

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
 Data File : VD060224.D
 Acq On : 26 Oct 2018 18:57
 Operator : JC/SY
 Sample : J5639-01
 Misc : 6.28g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-1

Quant Time: Oct 26 23:43:58 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	1453495	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2052389	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1590371	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	758254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	645122	58.55	ug/l	0.03
Spiked Amount			Recovery	=	117.10%	
35) Dibromofluoromethane	6.32	113	817046	52.42	ug/l	0.03
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	9.45	98	2286076	51.44	ug/l	0.02
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.43	95	804523	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

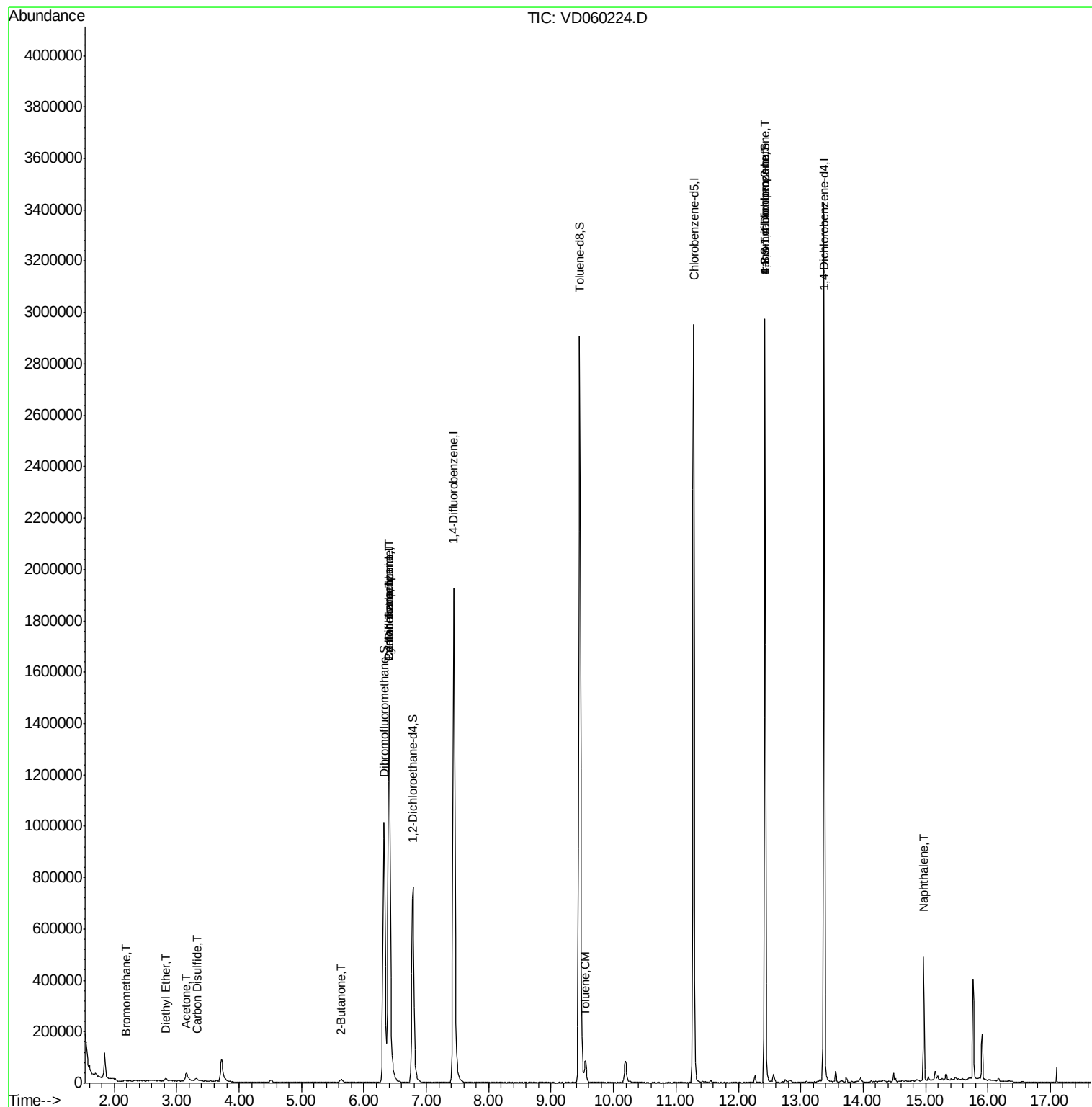
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1512	1.193	ug/l #	1
8) Diethyl Ether	2.83	74	2738	1.102	ug/l	84
16) Acetone	3.16	43	65615	32.821	ug/l	99
17) Carbon Disulfide	3.31	76	21428	1.075	ug/l	97
20) Methylene Chloride	3.72	84	53029	Below Cal		95
25) 2-Butanone	5.63	43	9153	1.833	ug/l #	88
31) Cyclohexane	6.40	56	28136	1.179	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	106656	5.438	ug/l #	47
38) Carbon Tetrachloride	6.40	117	114891	6.454	ug/l #	15
52) Toluene	9.55	92	39102	1.183	ug/l	95
76) 1,2,3-Trichloropropane	12.43	75	323141	29.592	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	335968	109.496	ug/l #	13
95) Naphthalene	14.96	128	275718	10.291	ug/l	99

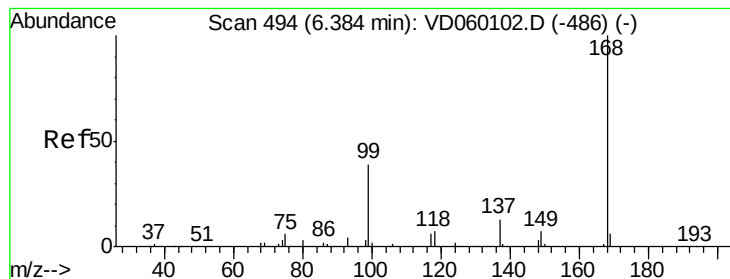
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

Instrument :

MSVOA_D

ClientSampleId :

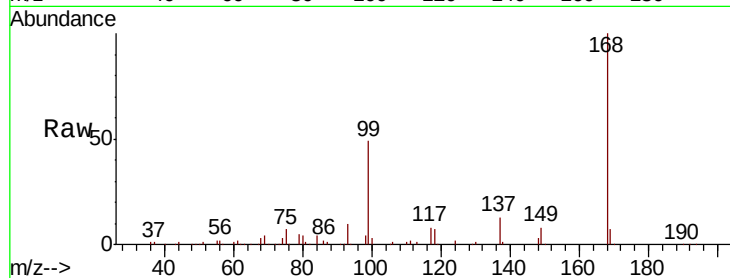
BS-SOIL-1

Tgt Ion:168 Resp: 1453495

Ion Ratio Lower Upper

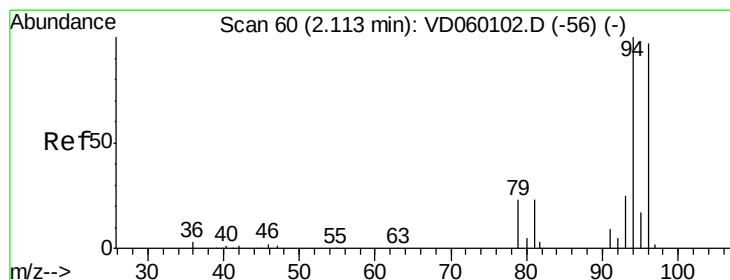
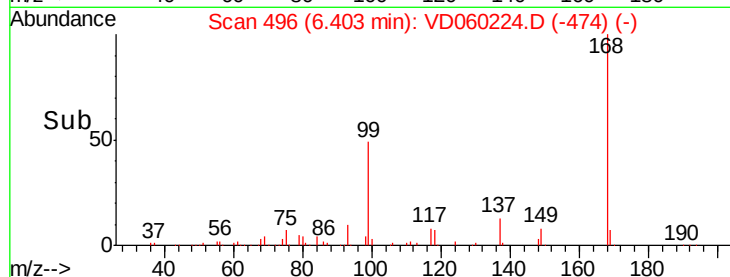
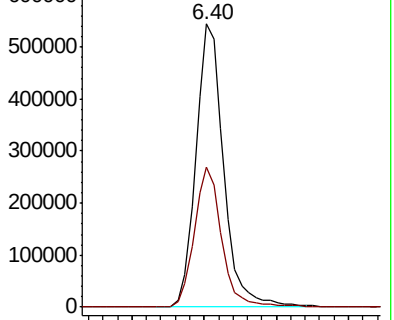
168 100

99 49.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.193 ug/l

RT: 2.19 min Scan# 68

Delta R.T. 0.08 min

Lab File: VD060224.D

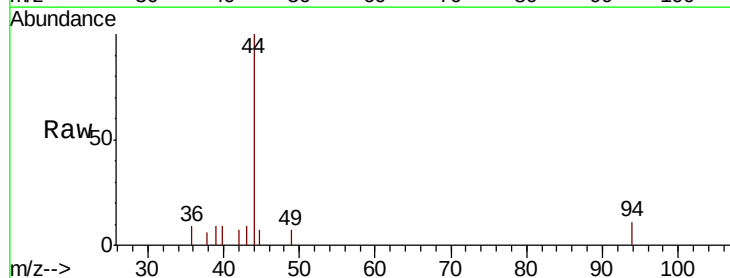
Acq: 26 Oct 2018 18:57

Tgt Ion: 94 Resp: 1512

Ion Ratio Lower Upper

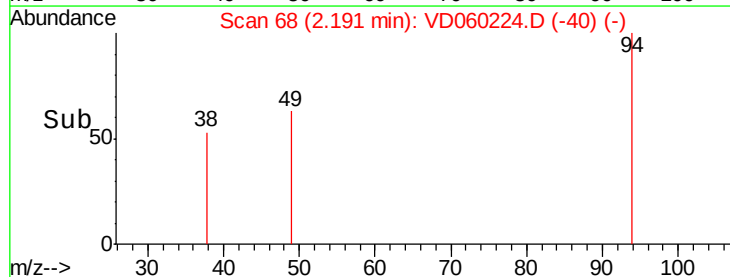
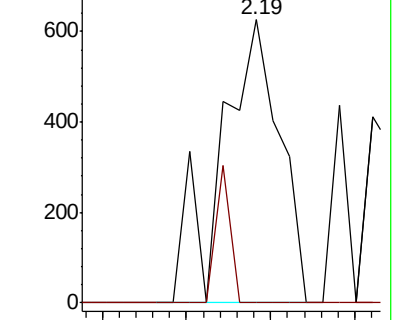
94 100

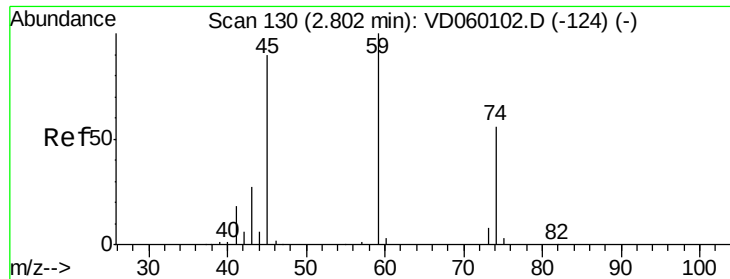
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 1.102 ug/l

RT: 2.83 min Scan# 133

Delta R.T. 0.03 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

Instrument :

MSVOA_D

ClientSampleId :

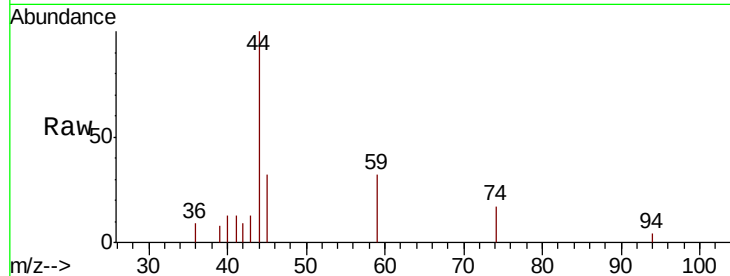
BS-SOIL-1

Tgt Ion: 74 Resp: 2738

Ion Ratio Lower Upper

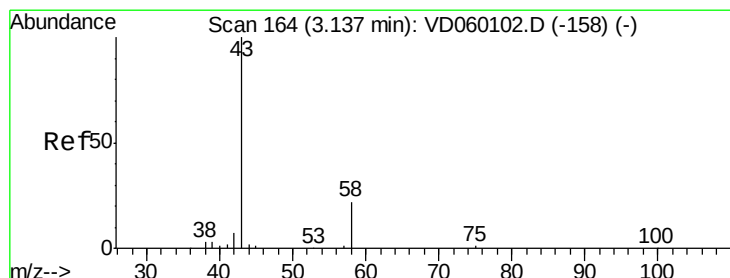
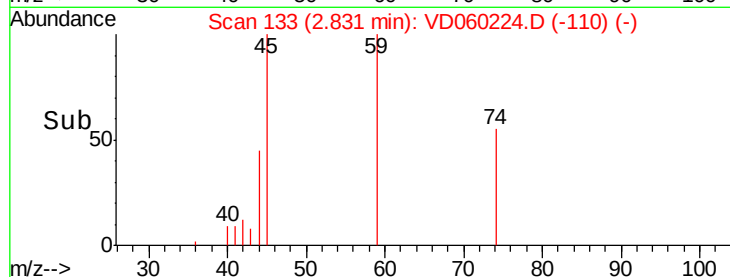
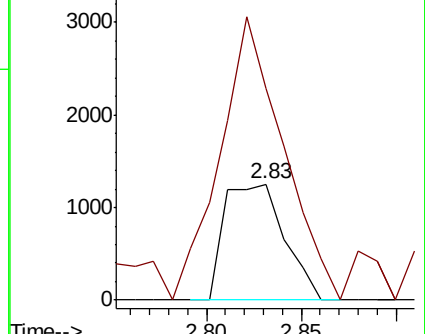
74 100

45 182.4 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: 32.821 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060224.D

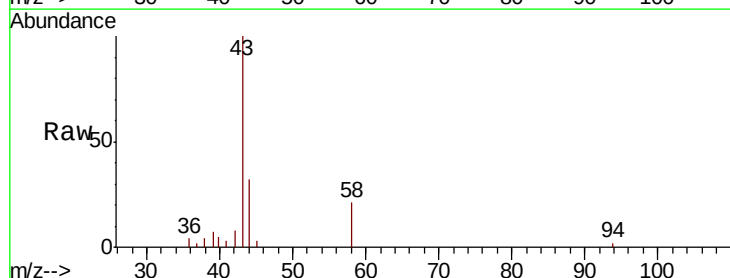
Acq: 26 Oct 2018 18:57

Tgt Ion: 43 Resp: 65615

Ion Ratio Lower Upper

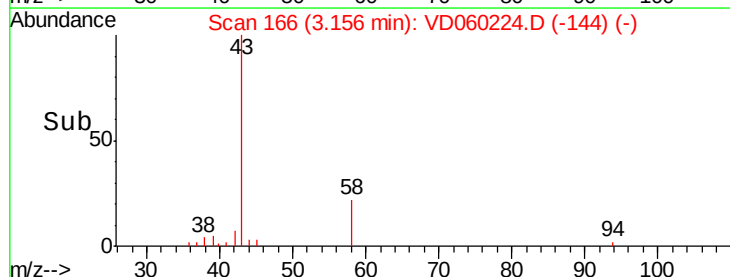
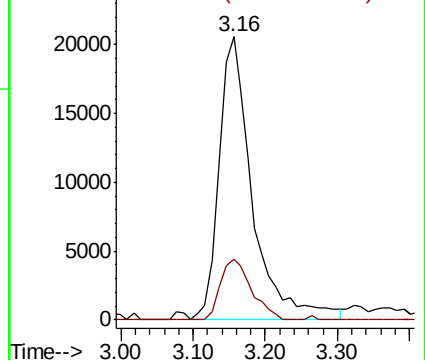
43 100

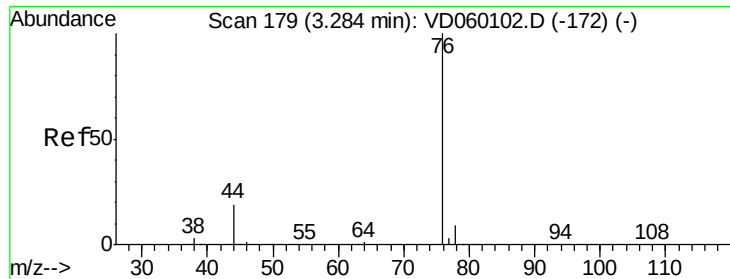
58 21.4 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

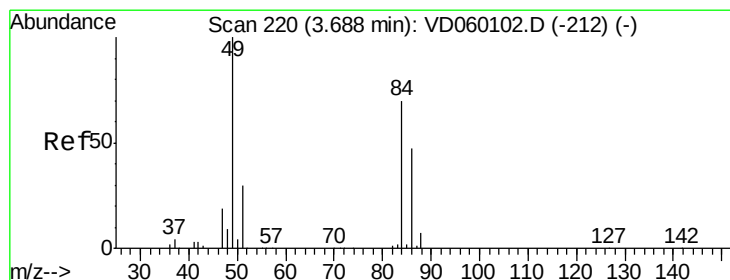
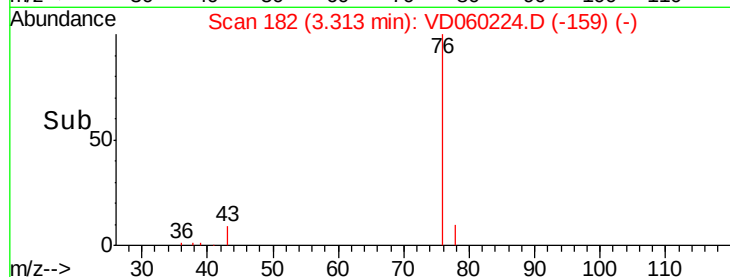
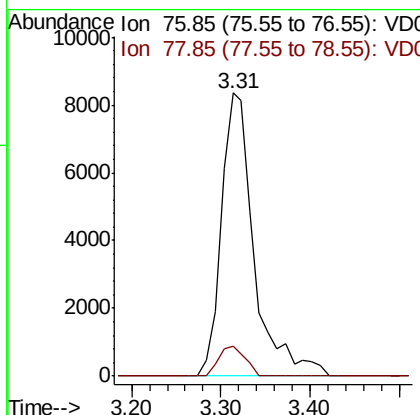
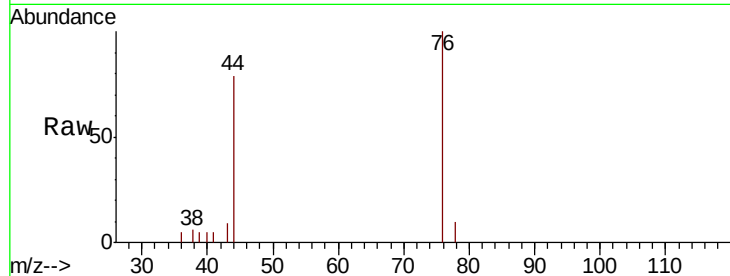




#17
Carbon Disulfide
Concen: 1.075 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060224.D
Acq: 26 Oct 2018 18:57

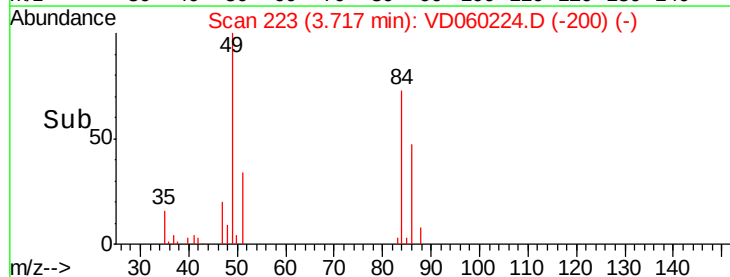
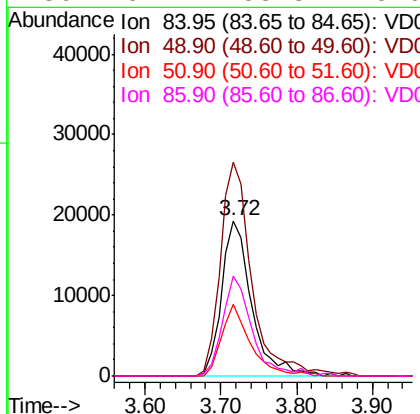
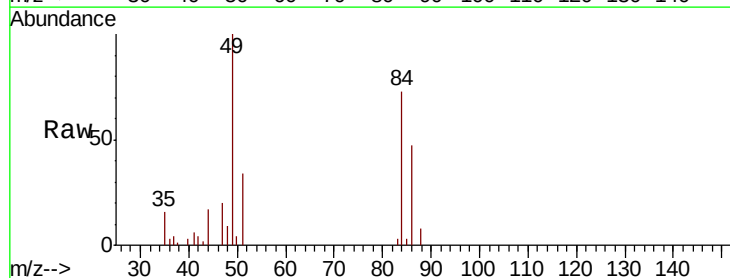
Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-1

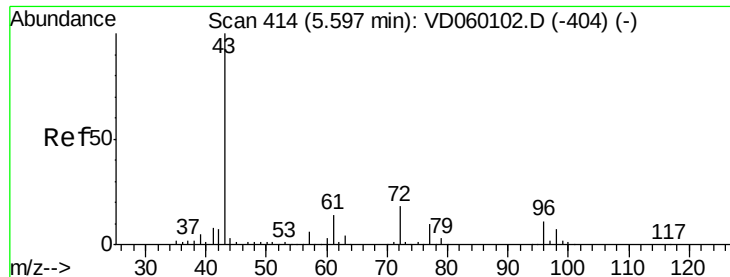
Tgt Ion: 76 Resp: 21428
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.2



#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060224.D
Acq: 26 Oct 2018 18:57

Tgt Ion: 84 Resp: 53029
Ion Ratio Lower Upper
84 100
49 137.3 114.6 172.0
51 46.2 33.8 50.8
86 64.4 53.3 79.9





#25

2-Butanone

Concen: 1.833 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

Instrument :

MSVOA_D

ClientSampleId :

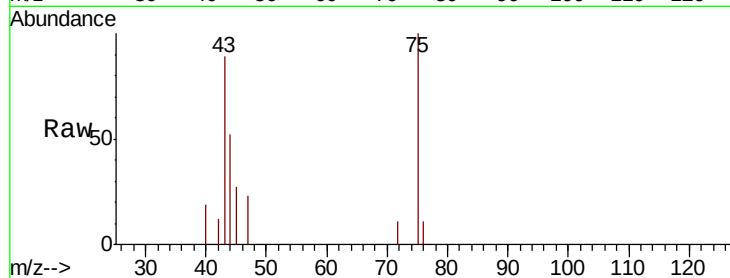
BS-SOIL-1

Tgt Ion: 43 Resp: 9153

Ion Ratio Lower Upper

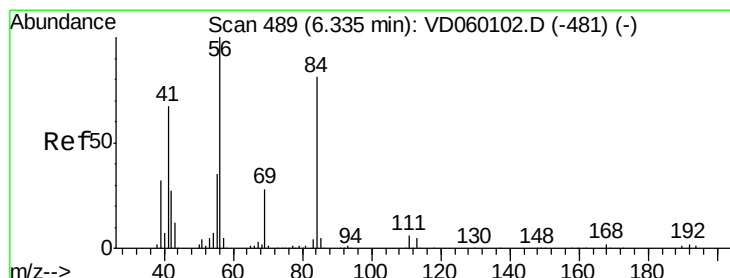
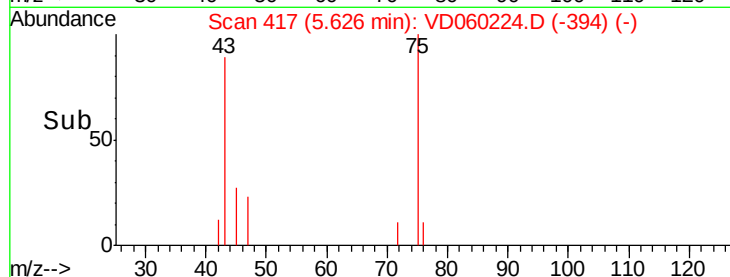
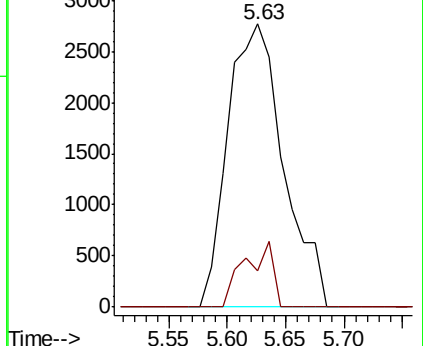
43 100

72 12.8 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: 1.179 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.07 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

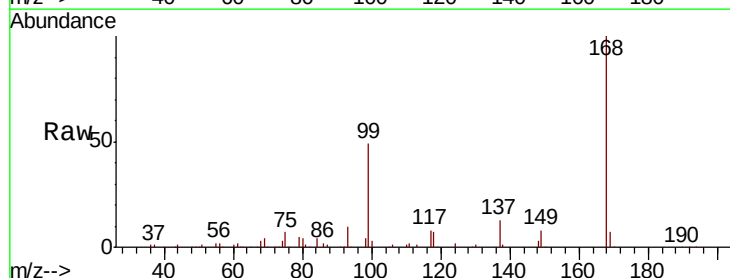
Tgt Ion: 56 Resp: 28136

Ion Ratio Lower Upper

56 100

69 202.8 22.8 34.2#

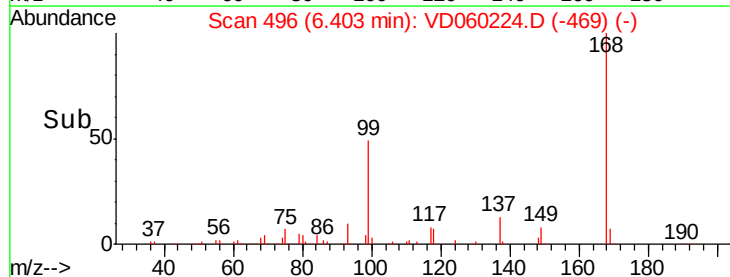
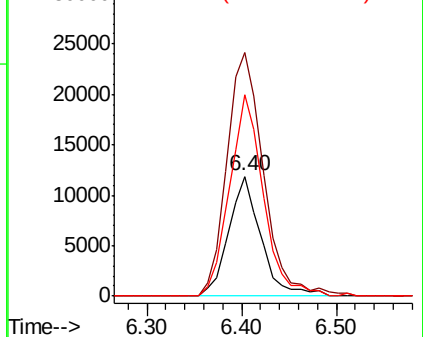
84 168.3 64.9 97.3#

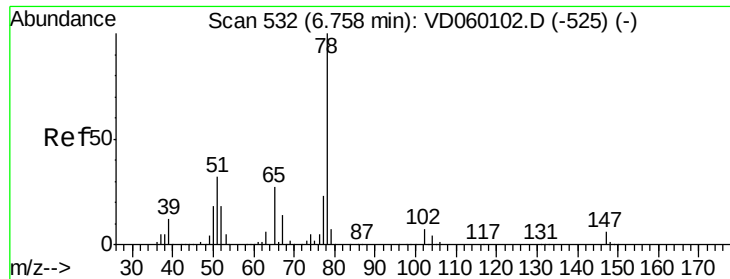


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

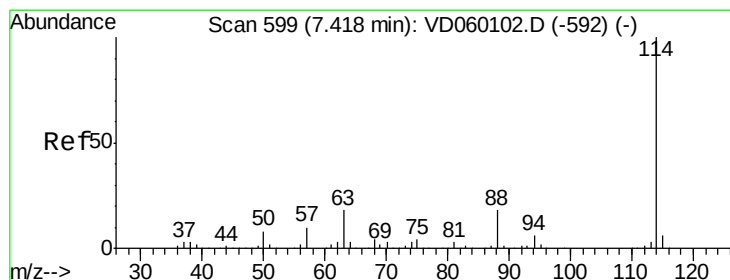
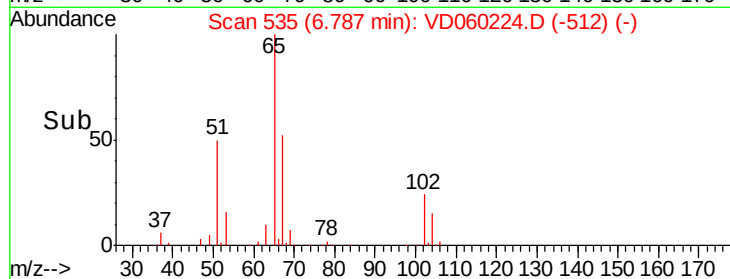
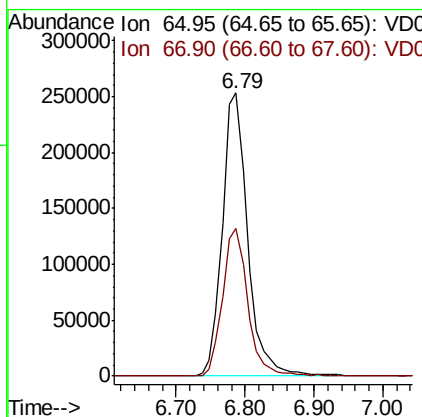
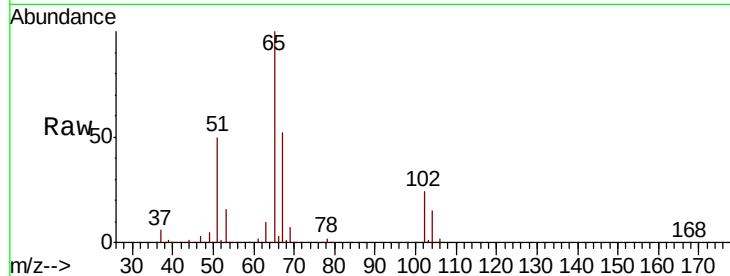




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060224.D
 Acq: 26 Oct 2018 18:57

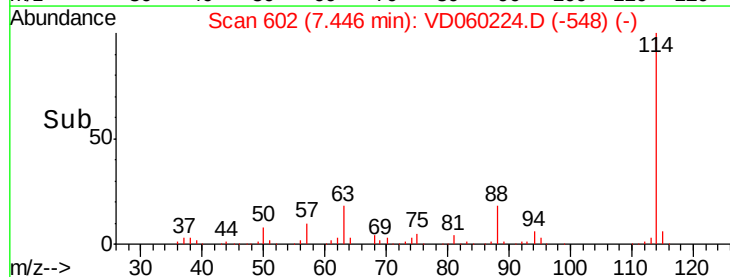
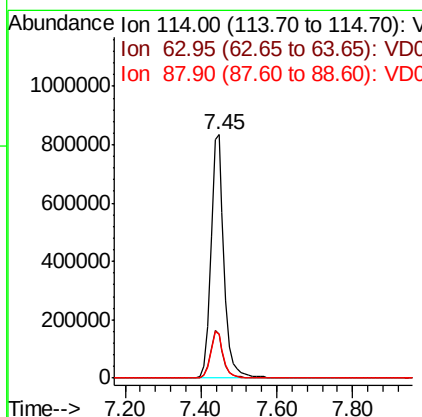
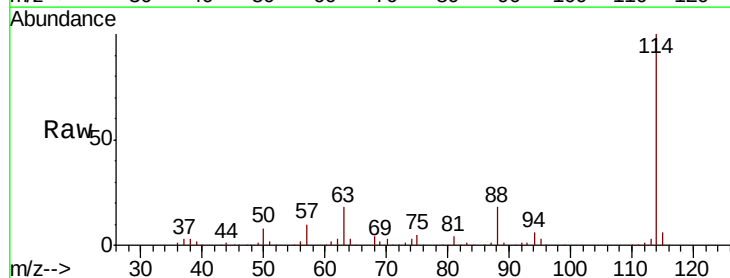
Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-1

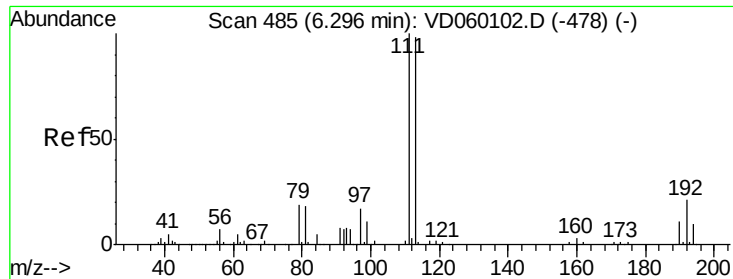
Tgt Ion: 65 Resp: 645122
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060224.D
 Acq: 26 Oct 2018 18:57

Tgt Ion: 114 Resp: 2052389
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 18.0 0.0 36.2

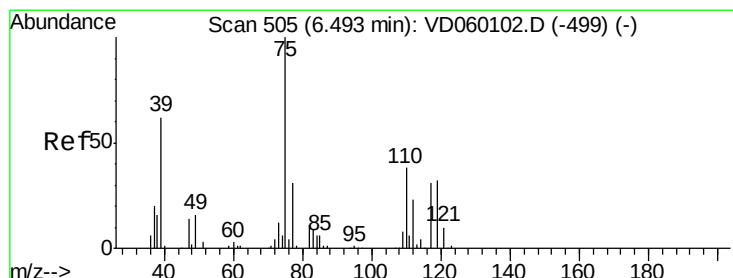
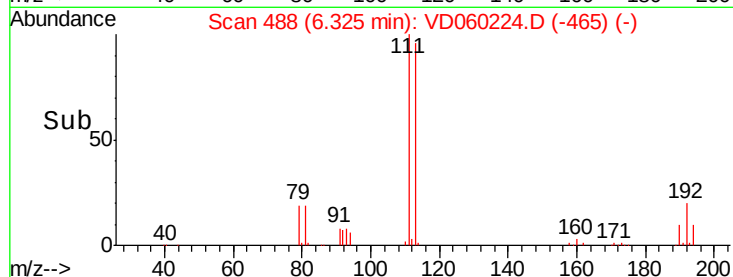
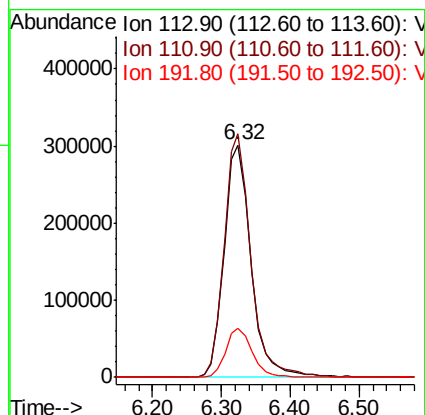
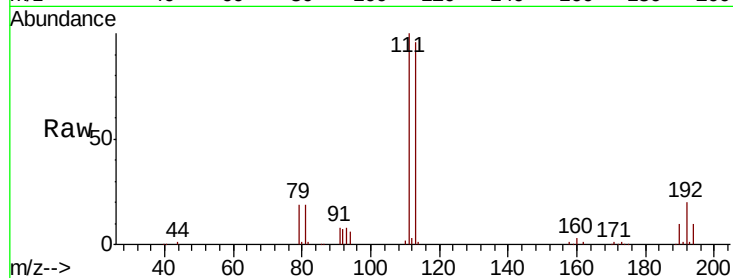




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060224.D
 Acq: 26 Oct 2018 18:57

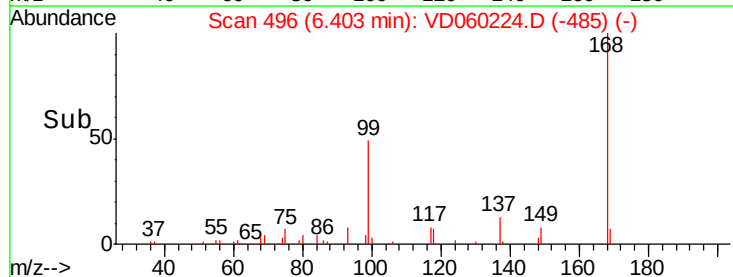
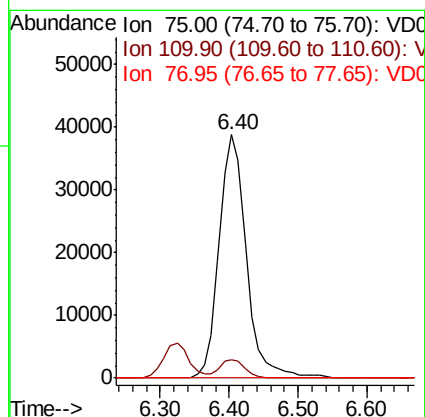
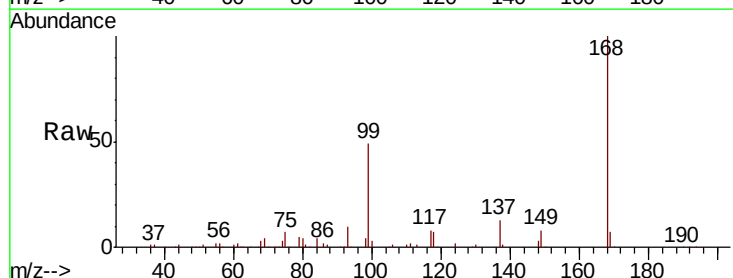
Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-1

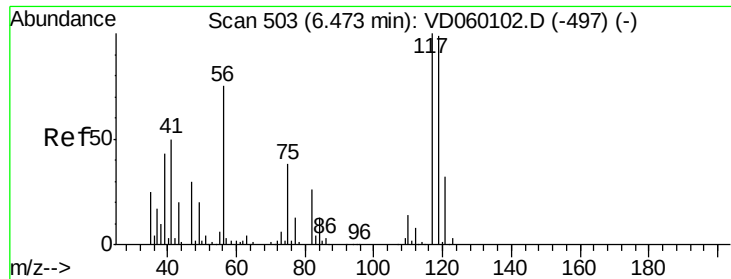
Tgt Ion: 113 Resp: 817046
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.5 122.3
 192 21.0 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.438 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060224.D
 Acq: 26 Oct 2018 18:57

Tgt Ion: 75 Resp: 106656
 Ion Ratio Lower Upper
 75 100
 110 7.3 19.0 57.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.454 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

Instrument :

MSVOA_D

ClientSampleId :

BS-SOIL-1

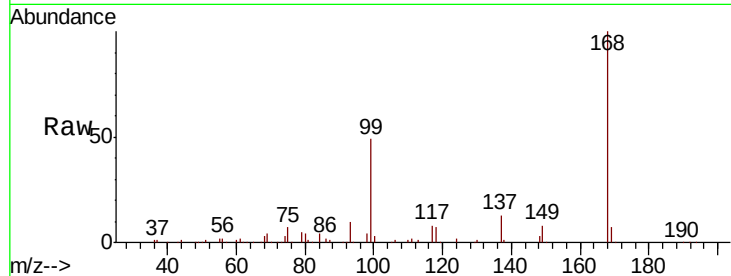
Tgt Ion:117 Resp: 114891

Ion Ratio Lower Upper

117 100

119 4.2 77.8 116.6#

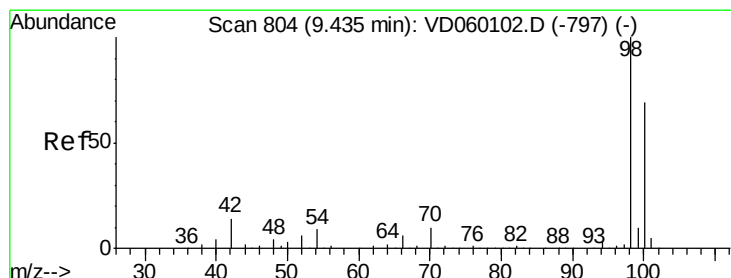
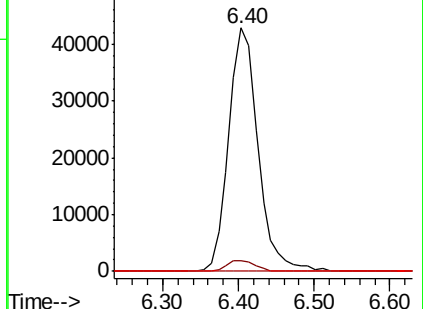
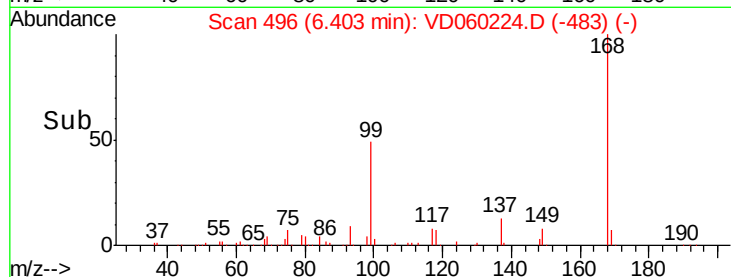
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060224.D

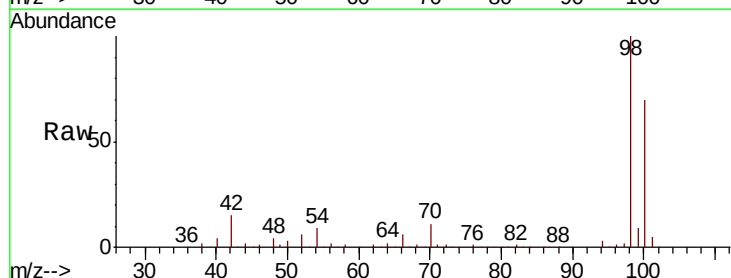
Acq: 26 Oct 2018 18:57

Tgt Ion: 98 Resp: 2286076

Ion Ratio Lower Upper

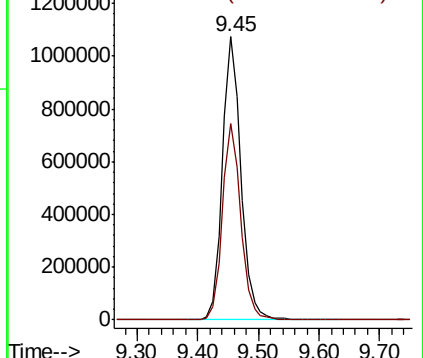
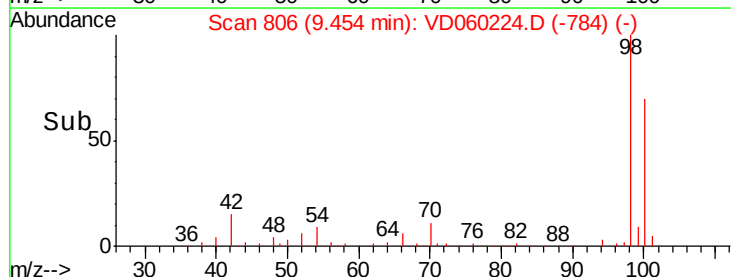
98 100

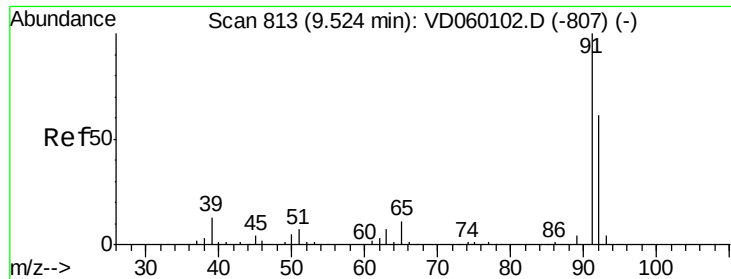
100 69.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.183 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

Instrument :

MSVOA_D

ClientSampleId :

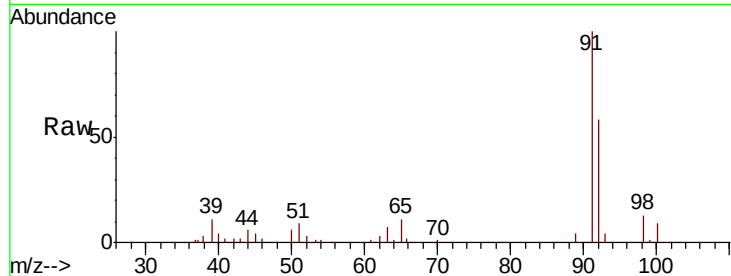
BS-SOIL-1

Tgt Ion: 92 Resp: 39102

Ion Ratio Lower Upper

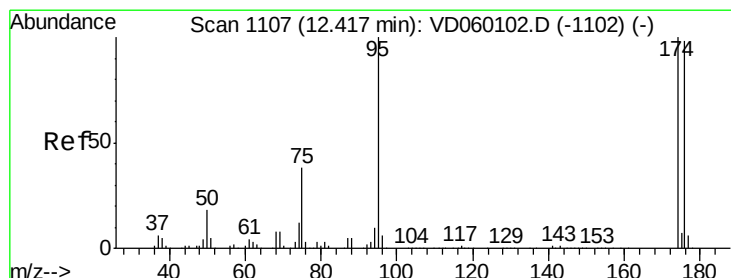
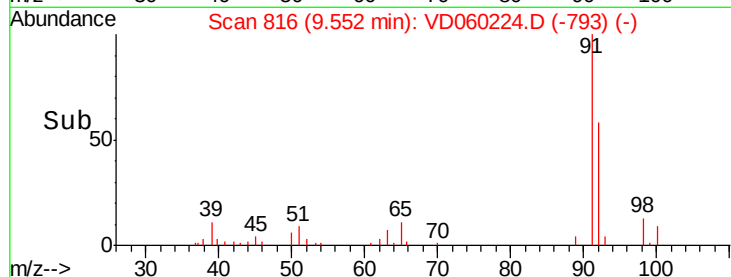
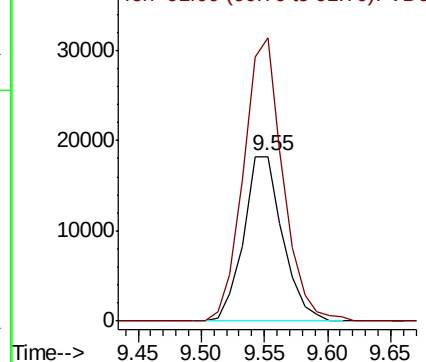
92 100

91 171.9 131.9 197.9



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: VD060224.D

Acq: 26 Oct 2018 18:57

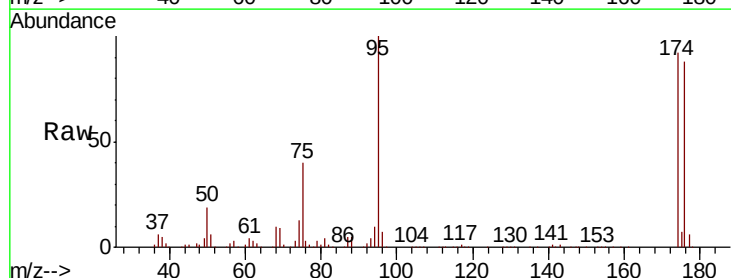
Tgt Ion: 95 Resp: 804523

Ion Ratio Lower Upper

95 100

174 91.6 0.0 200.2

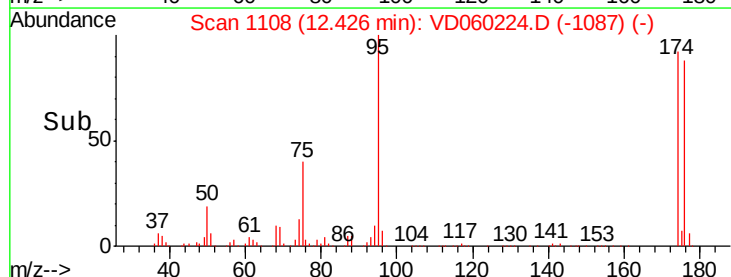
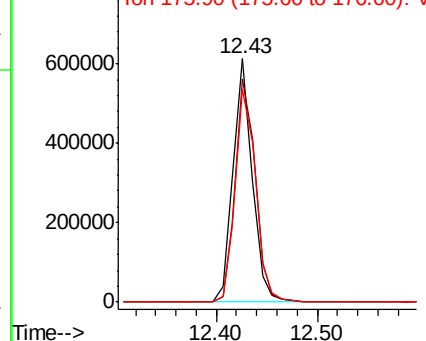
176 87.7 0.0 195.6

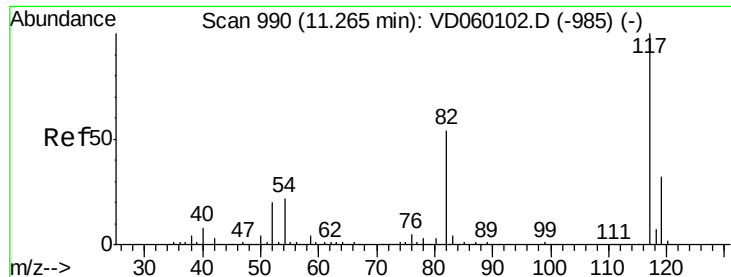


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

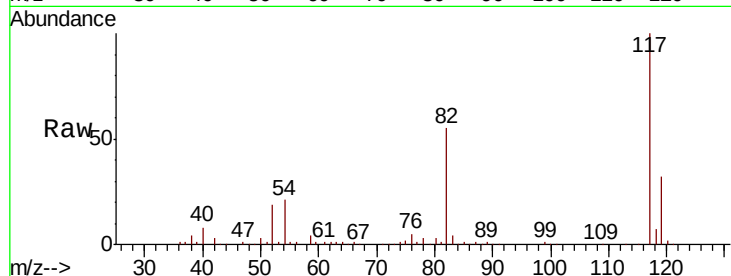




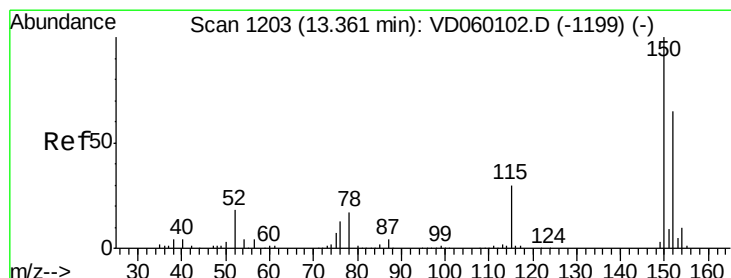
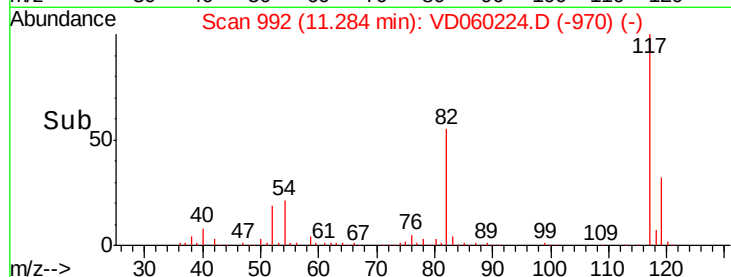
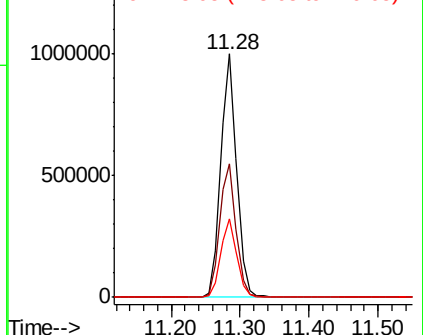
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060224.D
Acq: 26 Oct 2018 18:57

Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-1

Tgt Ion:117 Resp: 1590371
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 32.2 26.0 39.0

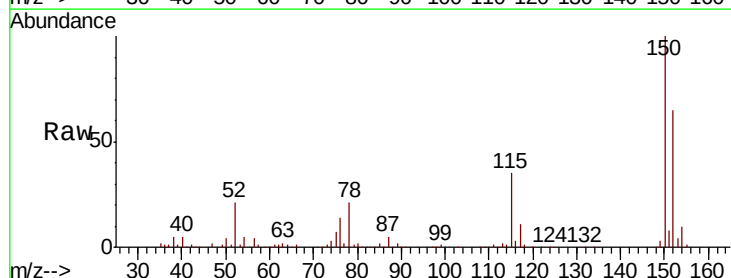


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

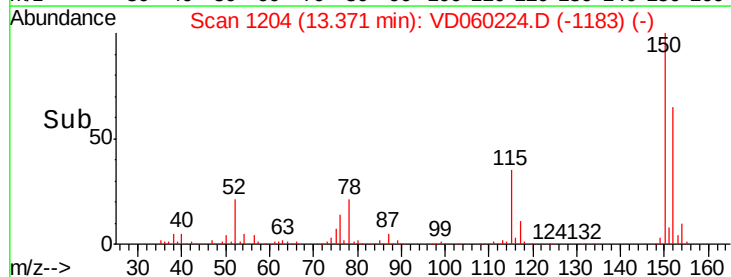
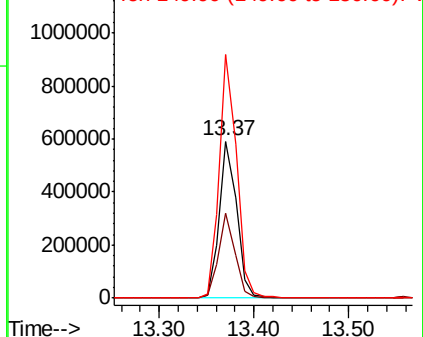


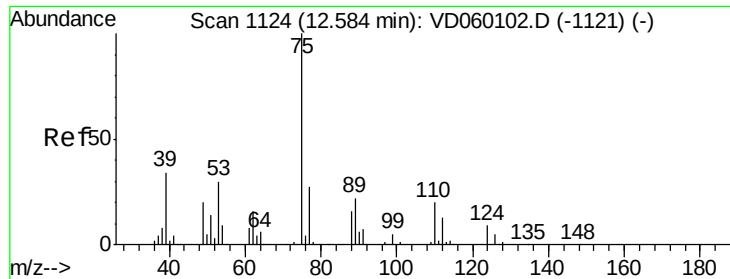
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060224.D
Acq: 26 Oct 2018 18:57

Tgt Ion:152 Resp: 758254
Ion Ratio Lower Upper
152 100
115 54.2 27.1 81.2
150 155.0 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: 29.592 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

Instrument :

MSVOA_D

ClientSampled :

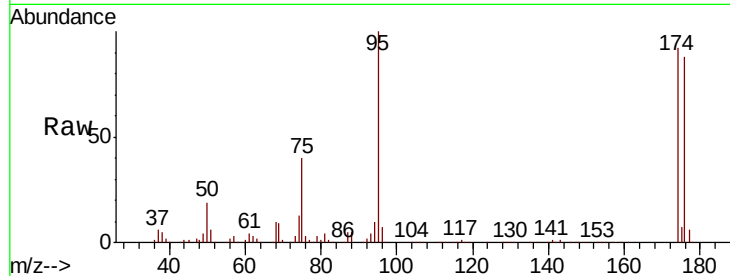
BS-SOIL-1

Tgt Ion: 75 Resp: 323141

Ion Ratio Lower Upper

75 100

77 1.3 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

150000

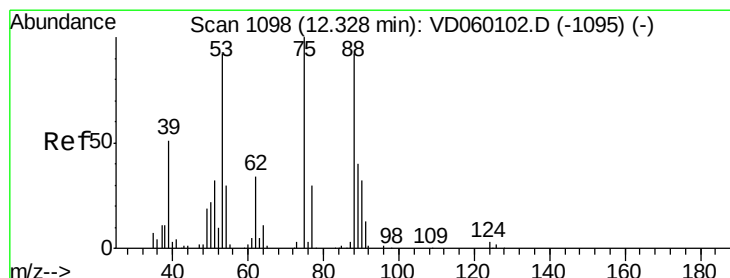
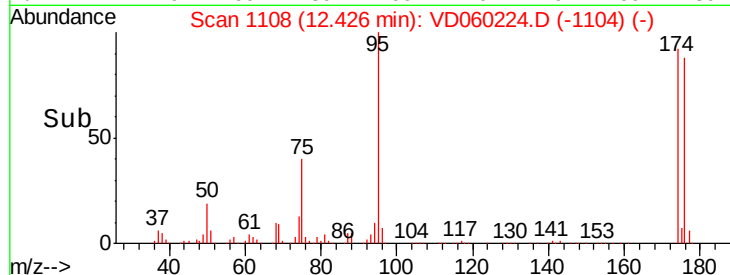
100000

50000

0

12.40 12.43 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 109.496 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060224.D

Acq: 26 Oct 2018 18:57

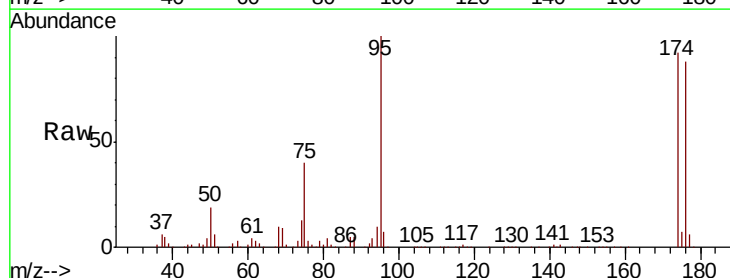
Tgt Ion: 75 Resp: 335968

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

300000

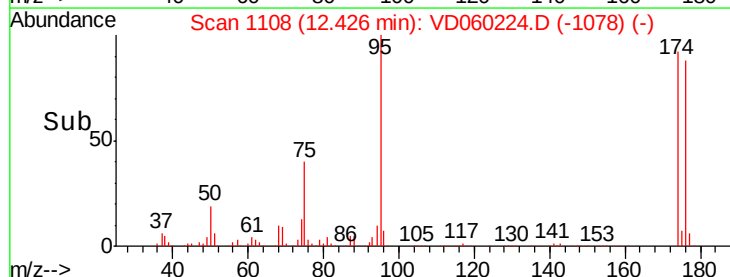
200000

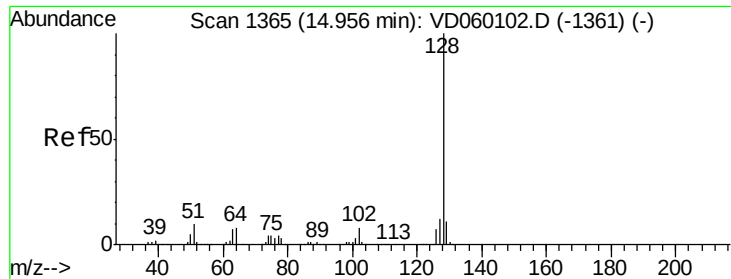
100000

0

12.35 12.40 12.43 12.45 12.50

Time-->





#95
Naphthalene
Concen: 10.291 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060224.D
Acq: 26 Oct 2018 18:57

Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.4	8.8	13.2

