

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058048.D
 Acq On : 9 Jun 2018 7:19
 Operator : VA/AP
 Sample : J3353-03
 Misc : 6.16g/5ml/MSVOA D/SOIL
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:06:32 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	292620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	481764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	289730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	53571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	273615	93.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.06%	
35) Dibromofluoromethane	5.55	113	282226	75.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.44%	
50) Toluene-d8	8.70	98	440511	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.93	95	107239	27.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.48%	

Target Compounds

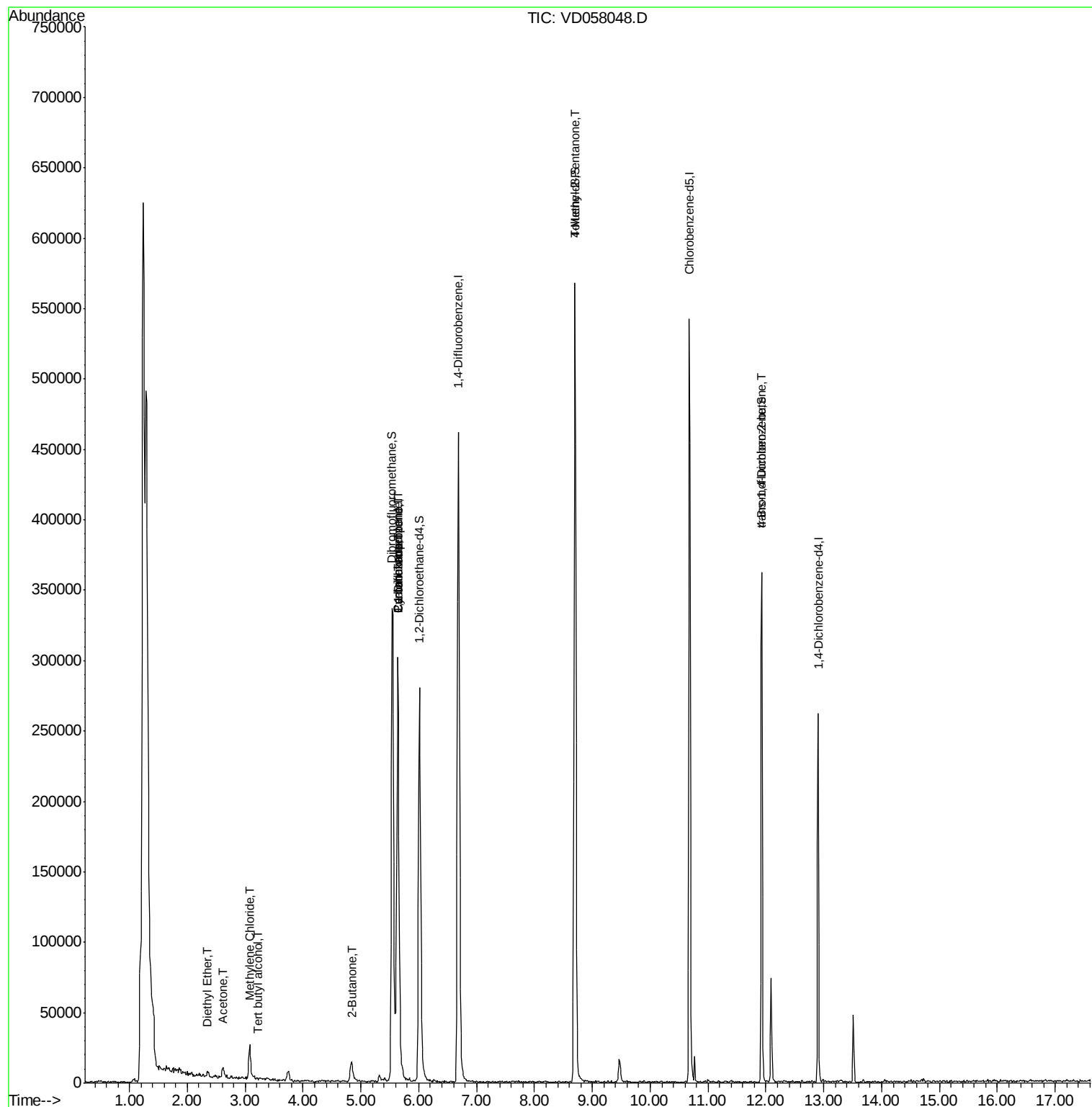
					Qvalue	
8) Diethyl Ether	2.35	74	958	2.015	ug/l	92
11) Tert butyl alcohol	3.22	59	274	3.496	ug/l #	74
16) Acetone	2.61	43	17713	42.026	ug/l #	90
20) Methylene Chloride	3.08	84	10637	3.066	ug/l #	79
25) 2-Butanone	4.84	43	2781	2.903	ug/l #	64
31) Cyclohexane	5.63	56	5919	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	27375	5.158	ug/l #	51
38) Carbon Tetrachloride	5.64	117	22485	4.298	ug/l #	17
51) 4-Methyl-2-Pentanone	8.69	43	2963	1.218	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	48497	243.318	ug/l #	6
82) 4-Chlorotoluene	12.32	91	308	Below Cal	#	50
89) n-Butylbenzene	13.19	91	583	Below Cal	#	30

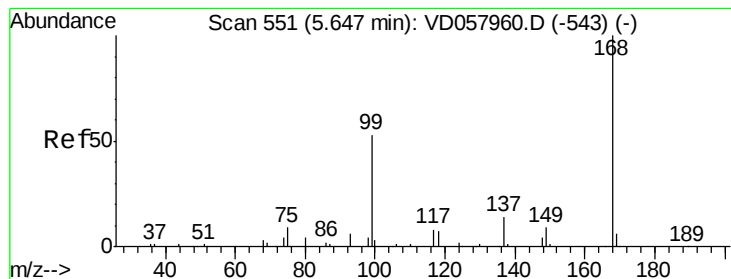
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Time: Jun 11 04:06:32 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: VD058048.D

Acq: 9 Jun 2018 7:19

Instrument :

MSVOA_D

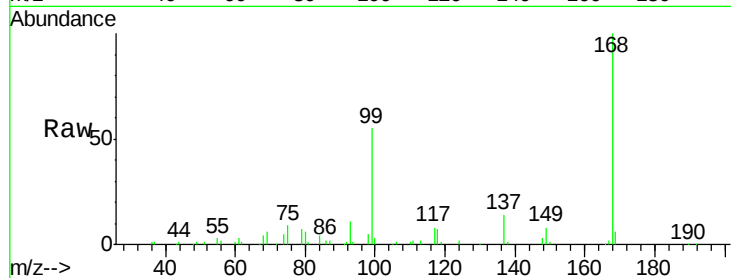
ClientSampleId :

Tot Ion:168 Resp: 292620

Ion Ratio Lower Upper

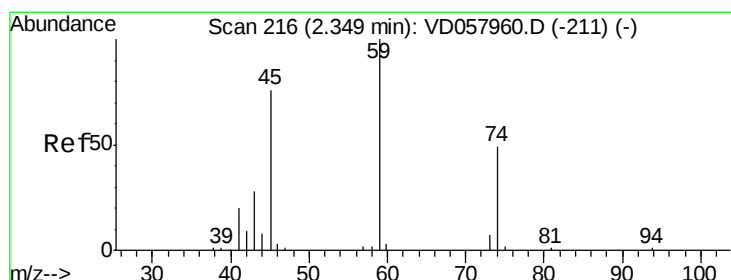
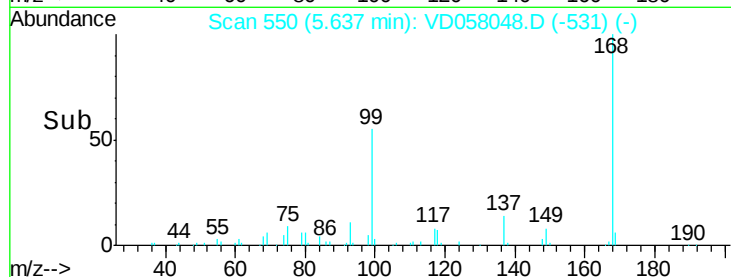
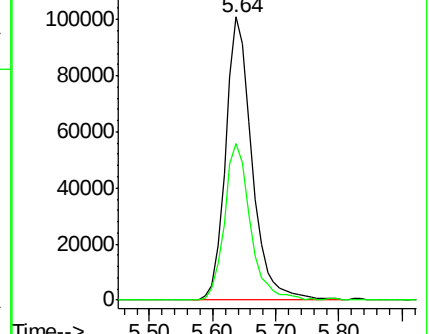
168 100

99 55.3 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: 2.015 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: VD058048.D

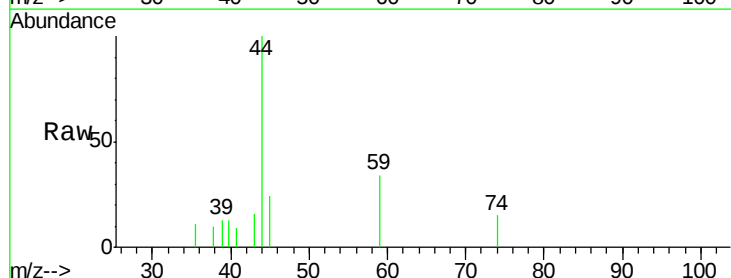
Acq: 9 Jun 2018 7:19

Tgt Ion: 74 Resp: 958

Ion Ratio Lower Upper

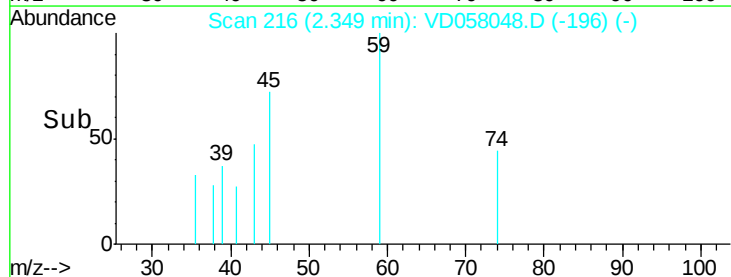
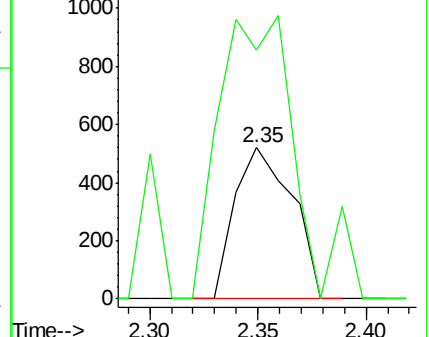
74 100

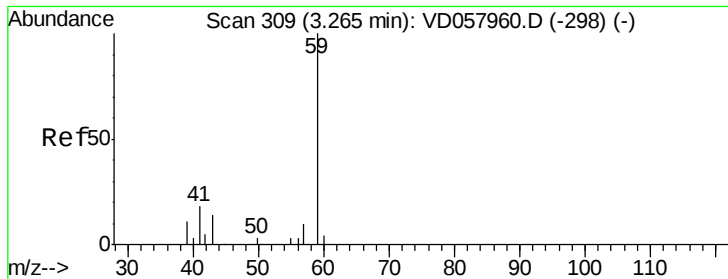
45 165.0 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



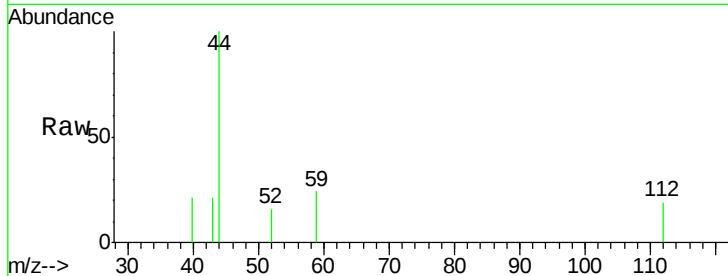


#11

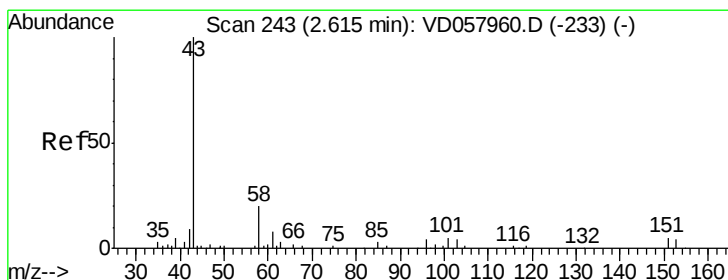
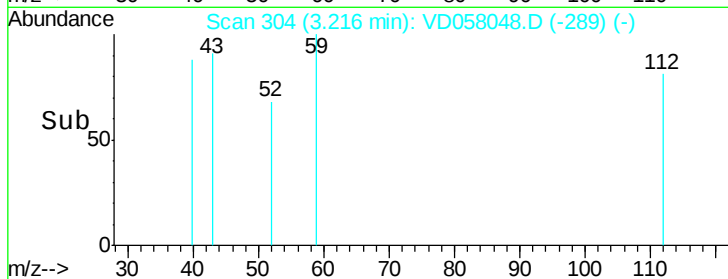
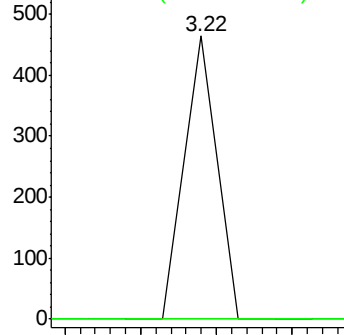
Tert butyl alcohol
 Concen: 3.496 ug/l
 RT: 3.22 min Scan# 304
 Delta R.T. -0.05 min
 Lab File: VD058048.D
 Acq: 9 Jun 2018 7:19

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 274
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



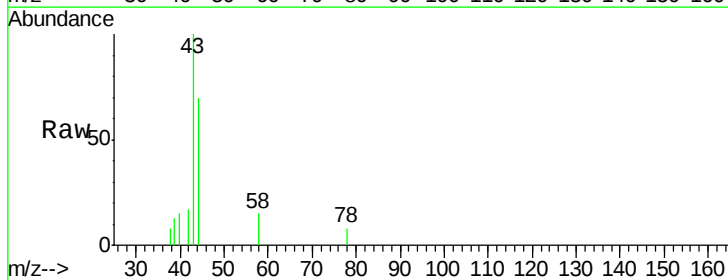
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



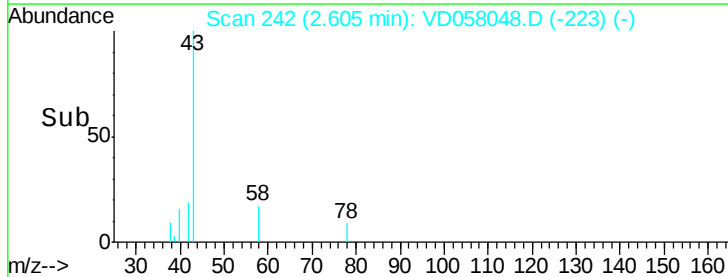
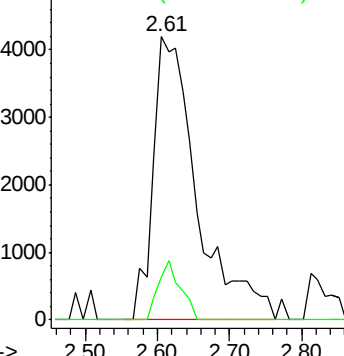
#16

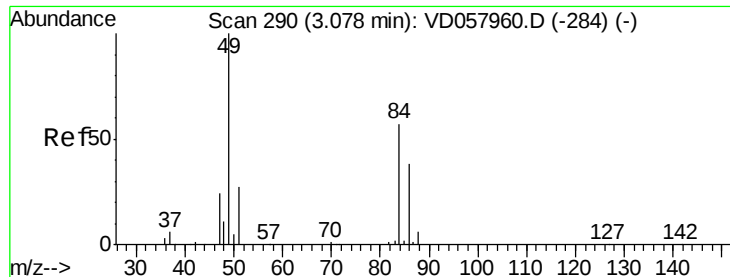
Acetone
 Concen: 42.026 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD058048.D
 Acq: 9 Jun 2018 7:19

Tgt Ion: 43 Resp: 17713
 Ion Ratio Lower Upper
 43 100
 58 15.2 15.8 23.8#



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

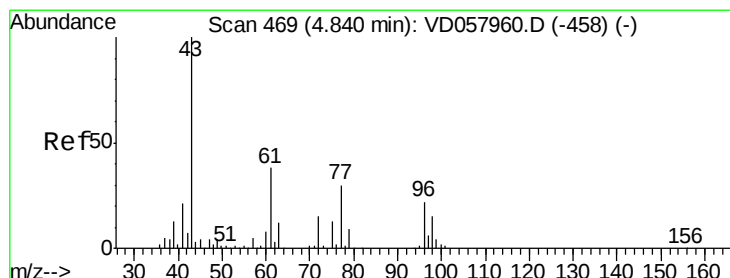
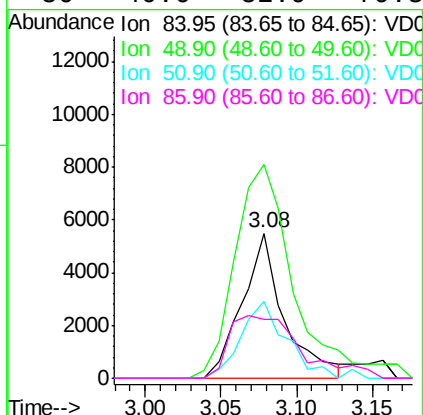
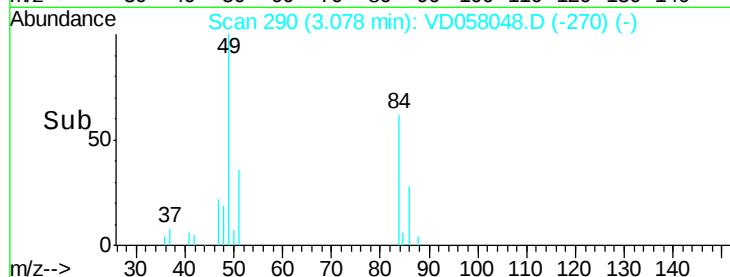
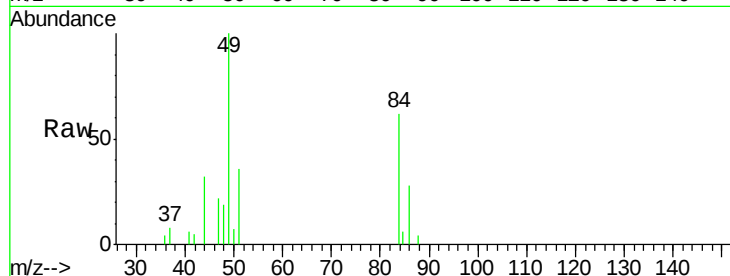




#20
Methvlene Chloride
Concen: 3.066 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

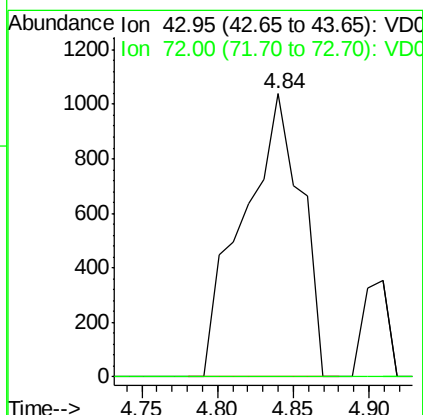
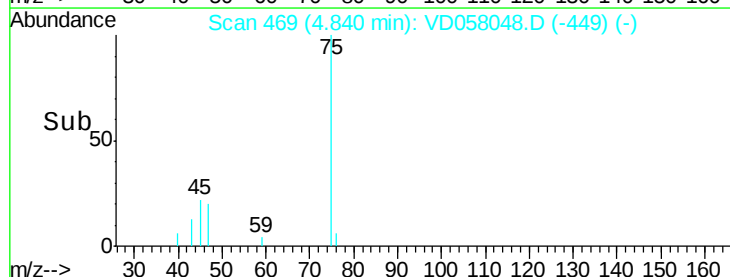
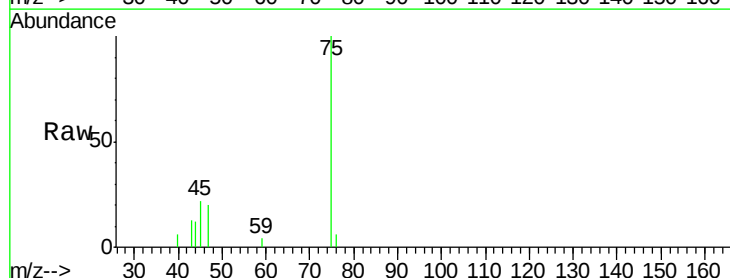
Instrument :
MSVOA_D
ClientSampled :

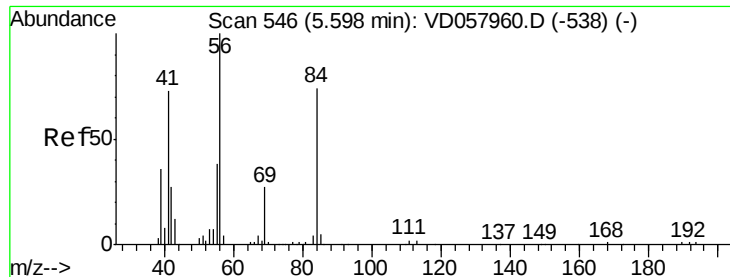
Tot Ion: 84 Resp: 10637
Ion Ratio Lower Upper
84 100
49 147.0 141.4 212.0
51 52.9 38.3 57.5
86 40.6 52.9 79.3#



#25
2-Butanone
Concen: 2.903 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Tgt Ion: 43 Resp: 2781
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#

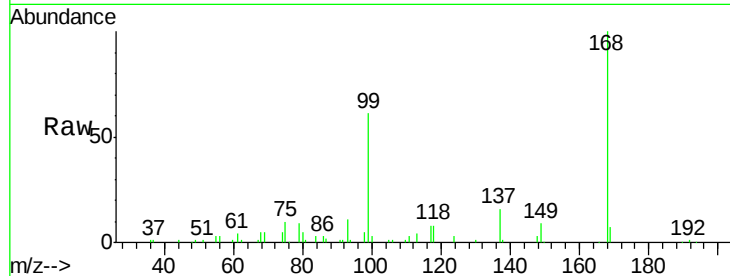




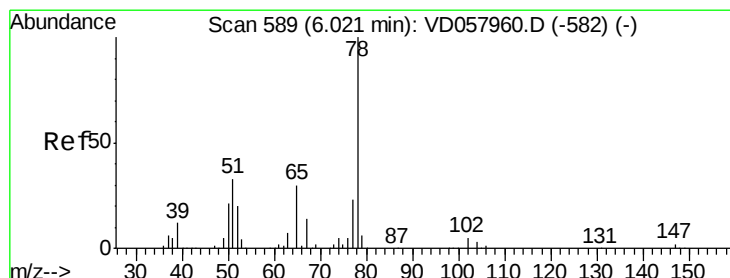
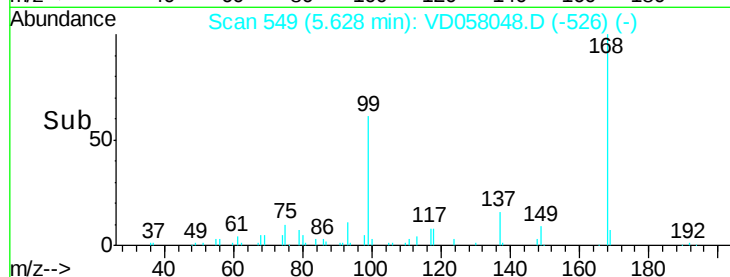
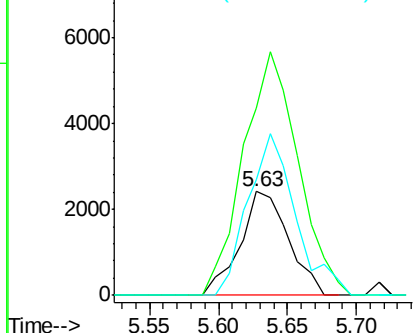
#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5919
Ion Ratio Lower Upper
56 100
69 180.4 21.5 32.3#
84 112.3 61.0 91.6#

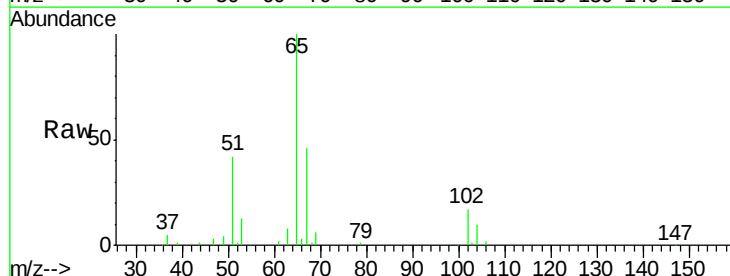


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

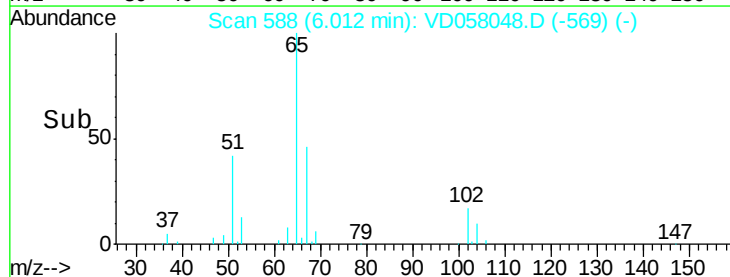
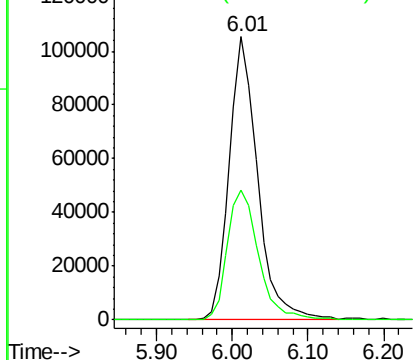


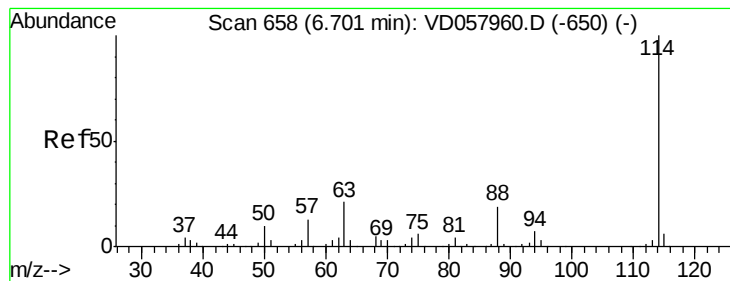
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Tgt Ion: 65 Resp: 273615
Ion Ratio Lower Upper
65 100
67 45.8 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# 657

Delta R.T. -0.01 min

Lab File: VD058048.D

Acq: 9 Jun 2018 7:19

Instrument :

MSVOA_D

ClientSampleId :

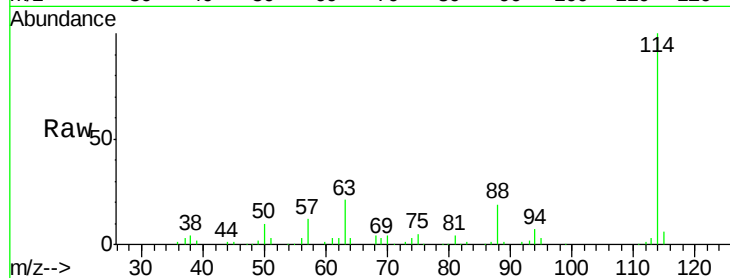
Tot Ion:114 Resp: 481764

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

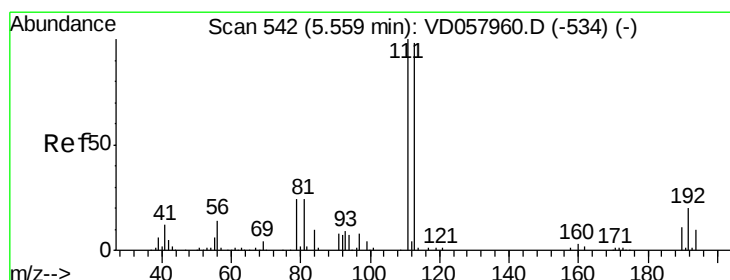
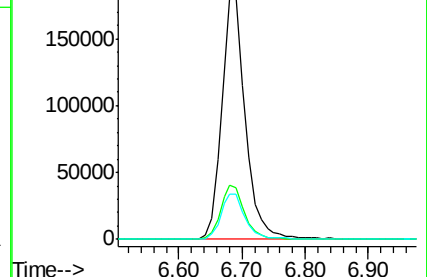
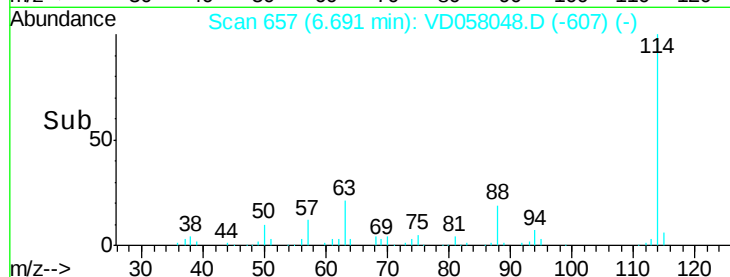
88 18.8 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058048.D

Acq: 9 Jun 2018 7:19

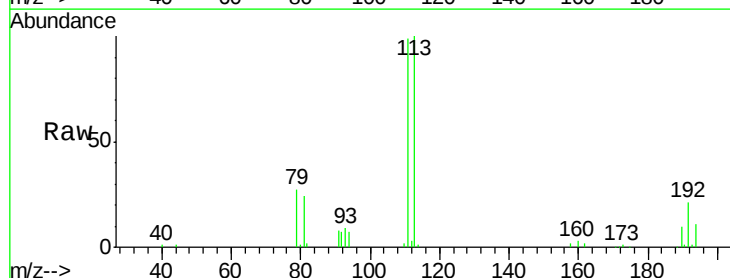
Tgt Ion:113 Resp: 282226

Ion Ratio Lower Upper

113 100

111 98.7 81.5 122.3

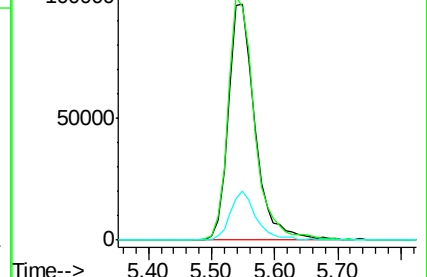
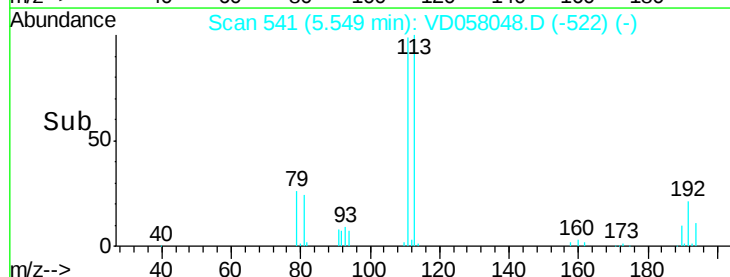
192 20.8 16.4 24.6

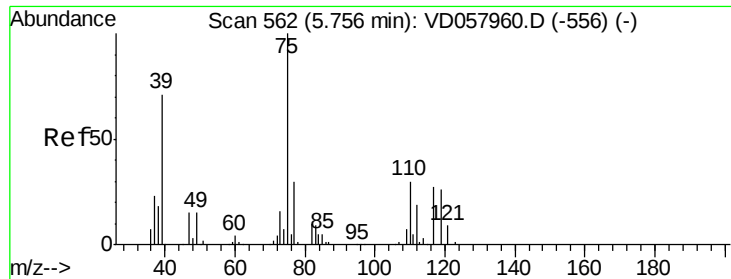


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.12 min

Lab File: VD058048.D

Acq: 9 Jun 2018 7:19

Instrument :
MSVOA_D
ClientSampleId :

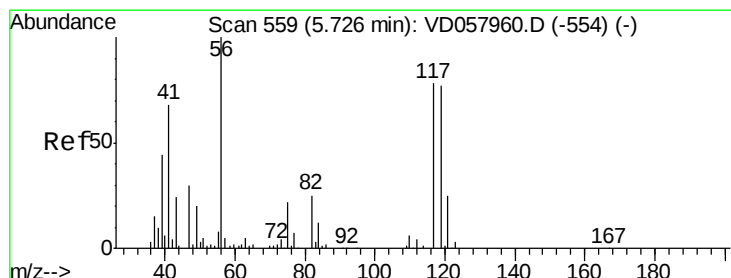
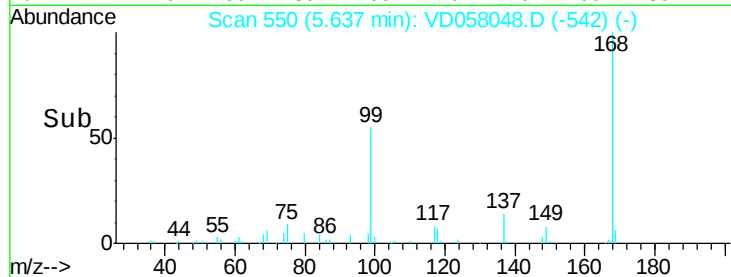
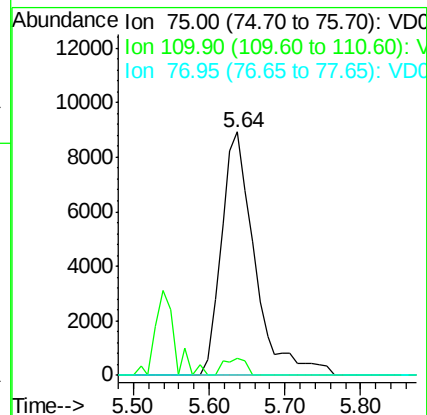
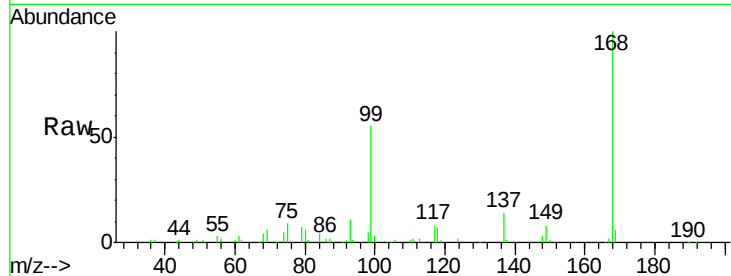
Tot Ion: 75 Resp: 27375

Ion Ratio Lower Upper

75 100

110 7.0 14.8 44.3#

77 0.0 23.9 35.9#



#38

Carbon Tetrachloride

Concen: 4.298 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058048.D

Acq: 9 Jun 2018 7:19

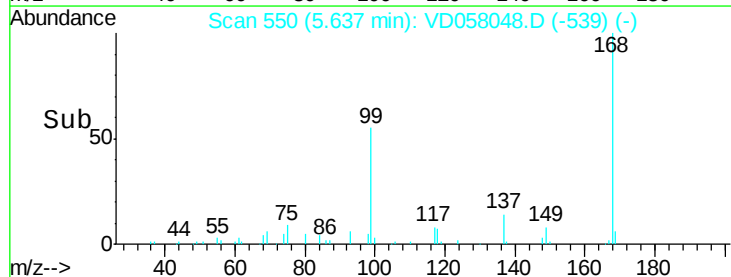
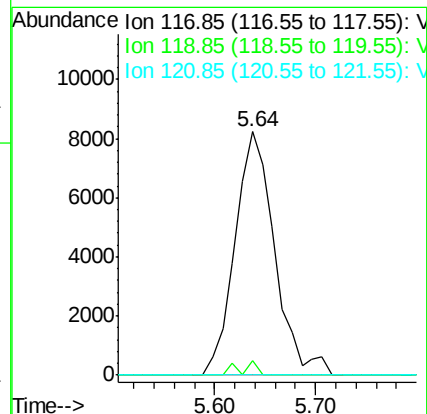
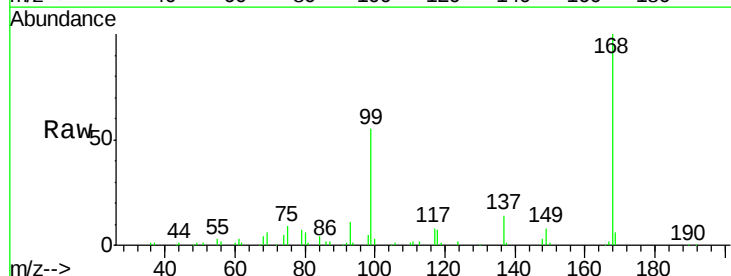
Tgt Ion: 117 Resp: 22485

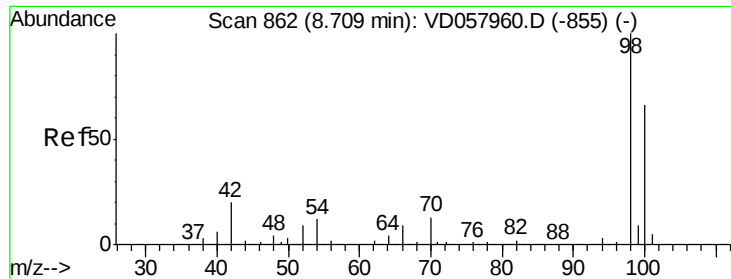
Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

121 0.0 24.9 37.3#

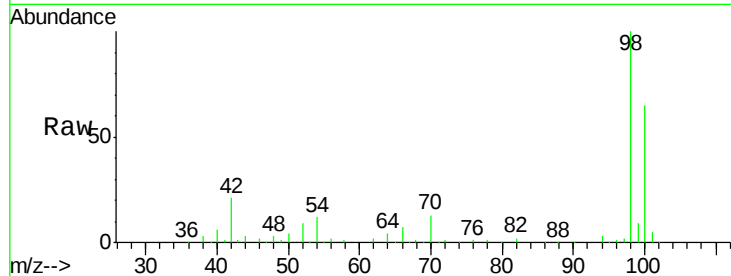




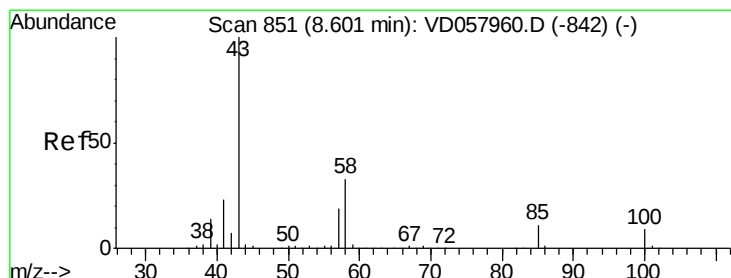
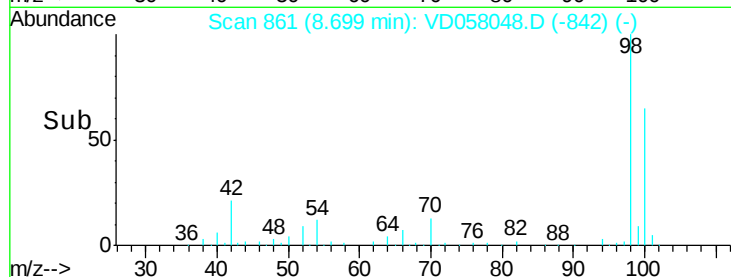
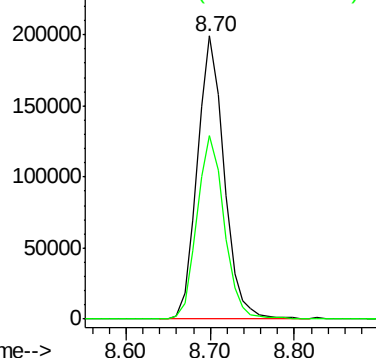
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 440511
Ion Ratio Lower Upper
98 100
100 64.8 53.4 80.0

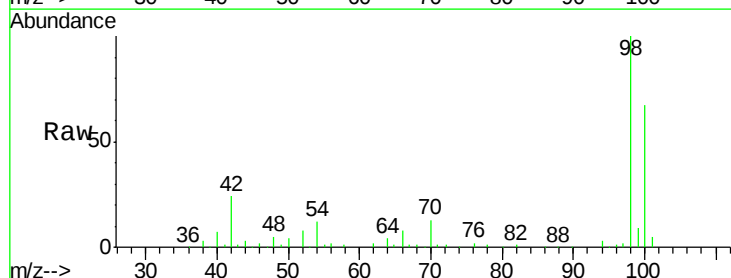


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

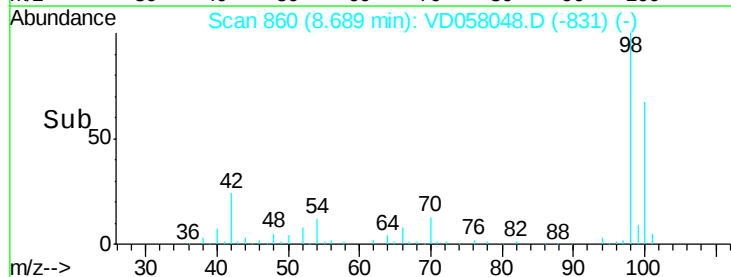
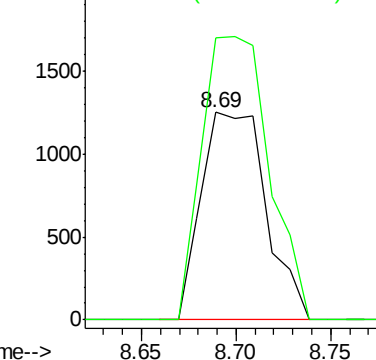


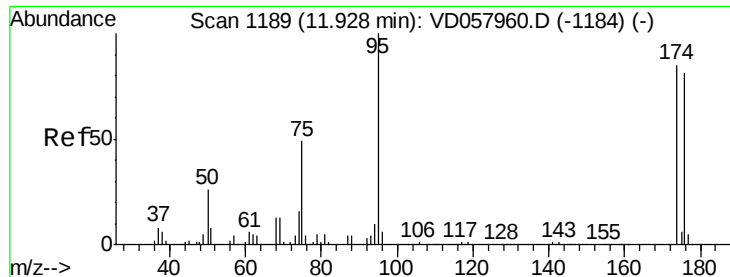
#51
4-Methyl-2-Pentanone
Concen: 1.218 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.09 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Tgt Ion: 43 Resp: 2963
Ion Ratio Lower Upper
43 100
58 135.9 26.2 39.4#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058048.D

Acq: 9 Jun 2018 7:19

Instrument :

MSVOA_D

ClientSampleId :

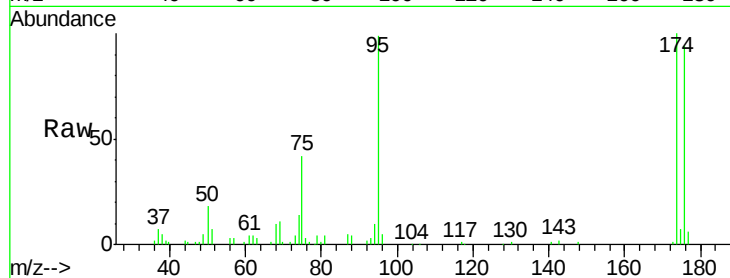
Tot Ion: 95 Resp: 107239

Ion Ratio Lower Upper

95 100

174 101.4 0.0 169.4

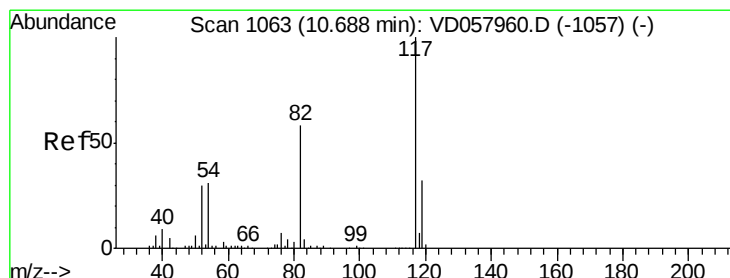
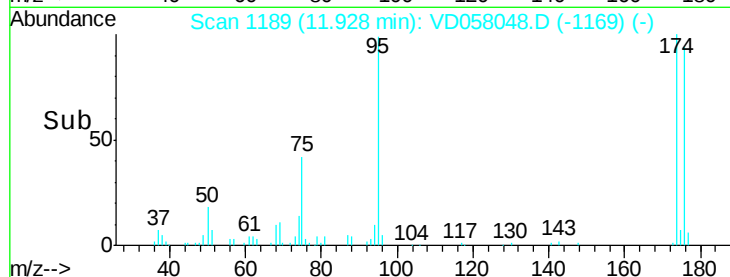
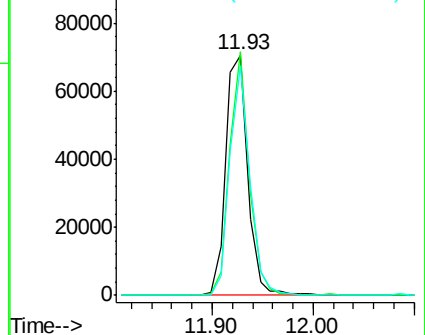
176 95.6 0.0 162.6



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: VD058048.D

Acq: 9 Jun 2018 7:19

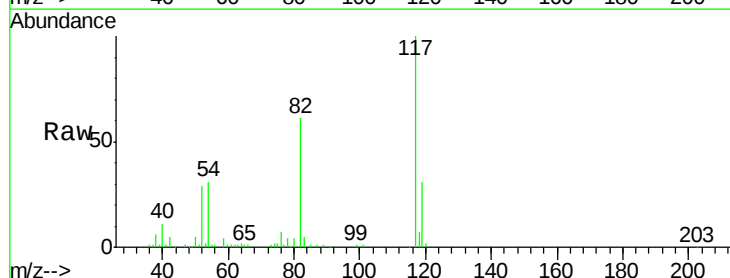
Tgt Ion: 117 Resp: 289730

Ion Ratio Lower Upper

117 100

82 61.3 46.8 70.2

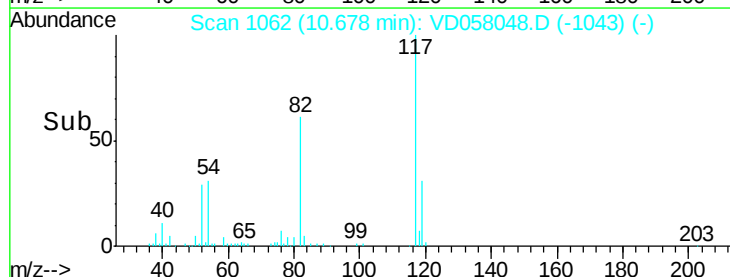
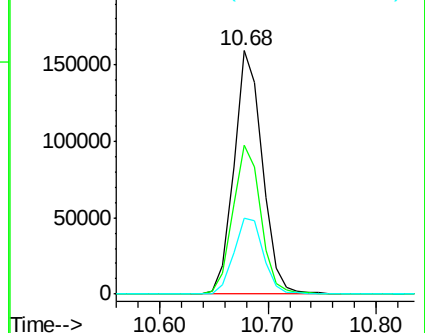
119 31.2 25.8 38.6

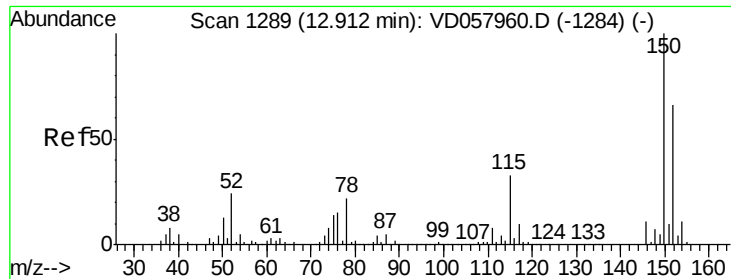


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD058048.D

Acq: 9 Jun 2018 7:19

Instrument :

MSVOA_D

ClientSampleId :

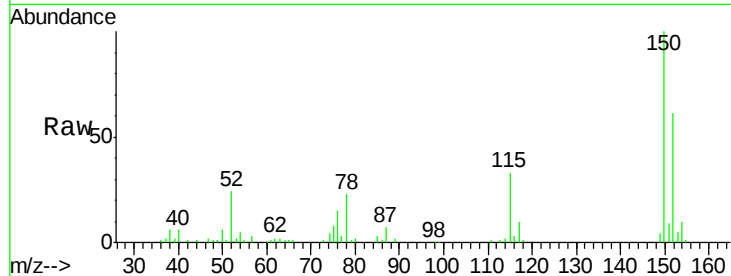
Tot Ion:152 Resp: 53571

Ion Ratio Lower Upper

152 100

115 53.7 25.6 76.6

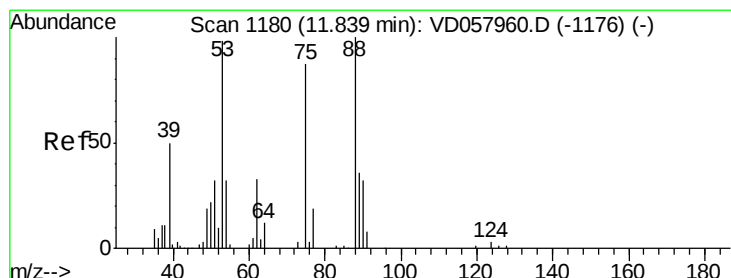
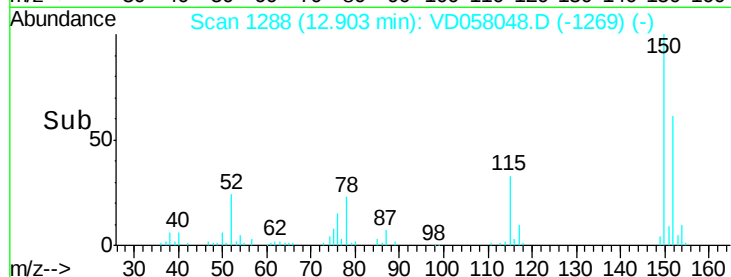
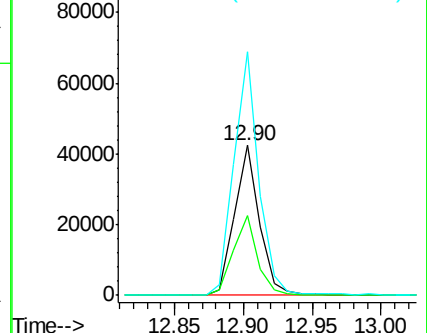
150 162.8 0.0 306.8



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: 243.318 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058048.D

Acq: 9 Jun 2018 7:19

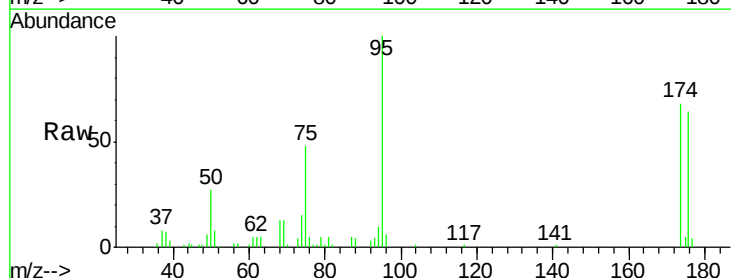
Tgt Ion: 75 Resp: 48497

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

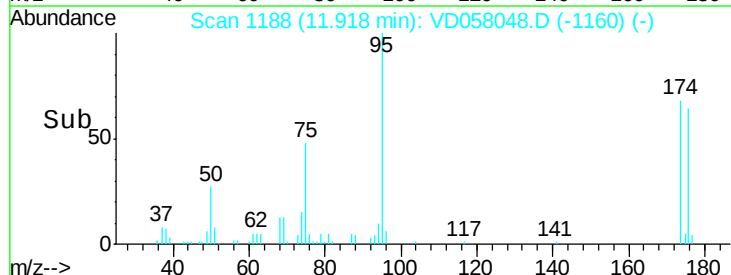
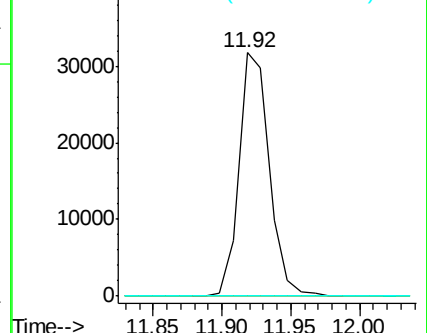
89 0.0 33.3 49.9#

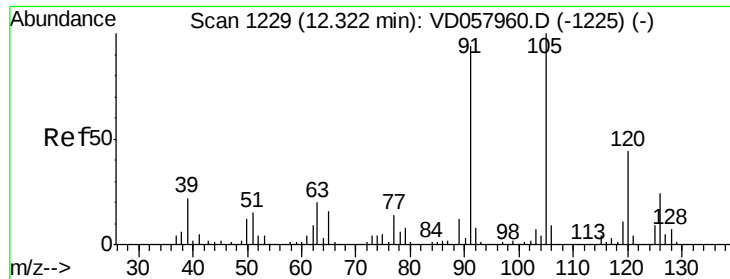


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

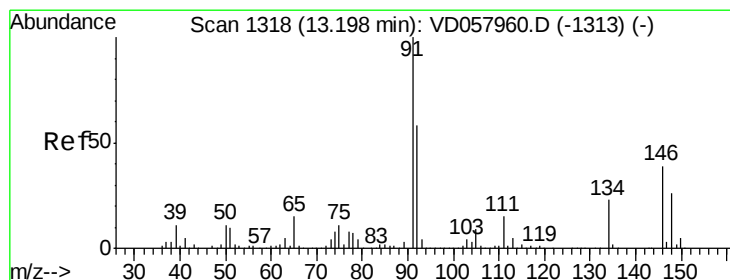
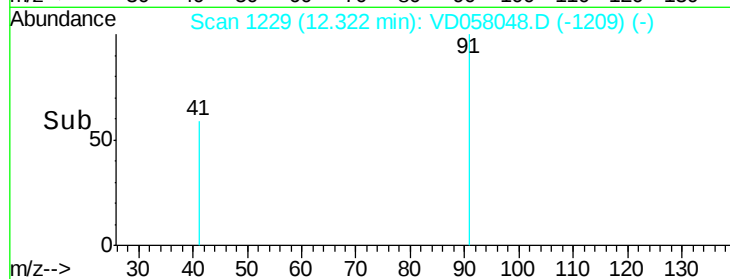
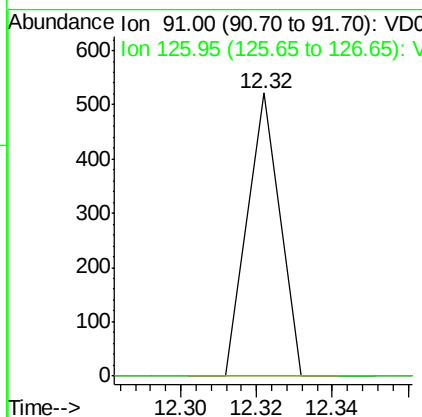
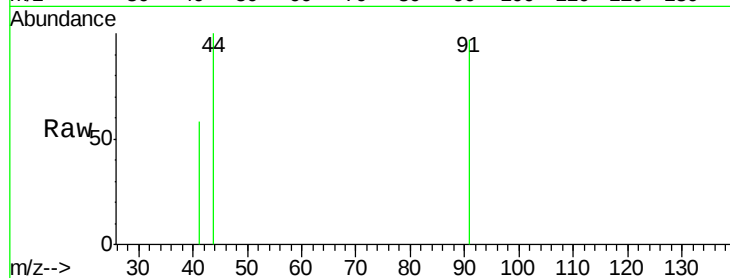




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 308
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058048.D
Acq: 9 Jun 2018 7:19

Tgt Ion: 91 Resp: 583
Ion Ratio Lower Upper
91 100
92 0.0 29.2 87.6#
134 0.0 11.3 33.9#

