

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060986.D
 Acq On : 8 Mar 2019 16:21
 Operator : VA/AP
 Sample : K1780-05
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-B

Quant Time: Mar 08 22:06:19 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	738937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1417138	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1204034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	540018	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	354144	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
35) Dibromofluoromethane	6.92	113	570162	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
50) Toluene-d8	10.41	98	1358777	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	13.56	95	547443	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

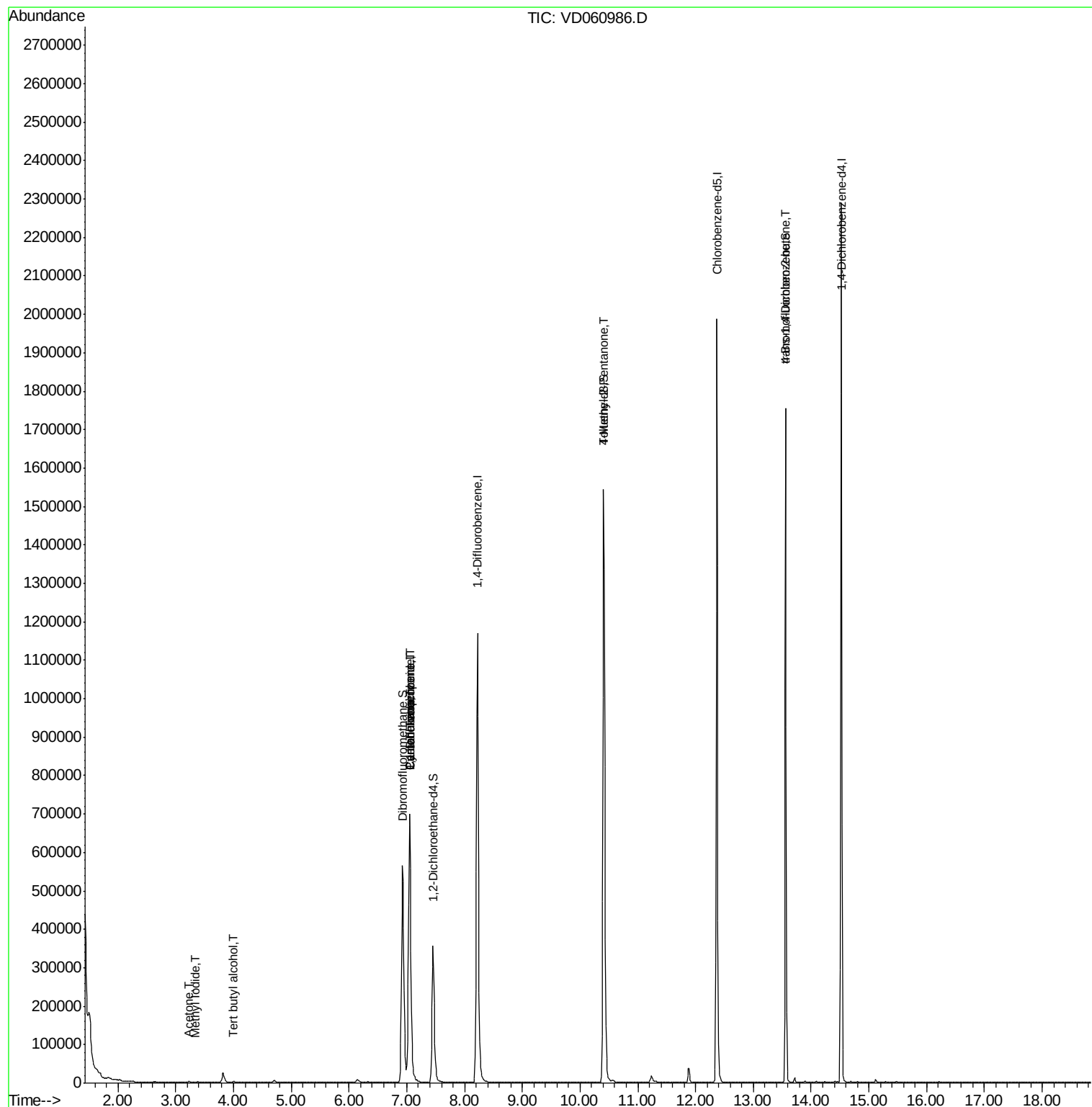
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	421	Below Cal	#	8
10) Methyl Iodide	3.32	142	201	2.949	ug/l #	39
11) Tert butyl alcohol	4.00	59	868	2.217	ug/l #	75
16) Acetone	3.23	43	3579	2.035	ug/l #	48
20) Methylene Chloride	3.82	84	19097	Below Cal		96
31) Cyclohexane	7.04	56	13189	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	56779	4.648	ug/l #	46
38) Carbon Tetrachloride	7.05	117	71428	5.308	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	5669	1.166	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	202222	88.287	ug/l #	17

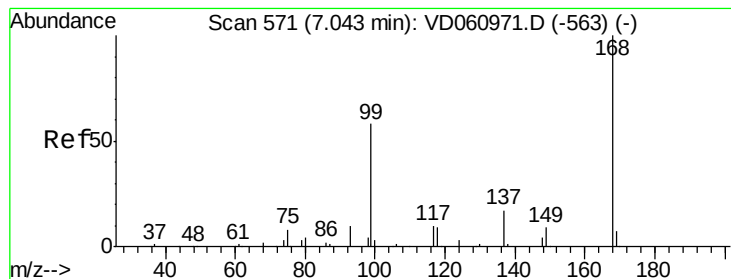
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030819\
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Quant Time: Mar 08 22:06:19 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# 572

Delta R.T. 0.01 min

Lab File: VD060986.D

Acq: 8 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

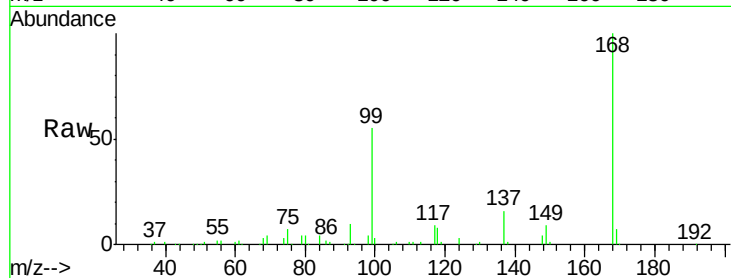
SOIL-B

Tot Ion:168 Resp: 738937

Ion Ratio Lower Upper

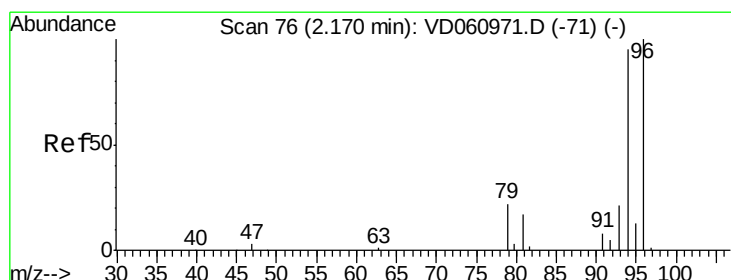
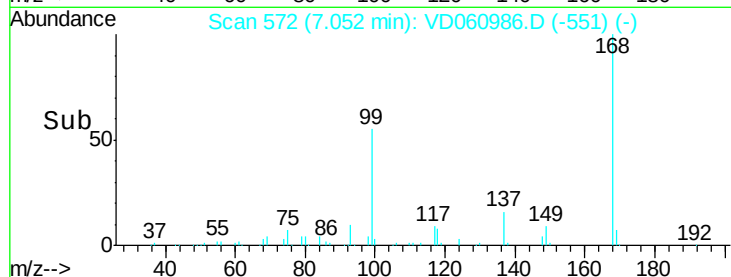
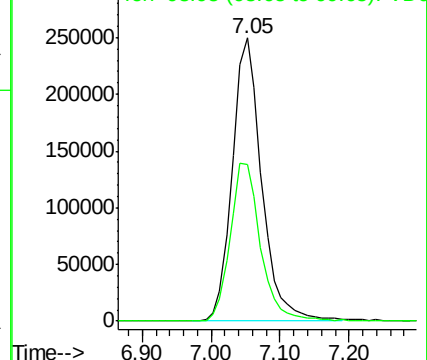
168 100

99 55.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060986.D

Acq: 8 Mar 2019 16:21

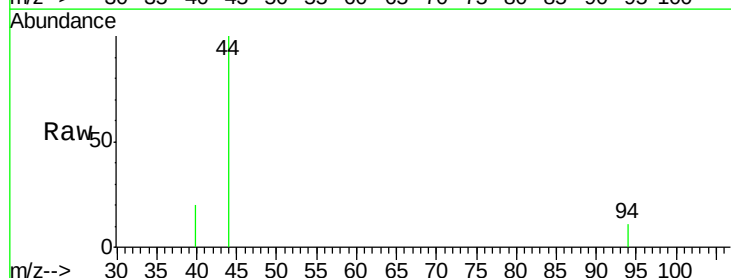
Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

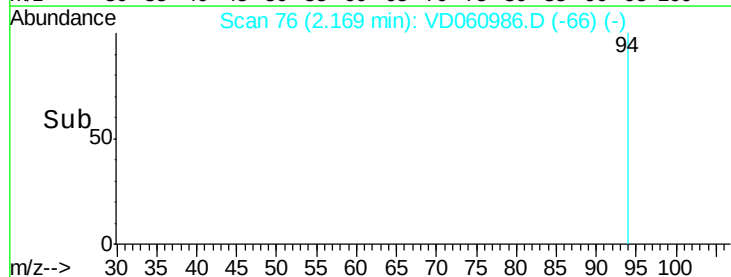
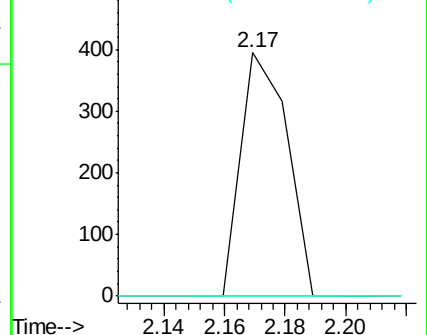
93 0.0 17.3 25.9#

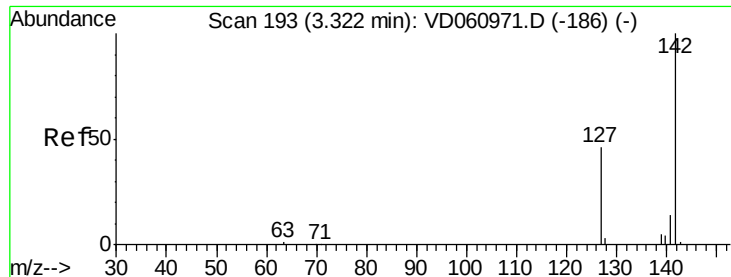


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

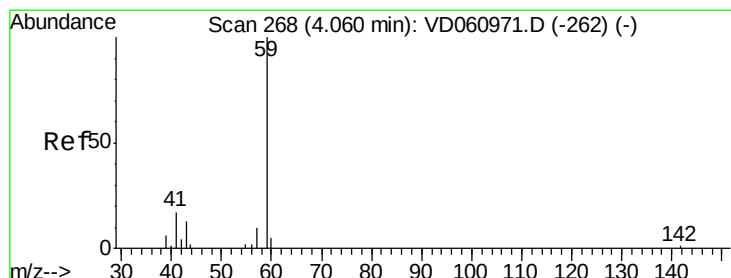
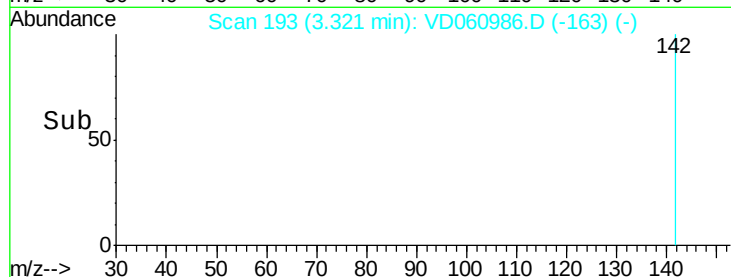
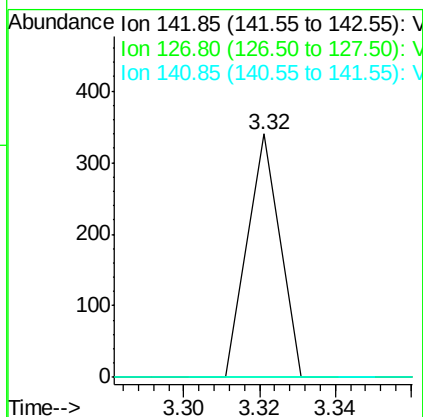
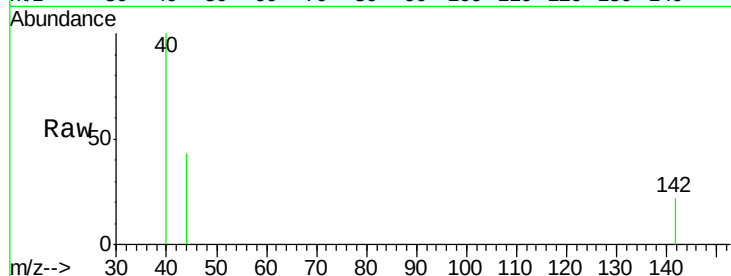




#10
Methvl Iodide
Concen: 2.949 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.00 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

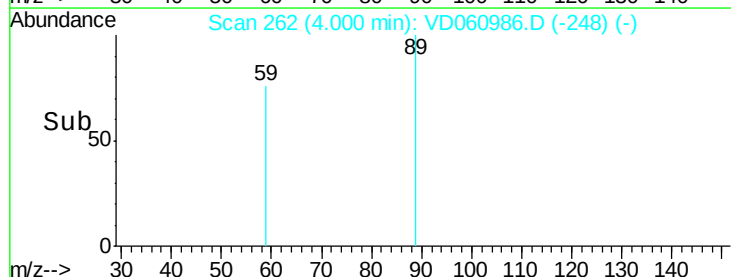
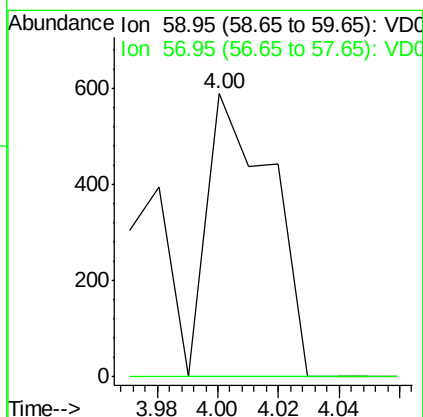
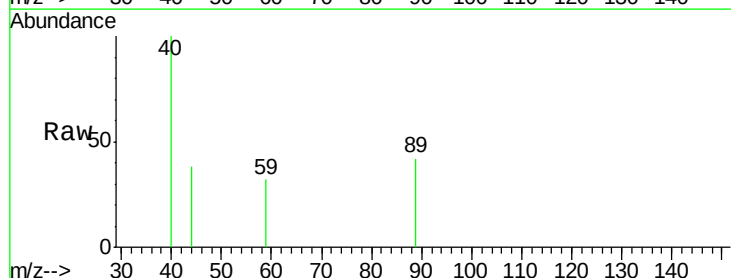
Instrument :
MSVOA_D
ClientSampleId :
SOIL-B

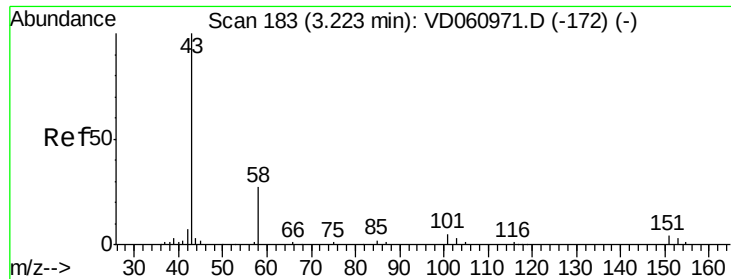
Tot Ion:142 Resp: 201
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 2.217 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.06 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

Tgt Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#

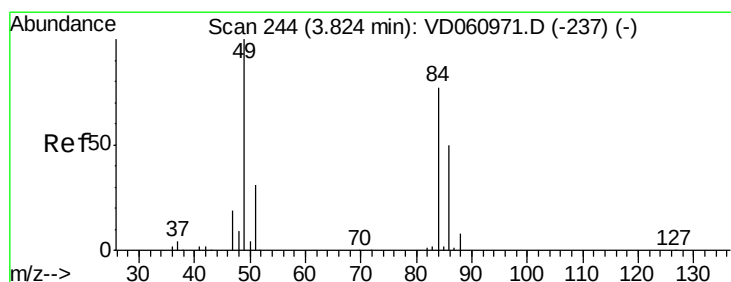
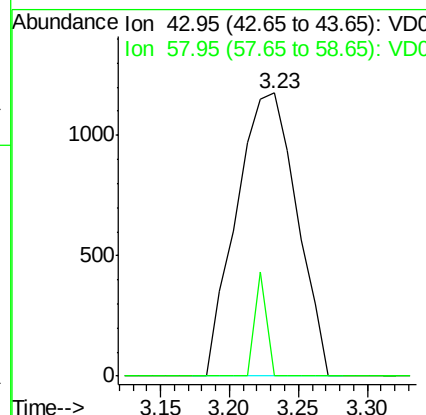
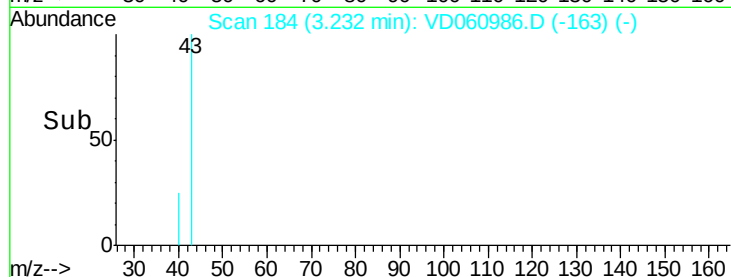
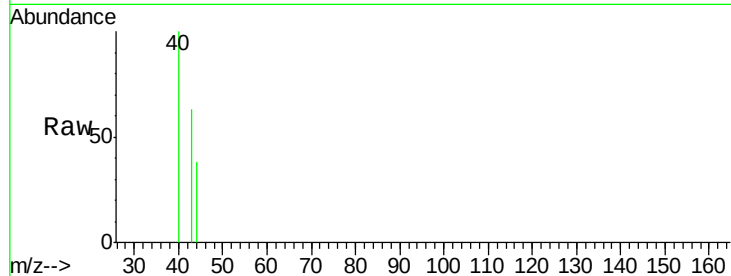




#16
Acetone
Concen: 2.035 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

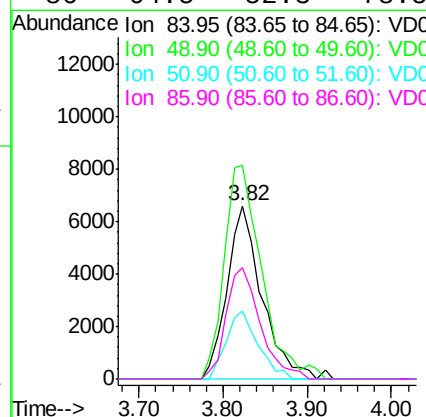
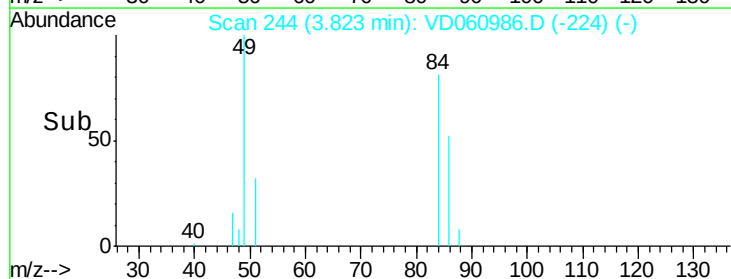
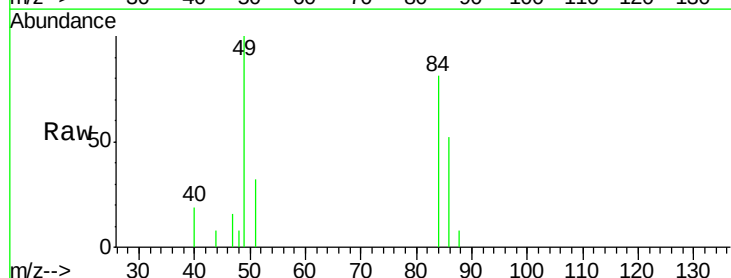
Instrument :
MSVOA_D
ClientSampleId :
SOIL-B

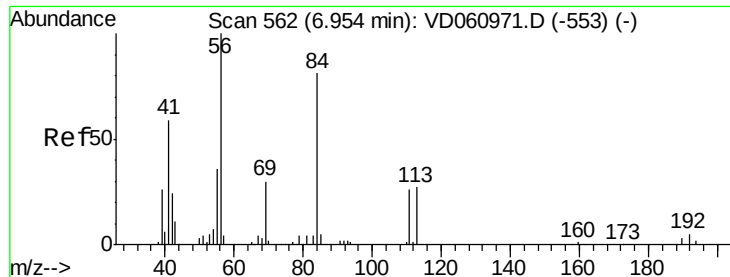
Tot Ion: 43 Resp: 3579
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

Tgt Ion: 84 Resp: 19097
Ion Ratio Lower Upper
84 100
49 123.2 104.2 156.2
51 38.9 32.3 48.5
86 64.5 52.3 78.5

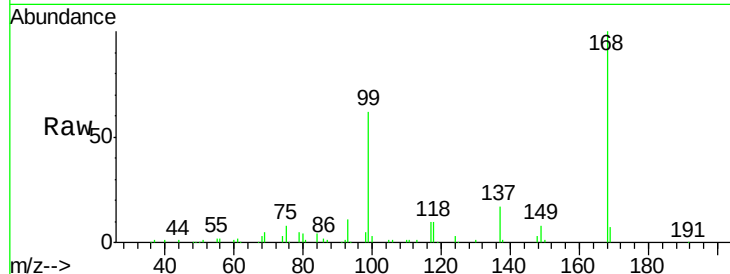




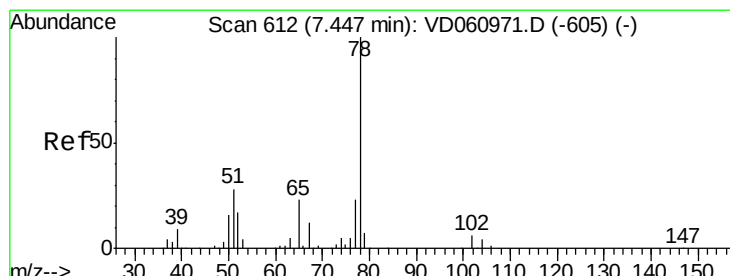
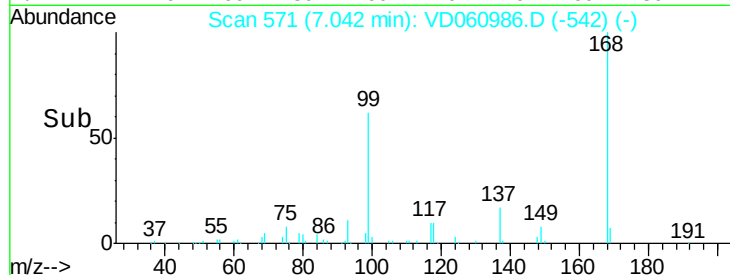
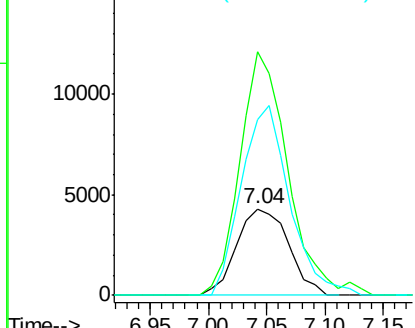
#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
SOIL-B

Tot Ion: 56 Resp: 13189
Ion Ratio Lower Upper
56 100
69 282.5 24.0 36.0#
84 204.2 65.8 98.6#

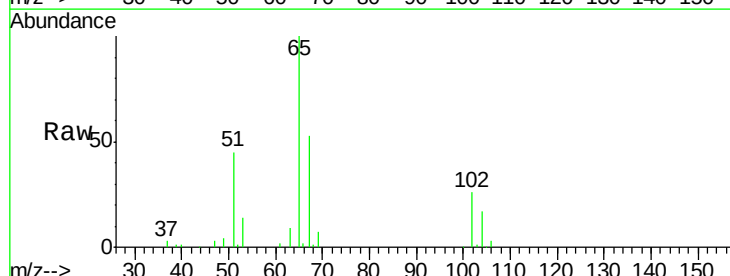


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

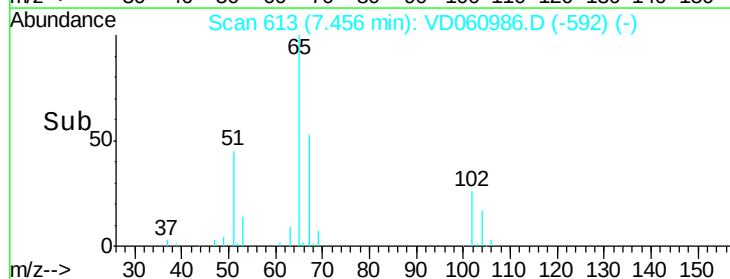
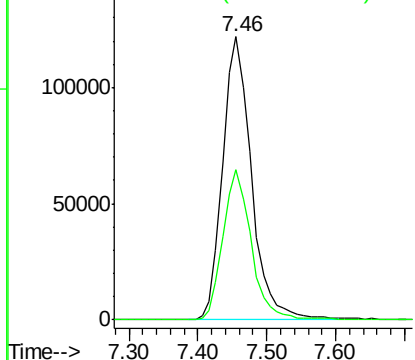


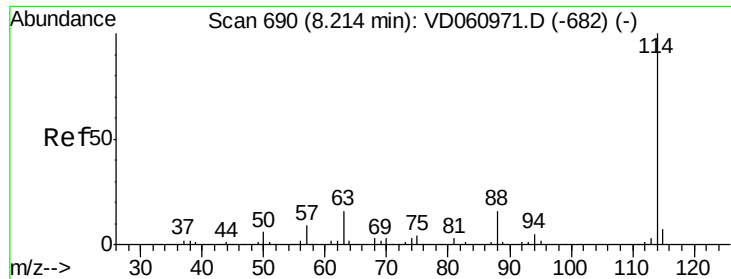
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

Tgt Ion: 65 Resp: 354144
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

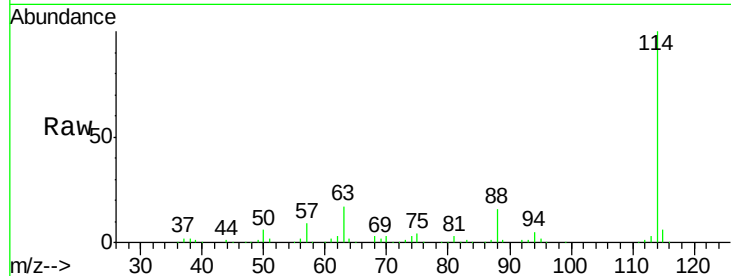




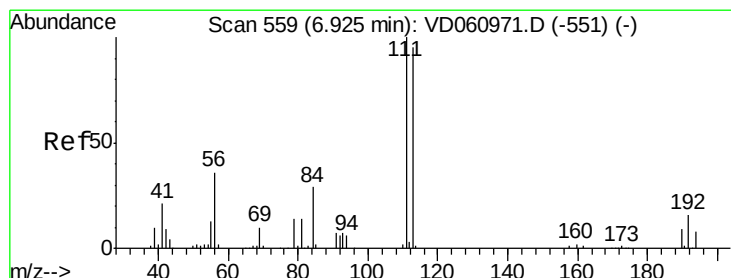
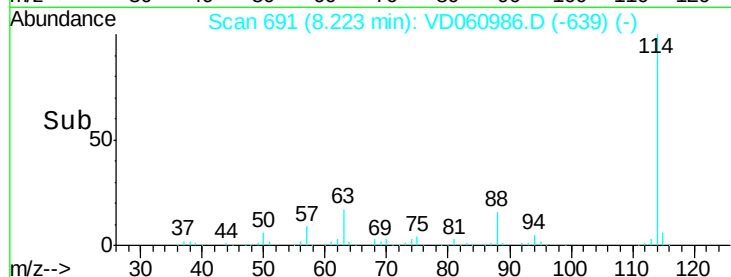
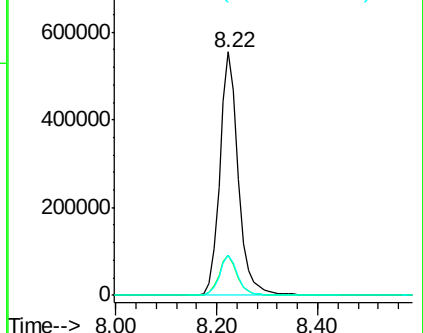
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD060986.D
 Acq: 8 Mar 2019 16:21

Instrument :
 MSVOA_D
 ClientSampled :
 SOIL-B

Tot Ion:114 Resp: 1417138
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 16.4 0.0 33.0

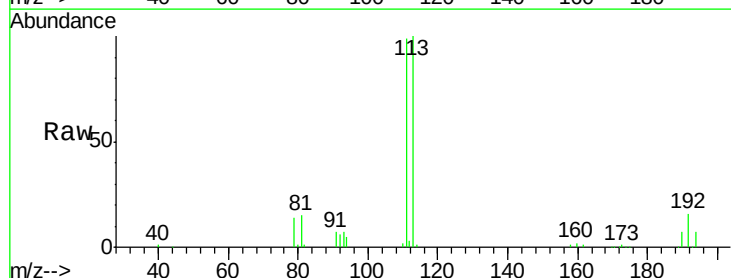


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

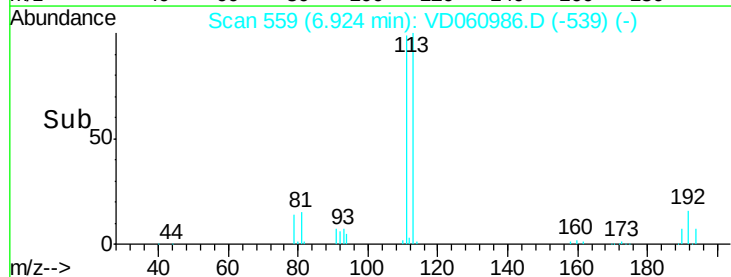
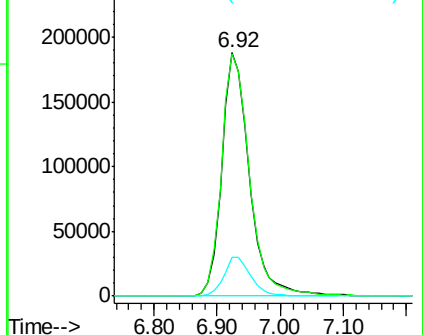


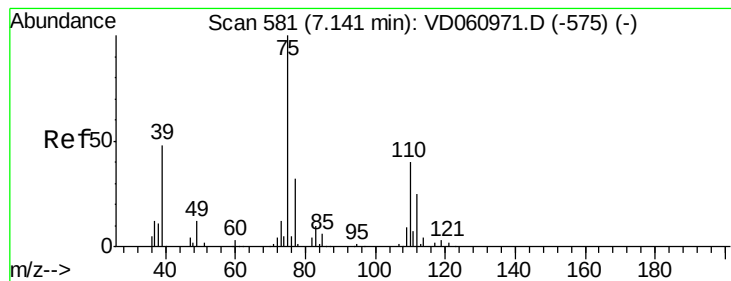
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD060986.D
 Acq: 8 Mar 2019 16:21

Tgt Ion:113 Resp: 570162
 Ion Ratio Lower Upper
 113 100
 111 99.4 84.2 126.4
 192 16.0 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: 4.648 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD060986.D

Acq: 8 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleID :

SOIL-B

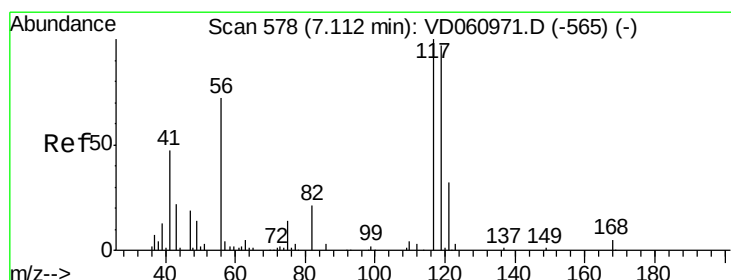
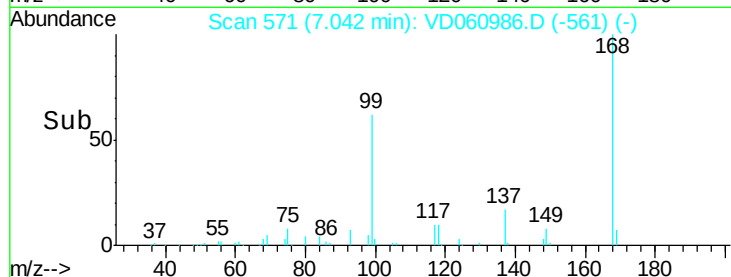
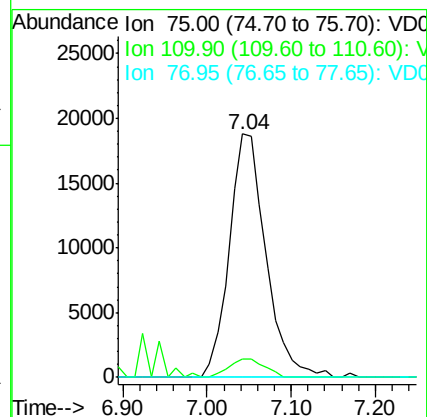
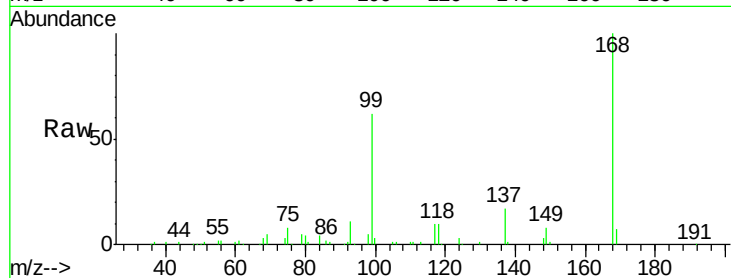
Tot Ion: 75 Resp: 56779

Ion Ratio Lower Upper

75 100

110 7.4 19.7 59.1#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.308 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD060986.D

Acq: 8 Mar 2019 16:21

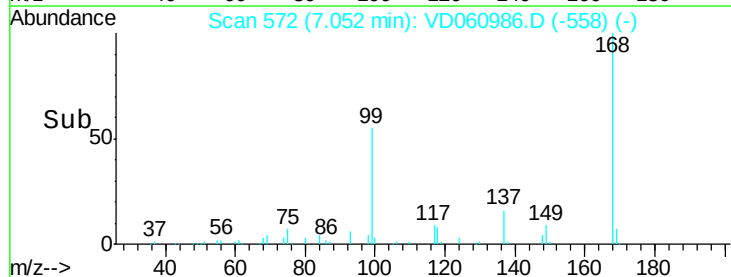
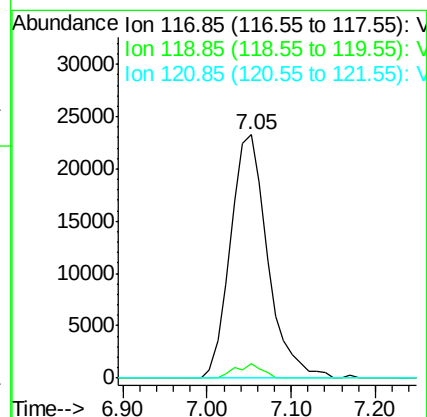
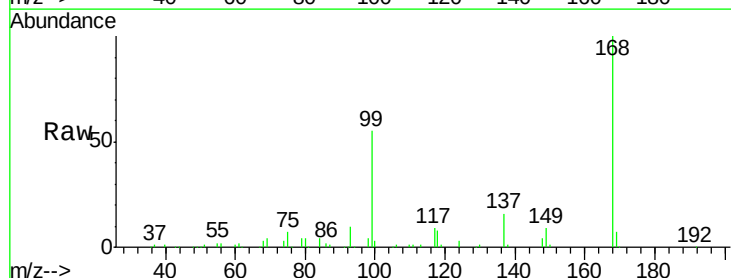
Tgt Ion: 117 Resp: 71428

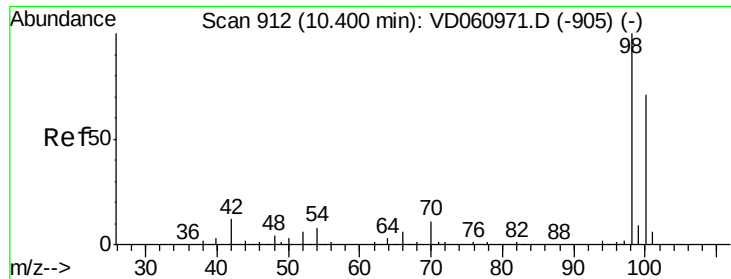
Ion Ratio Lower Upper

117 100

119 6.2 77.8 116.8#

121 0.0 25.3 37.9#

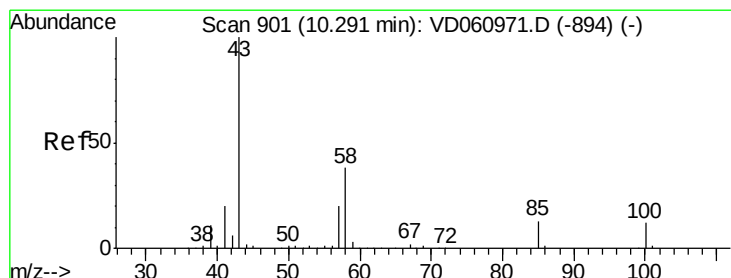
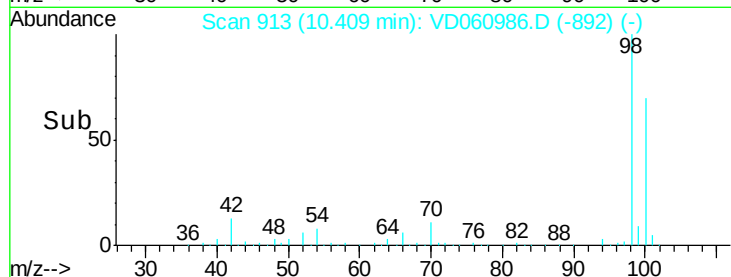
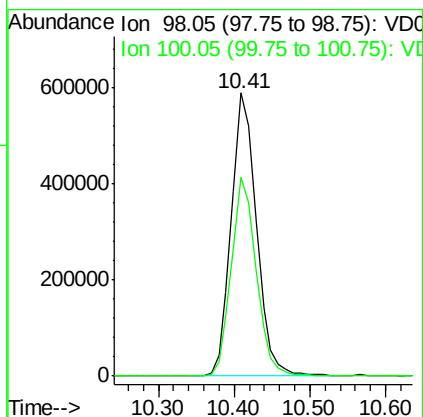
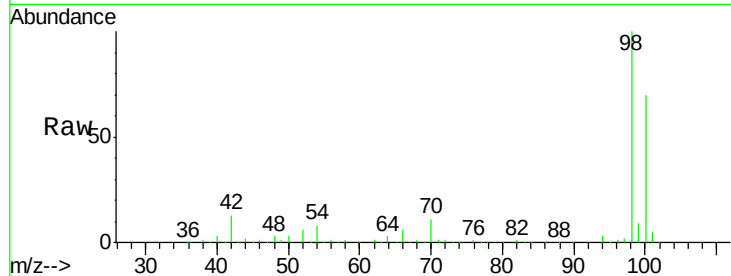




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

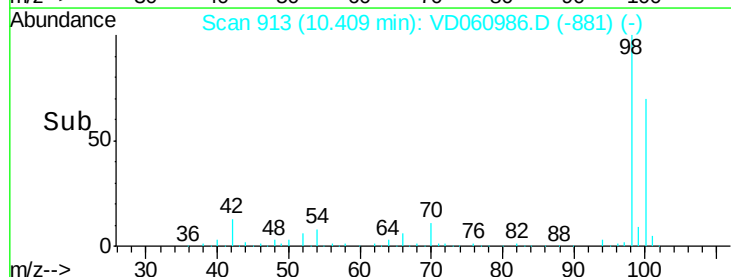
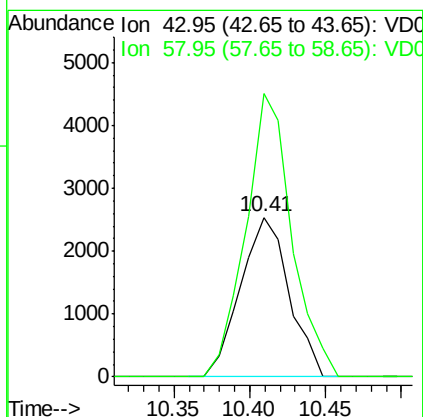
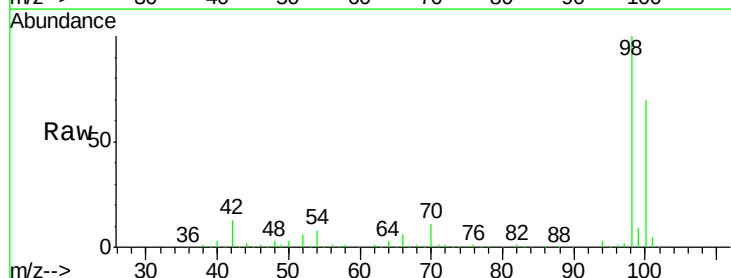
Instrument :
MSVOA_D
ClientSampleId :
SOIL-B

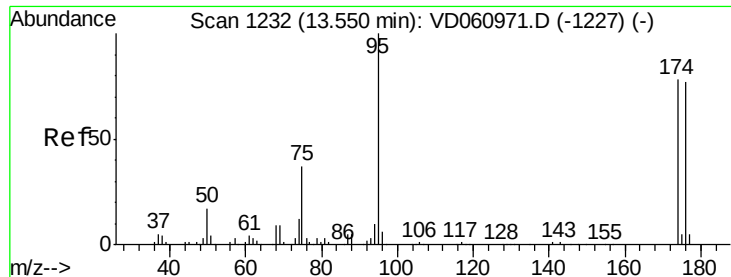
Tot Ion: 98 Resp: 1358777
Ion Ratio Lower Upper
98 100
100 70.1 57.4 86.2



#51
4-Methyl-2-Pentanone
Concen: 1.166 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD060986.D
Acq: 8 Mar 2019 16:21

Tgt Ion: 43 Resp: 5669
Ion Ratio Lower Upper
43 100
58 177.2 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060986.D

Acq: 8 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampled :

SOIL-B

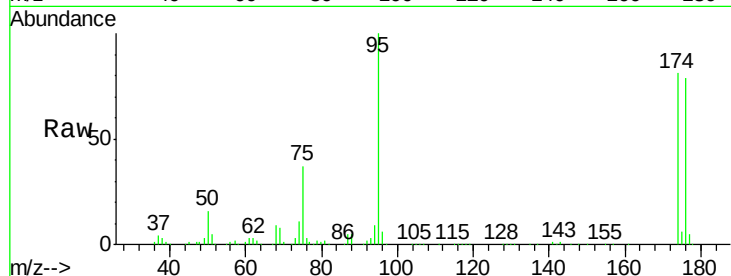
Tot Ion: 95 Resp: 547443

Ion Ratio Lower Upper

95 100

174 80.8 0.0 155.6

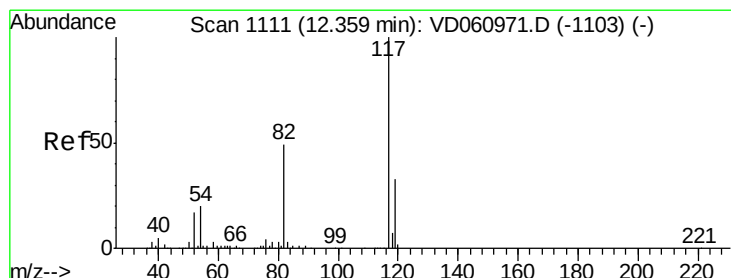
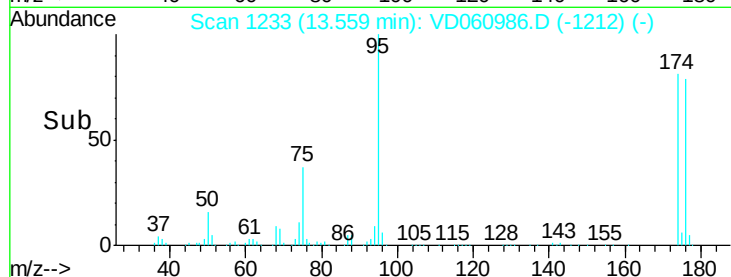
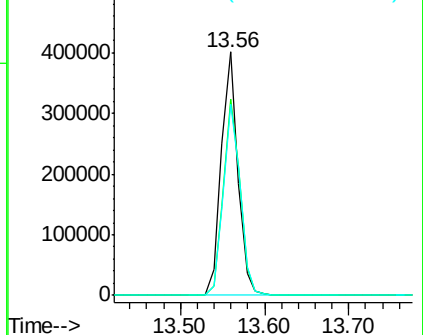
176 78.6 0.0 153.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD060986.D

Acq: 8 Mar 2019 16:21

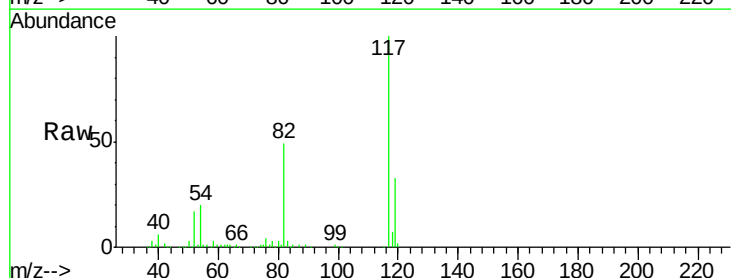
Tgt Ion: 117 Resp: 1204034

Ion Ratio Lower Upper

117 100

82 48.7 38.9 58.3

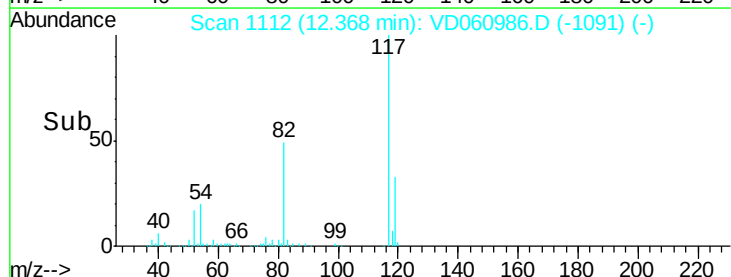
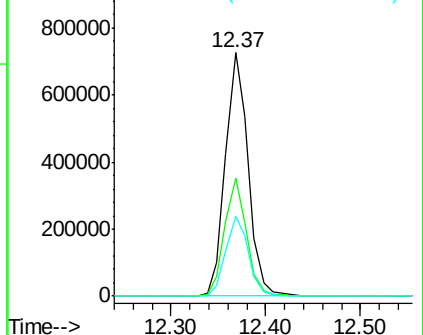
119 32.7 26.6 39.8

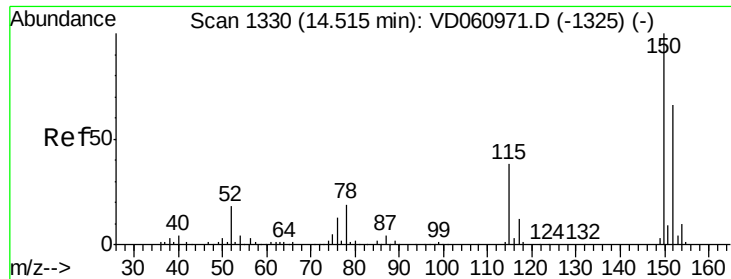


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

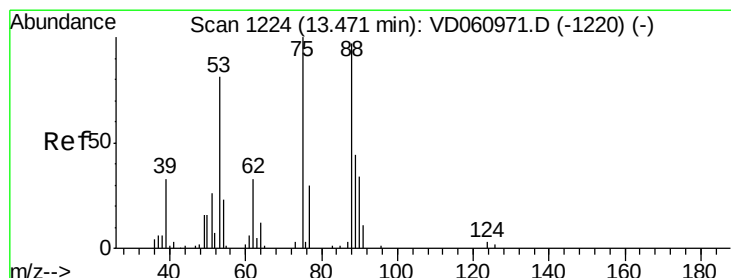
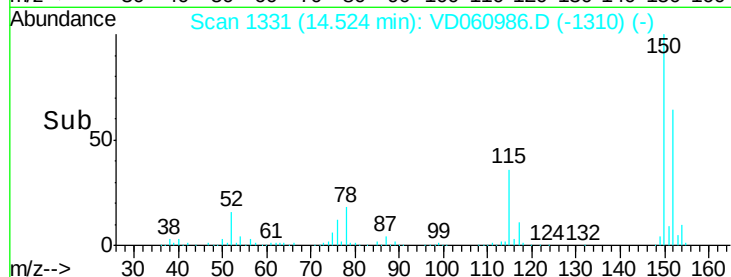
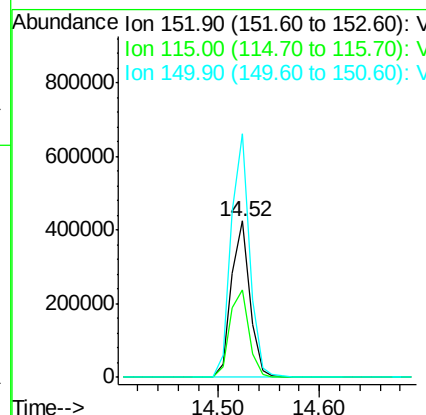
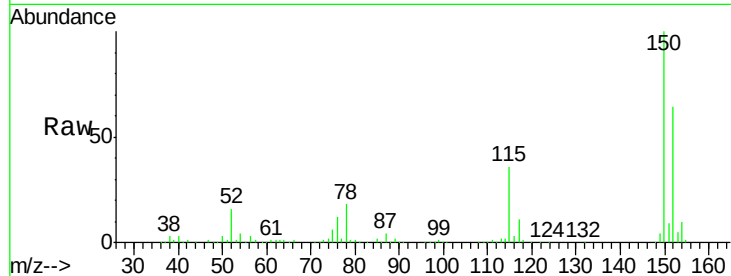




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD060986.D
 Acq: 8 Mar 2019 16:21

Instrument :
 MSVOA_D
 ClientSampled :
 SOIL-B

Tot Ion:152 Resp: 540018
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.6 85.9
 150 156.0 0.0 310.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.287 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD060986.D
 Acq: 8 Mar 2019 16:21

Tgt Ion: 75 Resp: 202222
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

