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 18.6 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: VD058030.D

Acq: 8 Jun 2018 20:59

Instrument :
MSVOA_D
ClientSampleId :

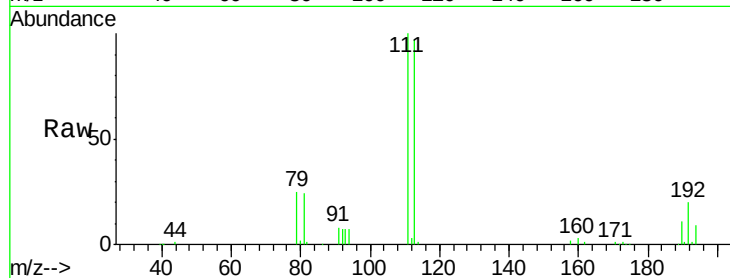
Tot Ion:113 Resp: 425339

Ion Ratio Lower Upper

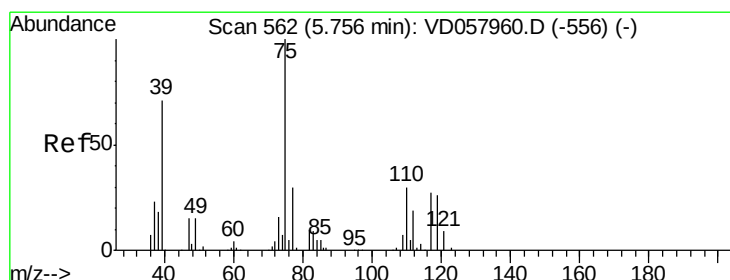
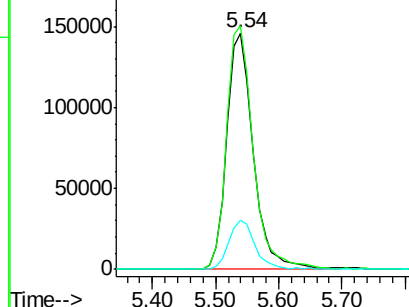
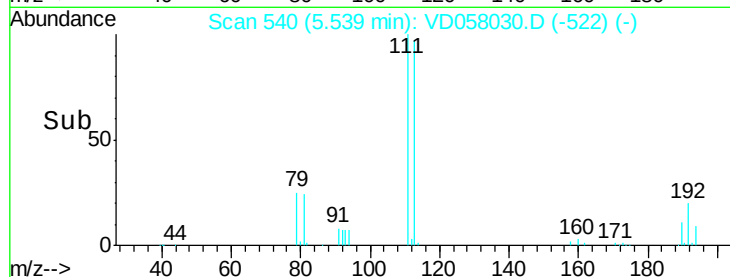
113 100

111 102.9 81.5 122.3

192 20.8 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: 5.911 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058030.D

Acq: 8 Jun 2018 20:59

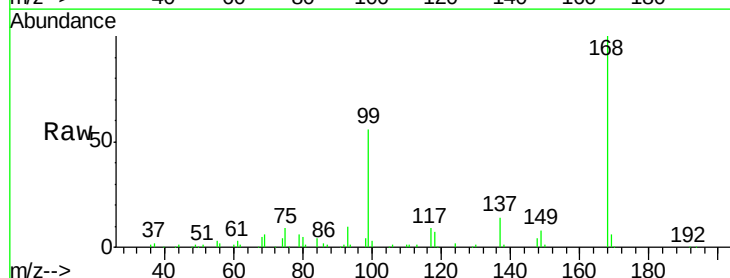
Tgt Ion: 75 Resp: 60571

Ion Ratio Lower Upper

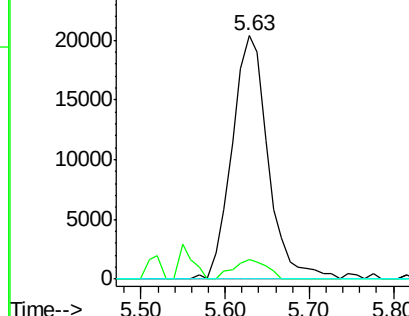
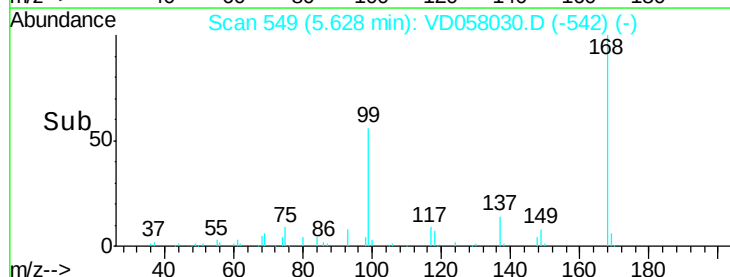
75 100

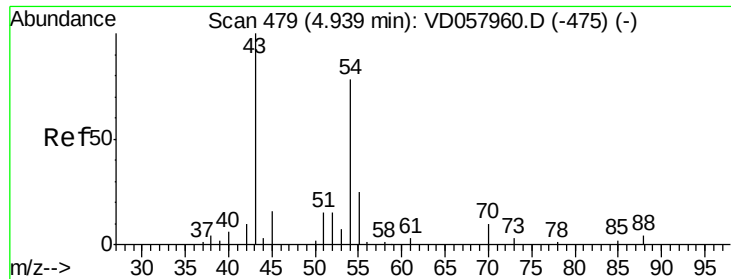
110 8.1 14.8 44.3#

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

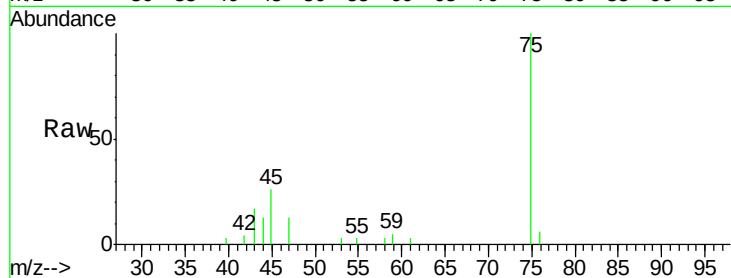




#37
Ethyl Acetate
Concen: 1.053 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.10 min
Lab File: VD058030.D
Acq: 8 Jun 2018 20:59

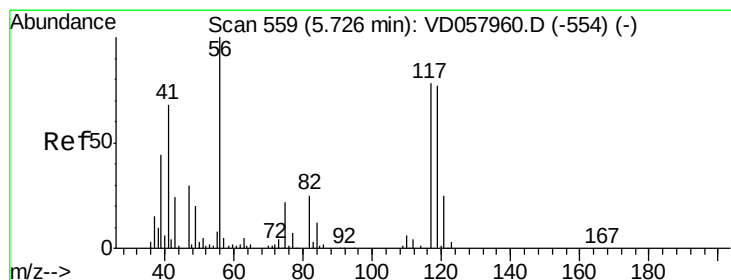
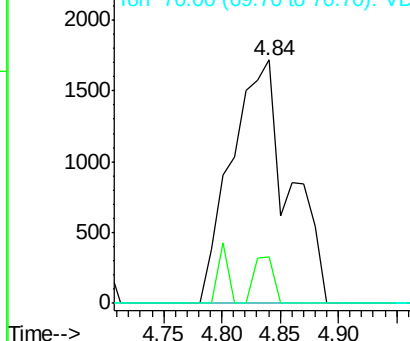
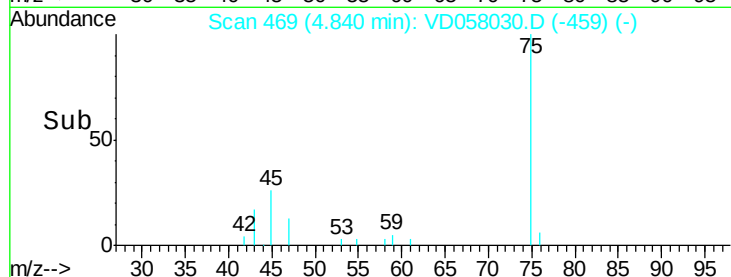
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5887
Ion Ratio Lower Upper
43 100
61 19.0 9.9 14.9#
70 0.0 5.7 8.5#



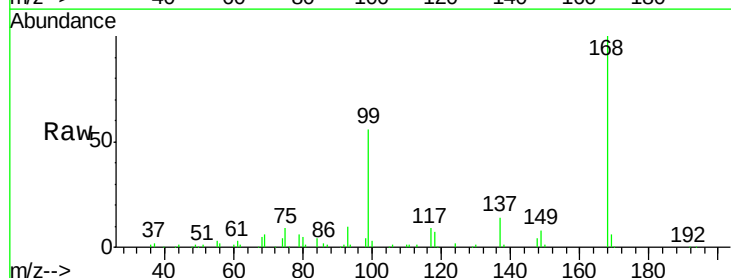
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

4.84



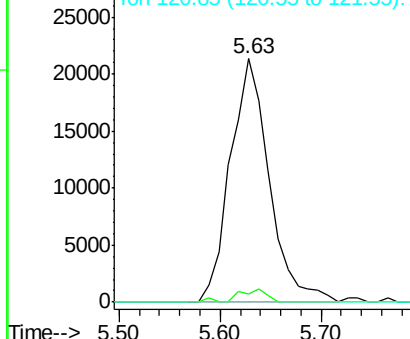
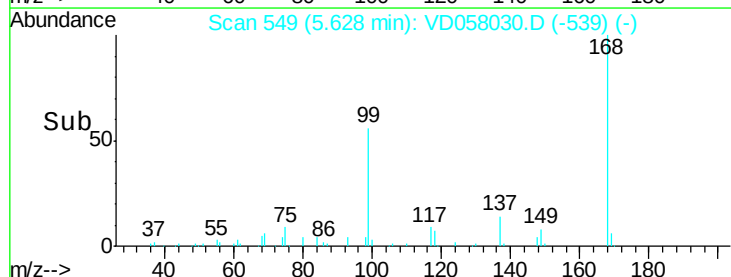
#38
Carbon Tetrachloride
Concen: 5.680 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD058030.D
Acq: 8 Jun 2018 20:59

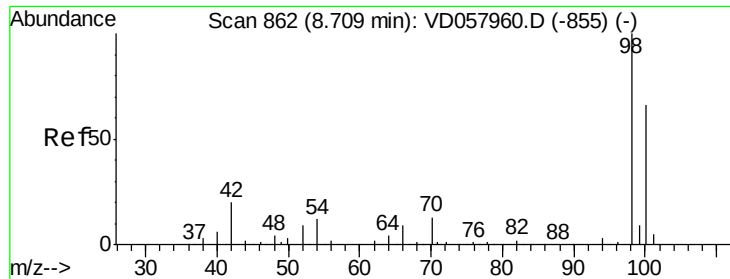
Tgt Ion: 117 Resp: 57361
Ion Ratio Lower Upper
117 100
119 3.1 76.1 114.1#
121 0.0 24.9 37.3#



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

5.63

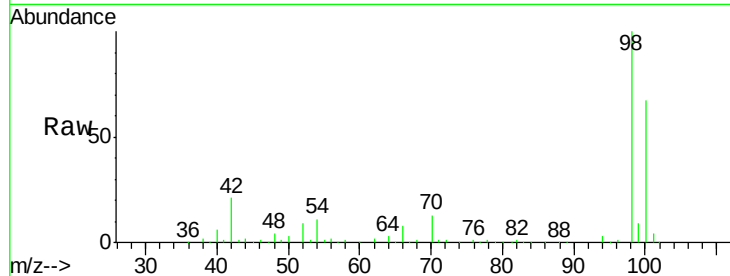




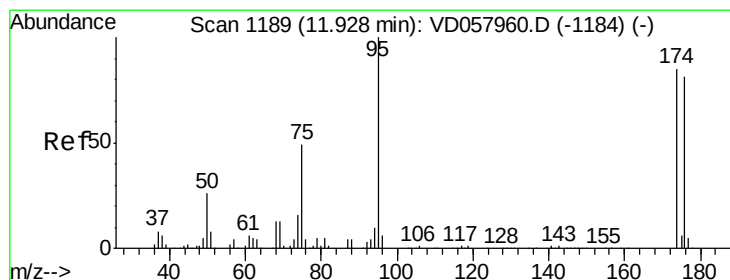
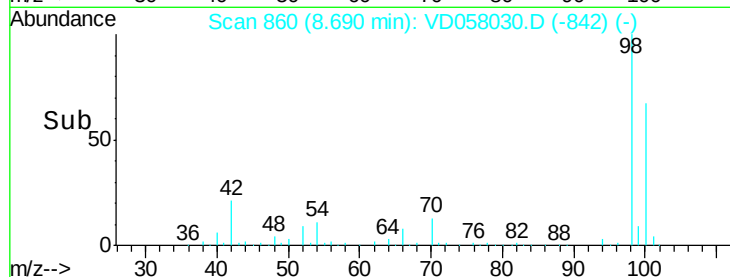
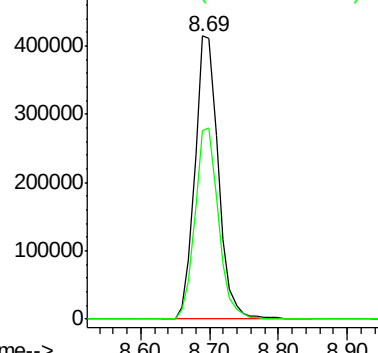
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD058030.D
Acq: 8 Jun 2018 20:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 976994
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0

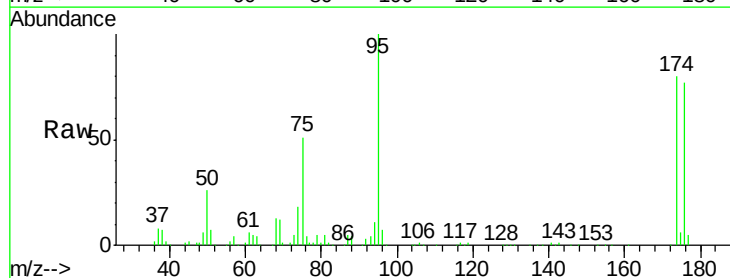


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

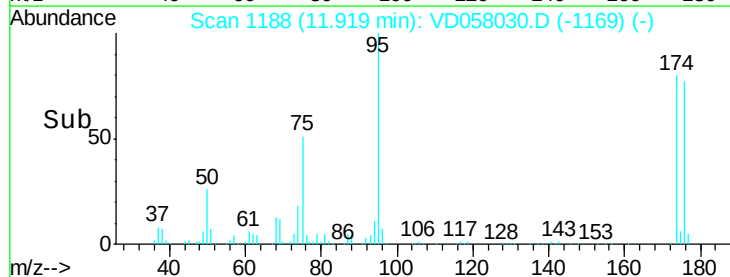
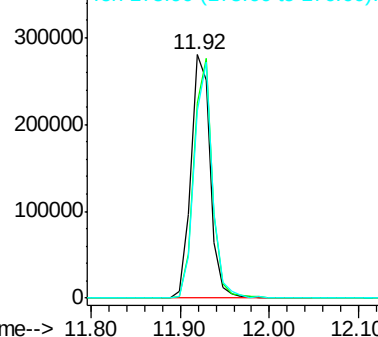


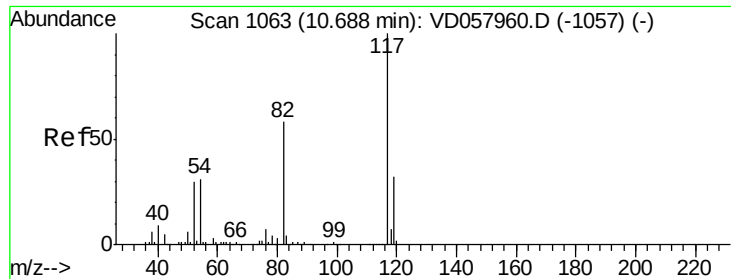
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058030.D
Acq: 8 Jun 2018 20:59

Tgt Ion: 95 Resp: 428077
Ion Ratio Lower Upper
95 100
174 80.0 0.0 169.4
176 76.9 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

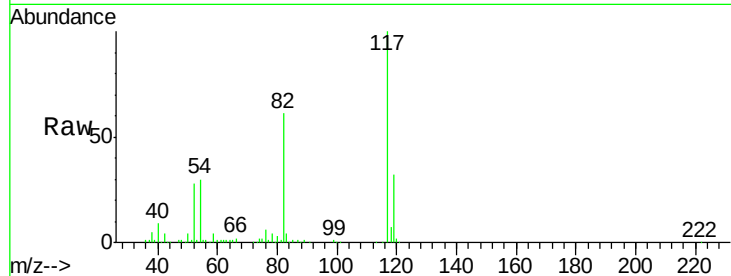




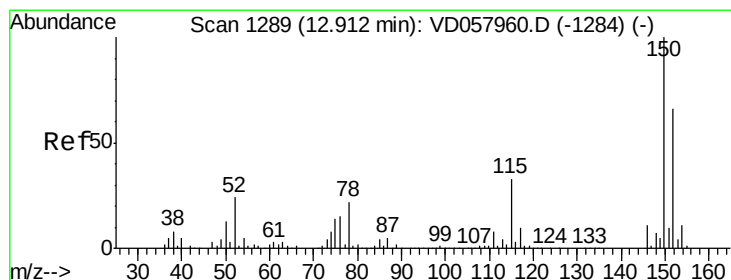
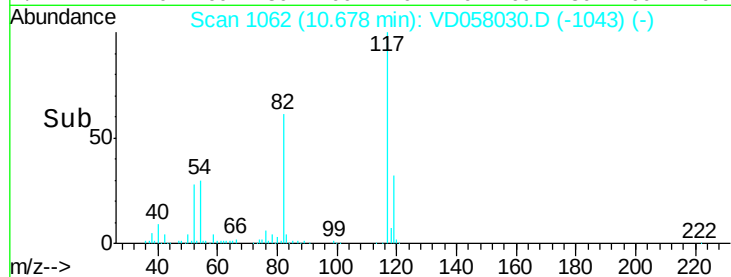
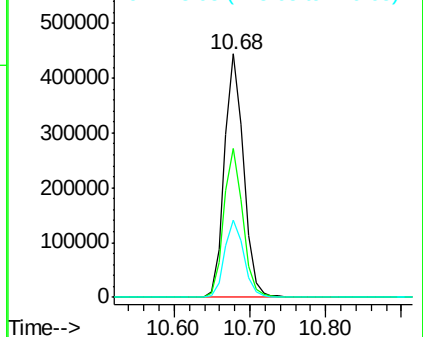
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058030.D
Acq: 8 Jun 2018 20:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 779756
Ion Ratio Lower Upper
117 100
82 60.9 46.8 70.2
119 31.9 25.8 38.6

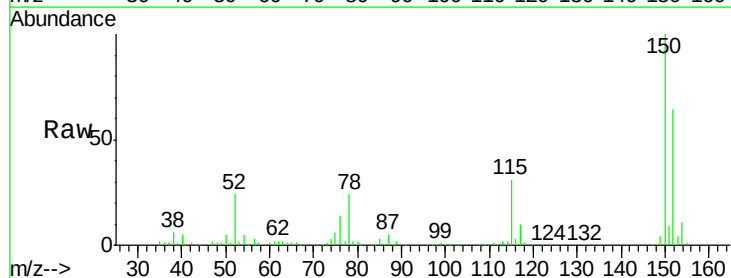


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

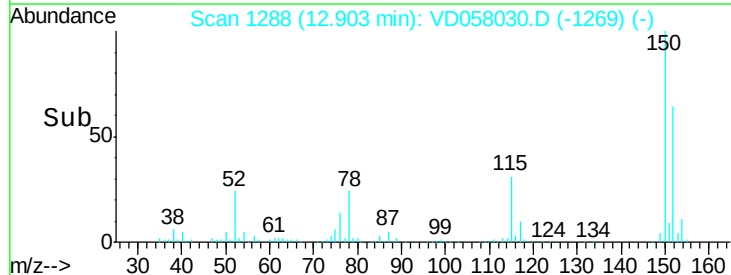
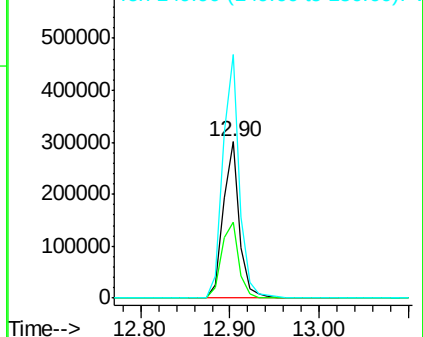


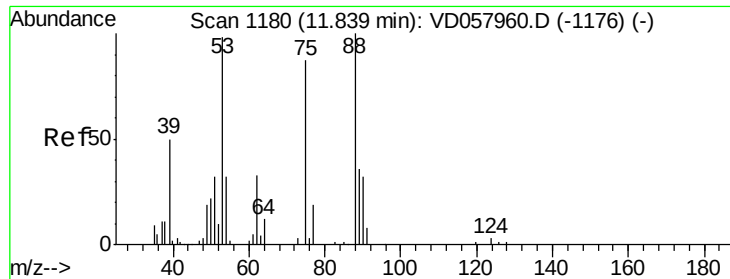
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058030.D
Acq: 8 Jun 2018 20:59

Tgt Ion:152 Resp: 385882
Ion Ratio Lower Upper
152 100
115 48.3 25.6 76.6
150 155.9 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: 145.530 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058030.D

Acq: 8 Jun 2018 20:59

Instrument :

MSVOA_D

ClientSampleId :

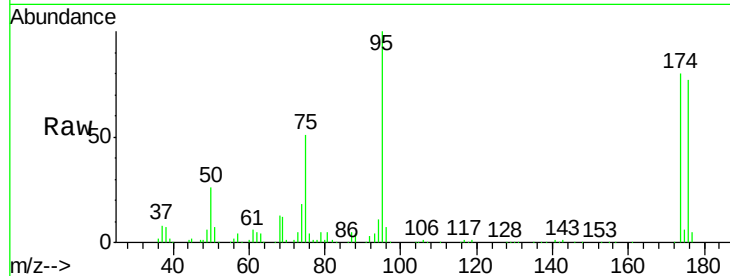
Tot Ion: 75 Resp: 208938

Ion Ratio Lower Upper

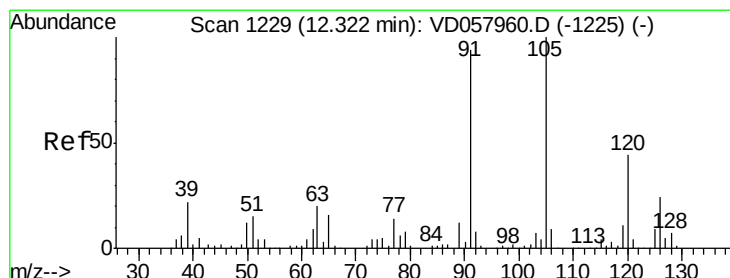
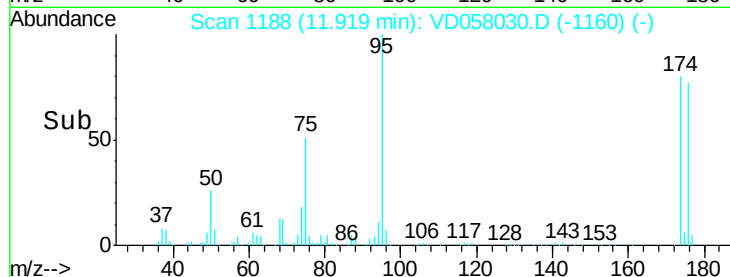
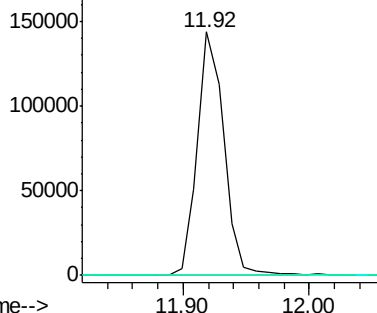
75 100

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: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058030.D

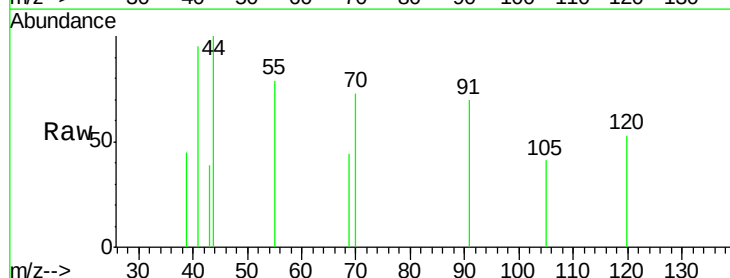
Acq: 8 Jun 2018 20:59

Tgt Ion: 91 Resp: 563

Ion Ratio Lower Upper

91 100

126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

