

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061219.D
 Acq On : 20 Mar 2019 20:21
 Operator : VA/AP
 Sample : K2004-06
 Misc : 2.55g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:03:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	551386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	879426	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	578529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	154591	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	217111	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	6.92	113	346839	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.40	98	760968	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
62) 4-Bromofluorobenzene	13.55	95	185622	29.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.38%	

Target Compounds

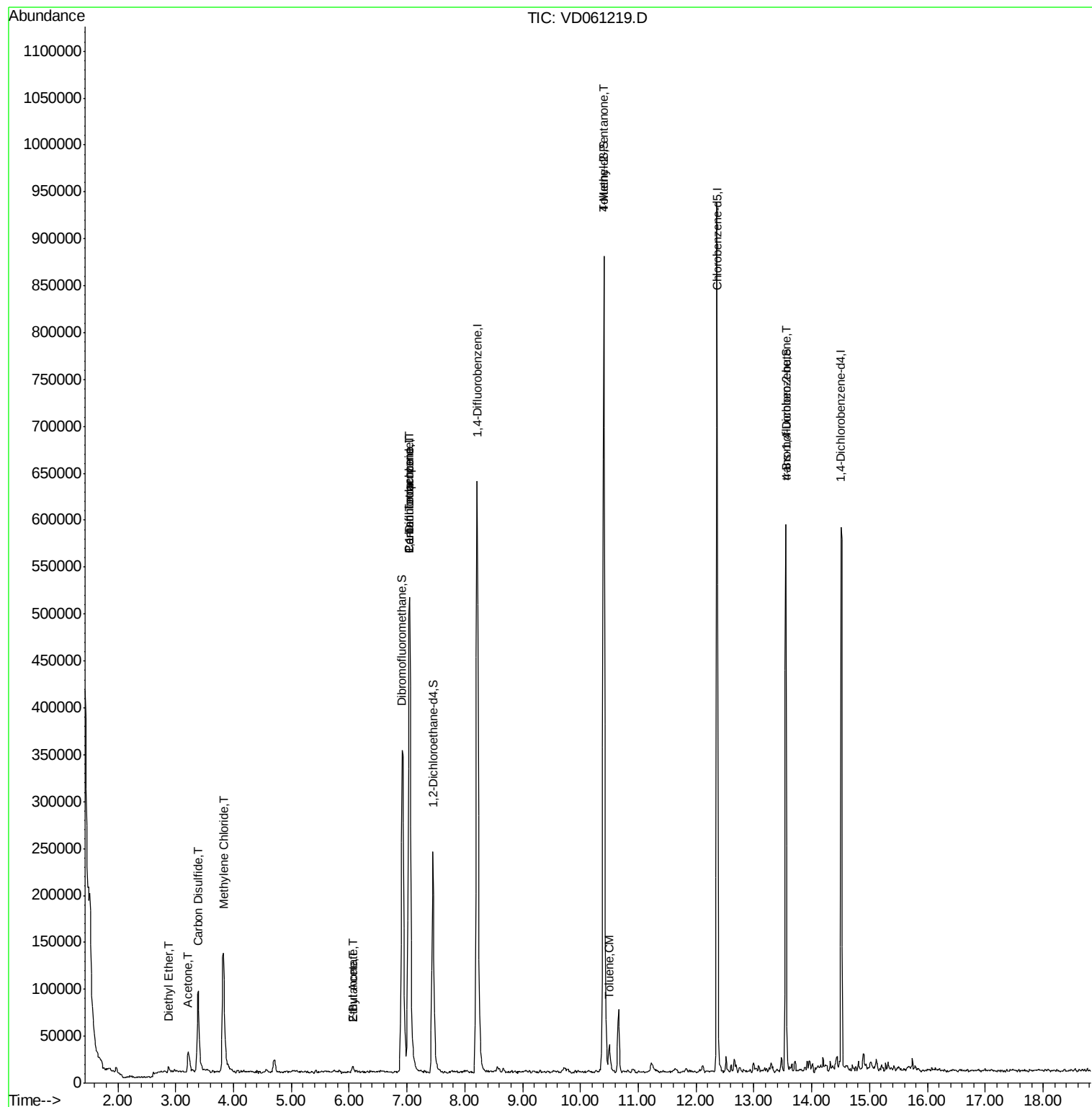
						Qvalue
8) Diethyl Ether	2.88	74	2324	1.166	ug/l	92
16) Acetone	3.22	43	47592	36.262	ug/l	97
17) Carbon Disulfide	3.39	76	186447	9.986	ug/l	99
20) Methylene Chloride	3.82	84	99931	13.273	ug/l	91
25) 2-Butanone	6.06	43	13748	9.231	ug/l	92
36) 1,1-Dichloropropene	7.05	75	37446	4.940	ug/l #	47
37) Ethyl Acetate	6.06	43	13748	3.865	ug/l #	66
38) Carbon Tetrachloride	7.05	117	51670	6.188	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	3223	1.068	ug/l #	1
52) Toluene	10.50	92	16159	1.372	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.55	75	66818	101.903	ug/l #	17

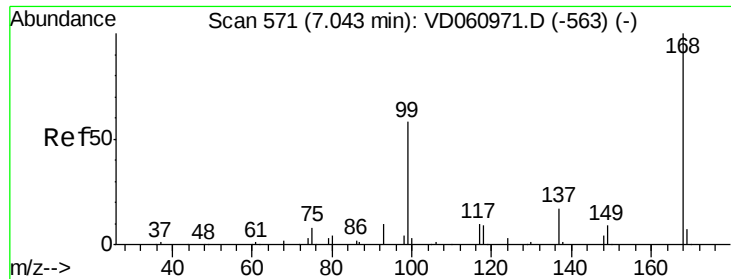
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
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Quant Time: Mar 22 02:03:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

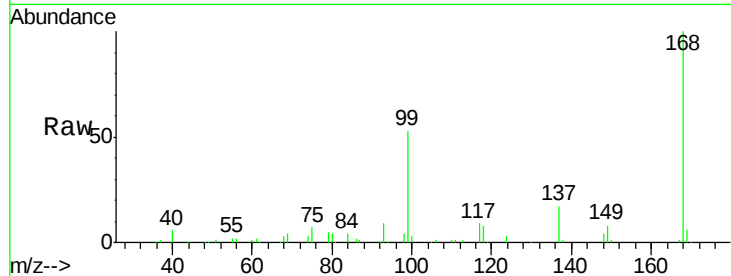
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 551386

Ion Ratio Lower Upper

168 100

99 52.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

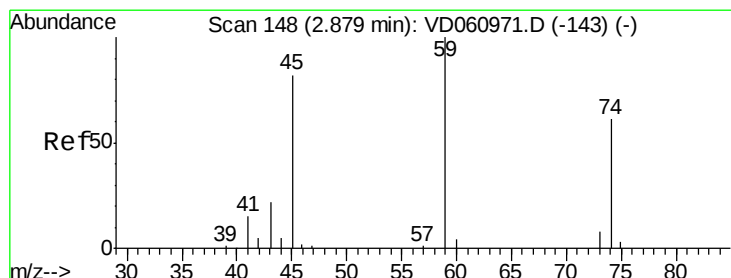
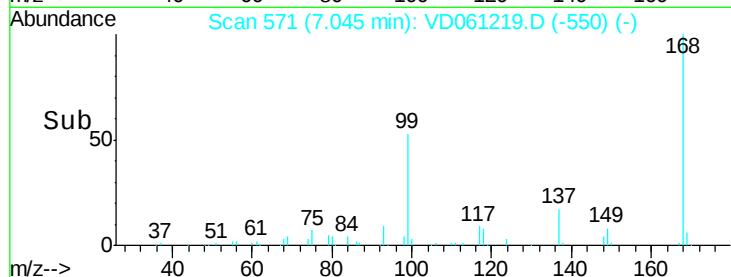
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.166 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.00 min

Lab File: VD061219.D

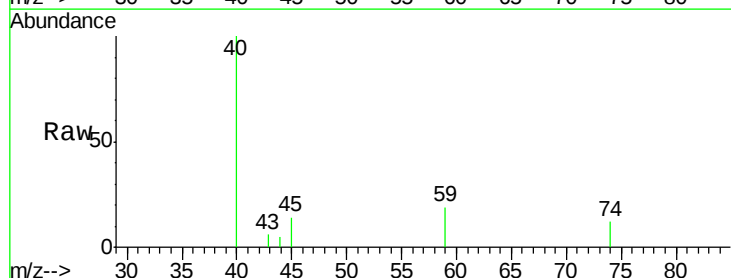
Acq: 20 Mar 2019 20:21

Tgt Ion: 74 Resp: 2324

Ion Ratio Lower Upper

74 100

45 124.4 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88

1500

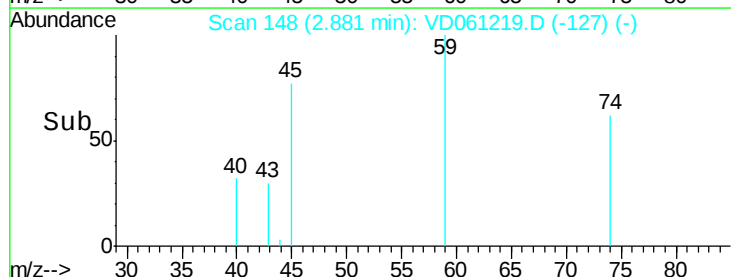
1000

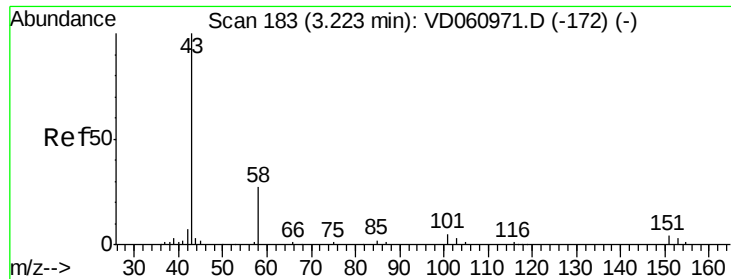
500

0

Time-->

2.85 2.90





#16

Acetone

Concen: 36.262 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

Instrument :

MSVOA_D

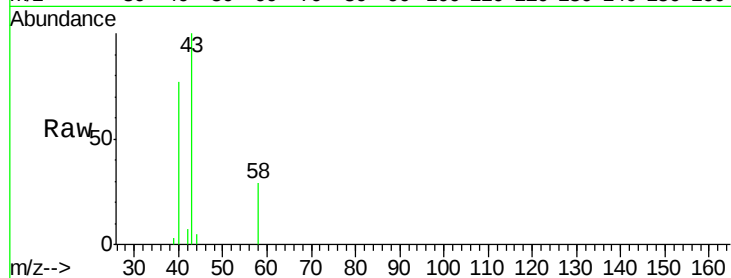
ClientSampleId :

Tot Ion: 43 Resp: 47592

Ion Ratio Lower Upper

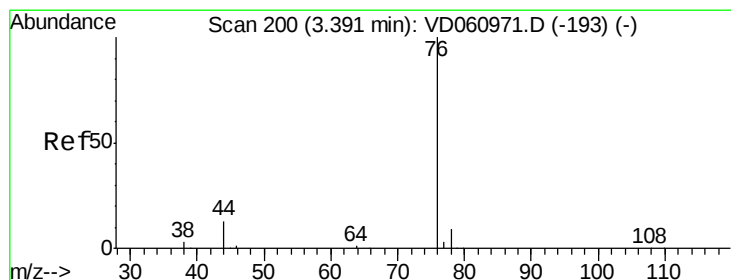
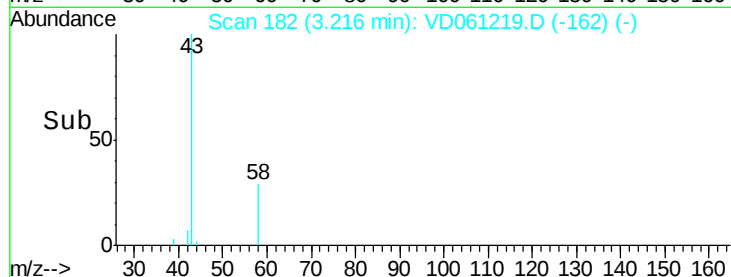
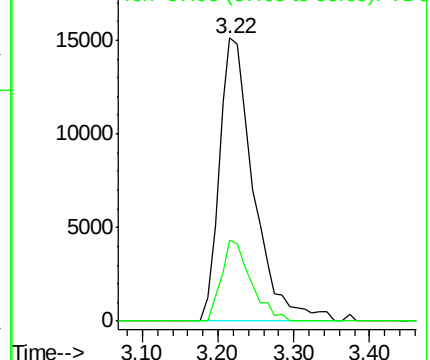
43 100

58 28.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 9.986 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061219.D

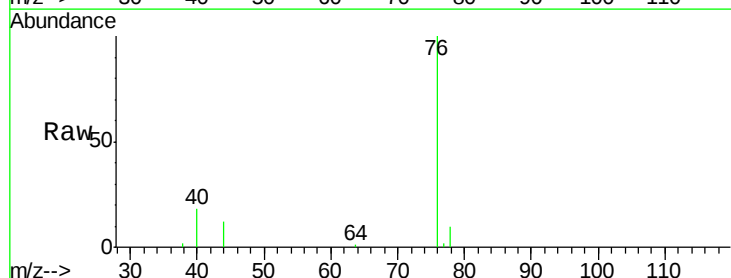
Acq: 20 Mar 2019 20:21

Tgt Ion: 76 Resp: 186447

Ion Ratio Lower Upper

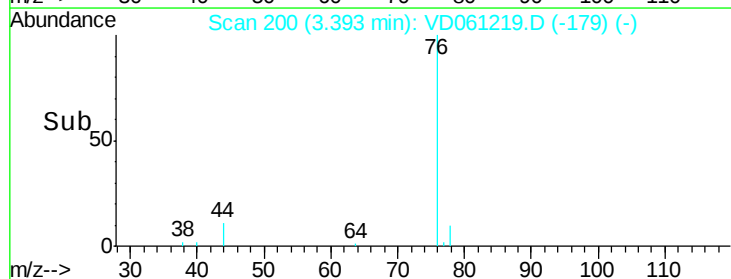
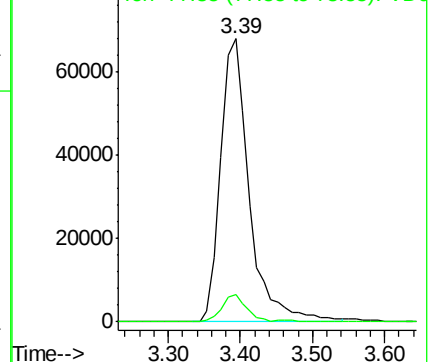
76 100

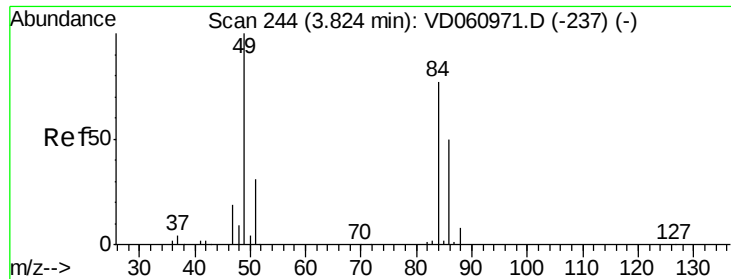
78 9.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

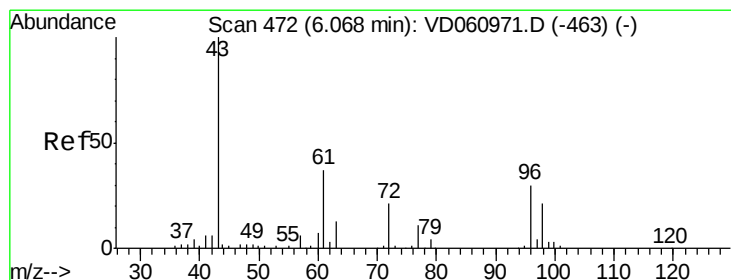
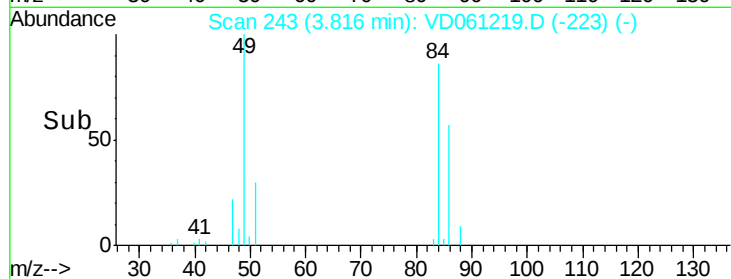
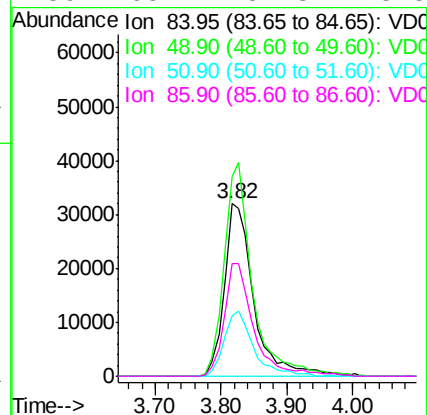
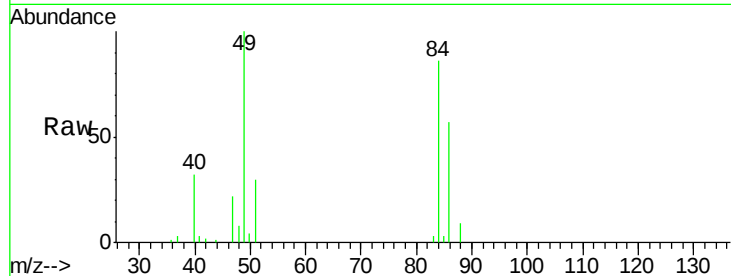




#20
Methylene Chloride
Concen: 13.273 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061219.D
Acq: 20 Mar 2019 20:21

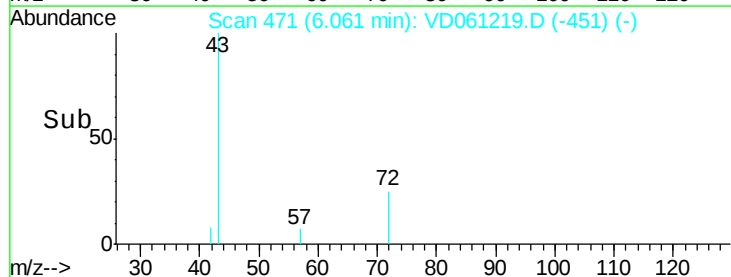
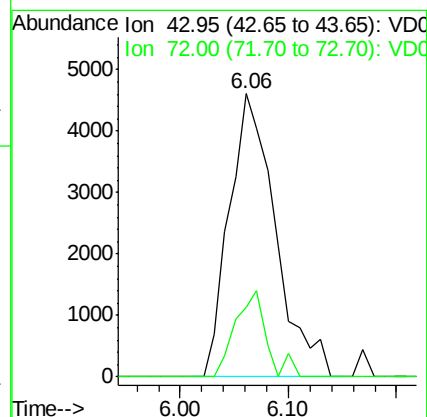
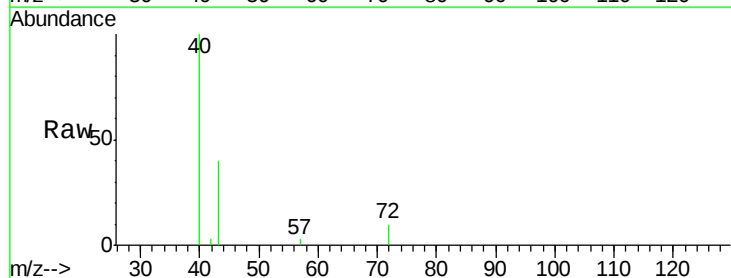
Instrument :
MSVOA_D
ClientSampleId :

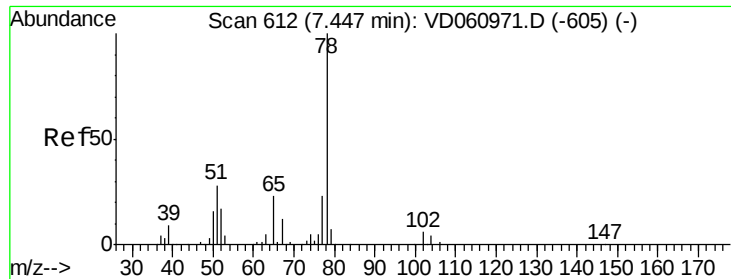
Tot Ion: 84 Resp: 99931
Ion Ratio Lower Upper
84 100
49 115.7 104.2 156.2
51 34.7 32.3 48.5
86 65.7 52.3 78.5



#25
2-Butanone
Concen: 9.231 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD061219.D
Acq: 20 Mar 2019 20:21

Tgt Ion: 43 Resp: 13748
Ion Ratio Lower Upper
43 100
72 24.6 16.7 25.1

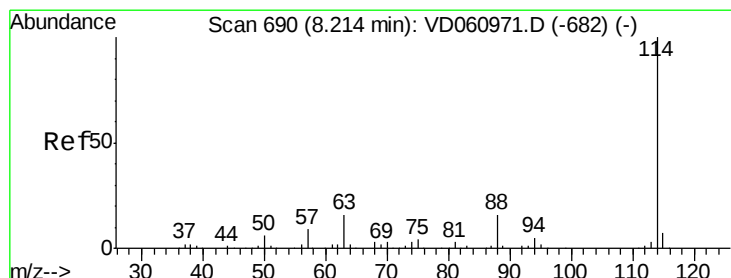
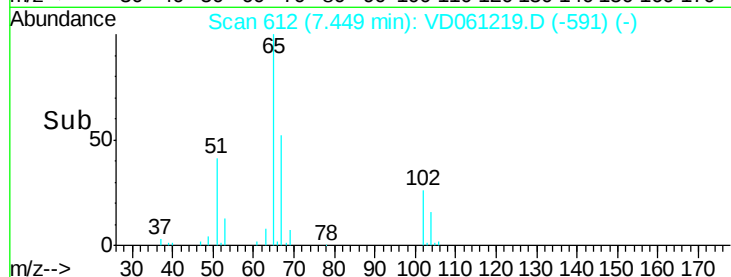
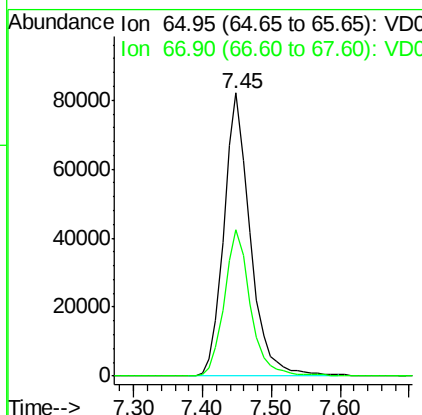
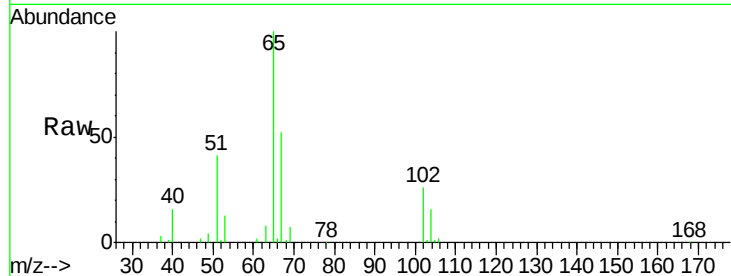




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061219.D
 Acq: 20 Mar 2019 20:21

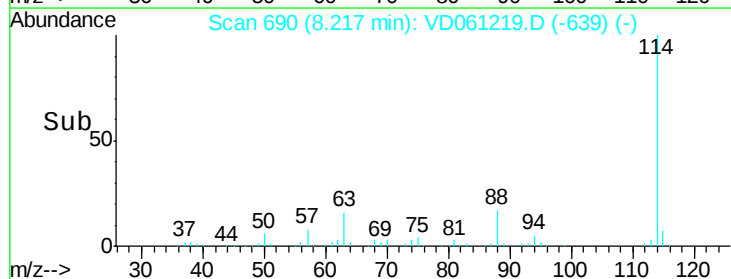
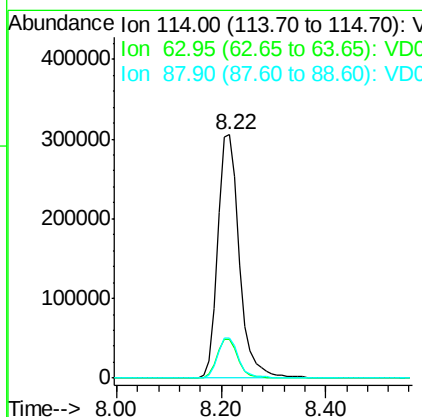
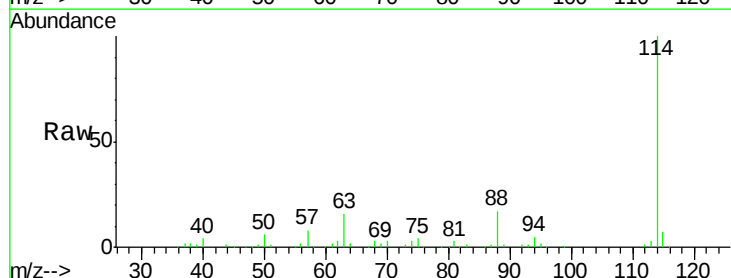
Instrument :
 MSVOA_D
 ClientSampleId :

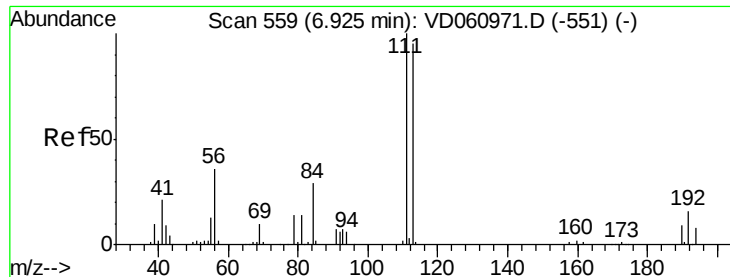
Tot Ion: 65 Resp: 217111
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061219.D
 Acq: 20 Mar 2019 20:21

Tgt Ion: 114 Resp: 879426
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

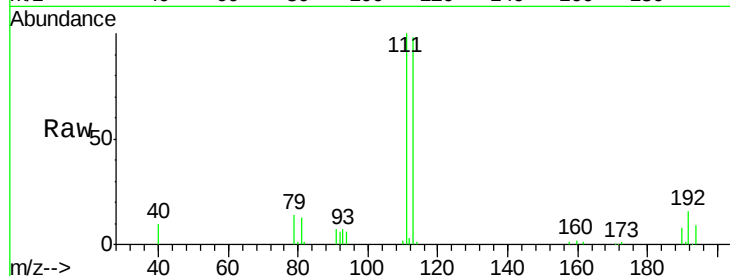
Tot Ion:113 Resp: 346839

Ion Ratio Lower Upper

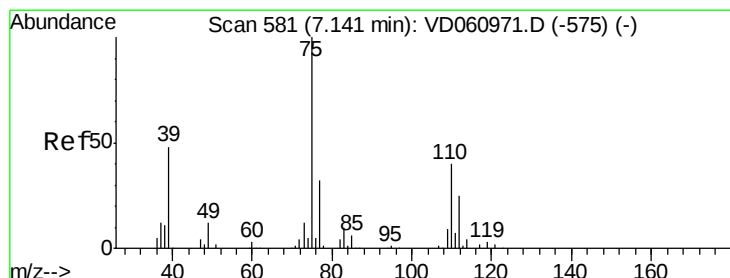
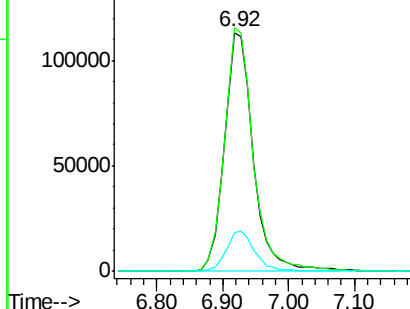
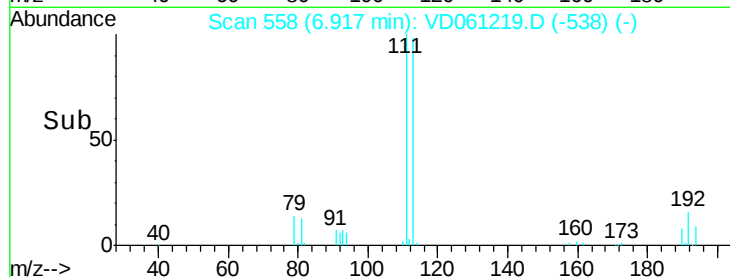
113 100

111 101.9 84.2 126.4

192 16.1 13.1 19.7



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: 4.940 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

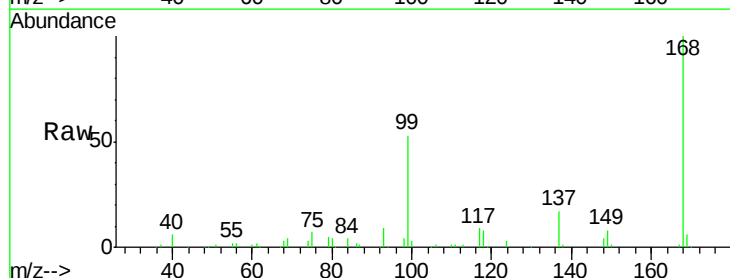
Tgt Ion: 75 Resp: 37446

Ion Ratio Lower Upper

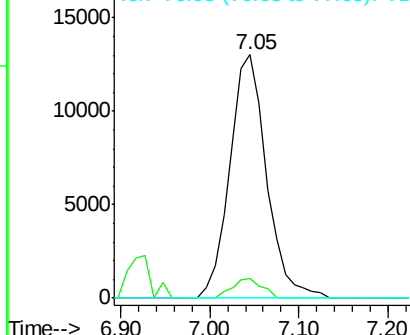
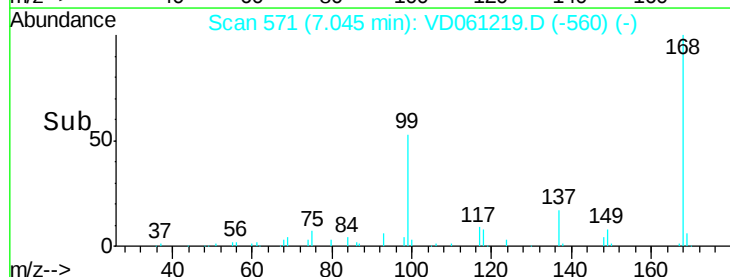
75 100

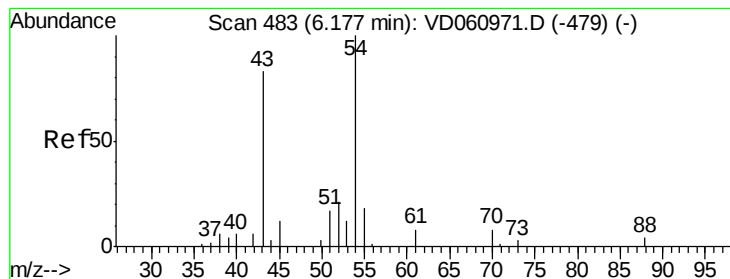
110 8.0 19.7 59.1#

77 0.0 24.7 37.1#



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: 3.865 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.12 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

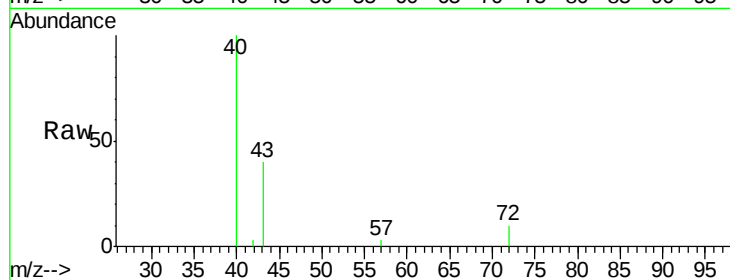
Tot Ion: 43 Resp: 13748

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

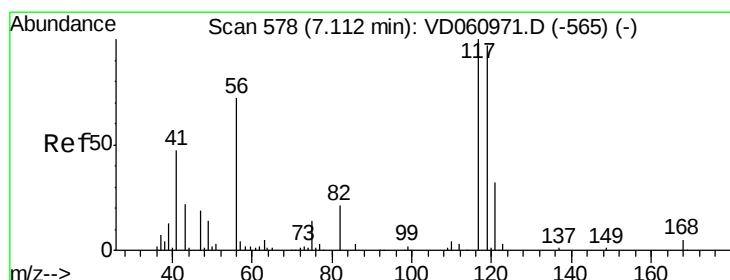
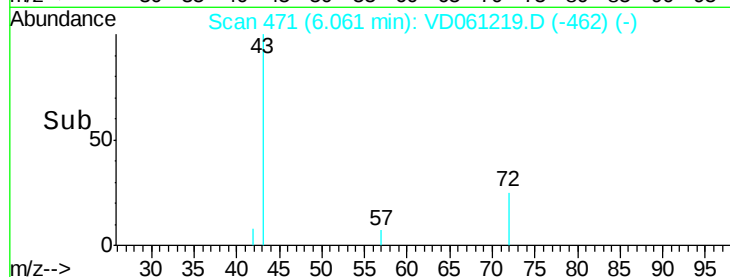
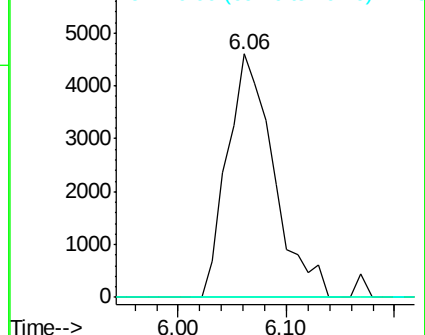
70 0.0 7.1 10.7#



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



#38

Carbon Tetrachloride

Concen: 6.188 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

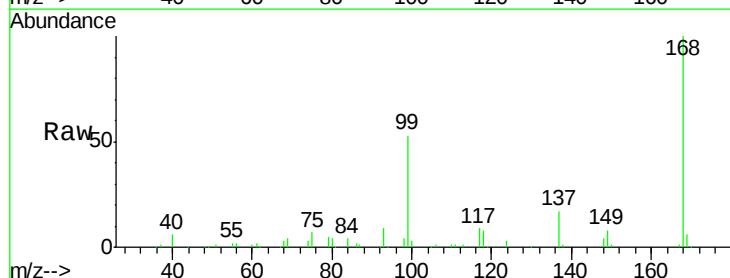
Tgt Ion: 117 Resp: 51670

Ion Ratio Lower Upper

117 100

119 4.4 77.8 116.8#

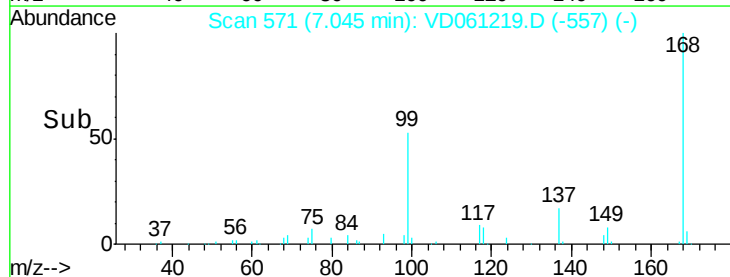
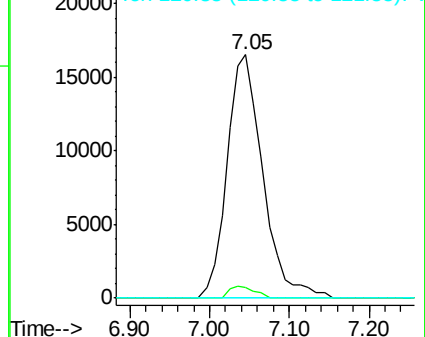
121 0.0 25.3 37.9#

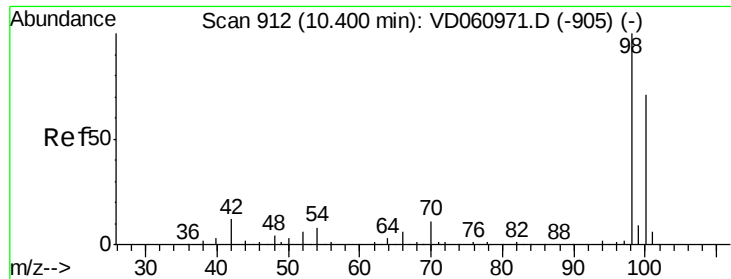


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

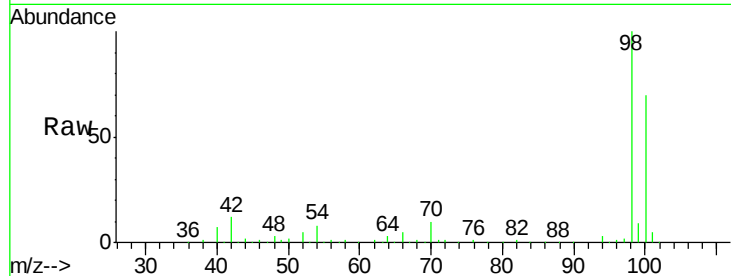




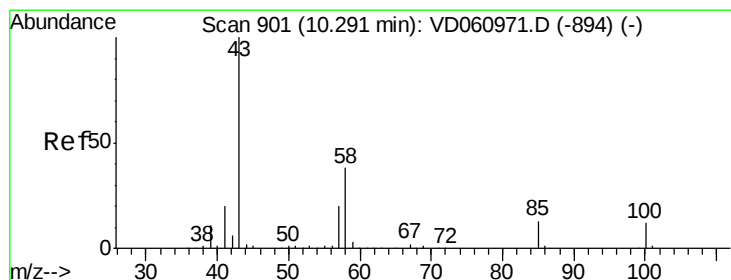
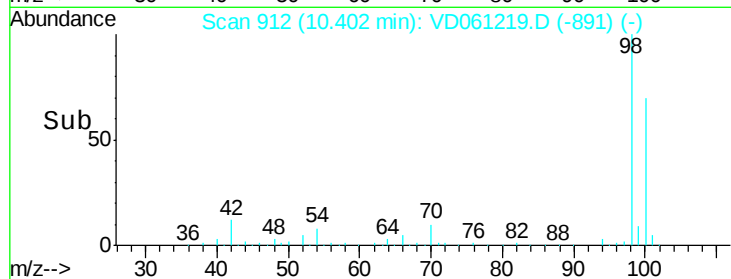
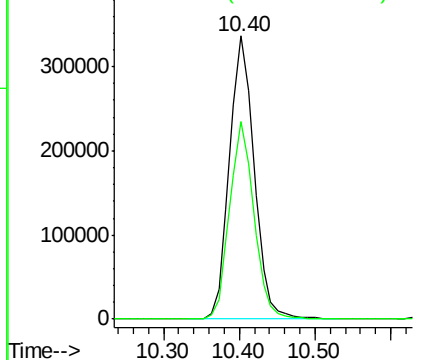
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061219.D
Acq: 20 Mar 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 760968
Ion Ratio Lower Upper
98 100
100 69.7 57.4 86.2

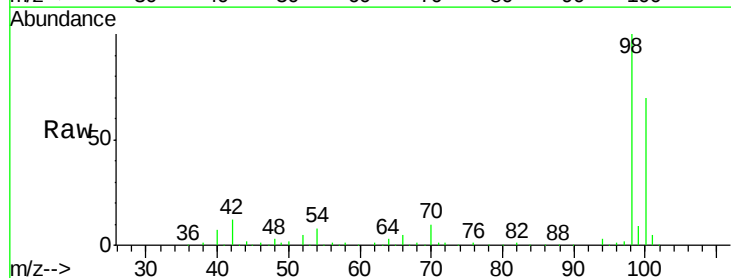


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

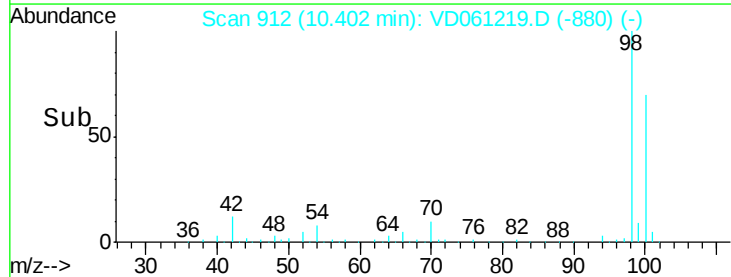
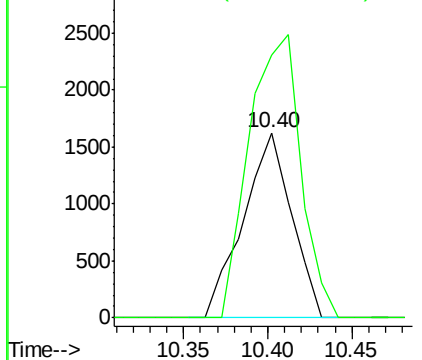


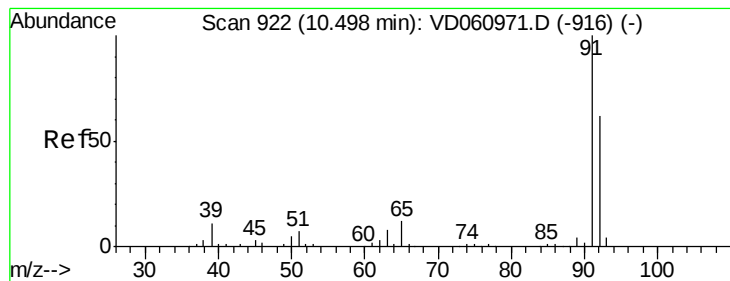
#51
4-Methyl-2-Pentanone
Concen: 1.068 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD061219.D
Acq: 20 Mar 2019 20:21

Tgt Ion: 43 Resp: 3223
Ion Ratio Lower Upper
43 100
58 142.2 30.2 45.2#



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





#52

Toluene

Concen: 1.372 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

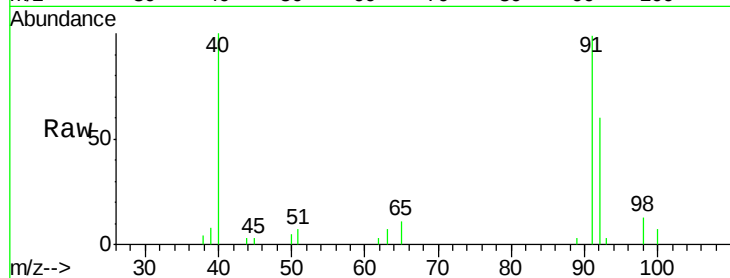
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 16159

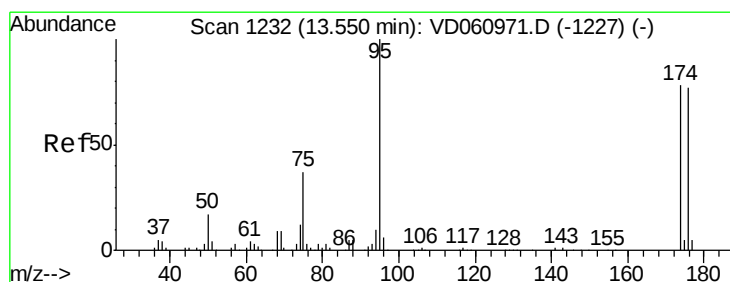
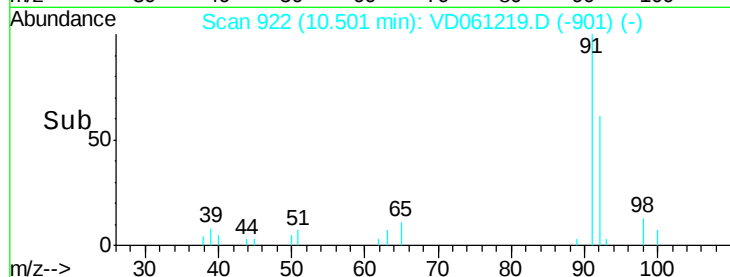
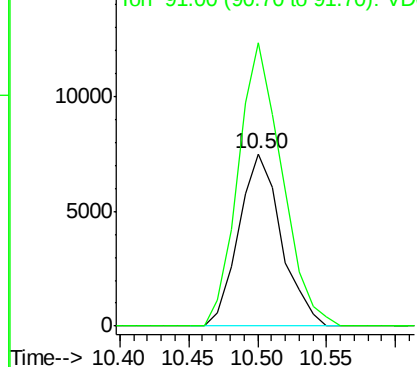
Ion Ratio Lower Upper

92 100

91 164.3 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

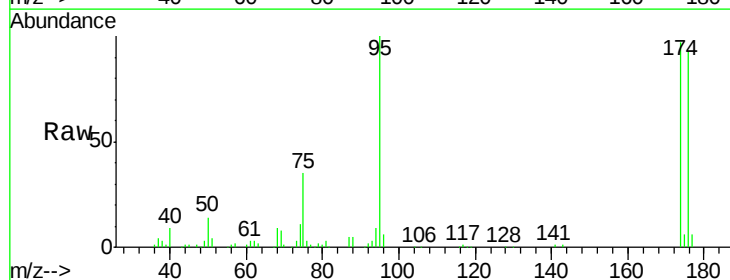
Tgt Ion: 95 Resp: 185622

Ion Ratio Lower Upper

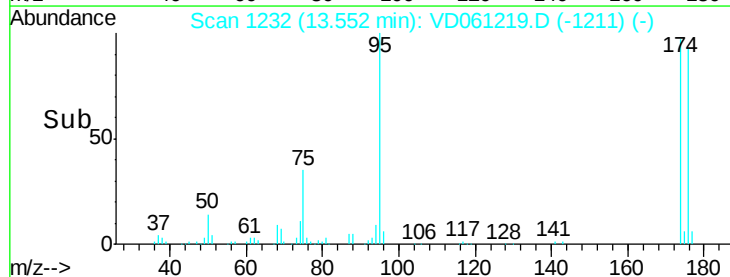
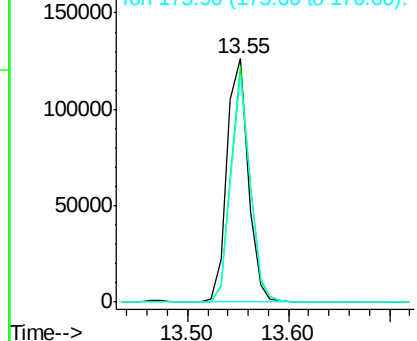
95 100

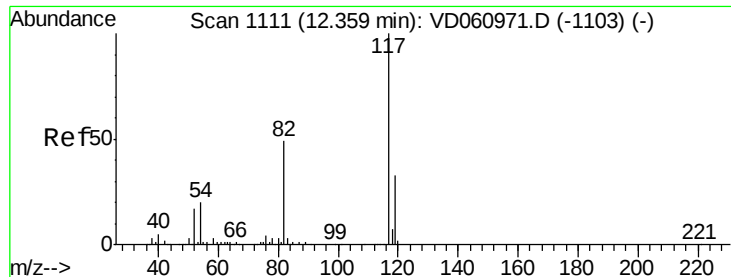
174 96.7 0.0 155.6

176 93.0 0.0 153.8



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

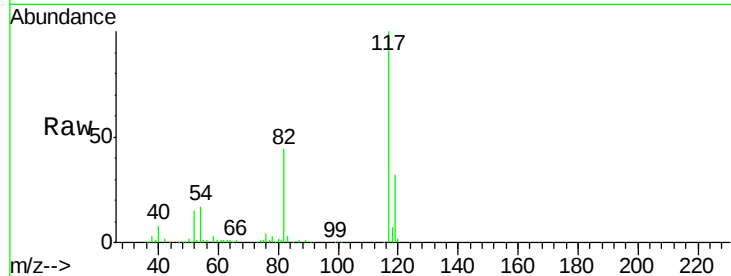




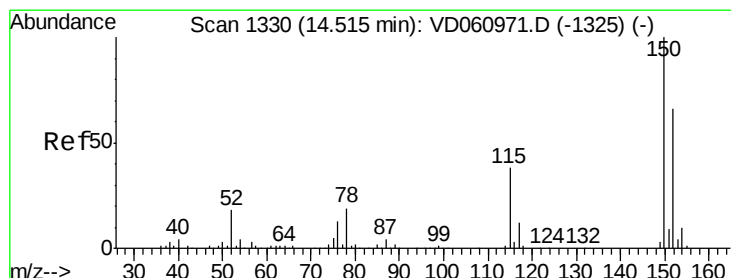
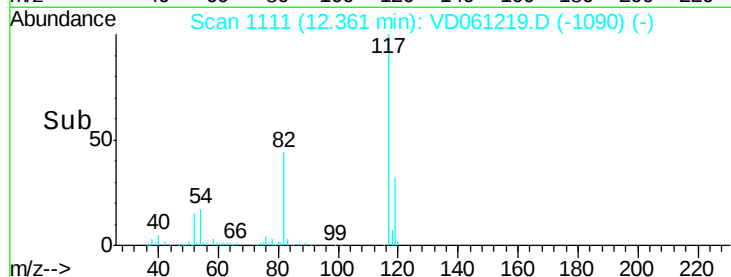
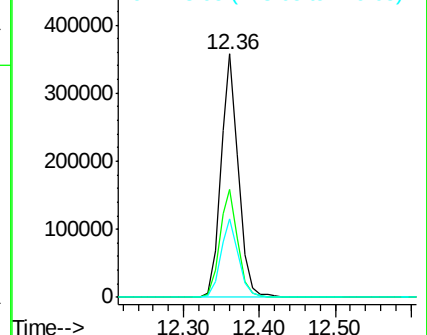
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061219.D
Acq: 20 Mar 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 578529
Ion Ratio Lower Upper
117 100
82 44.3 38.9 58.3
119 32.1 26.6 39.8

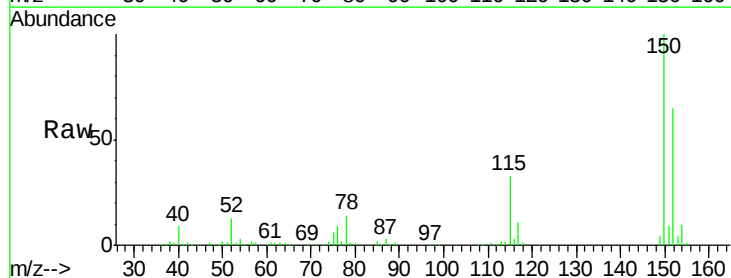


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

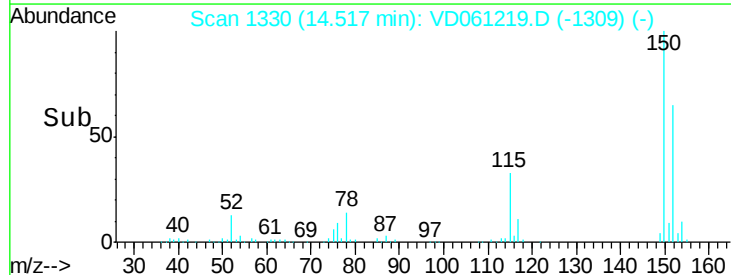
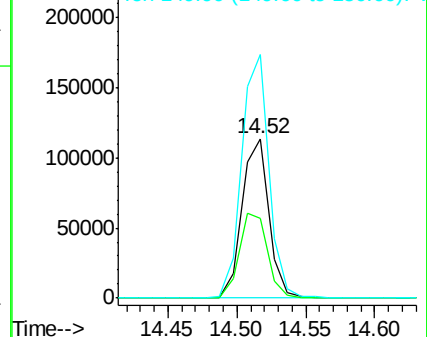


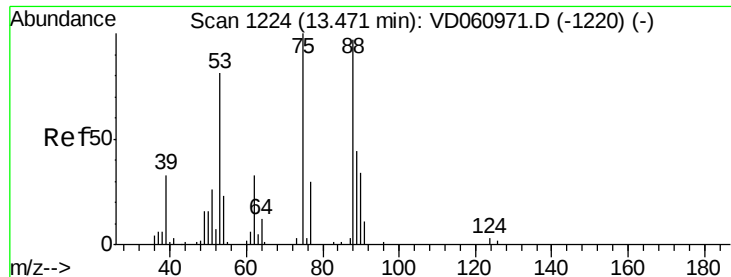
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061219.D
Acq: 20 Mar 2019 20:21

Tgt Ion:152 Resp: 154591
Ion Ratio Lower Upper
152 100
115 50.2 28.6 85.9
150 153.0 0.0 310.6



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: 101.903 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061219.D

Acq: 20 Mar 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 66818

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

