

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
 Data File : VD060225.D
 Acq On : 26 Oct 2018 19:25
 Operator : JC/SY
 Sample : J5639-05
 Misc : 7.18g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-2

Quant Time: Oct 26 23:44:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1445106	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2084788	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1617149	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	744178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	586258	53.52	ug/l	0.02
Spiked Amount			Recovery	=	107.04%	
35) Dibromofluoromethane	6.31	113	749907	47.37	ug/l	0.02
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	9.45	98	2080052	46.08	ug/l	0.02
Spiked Amount			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.43	95	724437	42.86	ug/l	0.00
Spiked Amount			Recovery	=	85.72%	

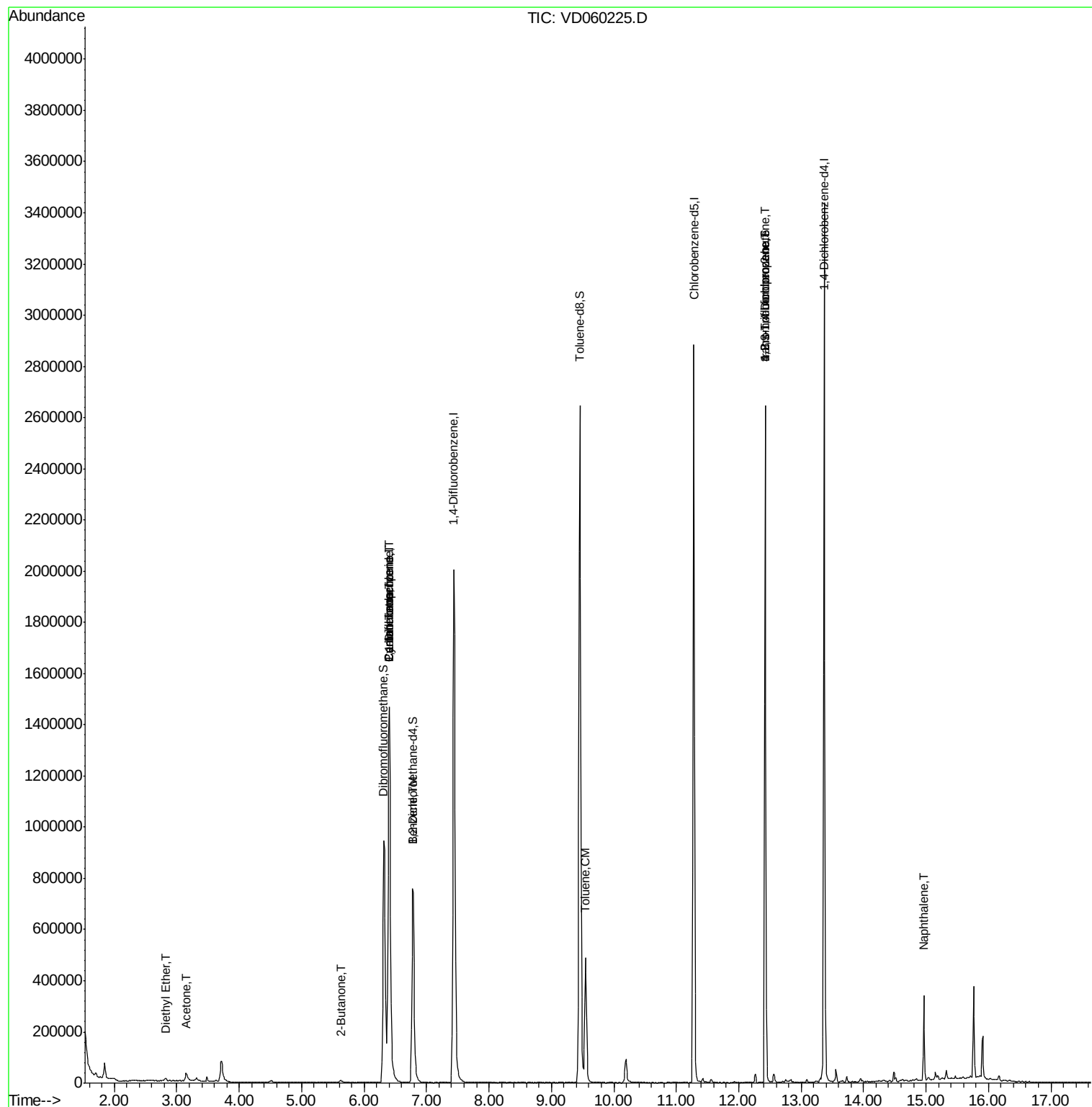
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	2892	1.171	ug/l	62
16) Acetone	3.15	43	67283	33.850	ug/l	91
20) Methylene Chloride	3.72	84	51335	Below Cal		93
25) 2-Butanone	5.62	43	10840	2.183	ug/l	92
31) Cyclohexane	6.39	56	28813	1.214	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	103882	5.214	ug/l #	46
38) Carbon Tetrachloride	6.40	117	114114	6.311	ug/l #	15
40) Benzene	6.79	78	76539	1.469	ug/l	99
52) Toluene	9.54	92	247680	7.379	ug/l	99
76) 1,2,3-Trichloropropane	12.43	75	286627	26.745	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	299893	99.587	ug/l #	13
95) Naphthalene	14.96	128	189314	7.200	ug/l	98

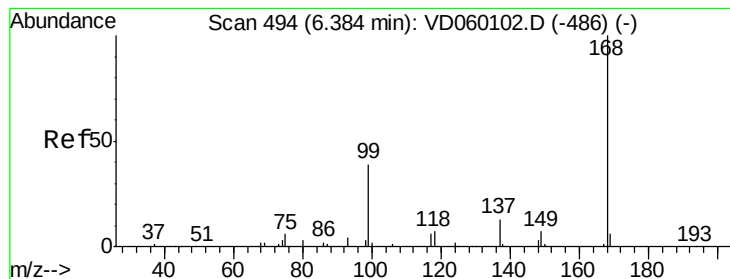
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
Data File : VD060225.D
Acq On : 26 Oct 2018 19:25
Operator : JC/SY
Sample : J5639-05
Misc : 7.18g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-2

Quant Time: Oct 26 23:44:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

Instrument :

MSVOA_D

ClientSampleId :

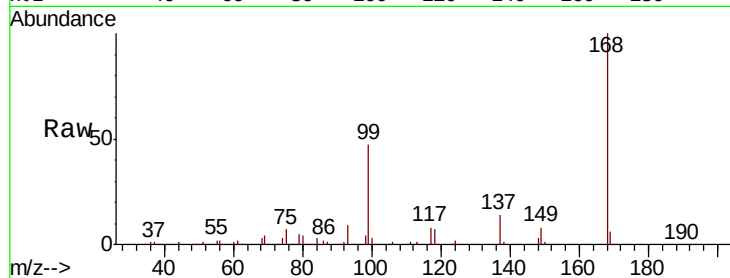
BS-SOIL-2

Tgt Ion:168 Resp: 1445106

Ion Ratio Lower Upper

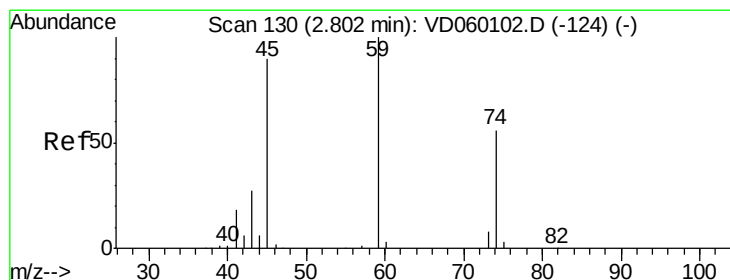
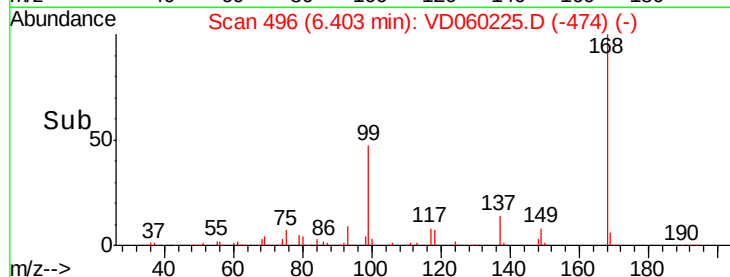
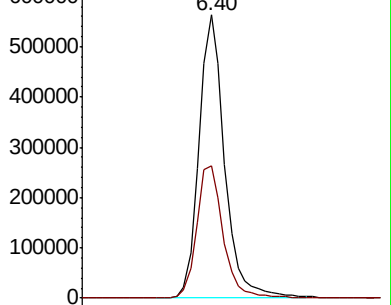
168 100

99 46.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.171 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060225.D

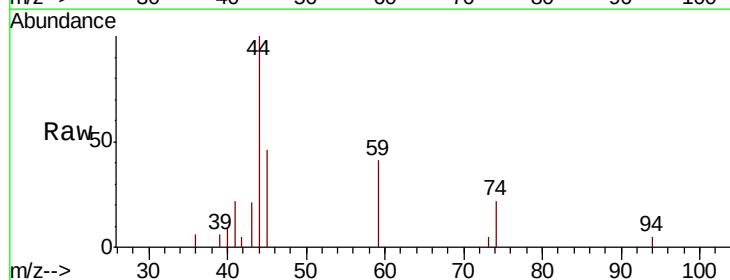
Acq: 26 Oct 2018 19:25

Tgt Ion: 74 Resp: 2892

Ion Ratio Lower Upper

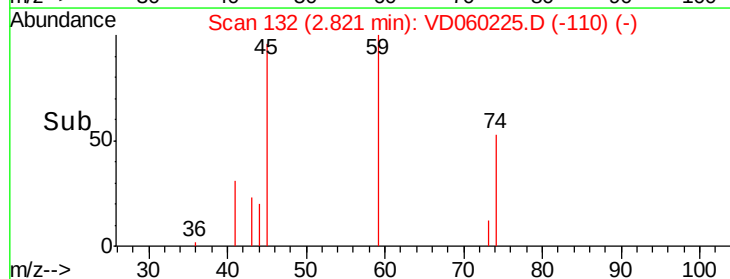
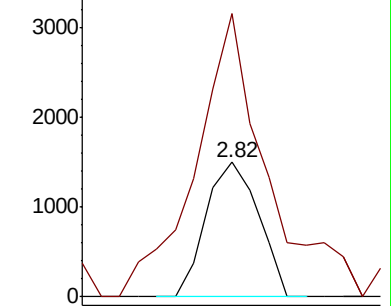
74 100

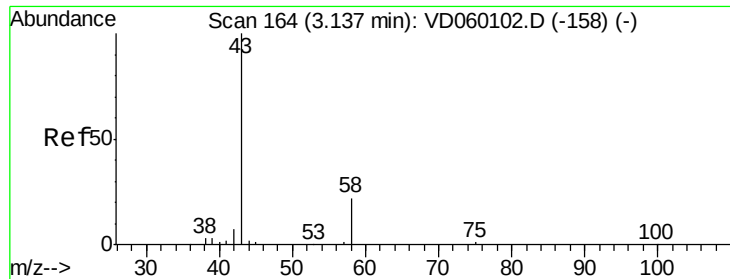
45 210.6 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 33.850 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

Instrument :

MSVOA_D

ClientSampleId :

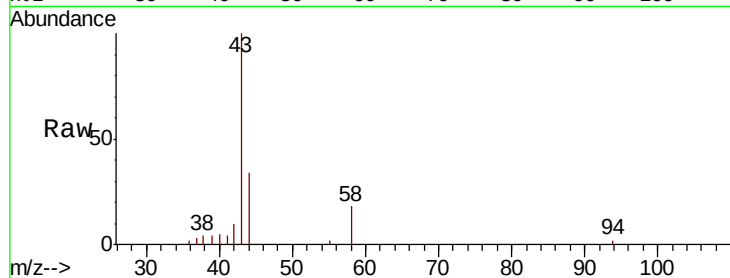
BS-SOIL-2

Tgt Ion: 43 Resp: 67283

Ion Ratio Lower Upper

43 100

58 18.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

25000

20000

15000

10000

5000

0

Time-->

3.00 3.10 3.20 3.30

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

3.15

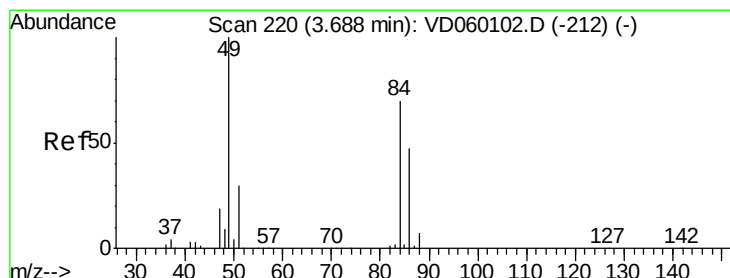
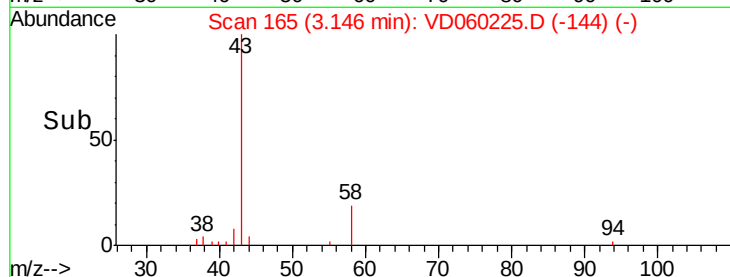
3.15

3.15

3.15

3.15

3.15



#20

Methylene Chloride

Concen: Below Cal

RT: 3.72 min Scan# 223

Delta R.T. 0.03 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

Tgt Ion: 84 Resp: 51335

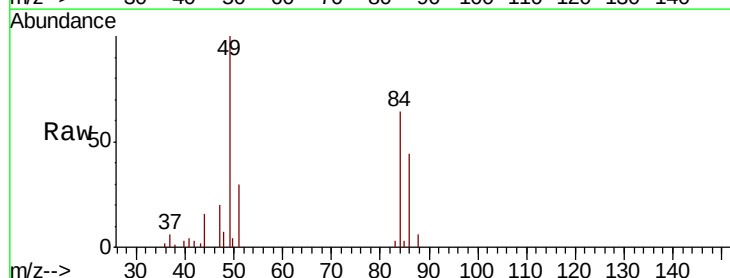
Ion Ratio Lower Upper

84 100

49 155.4 114.6 172.0

51 47.3 33.8 50.8

86 68.5 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

40000

30000

20000

10000

0

Time-->

3.60 3.70 3.80

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

3.72

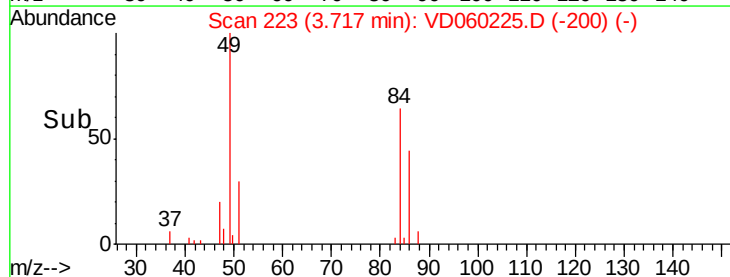
3.72

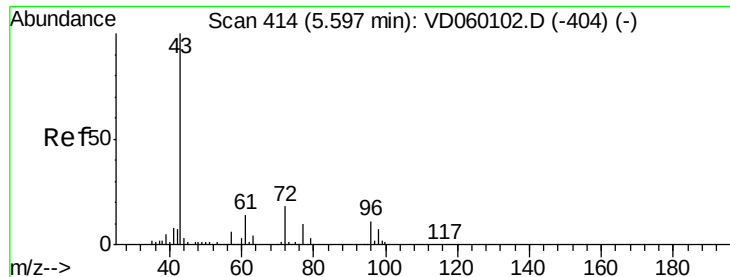
3.72

3.72

3.72

3.72





#25

2-Butanone

Concen: 2.183 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

Instrument :

MSVOA_D

ClientSampleId :

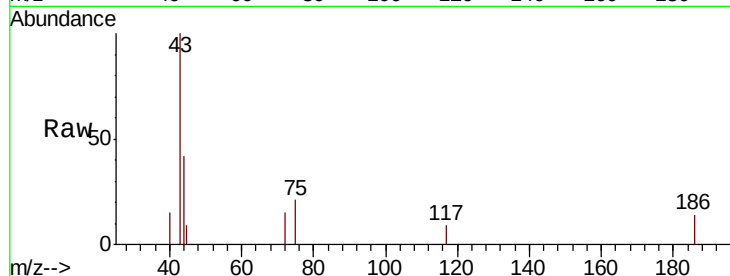
BS-SOIL-2

Tgt Ion: 43 Resp: 10840

Ion Ratio Lower Upper

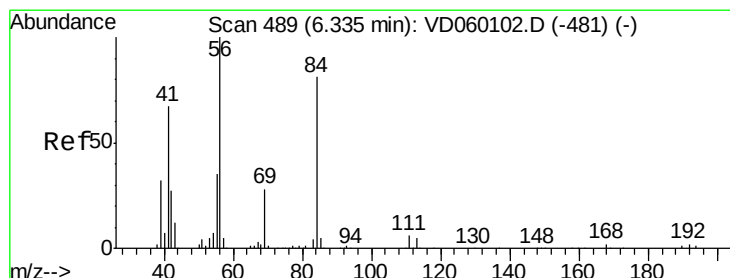
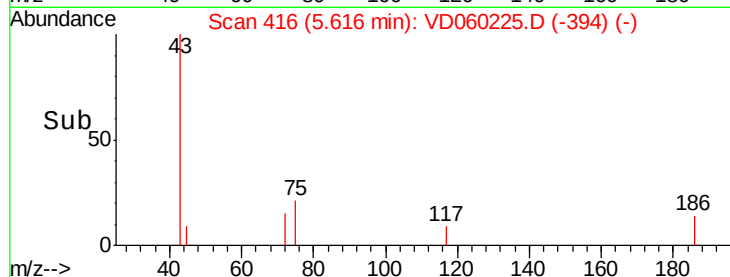
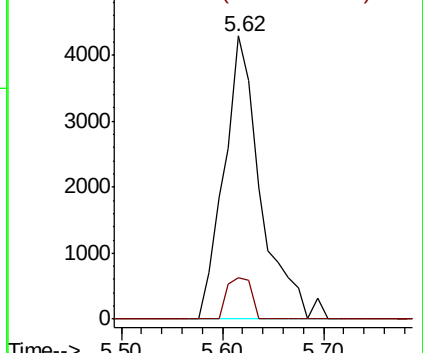
43 100

72 14.7 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.214 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

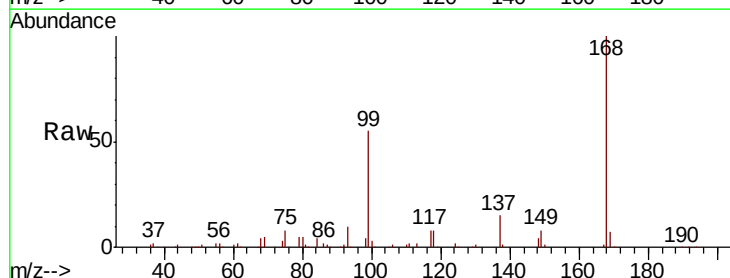
Tgt Ion: 56 Resp: 28813

Ion Ratio Lower Upper

56 100

69 216.6 22.8 34.2#

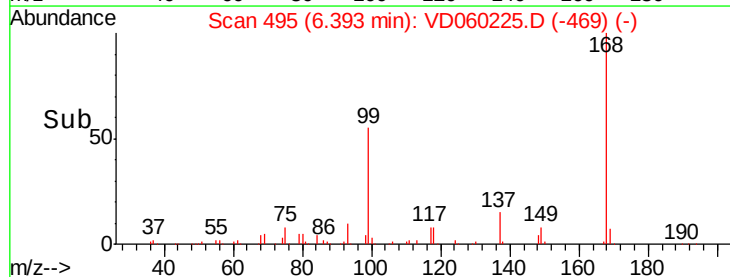
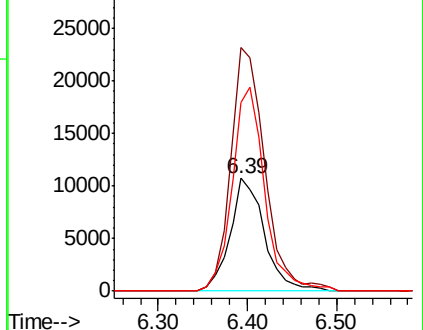
84 167.4 64.9 97.3#

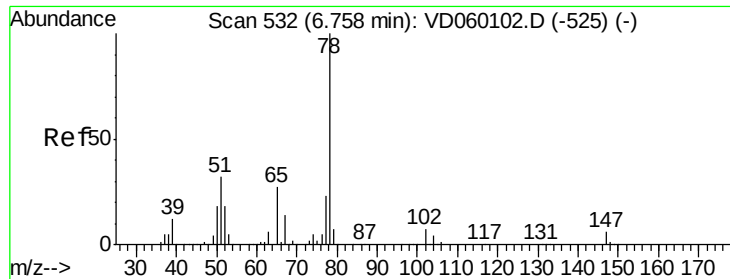


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

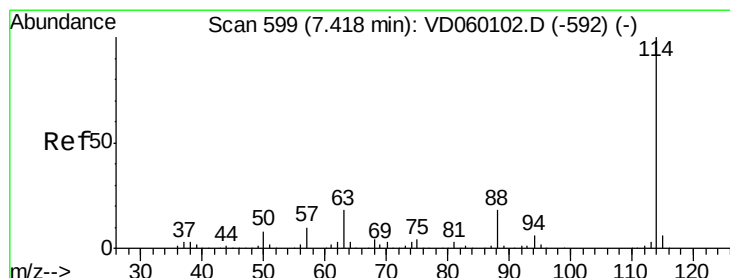
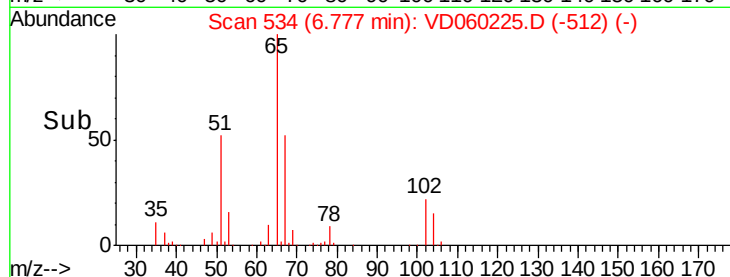
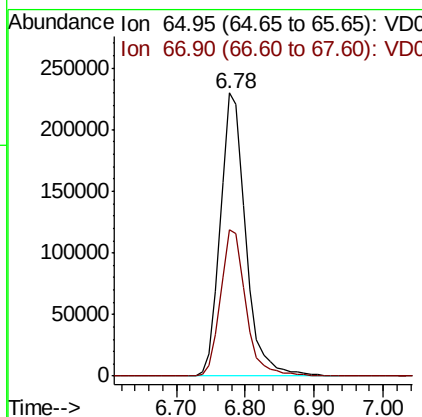
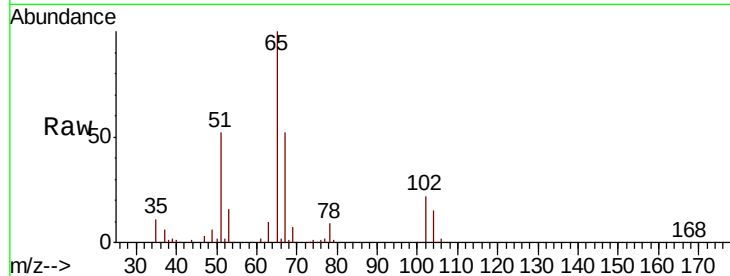




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060225.D
 Acq: 26 Oct 2018 19:25

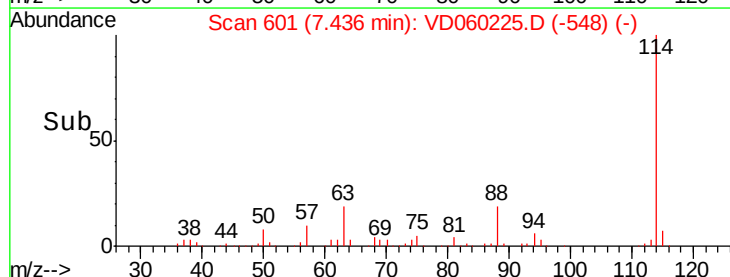
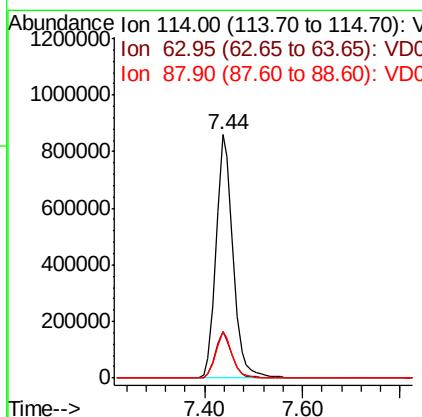
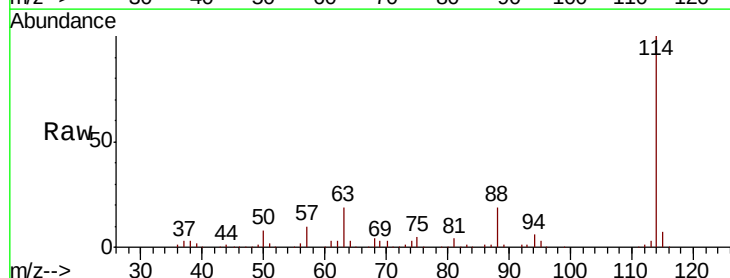
Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-2

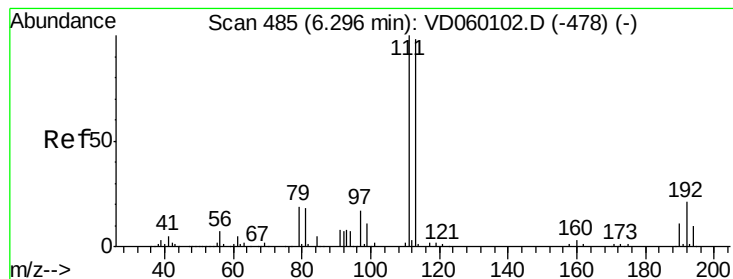
Tgt Ion: 65 Resp: 586258
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060225.D
 Acq: 26 Oct 2018 19:25

Tgt Ion: 114 Resp: 2084788
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.0
 88 18.9 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

Instrument :

MSVOA_D

ClientSampleId :

BS-SOIL-2

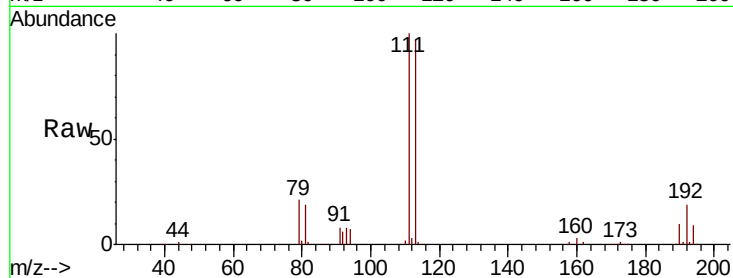
Tgt Ion:113 Resp: 749907

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

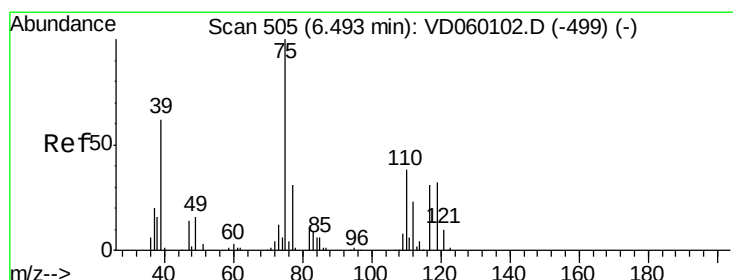
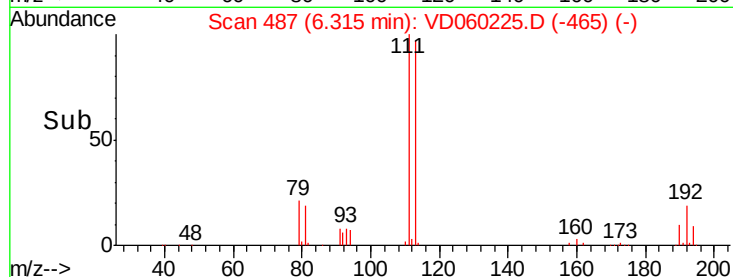
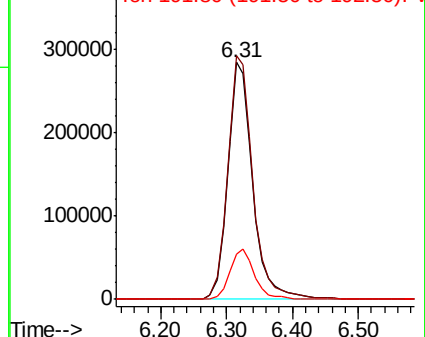
192 19.1 17.4 26.0



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: 5.214 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

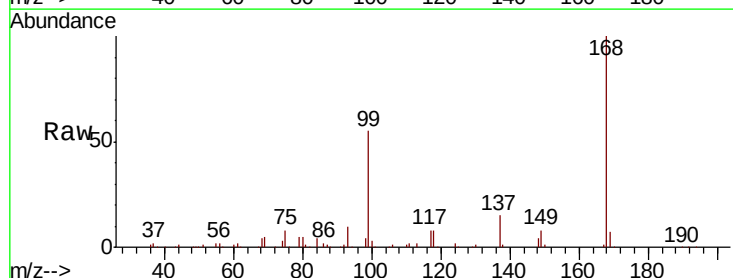
Tgt Ion: 75 Resp: 103882

Ion Ratio Lower Upper

75 100

110 7.1 19.0 57.0#

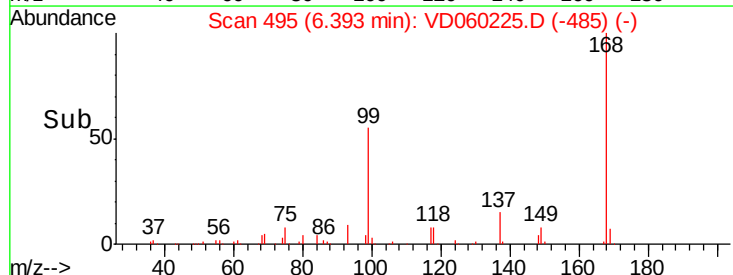
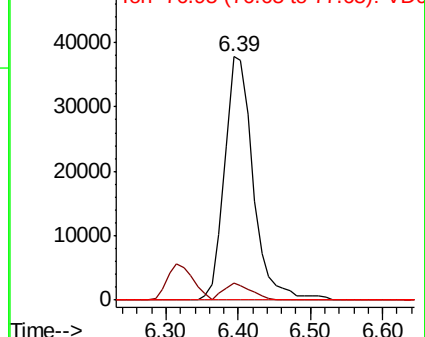
77 0.0 24.9 37.3#

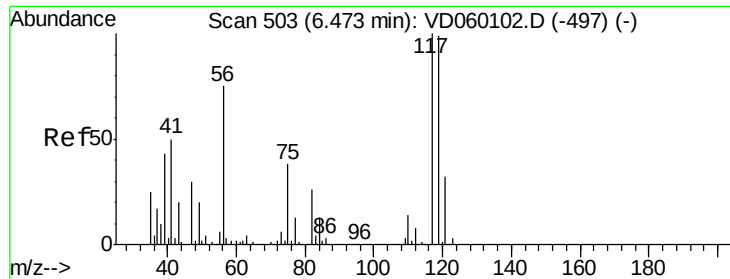


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

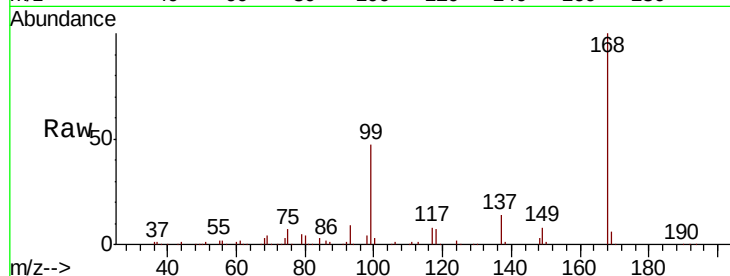




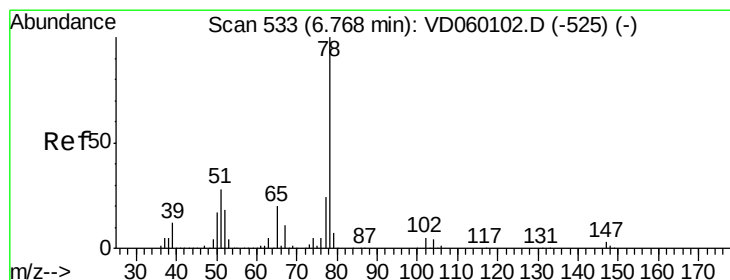
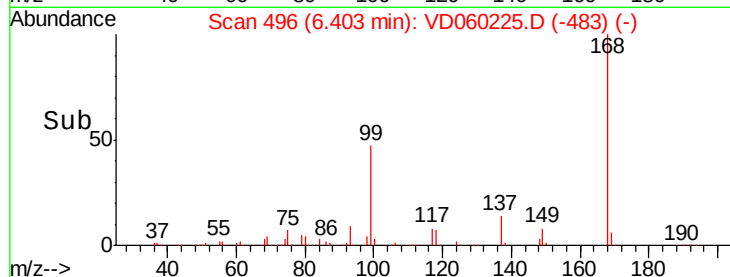
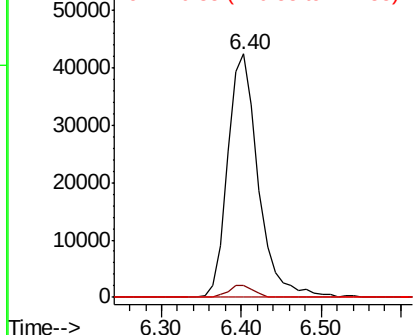
#38
 Carbon Tetrachloride
 Concen: 6.311 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.07 min
 Lab File: VD060225.D
 Acq: 26 Oct 2018 19:25

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-2

Tgt Ion: 117 Resp: 114114
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.8 116.6#
 121 0.0 24.8 37.2#

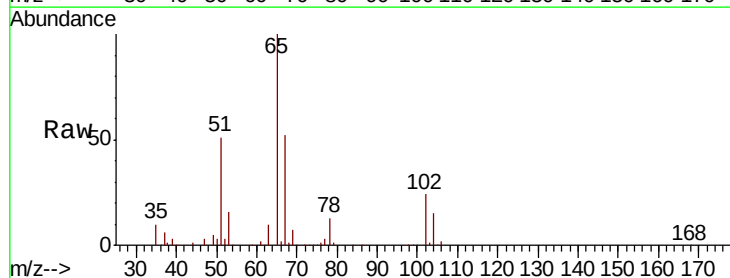


Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

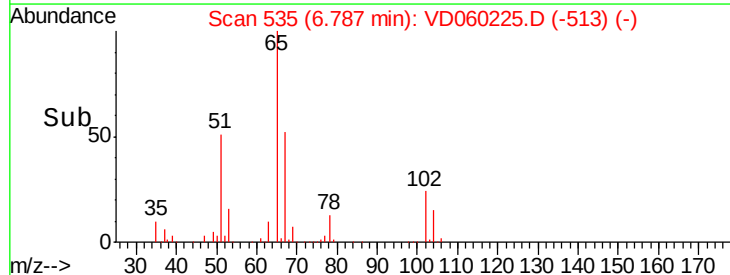
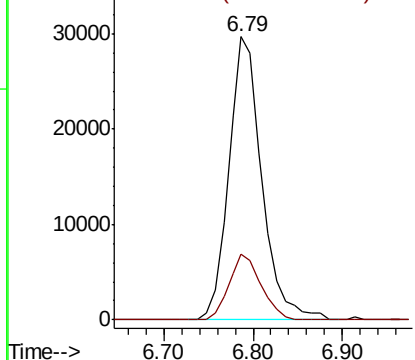


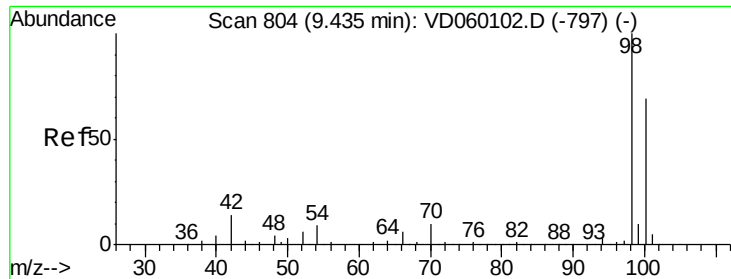
#40
 Benzene
 Concen: 1.469 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.02 min
 Lab File: VD060225.D
 Acq: 26 Oct 2018 19:25

Tgt Ion: 78 Resp: 76539
 Ion Ratio Lower Upper
 78 100
 77 23.2 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
 Ion 76.95 (76.65 to 77.65): VDC

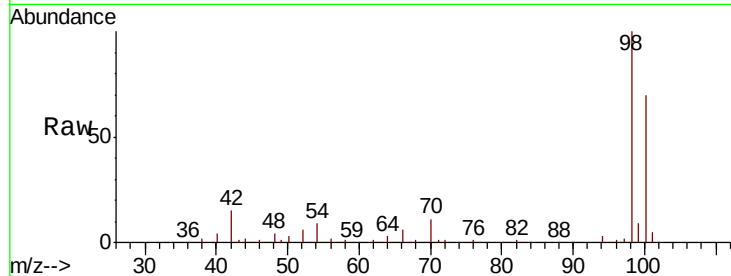




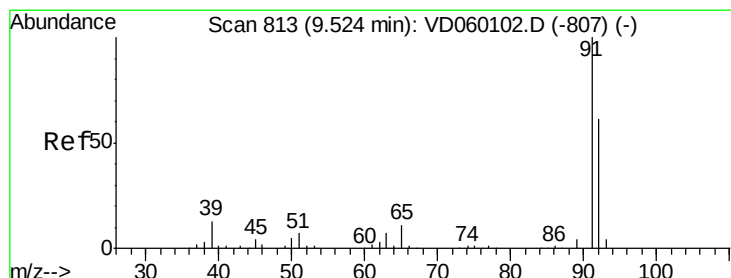
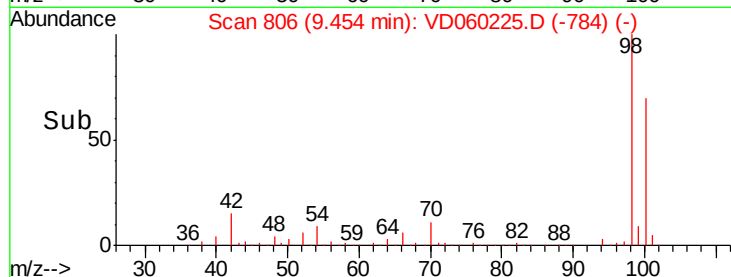
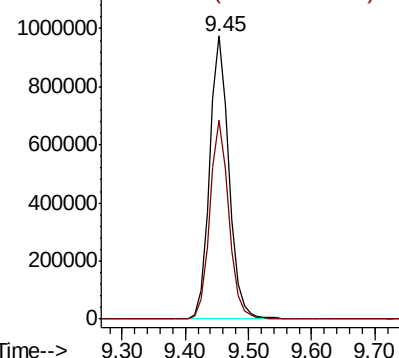
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060225.D
Acq: 26 Oct 2018 19:25

Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-2

Tgt Ion: 98 Resp: 2080052
Ion Ratio Lower Upper
98 100
100 70.4 55.4 83.0

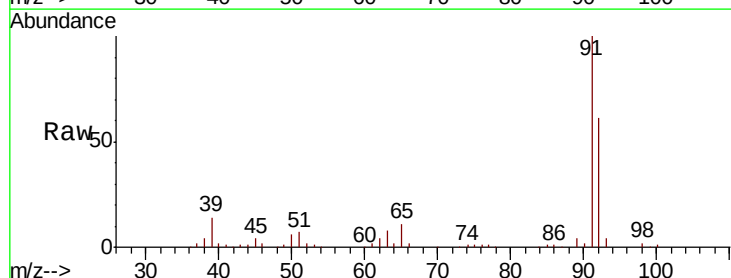


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

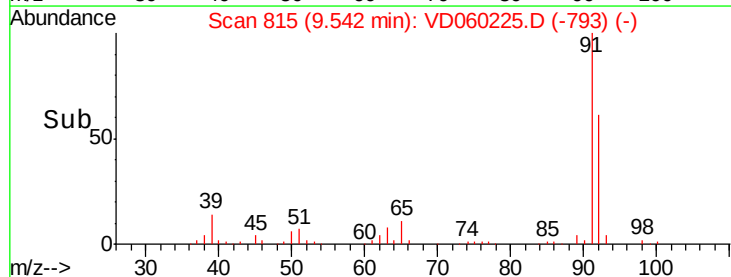
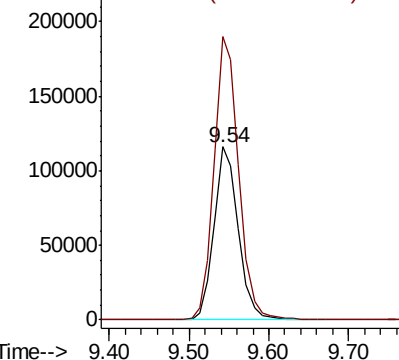


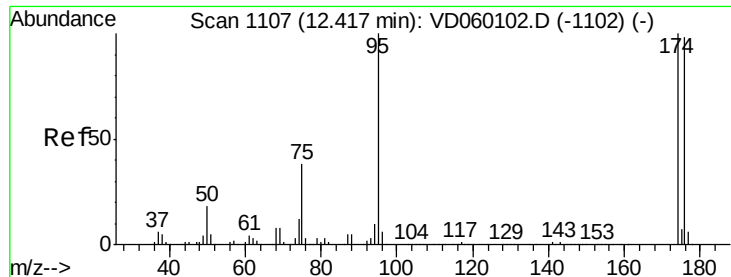
#52
Toluene
Concen: 7.379 ug/l
RT: 9.54 min Scan# 815
Delta R.T. 0.02 min
Lab File: VD060225.D
Acq: 26 Oct 2018 19:25

Tgt Ion: 92 Resp: 247680
Ion Ratio Lower Upper
92 100
91 163.7 131.9 197.9



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: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

Instrument :

MSVOA_D

ClientSampleId :

BS-SOIL-2

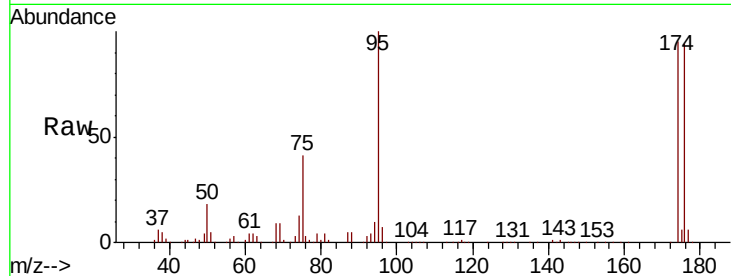
Tgt Ion: 95 Resp: 724437

Ion Ratio Lower Upper

95 100

174 95.3 0.0 200.2

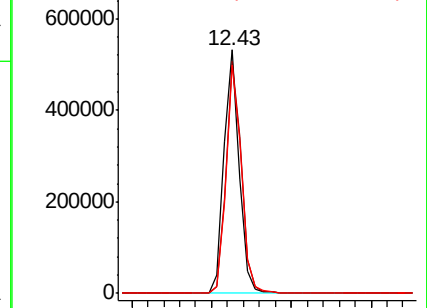
176 93.5 0.0 195.6



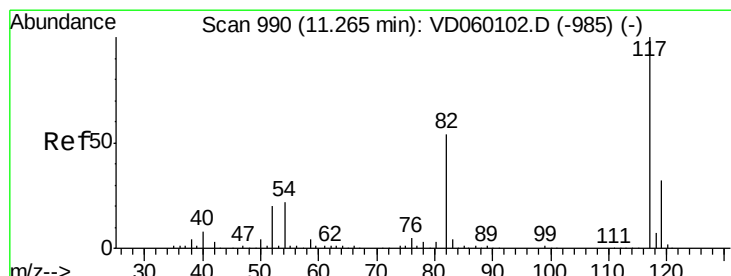
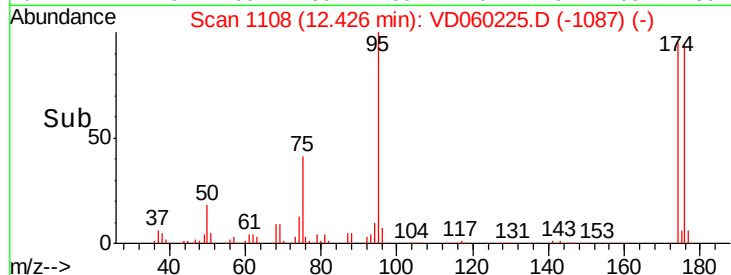
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060225.D

Acq: 26 Oct 2018 19:25

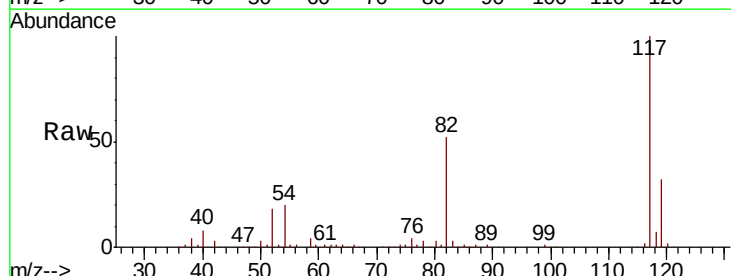
Tgt Ion: 117 Resp: 1617149

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.2

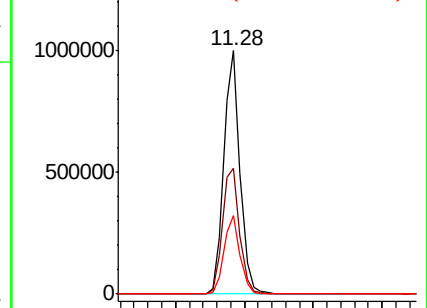
119 32.5 26.0 39.0



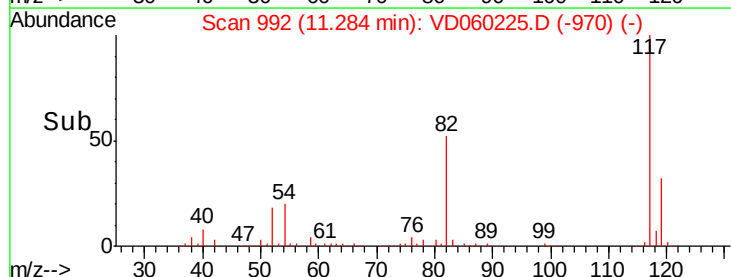
Abundance Ion 116.95 (116.65 to 117.65): V

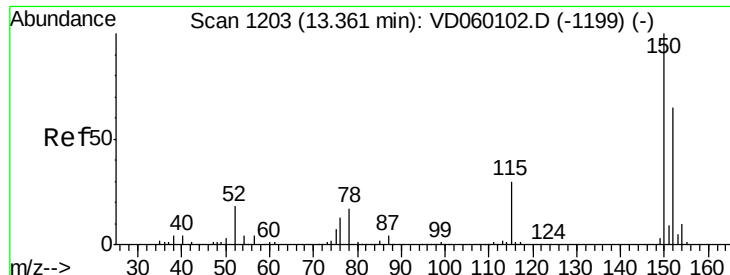
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



Time-->



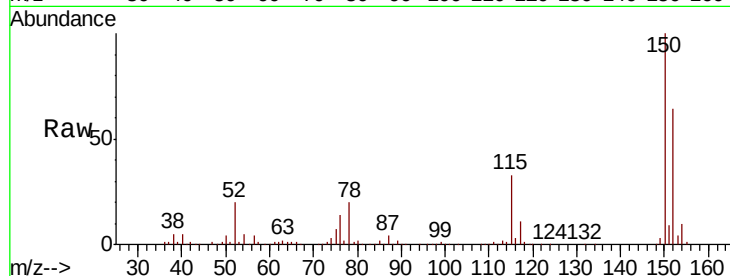


#72

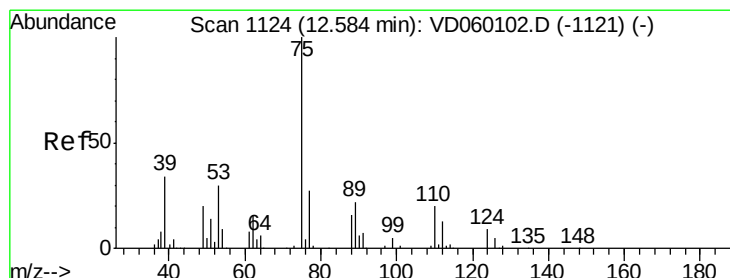
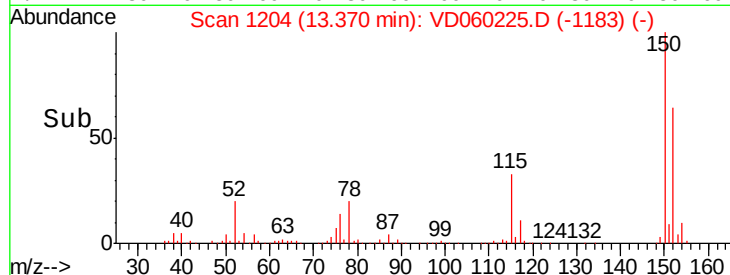
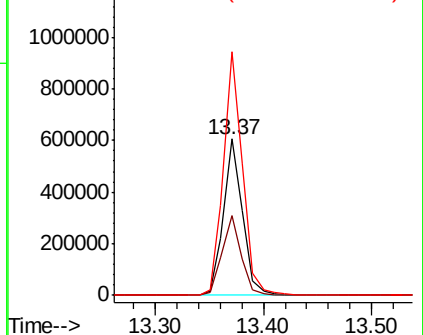
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060225.D
Acq: 26 Oct 2018 19:25

Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-2

Tgt Ion:152 Resp: 744178
Ion Ratio Lower Upper
152 100
115 51.3 27.1 81.2
150 155.7 0.0 311.8



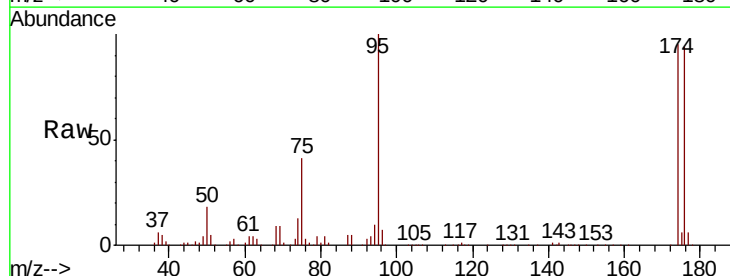
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



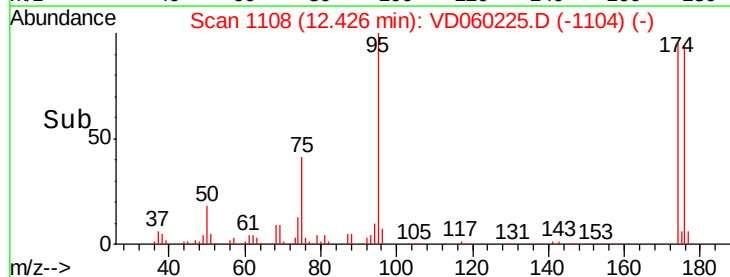
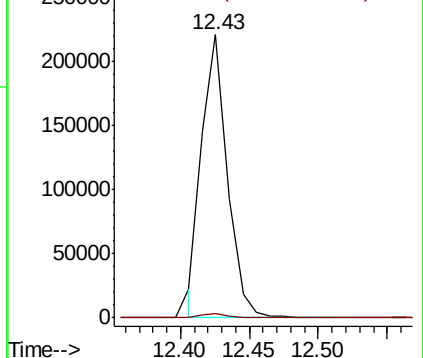
#76

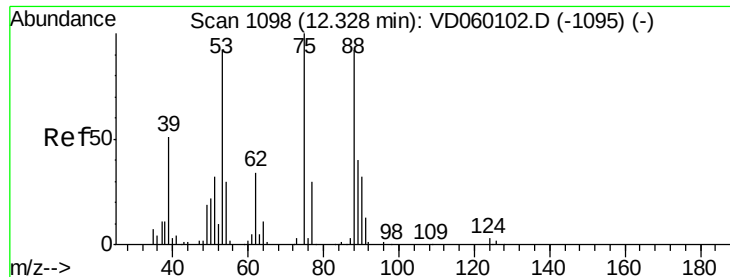
1,2,3-Trichloropropane
Concen: 26.745 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.16 min
Lab File: VD060225.D
Acq: 26 Oct 2018 19:25

Tgt Ion: 75 Resp: 286627
Ion Ratio Lower Upper
75 100
77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

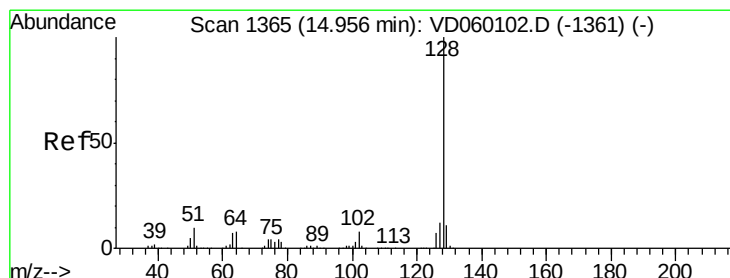
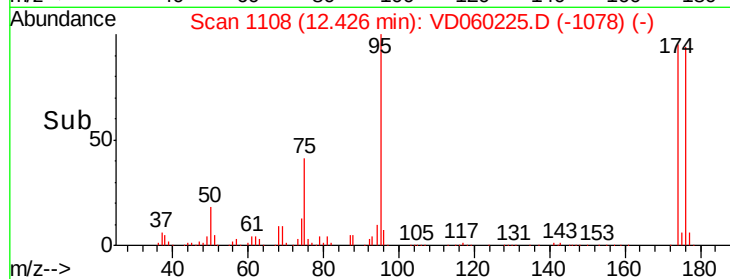
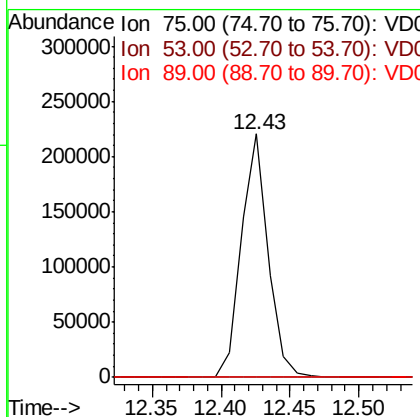
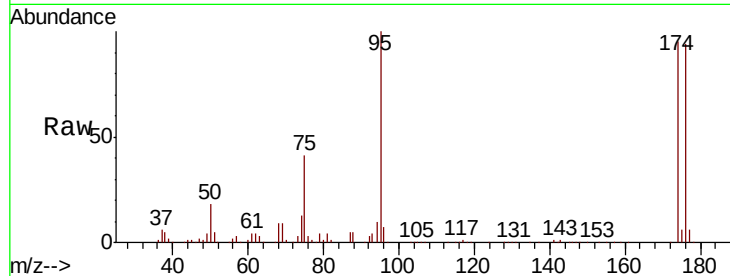




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.587 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.10 min
 Lab File: VD060225.D
 Acq: 26 Oct 2018 19:25

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-2

Tgt Ion: 75 Resp: 299893
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#



#95
 Naphthalene
 Concen: 7.200 ug/l
 RT: 14.96 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060225.D
 Acq: 26 Oct 2018 19:25

Tgt Ion: 128 Resp: 189314
 Ion Ratio Lower Upper
 128 100
 127 11.7 9.9 14.9
 129 11.9 8.8 13.2

