

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058023.D
 Acq On : 8 Jun 2018 17:41
 Operator : VA/AP
 Sample : J3344-01RE
 Misc : 5.12g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:56:56 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

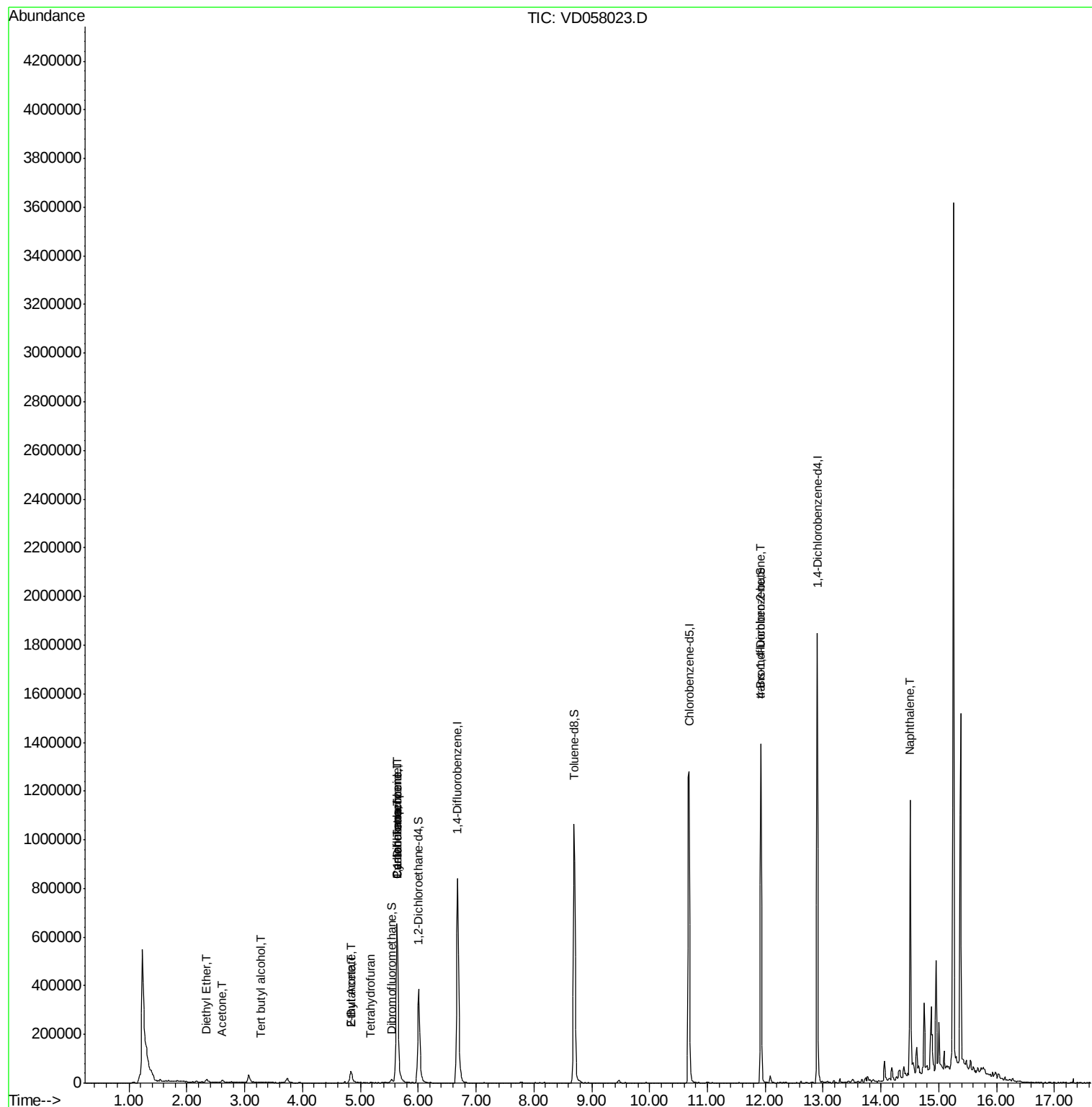
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	658781	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	884212	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	729908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	362880	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	383986	58.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.60%	
35) Dibromofluoromethane	5.54	113	13315	1.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	3.90%	
50) Toluene-d8	8.70	98	839454	51.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.92	95	355959	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.35	74	3993	3.730	ug/l	98
11) Tert butyl alcohol	3.29	59	447	2.534	ug/l #	74
16) Acetone	2.61	43	16305	17.183	ug/l	94
20) Methylene Chloride	3.06	84	17298	Below Cal	#	89
25) 2-Butanone	4.84	43	6064	2.812	ug/l #	64
29) Tetrahydrofuran	5.18	42	1515	1.340	ug/l #	54
31) Cyclohexane	5.62	56	16251	1.419	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	58558	6.011	ug/l #	52
37) Ethyl Acetate	4.84	43	6064	1.141	ug/l #	11
38) Carbon Tetrachloride	5.63	117	55592	5.790	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	176951	131.063	ug/l #	6
82) 4-Chlorotoluene	12.32	91	902	Below Cal		87
89) n-Butylbenzene	13.19	91	812	Below Cal	#	75
95) Naphthalene	14.51	128	705555	60.225	ug/l	98

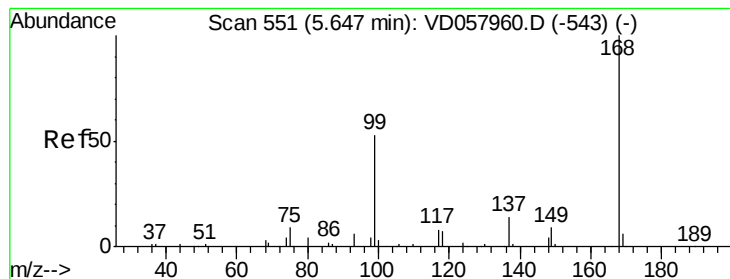
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.01 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

Instrument :

MSVOA_D

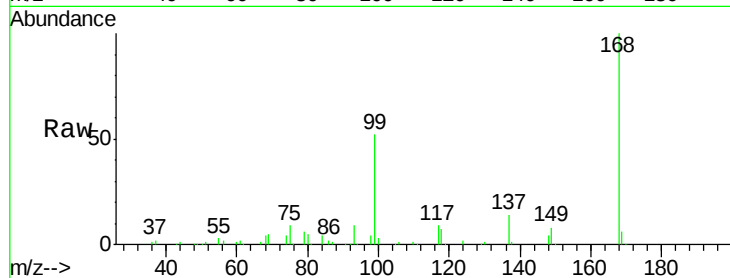
ClientSampleId :

Tot Ion:168 Resp: 658781

Ion Ratio Lower Upper

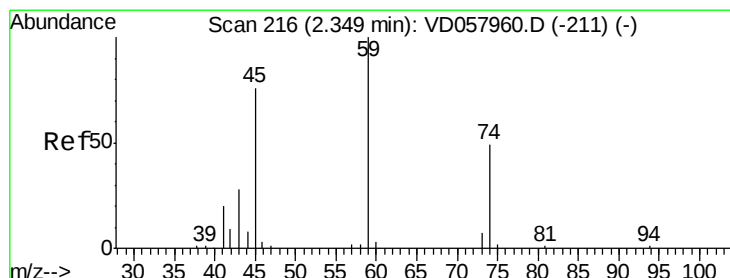
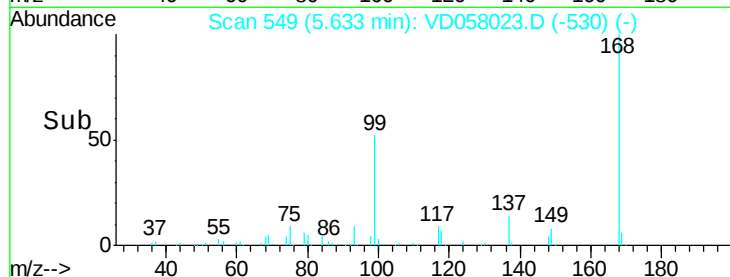
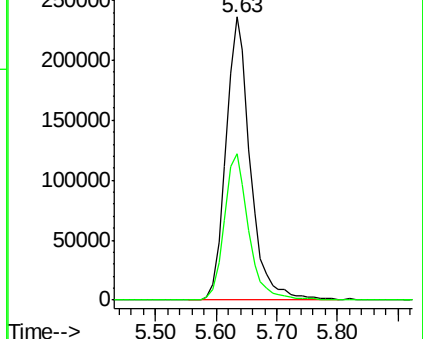
168 100

99 51.6 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: 3.730 ug/l

RT: 2.35 min Scan# 215

Delta R.T. -0.00 min

Lab File: VD058023.D

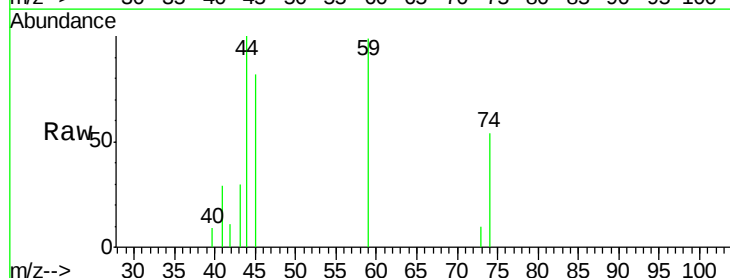
Acq: 8 Jun 2018 17:41

Tgt Ion: 74 Resp: 3993

Ion Ratio Lower Upper

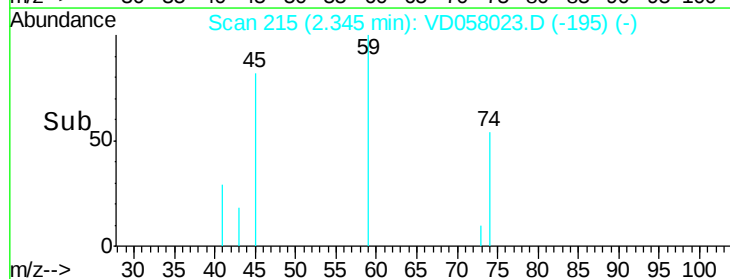
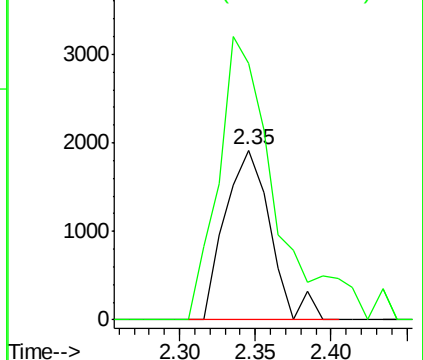
74 100

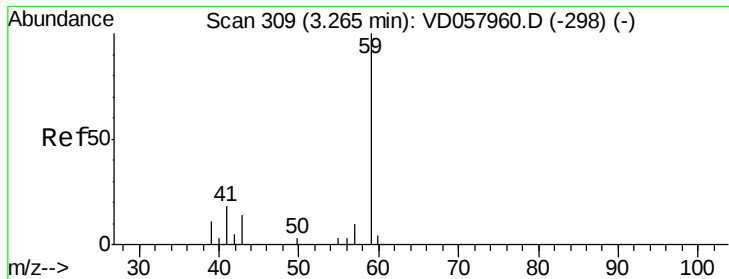
45 151.2 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



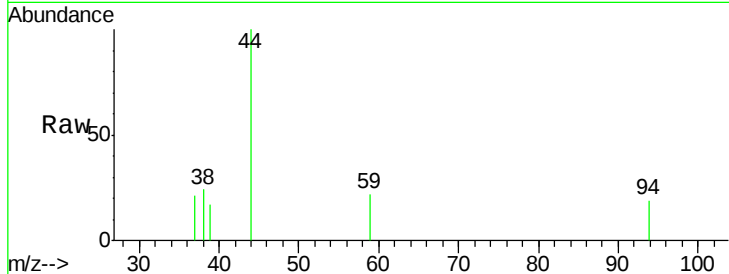


#11

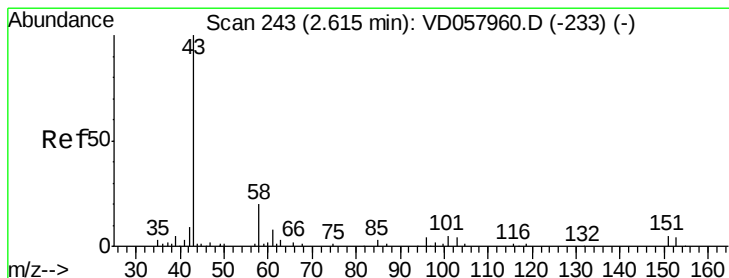
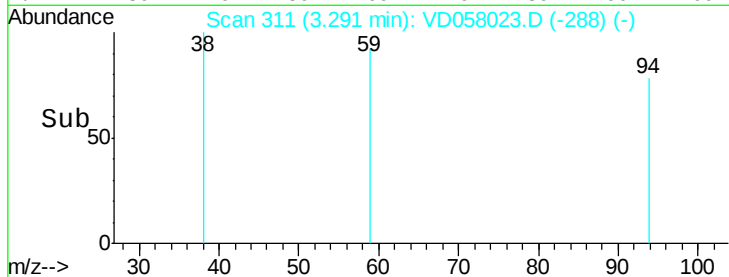
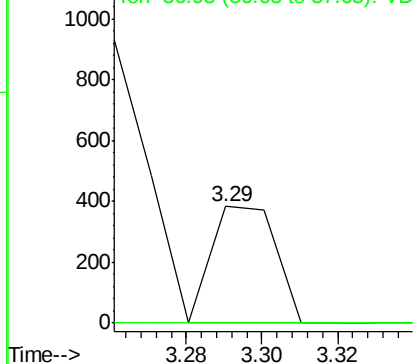
Tert butyl alcohol
 Concen: 2.534 ug/l
 RT: 3.29 min Scan# 311
 Delta R.T. 0.03 min
 Lab File: VD058023.D
 Acq: 8 Jun 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 447
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



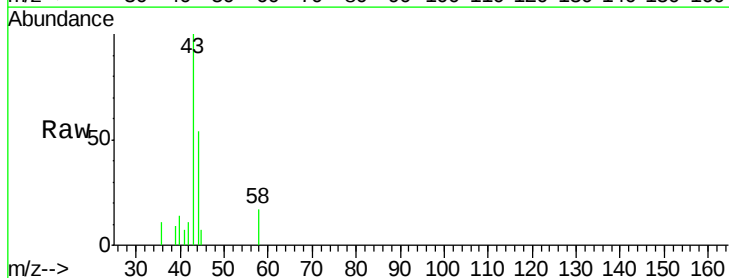
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



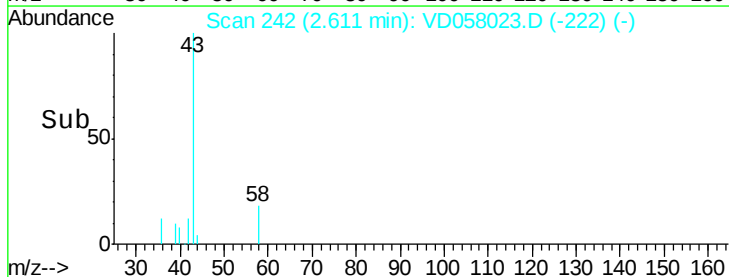
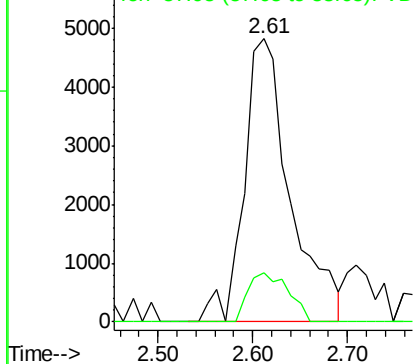
#16

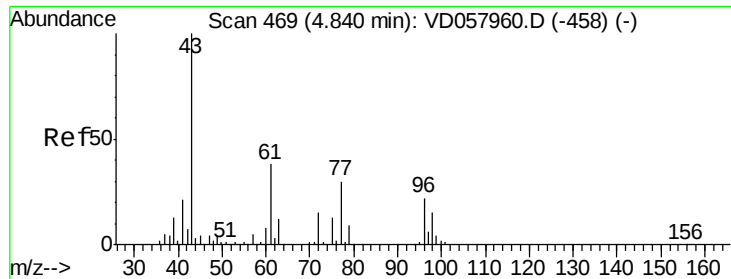
Acetone
 Concen: 17.183 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VD058023.D
 Acq: 8 Jun 2018 17:41

Tgt Ion: 43 Resp: 16305
 Ion Ratio Lower Upper
 43 100
 58 17.3 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: 2.812 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

Instrument :

MSVOA_D

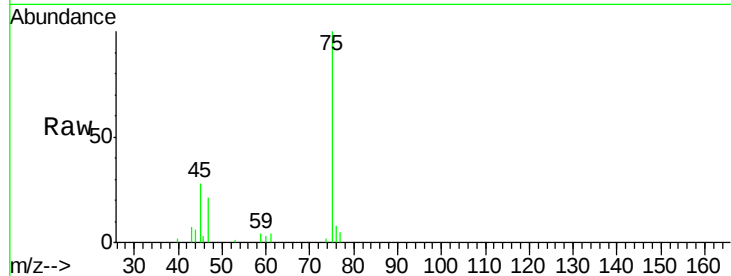
ClientSampleId :

Tot Ion: 43 Resp: 6064

Ion Ratio Lower Upper

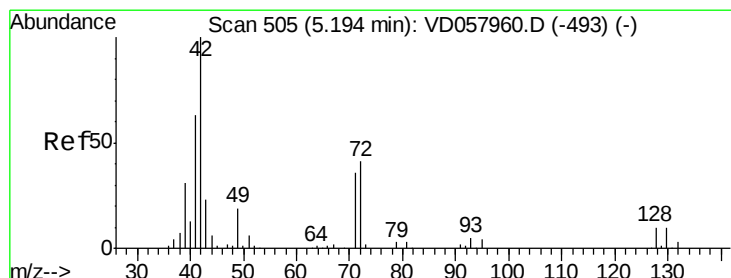
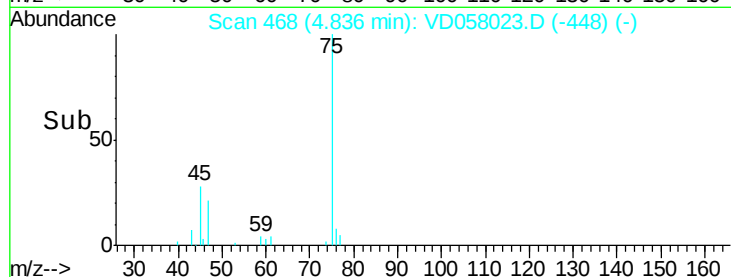
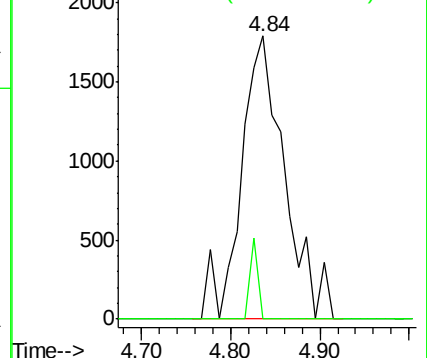
43 100

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



#29

Tetrahydrofuran

Concen: 1.340 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

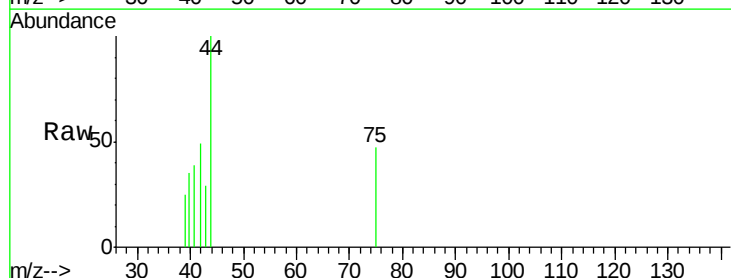
Tgt Ion: 42 Resp: 1515

Ion Ratio Lower Upper

42 100

72 16.3 28.5 42.7#

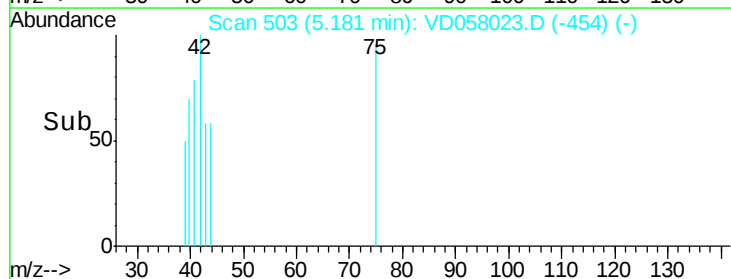
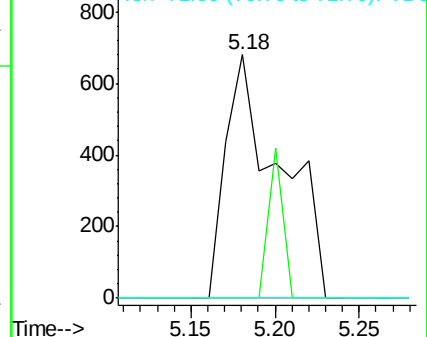
71 0.0 27.9 41.9#

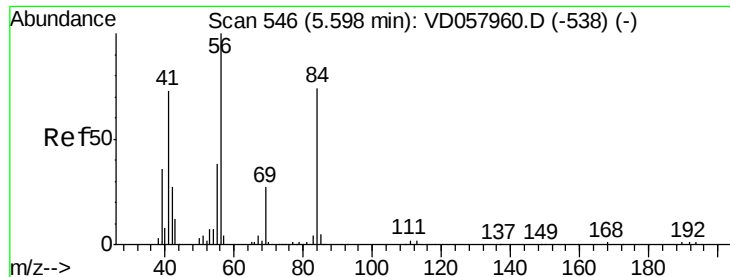


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

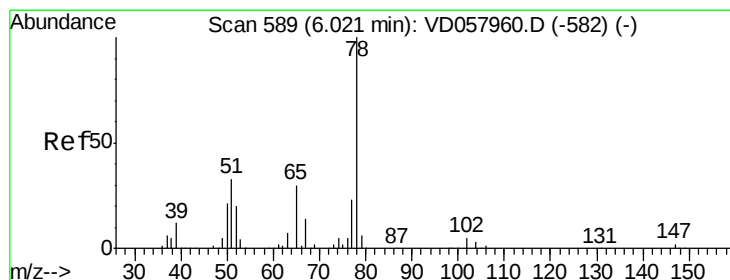
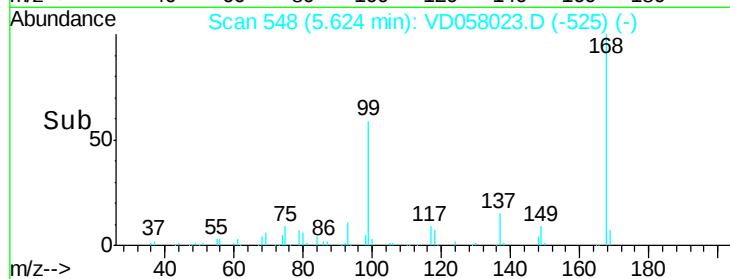
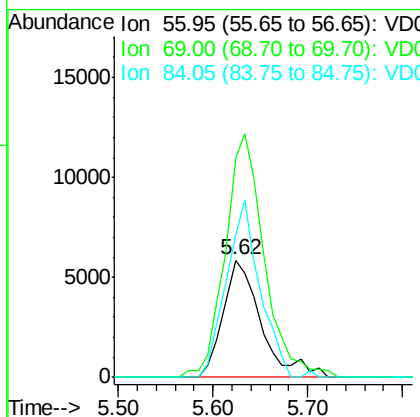
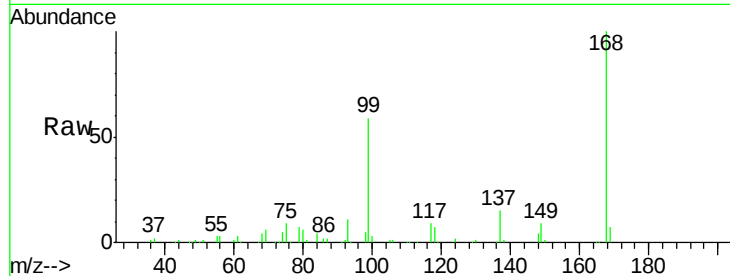




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.03 min
Lab File: VD058023.D
Acq: 8 Jun 2018 17:41

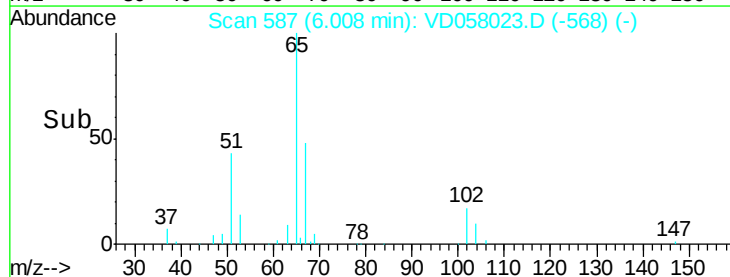
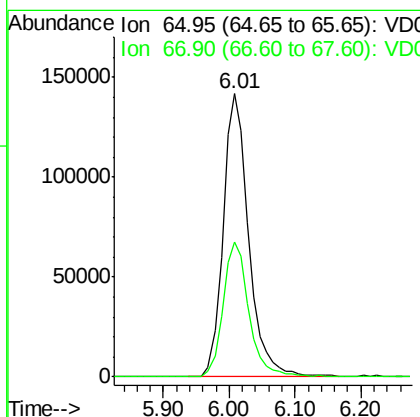
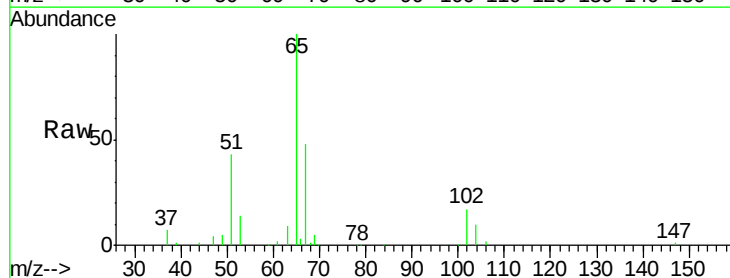
Instrument :
MSVOA_D
ClientSampleId :

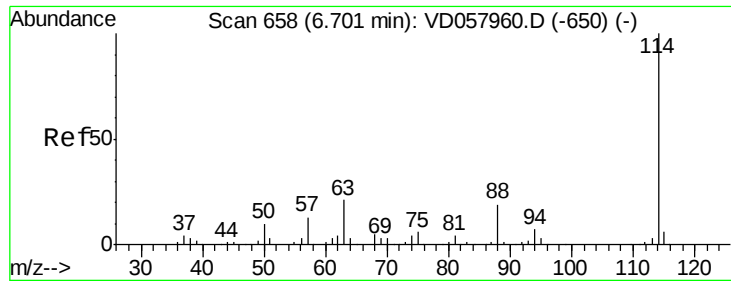
Tot Ion: 56 Resp: 16251
Ion Ratio Lower Upper
56 100
69 187.5 21.5 32.3#
84 121.7 61.0 91.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.01 min
Lab File: VD058023.D
Acq: 8 Jun 2018 17:41

Tgt Ion: 65 Resp: 383986
Ion Ratio Lower Upper
65 100
67 47.7 0.0 94.0

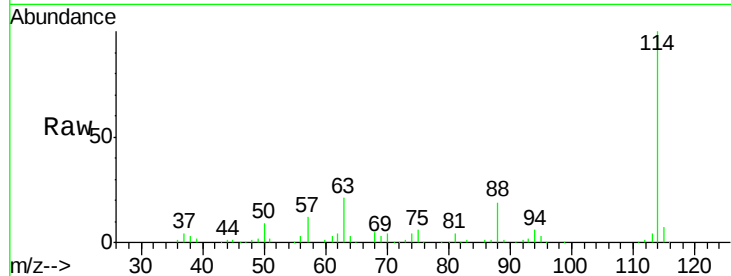




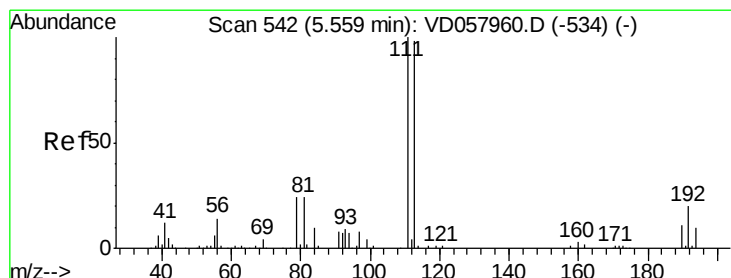
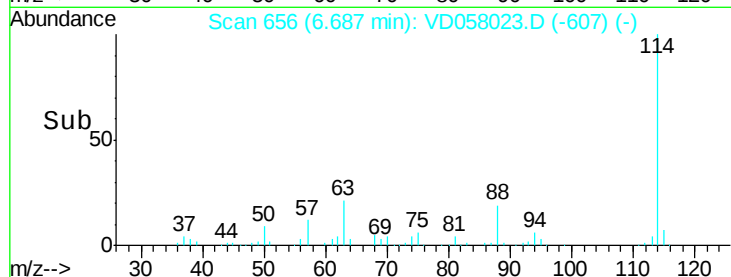
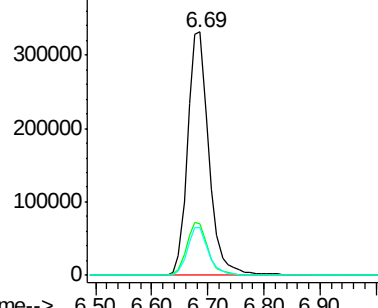
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: VD058023.D
Acq: 8 Jun 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 884212
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.8
88 19.4 0.0 37.8

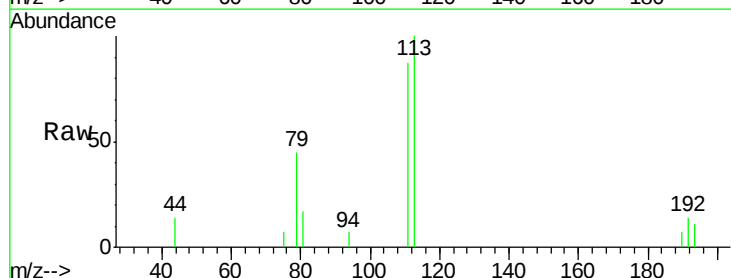


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

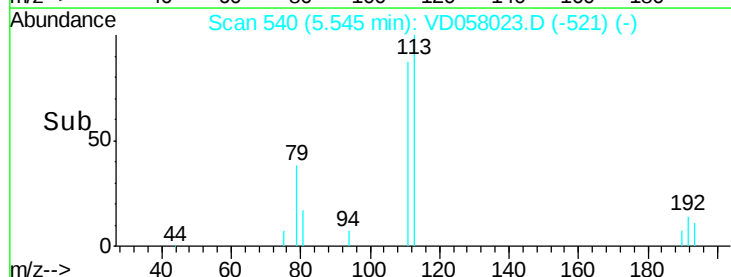
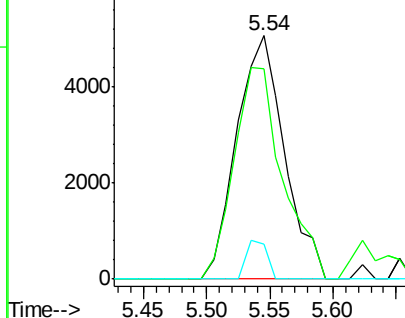


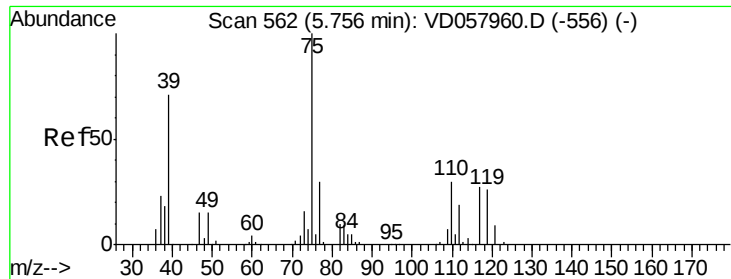
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.01 min
Lab File: VD058023.D
Acq: 8 Jun 2018 17:41

Tgt Ion:113 Resp: 13315
Ion Ratio Lower Upper
113 100
111 86.5 81.5 122.3
192 14.2 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

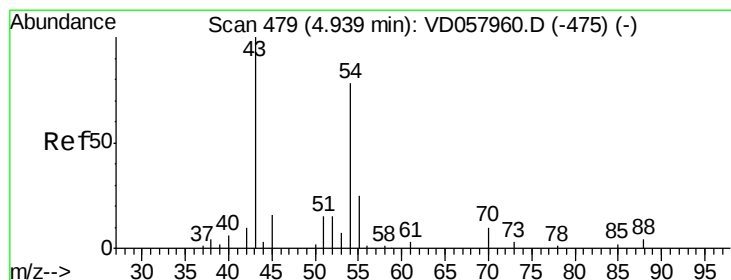
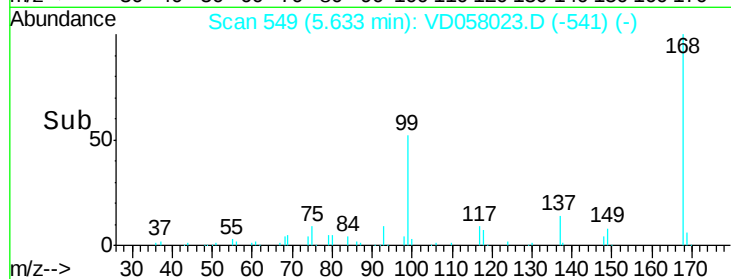
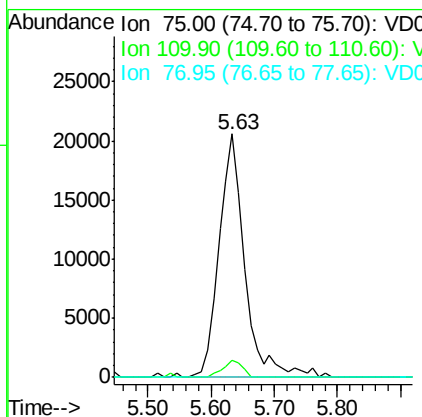
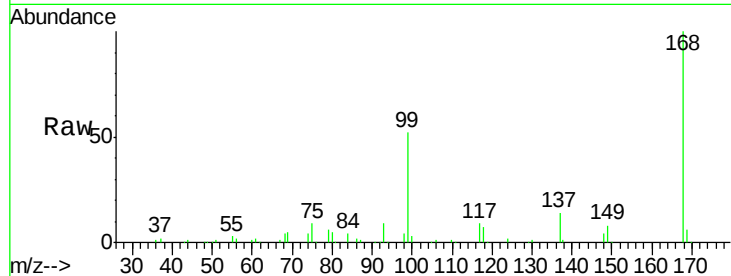




#36
 1,1-Dichloropropene
 Concen: 6.011 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD058023.D
 Acq: 8 Jun 2018 17:41

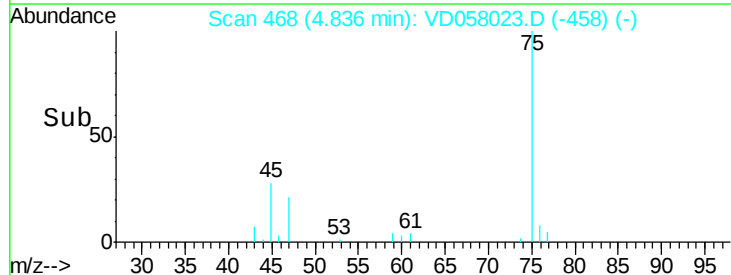
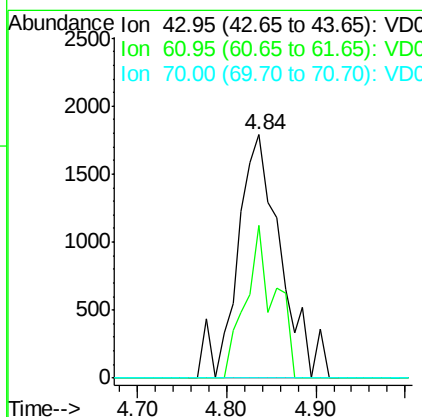
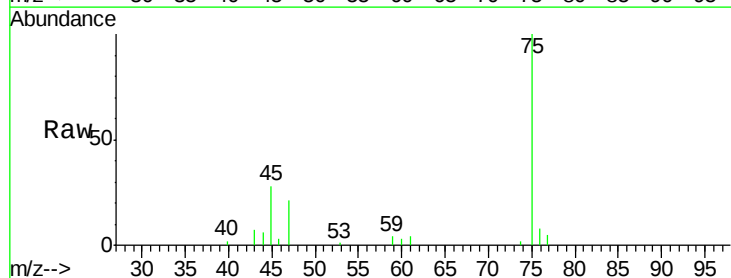
Instrument :
 MSVOA_D
 ClientSampleId :

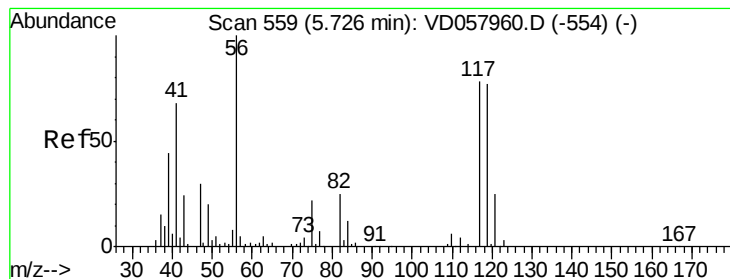
Tot Ion: 75 Resp: 58558
 Ion Ratio Lower Upper
 75 100
 110 7.1 14.8 44.3#
 77 0.0 23.9 35.9#



#37
 Ethyl Acetate
 Concen: 1.141 ug/l
 RT: 4.84 min Scan# 468
 Delta R.T. -0.10 min
 Lab File: VD058023.D
 Acq: 8 Jun 2018 17:41

Tgt Ion: 43 Resp: 6064
 Ion Ratio Lower Upper
 43 100
 61 62.9 9.9 14.9#
 70 0.0 5.7 8.5#





#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

Instrument :
MSVOA_D
ClientSampled :

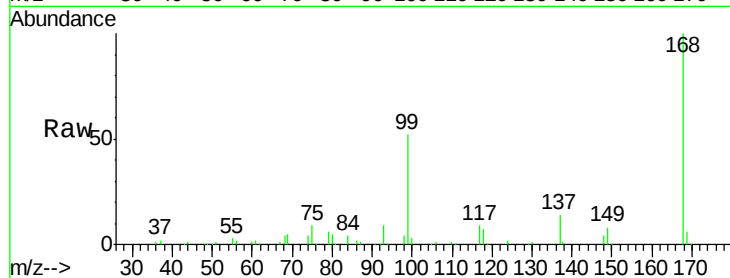
Tot Ion:117 Resp: 55592

Ion Ratio Lower Upper

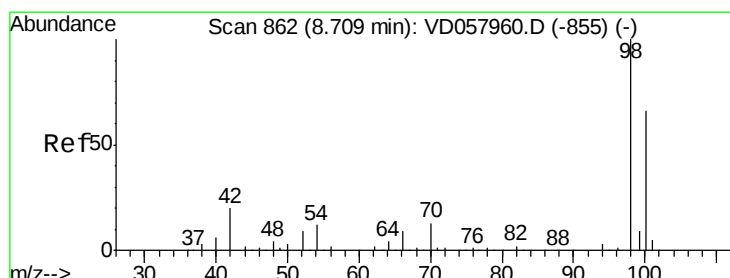
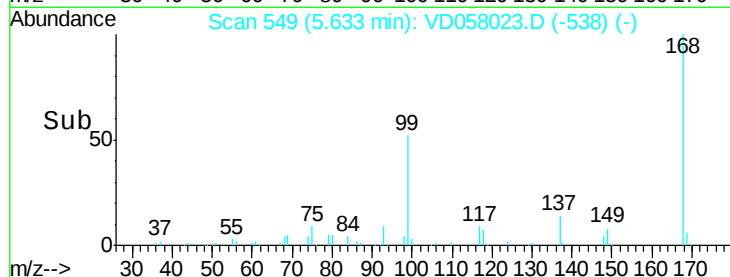
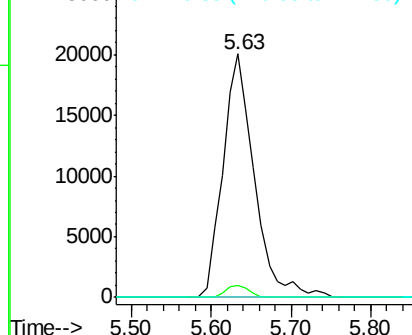
117 100

119 5.1 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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 860

Delta R.T. -0.01 min

Lab File: VD058023.D

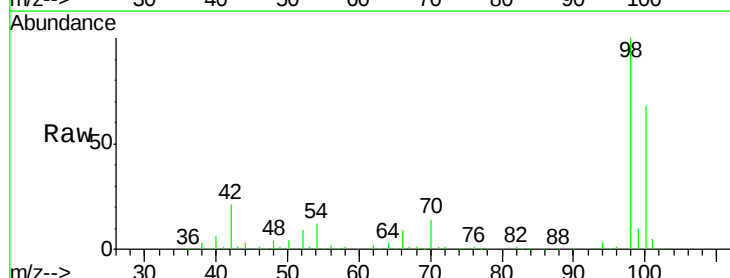
Acq: 8 Jun 2018 17:41

Tgt Ion: 98 Resp: 839454

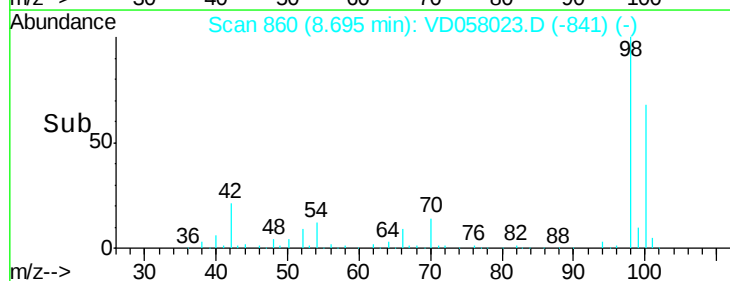
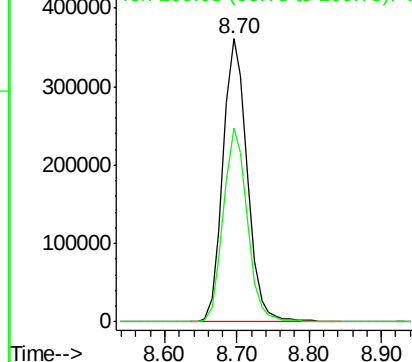
Ion Ratio Lower Upper

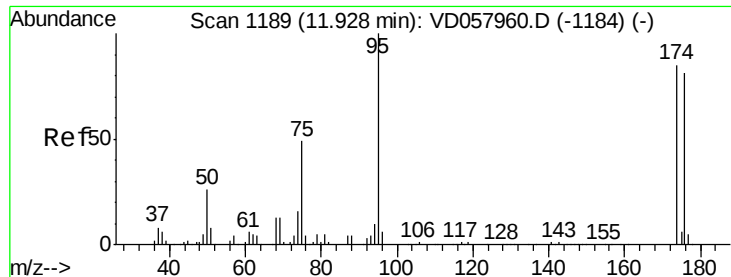
98 100

100 68.5 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. -0.00 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

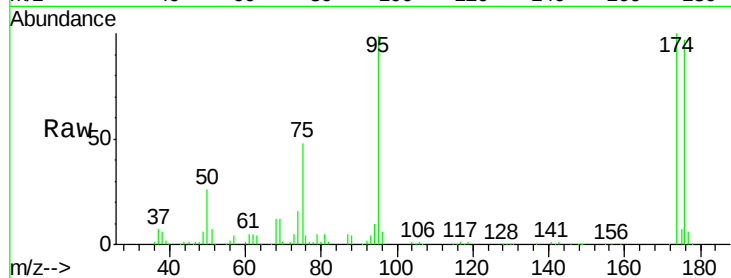
Tot Ion: 95 Resp: 355959

Ion Ratio Lower Upper

95 100

174 100.8 0.0 169.4

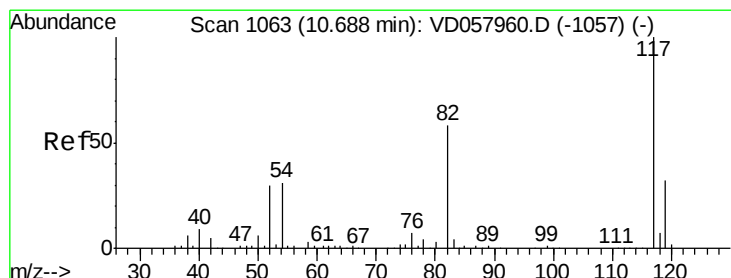
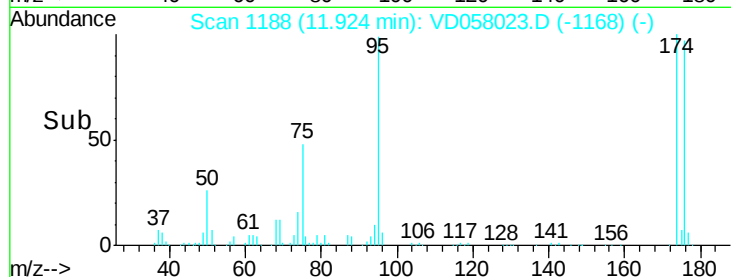
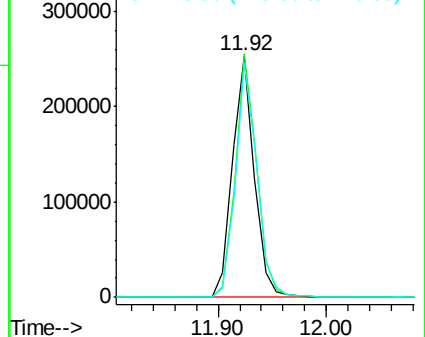
176 97.4 0.0 162.6



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: VD058023.D

Acq: 8 Jun 2018 17:41

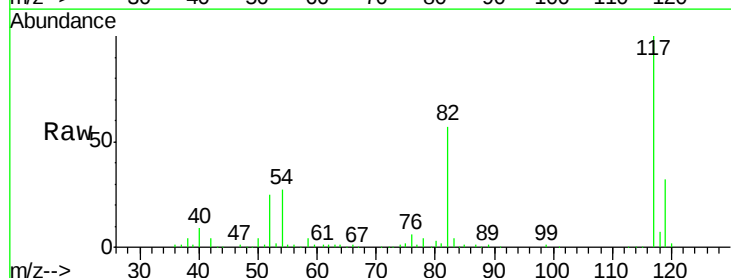
Tgt Ion: 117 Resp: 729908

Ion Ratio Lower Upper

117 100

82 56.9 46.8 70.2

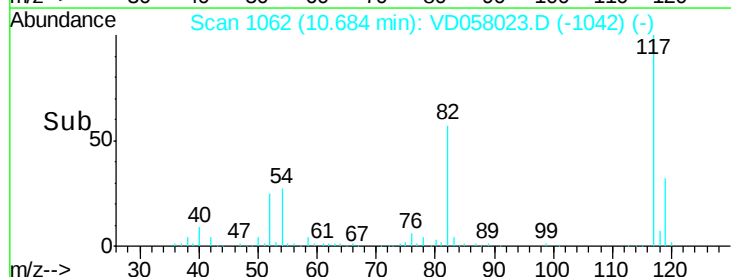
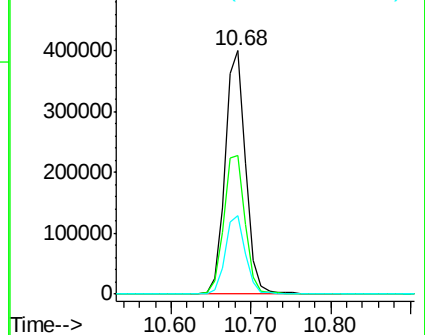
119 32.4 25.8 38.6

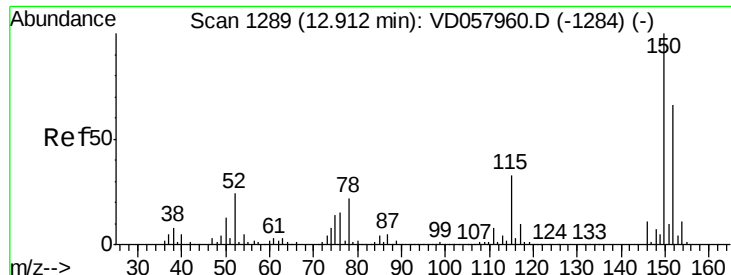


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



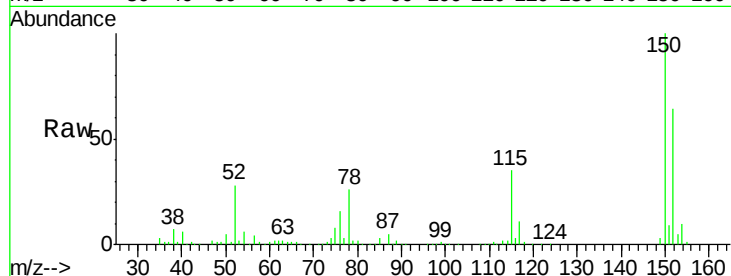


#72

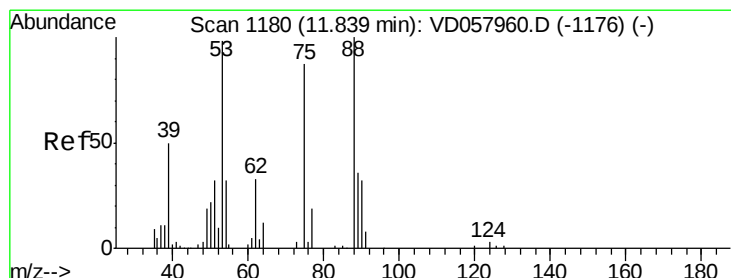
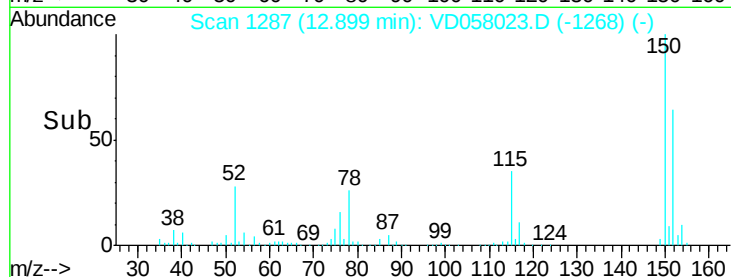
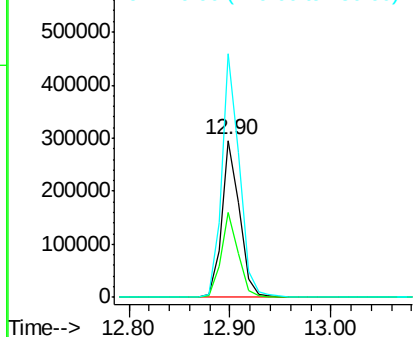
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD058023.D
Acq: 8 Jun 2018 17:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 362880
Ion Ratio Lower Upper
152 100
115 54.4 25.6 76.6
150 155.1 0.0 306.8



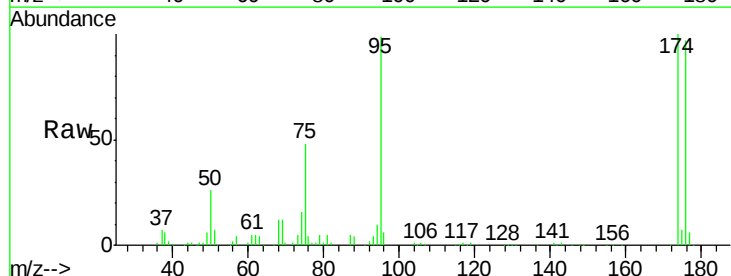
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



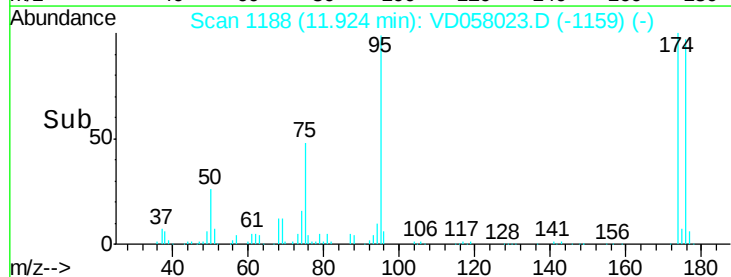
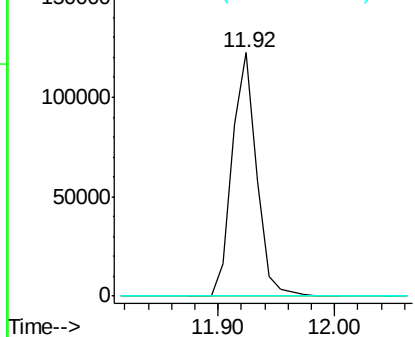
#81

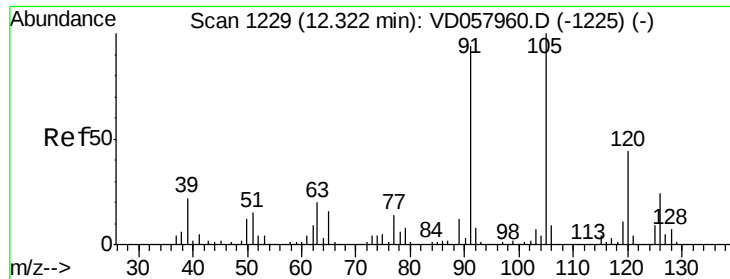
trans-1,4-Dichloro-2-butene
Concen: 131.063 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD058023.D
Acq: 8 Jun 2018 17:41

Tgt Ion: 75 Resp: 176951
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# 1228

Delta R.T. -0.00 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

Instrument :

MSVOA_D

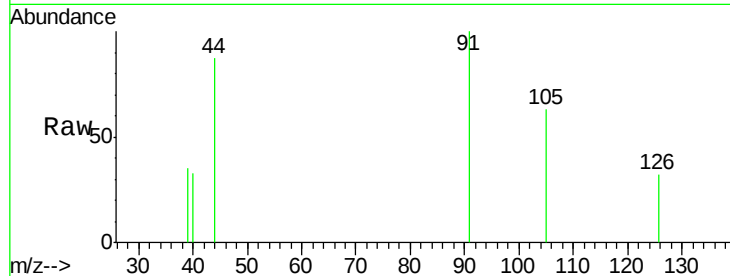
ClientSampleId :

Tot Ion: 91 Resp: 902

Ion Ratio Lower Upper

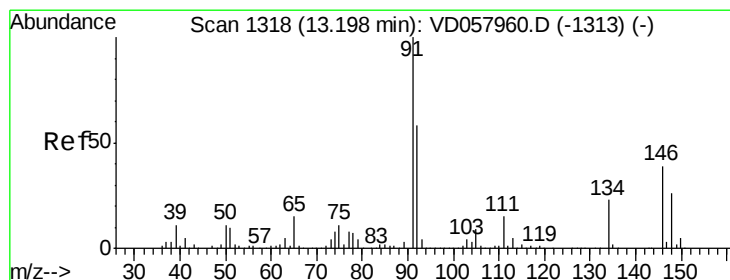
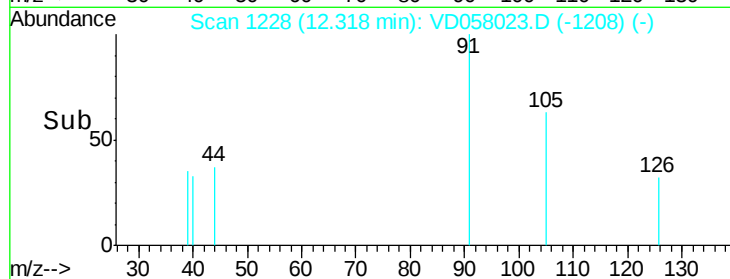
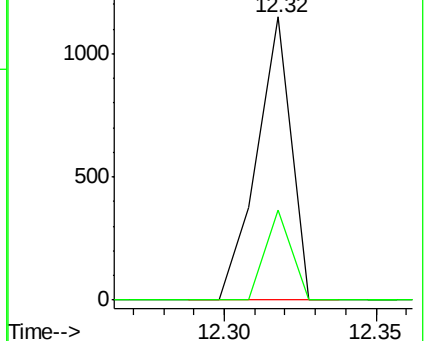
91 100

126 31.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058023.D

Acq: 8 Jun 2018 17:41

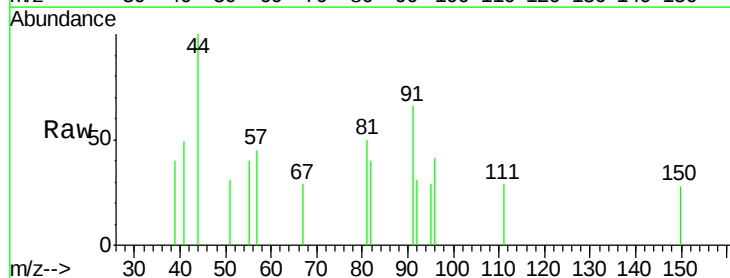
Tgt Ion: 91 Resp: 812

Ion Ratio Lower Upper

91 100

92 46.3 29.2 87.6

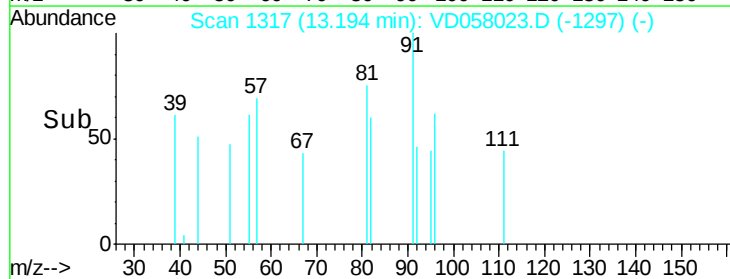
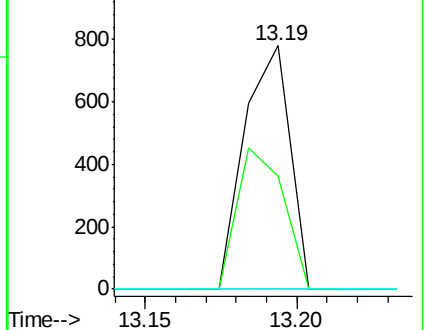
134 0.0 11.3 33.9#

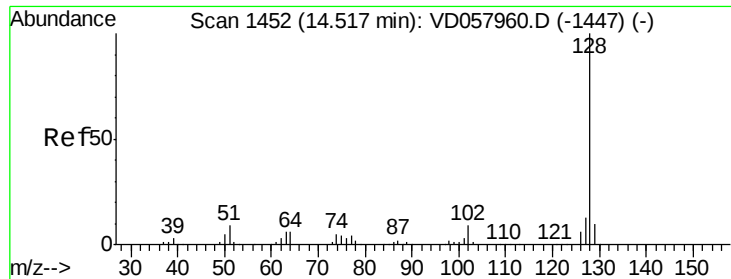


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

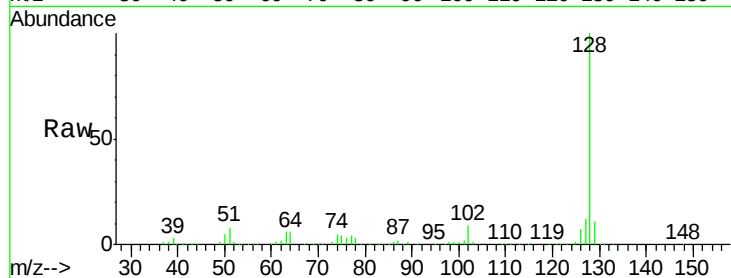




#95
 Naphthalene
 Concen: 60.225 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: VD058023.D
 Acq: 8 Jun 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 705555
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.2 15.2
 129 11.1 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

