

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058051.D
 Acq On : 9 Jun 2018 8:44
 Operator : VA/AP
 Sample : J3240-01RE
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:07:05 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	604166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	788895	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	628172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	300757	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	349601	57.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.76%	
35) Dibromofluoromethane	5.54	113	365894	59.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.90%	
50) Toluene-d8	8.69	98	830193	57.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.42%	
62) 4-Bromofluorobenzene	11.92	95	323628	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	

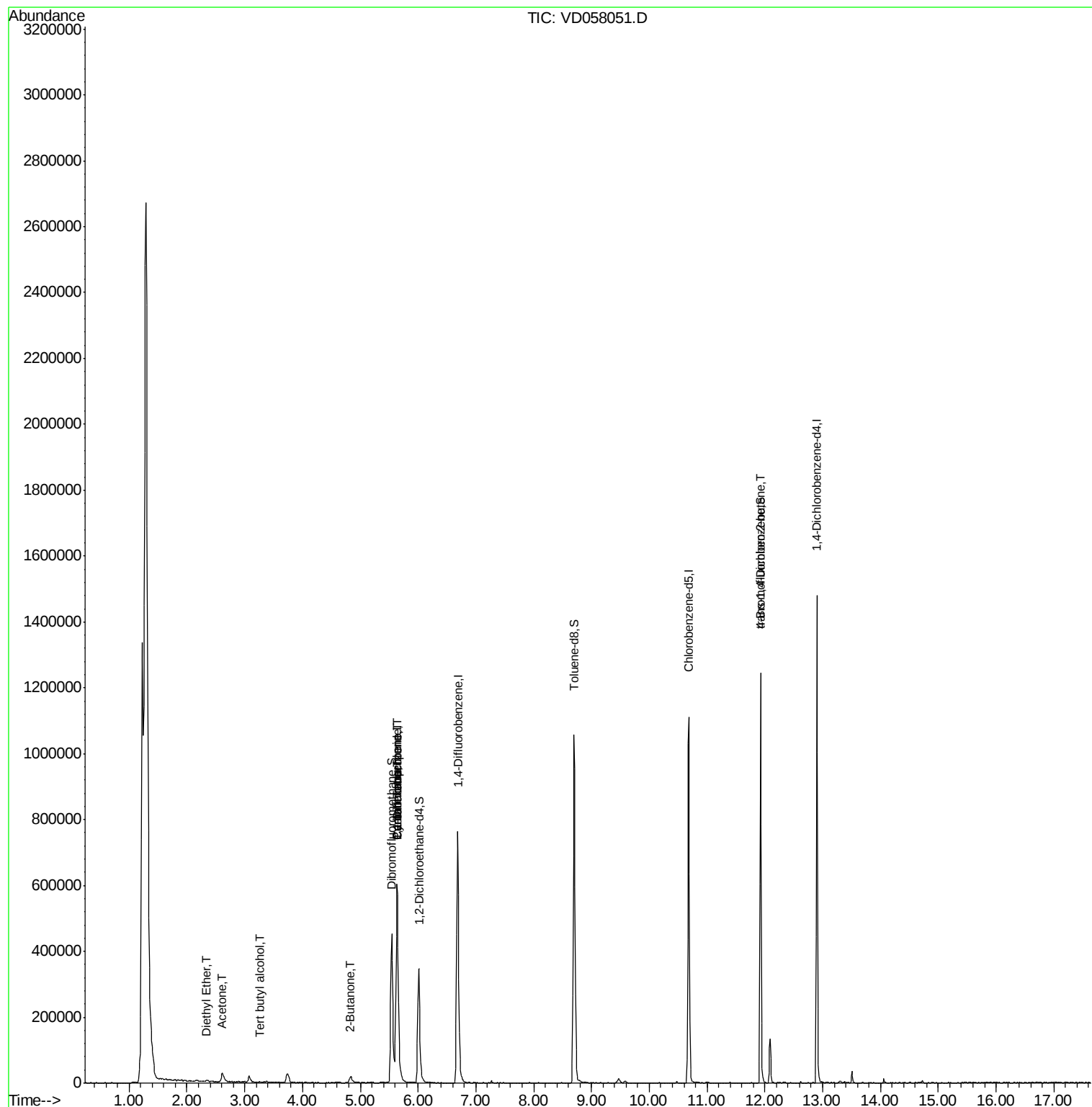
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.34	74	1256	1.280	ug/l	60
11) Tert butyl alcohol	3.26	59	242	1.496	ug/l #	74
16) Acetone	2.61	43	67534	77.605	ug/l #	89
20) Methylene Chloride	3.08	84	7428	Below Cal		94
25) 2-Butanone	4.84	43	3958	2.001	ug/l #	69
31) Cyclohexane	5.63	56	15157	1.443	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	52830	6.078	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48470	5.659	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	160458	143.395	ug/l #	6
82) 4-Chlorotoluene	12.33	91	451	Below Cal	#	50
89) n-Butylbenzene	13.18	91	542	Below Cal	#	30

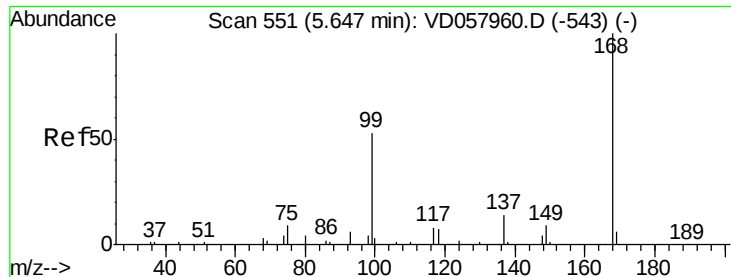
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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ClientSampleId :

Quant Time: Jun 11 04:07:05 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. -0.00 min

Lab File: VD058051.D

Acq: 9 Jun 2018 8:44

Instrument :

MSVOA_D

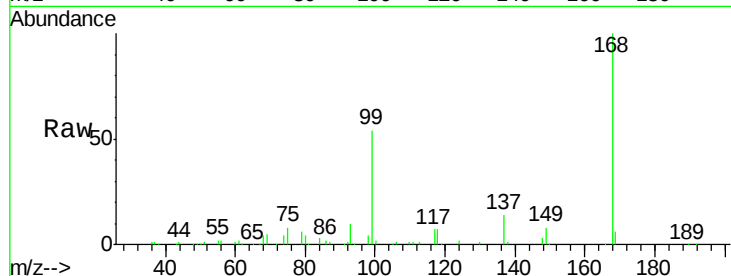
ClientSampleId :

Tot Ion:168 Resp: 604166

Ion Ratio Lower Upper

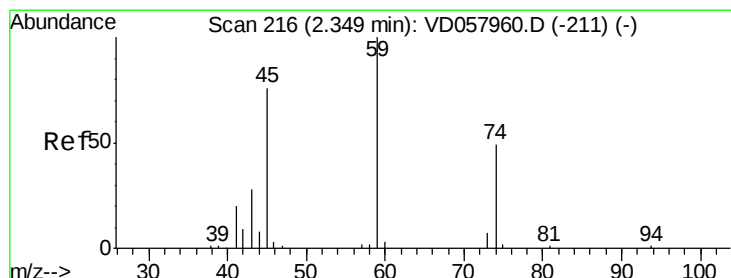
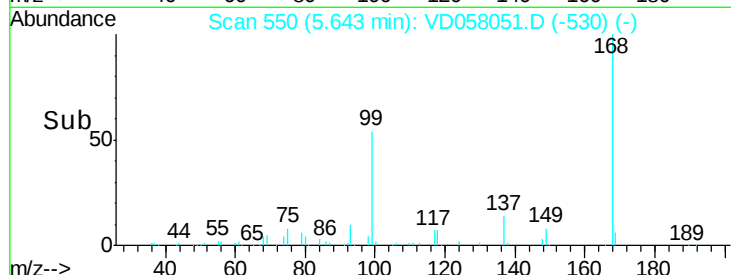
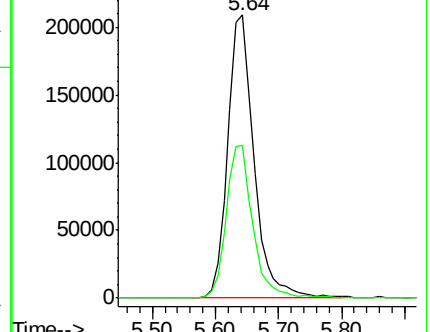
168 100

99 53.9 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: 1.280 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.00 min

Lab File: VD058051.D

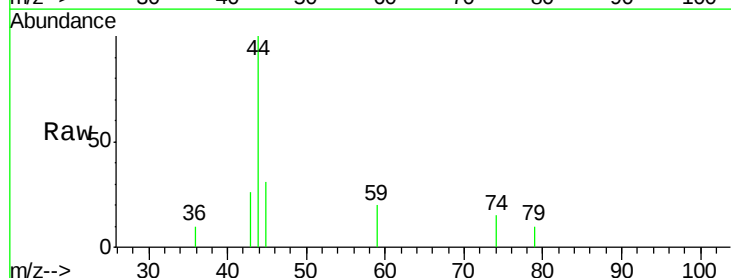
Acq: 9 Jun 2018 8:44

Tgt Ion: 74 Resp: 1256

Ion Ratio Lower Upper

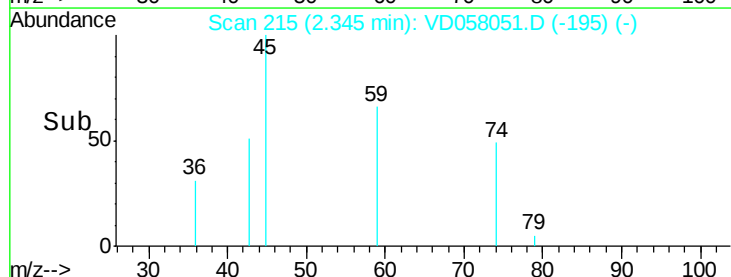
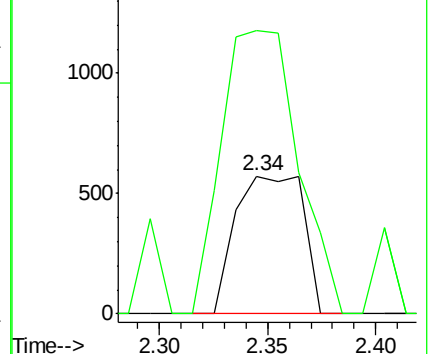
74 100

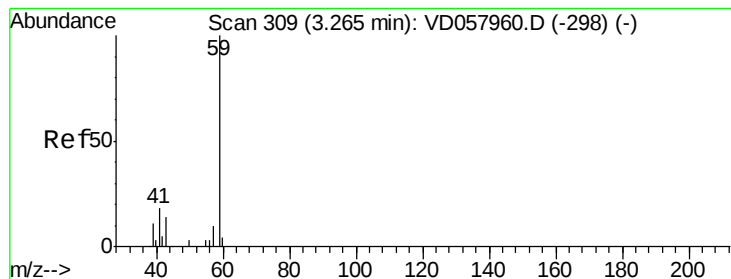
45 205.8 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



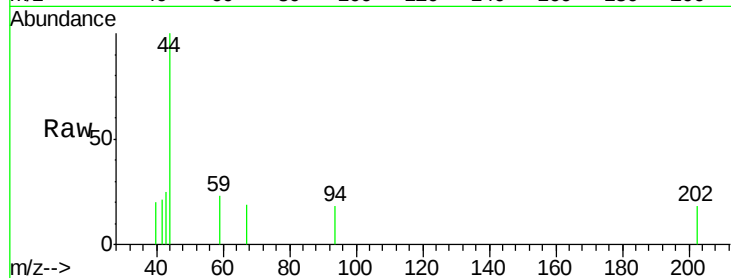


#11

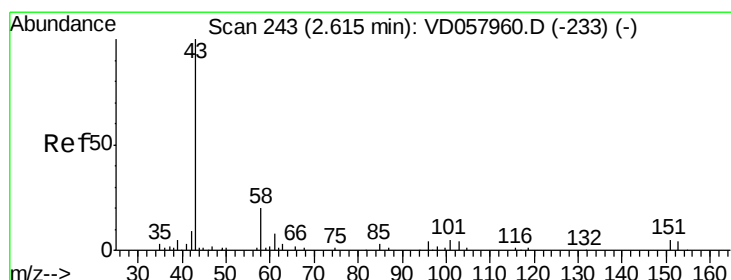
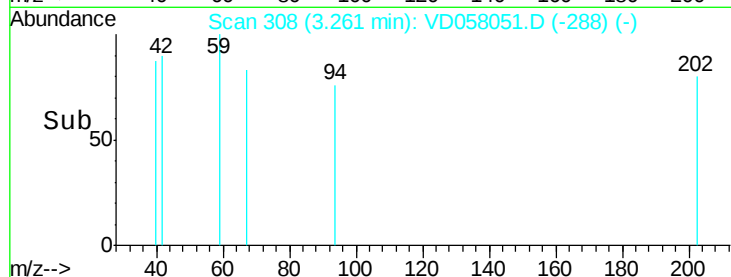
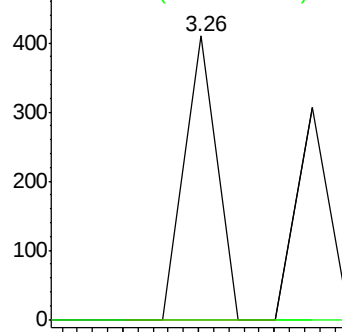
Tert butyl alcohol
Concen: 1.496 ug/l
RT: 3.26 min Scan# 308
Delta R.T. -0.00 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



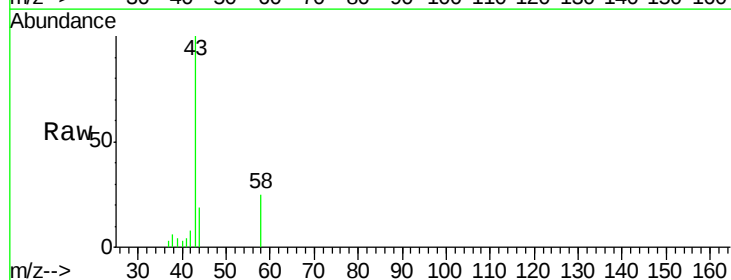
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



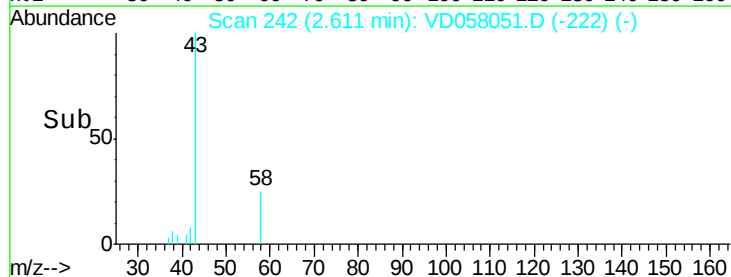
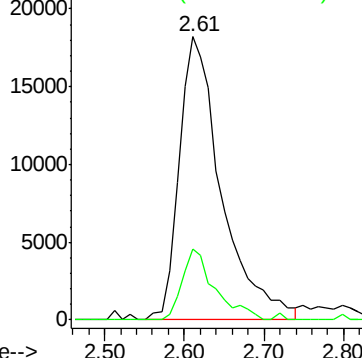
#16

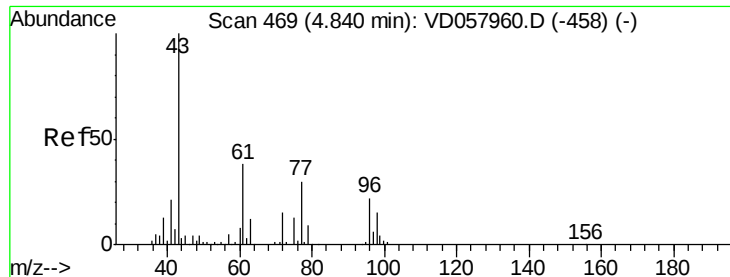
Acetone
Concen: 77.605 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Tgt Ion: 43 Resp: 67534
Ion Ratio Lower Upper
43 100
58 25.0 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: 2.001 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058051.D

Acq: 9 Jun 2018 8:44

Instrument :

MSVOA_D

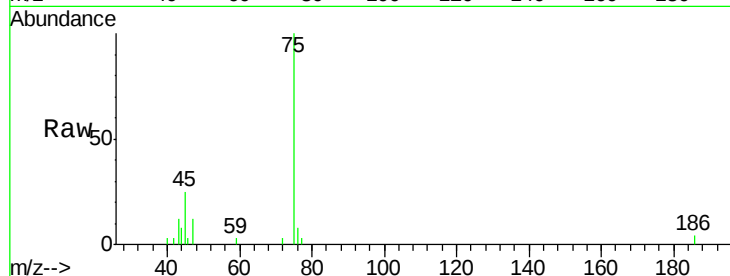
ClientSampled :

Tot Ion: 43 Resp: 3958

Ion Ratio Lower Upper

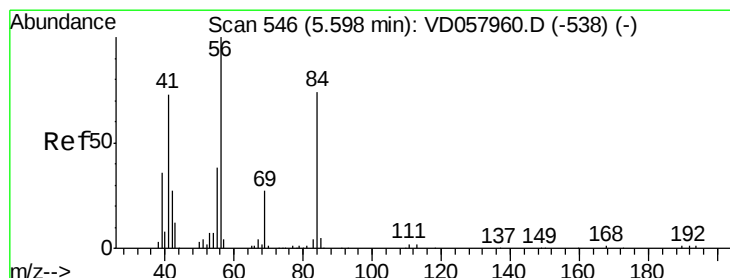
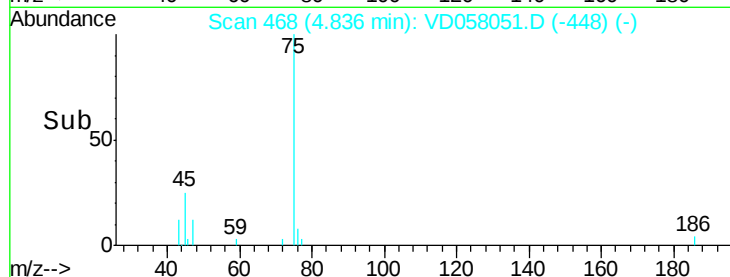
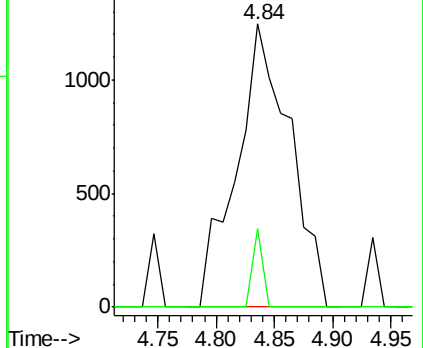
43 100

72 27.9 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: 1.443 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD058051.D

Acq: 9 Jun 2018 8:44

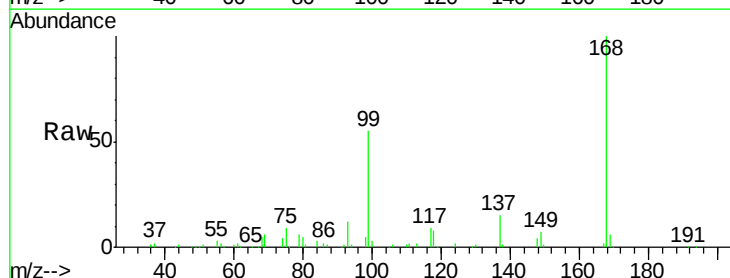
Tgt Ion: 56 Resp: 15157

Ion Ratio Lower Upper

56 100

69 225.1 21.5 32.3#

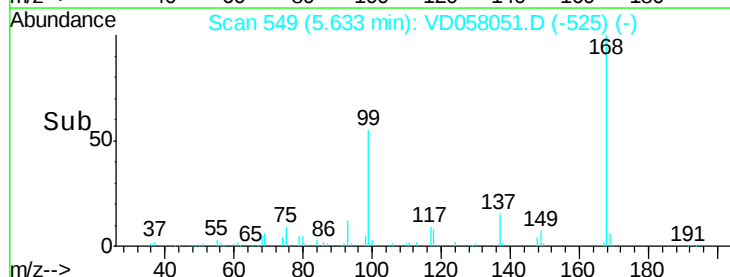
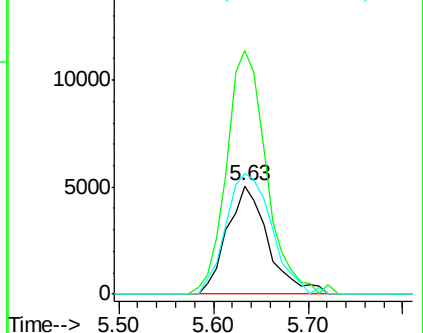
84 111.2 61.0 91.6#

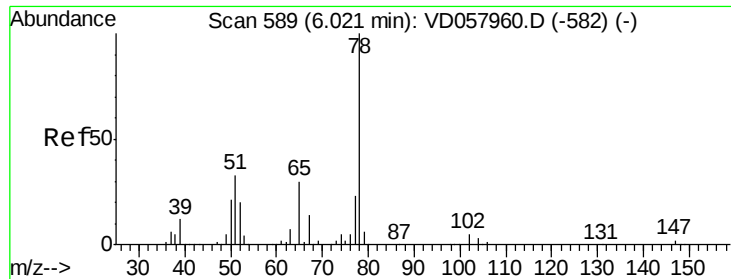


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

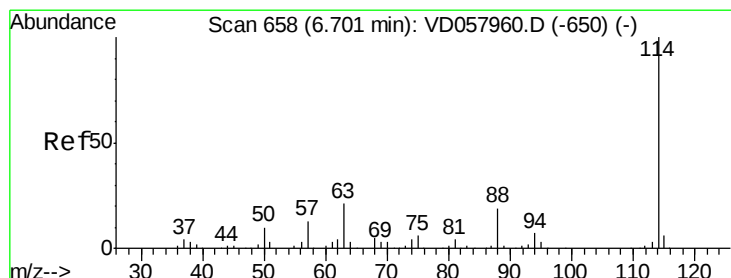
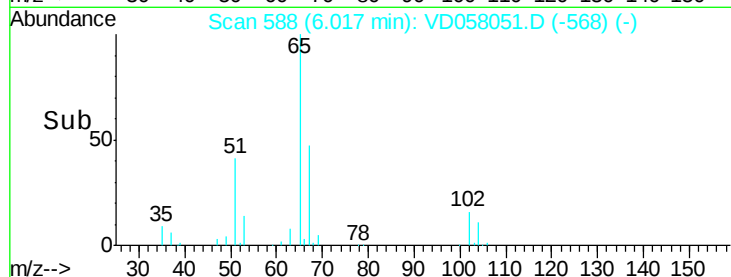
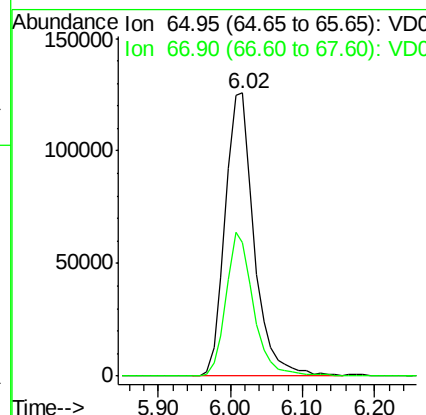
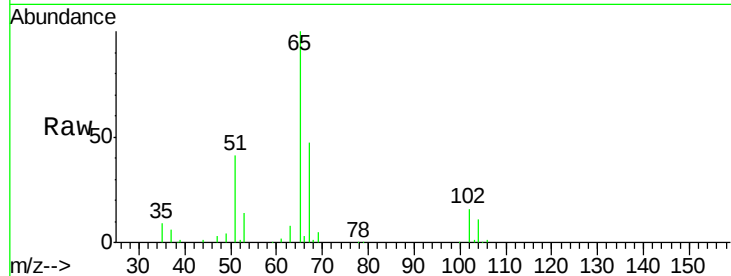




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VD058051.D
 Acq: 9 Jun 2018 8:44

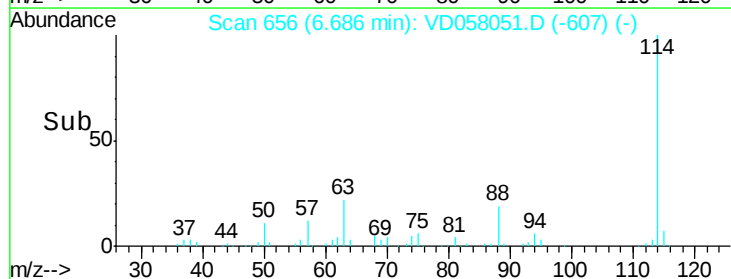
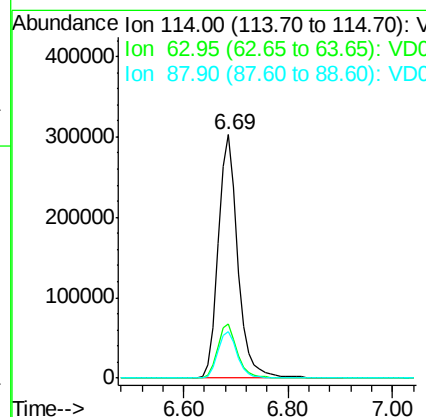
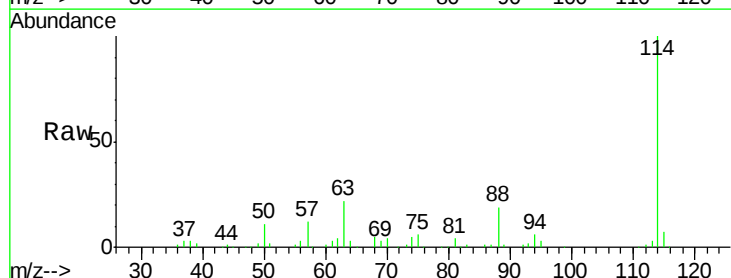
Instrument :
 MSVOA_D
 ClientSampleID :

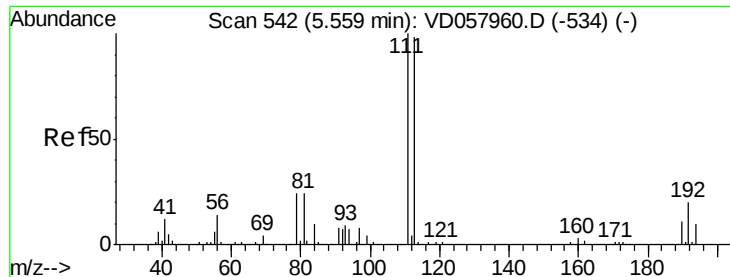
Tot Ion: 65 Resp: 349601
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD058051.D
 Acq: 9 Jun 2018 8:44

Tgt Ion: 114 Resp: 788895
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.8
 88 19.3 0.0 37.8

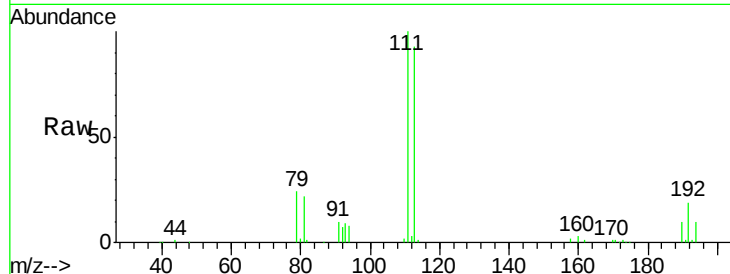




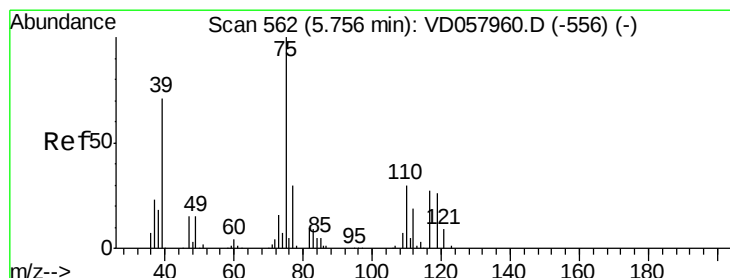
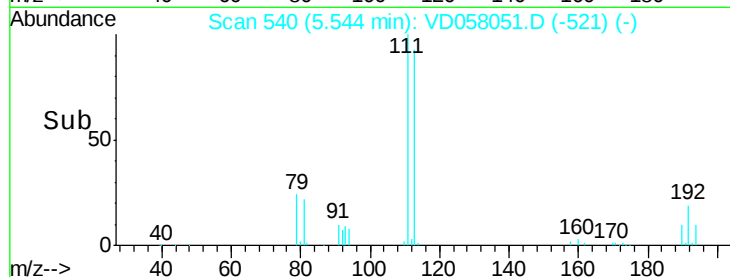
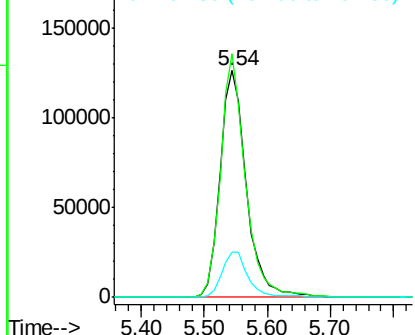
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.01 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 365894
Ion Ratio Lower Upper
113 100
111 107.4 81.5 122.3
192 20.2 16.4 24.6

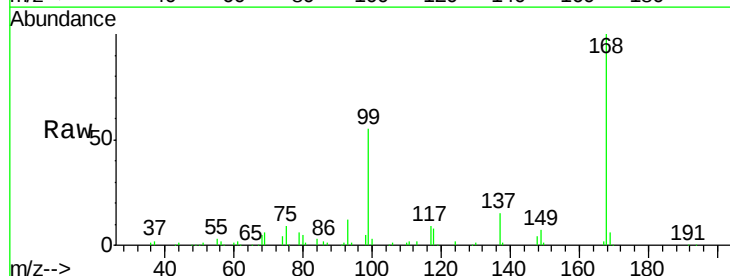


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

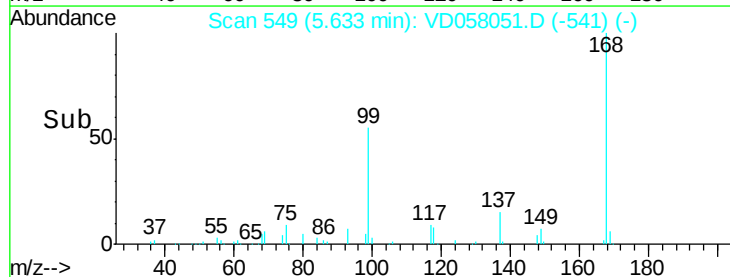
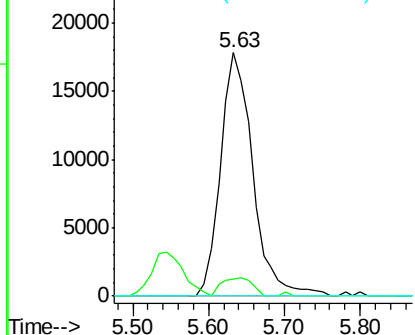


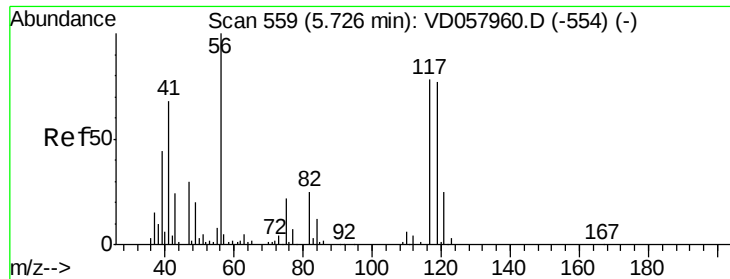
#36
1,1-Dichloropropene
Concen: 6.078 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.12 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Tgt Ion: 75 Resp: 52830
Ion Ratio Lower Upper
75 100
110 7.1 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

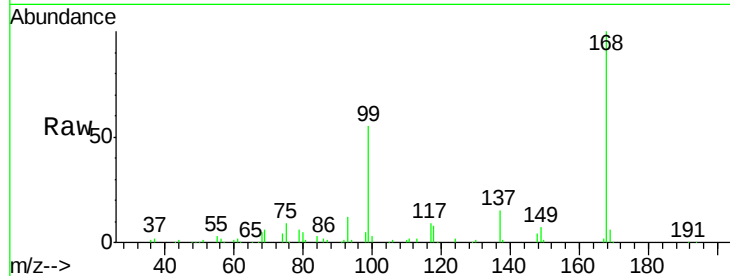




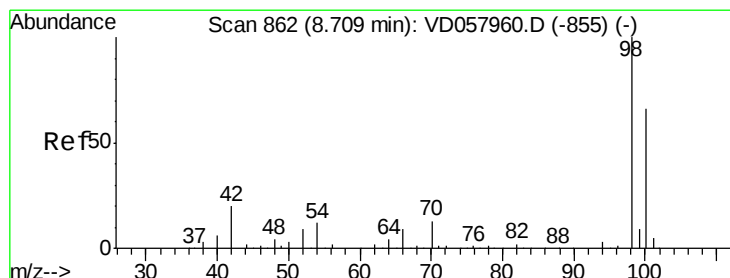
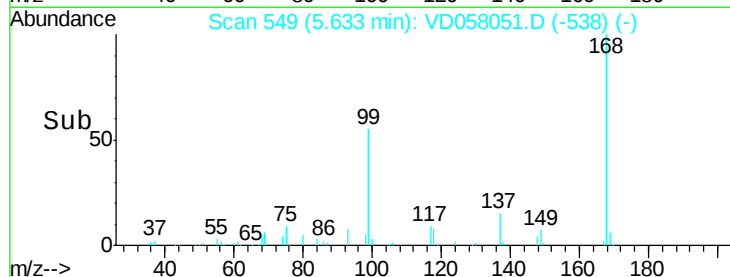
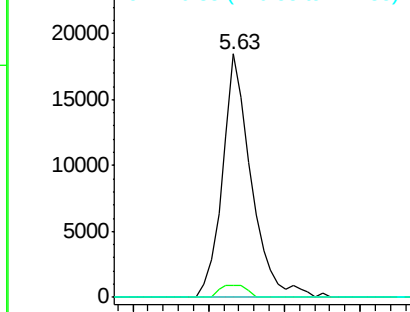
#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.09 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 48470
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.9 37.3#

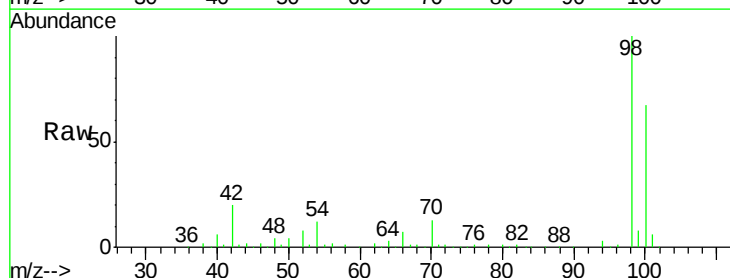


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

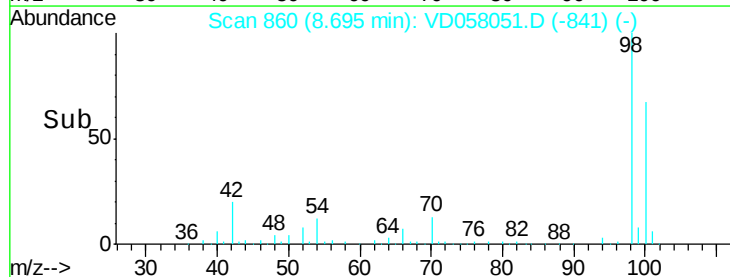
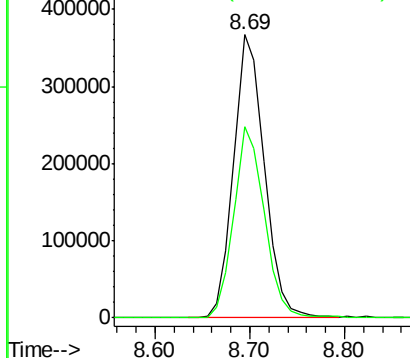


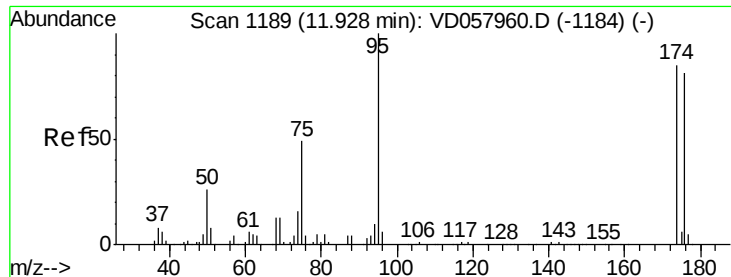
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.01 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Tgt Ion: 98 Resp: 830193
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058051.D

Acq: 9 Jun 2018 8:44

Instrument :

MSVOA_D

ClientSampled :

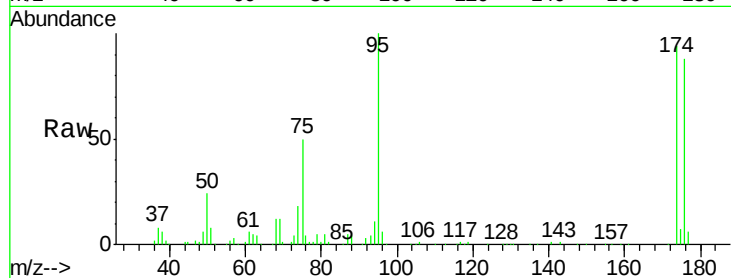
Tot Ion: 95 Resp: 323628

Ion Ratio Lower Upper

95 100

174 94.3 0.0 169.4

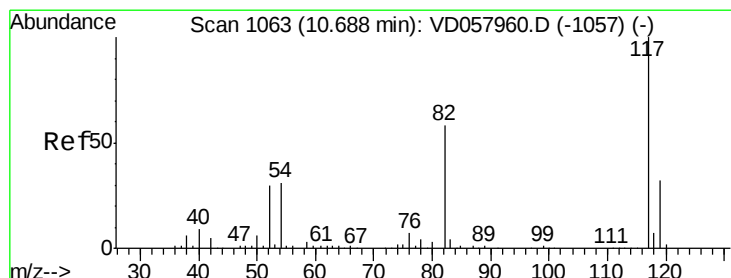
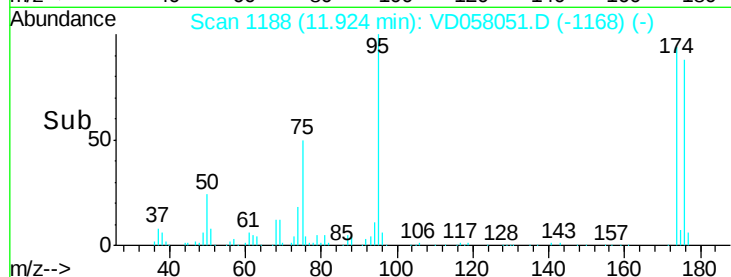
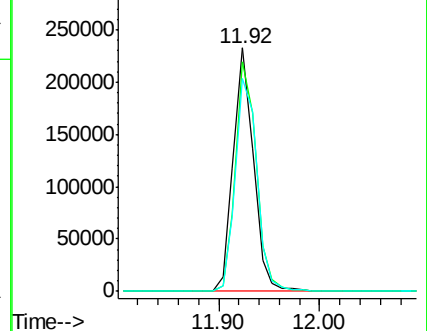
176 87.6 0.0 162.6



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. -0.00 min

Lab File: VD058051.D

Acq: 9 Jun 2018 8:44

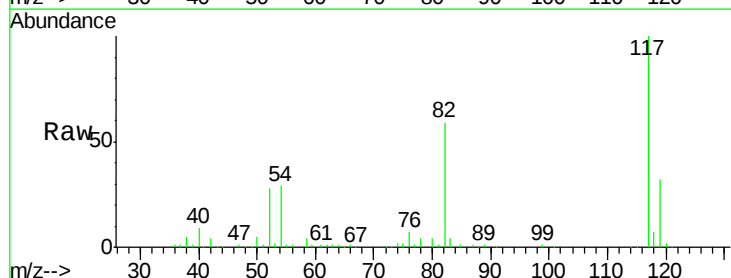
Tgt Ion: 117 Resp: 628172

Ion Ratio Lower Upper

117 100

82 58.9 46.8 70.2

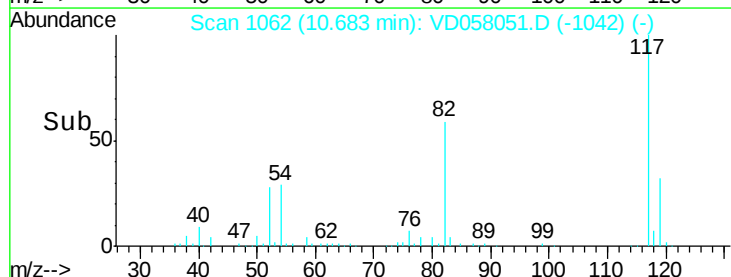
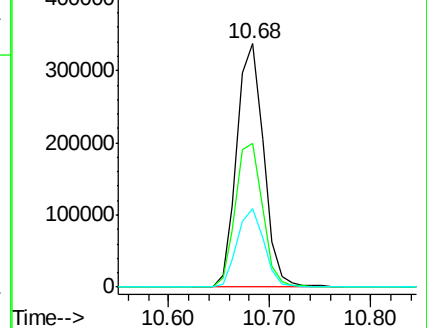
119 32.5 25.8 38.6

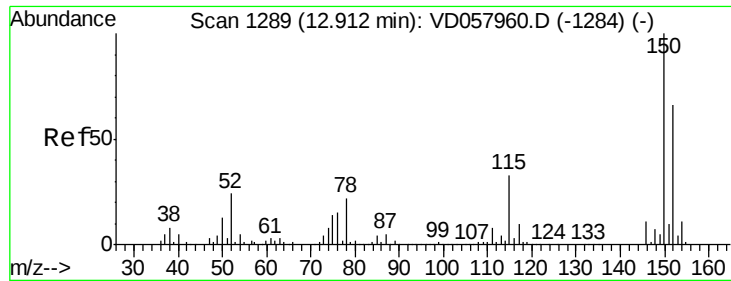


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



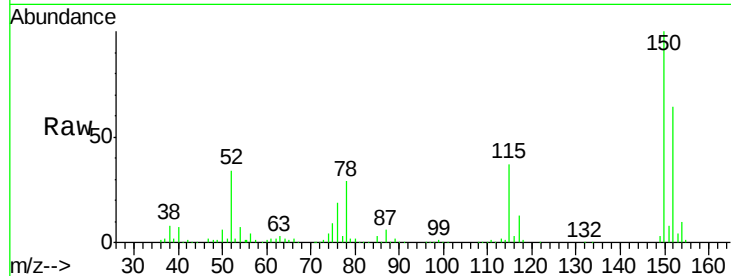


#72

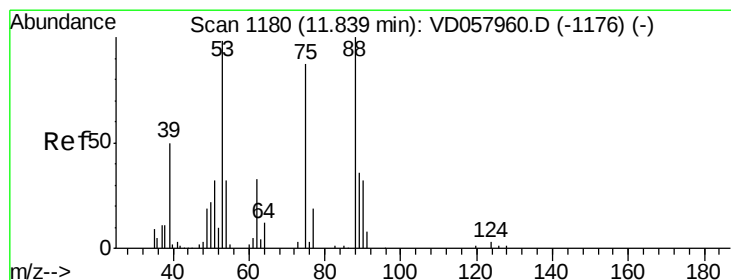
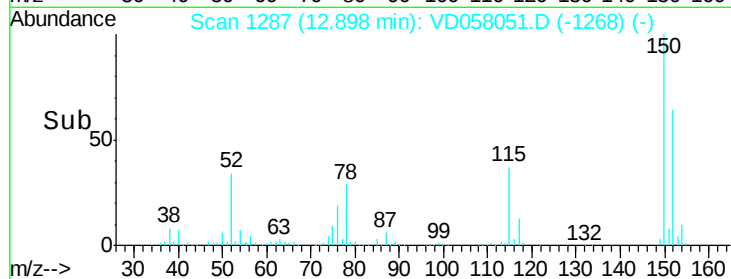
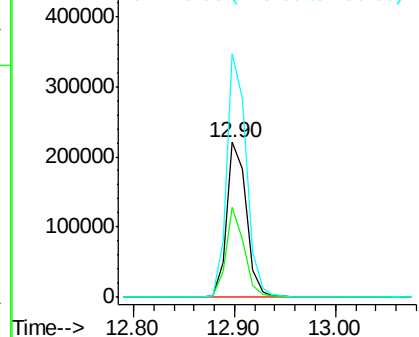
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 300757
Ion Ratio Lower Upper
152 100
115 58.0 25.6 76.6
150 157.3 0.0 306.8



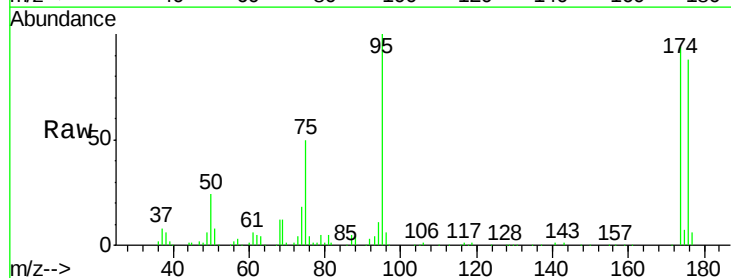
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



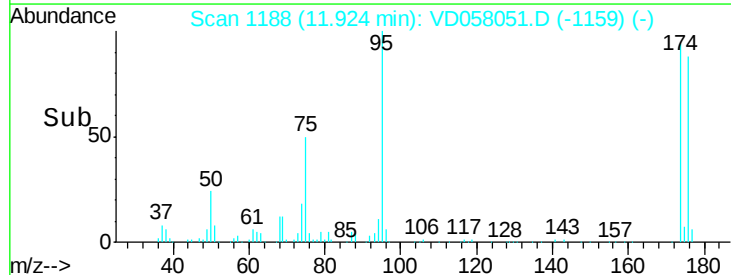
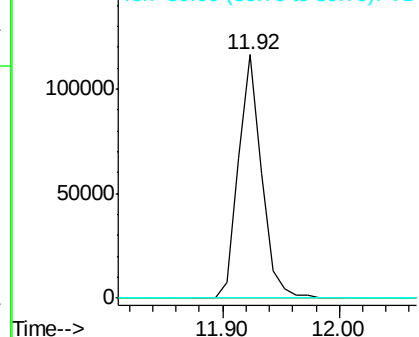
#81

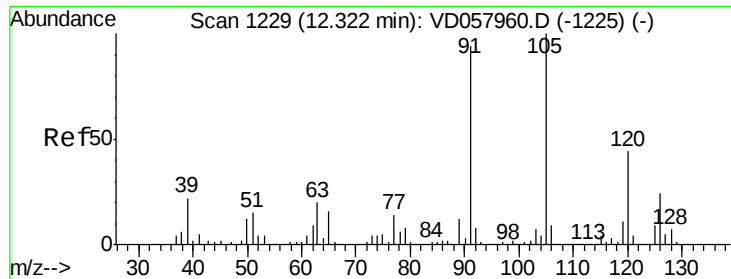
trans-1,4-Dichloro-2-butene
Concen: 143.395 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Tgt Ion: 75 Resp: 160458
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

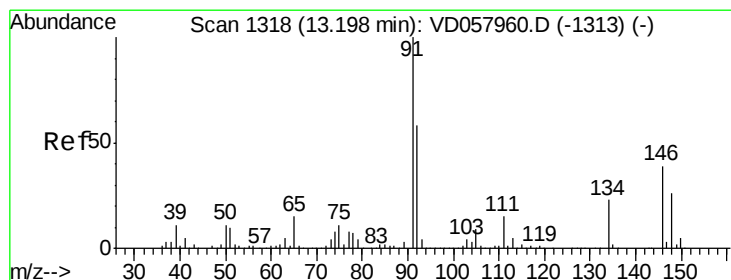
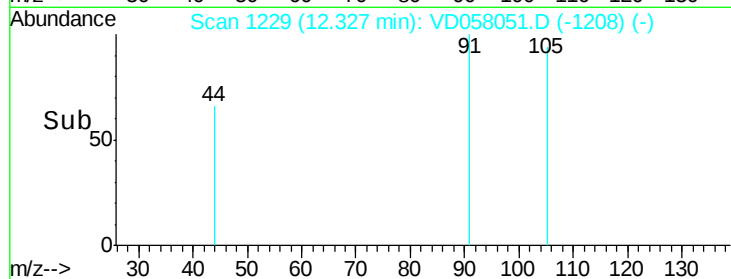
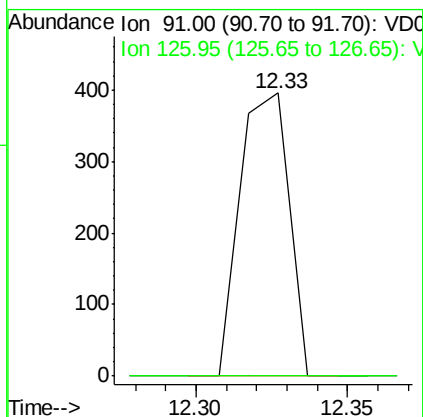
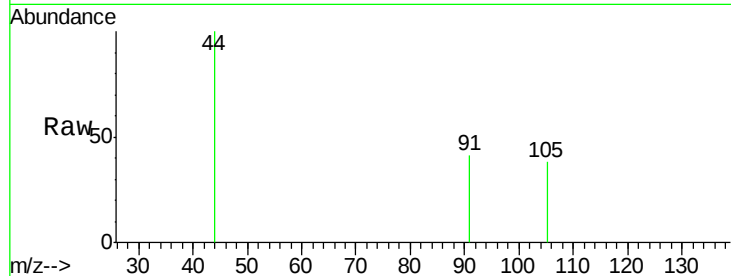




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 451
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD058051.D
Acq: 9 Jun 2018 8:44

Tgt Ion: 91 Resp: 542
Ion Ratio Lower Upper
91 100
92 0.0 29.2 87.6#
134 0.0 11.3 33.9#

