

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060233.D
 Acq On : 29 Oct 2018 17:09
 Operator : VA/AP
 Sample : J5639-09
 Misc : 7.91g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-3

Quant Time: Oct 29 18:30:20 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

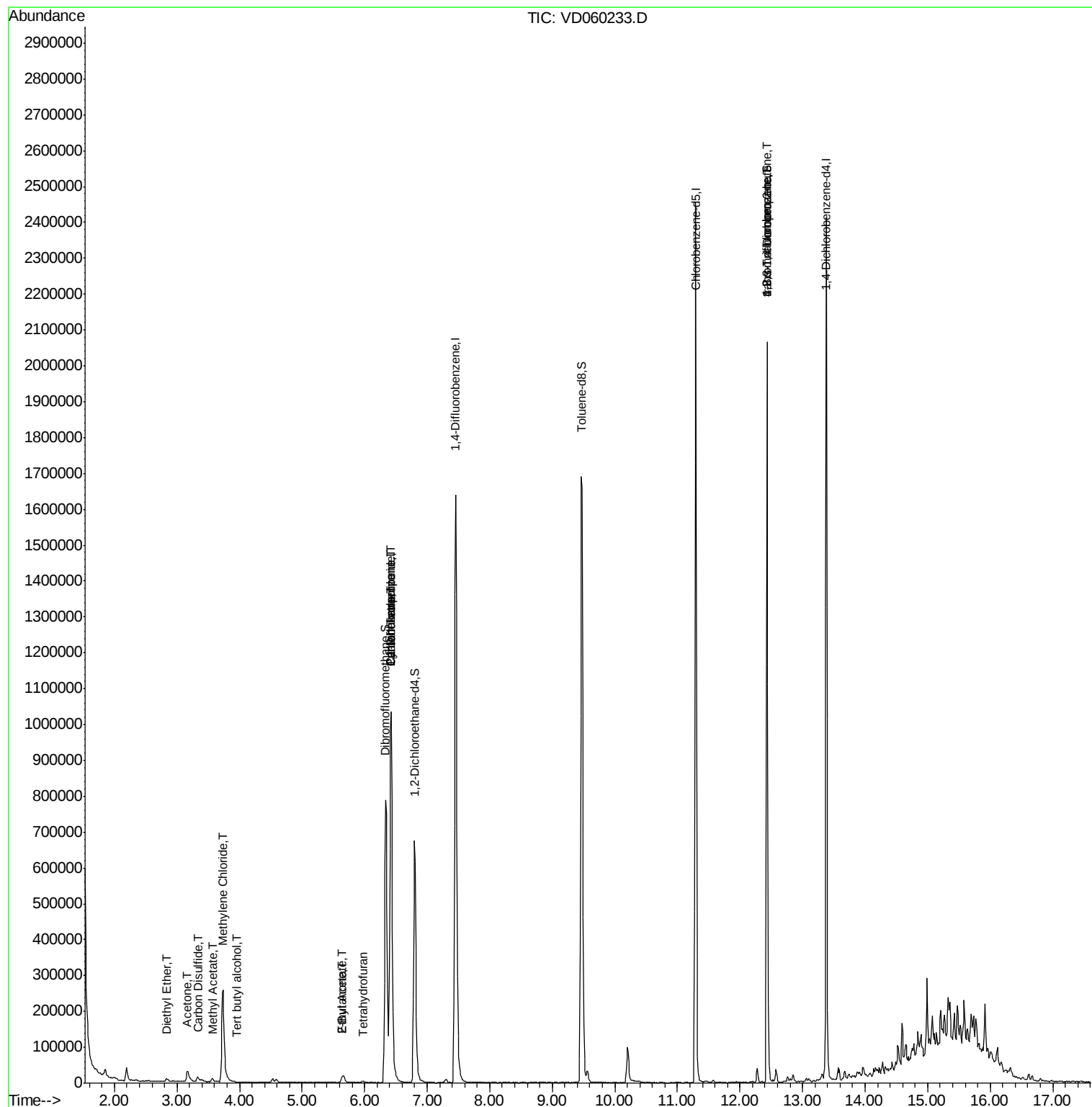
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1045476	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.46	114	1770766	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.29	117	1309339	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	534074	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	570850	72.03	ug/l	0.04
Spiked Amount 50.000			Recovery	=	144.06%	
35) Dibromofluoromethane	6.33	113	651689	48.46	ug/l	0.04
Spiked Amount 50.000			Recovery	=	96.92%	
50) Toluene-d8	9.46	98	1455026	37.95	ug/l	0.03
Spiked Amount 50.000			Recovery	=	75.90%	
62) 4-Bromofluorobenzene	12.43	95	593925	41.37	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.74%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.84	74	2598	1.454	ug/l	86
11) Tert butyl alcohol	3.97	59	1594	2.805	ug/l #	74
16) Acetone	3.16	43	62748	43.636	ug/l	94
17) Carbon Disulfide	3.33	76	24686	1.721	ug/l	98
18) Methyl Acetate	3.57	43	16658	5.390	ug/l	94
20) Methylene Chloride	3.74	84	170539	11.779	ug/l	98
25) 2-Butanone	5.63	43	15392	4.285	ug/l #	83
29) Tetrahydrofuran	5.96	42	2976	1.426	ug/l #	68
31) Cyclohexane	6.41	56	17371	1.012	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	70970	4.194	ug/l #	46
37) Ethyl Acetate	5.63	43	15392	1.370	ug/l #	71
38) Carbon Tetrachloride	6.42	117	82475	5.370	ug/l #	16
76) 1,2,3-Trichloropropane	12.43	75	230137	29.922	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	229769	106.317	ug/l #	13

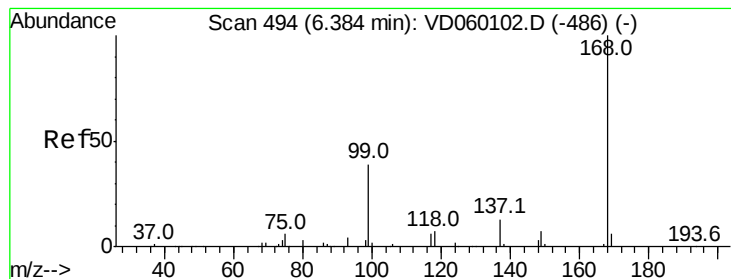
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102918\
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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: 6.42 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

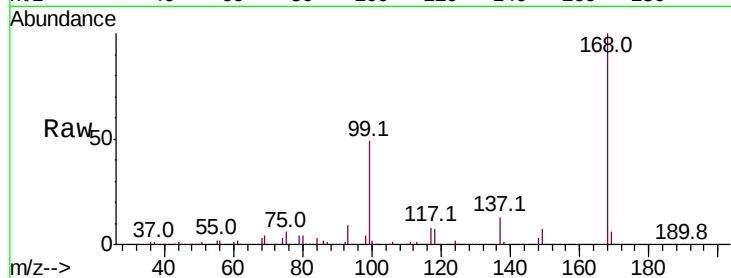
BS-SOIL-3

Tot Ion:168 Resp: 1045476

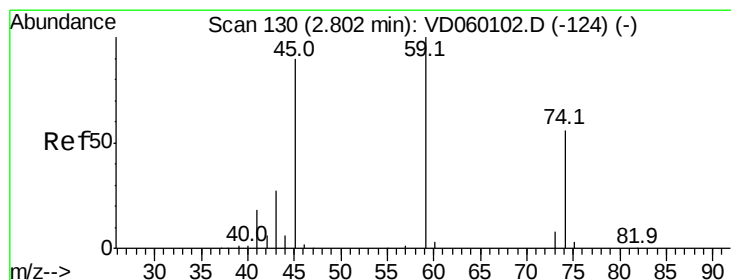
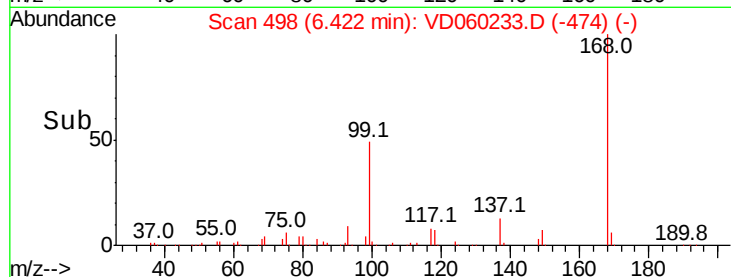
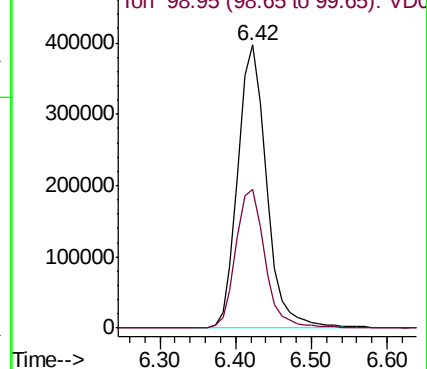
Ion Ratio Lower Upper

168 100

99 49.2 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V



#8

Diethyl Ether

Concen: 1.454 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.04 min

Lab File: VD060233.D

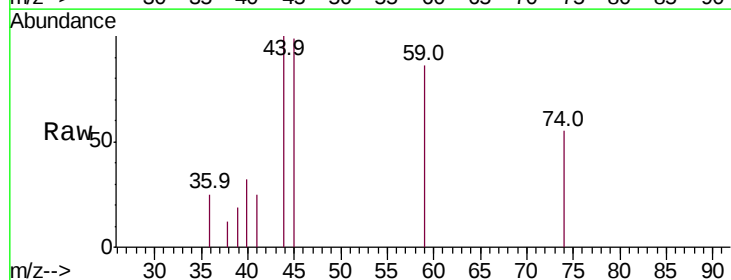
Acq: 29 Oct 2018 17:09

Tgt Ion: 74 Resp: 2598

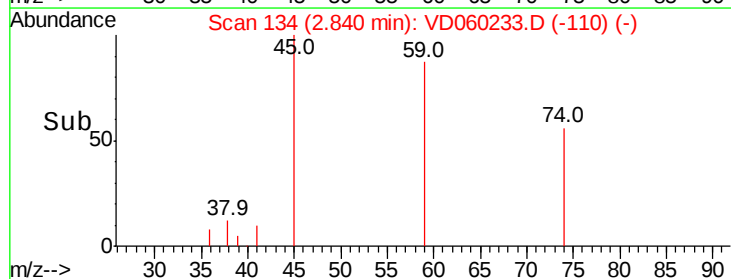
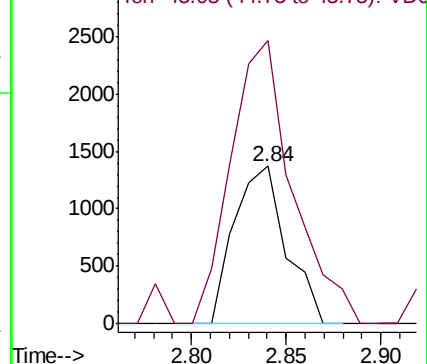
Ion Ratio Lower Upper

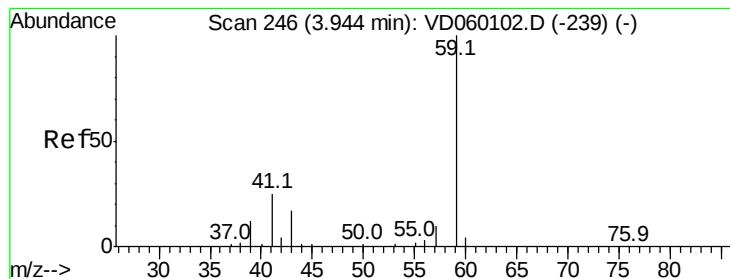
74 100

45 179.6 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): V



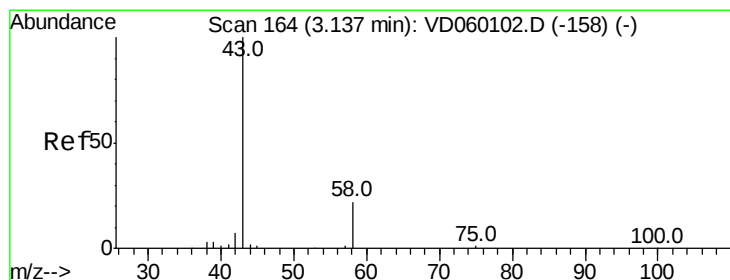
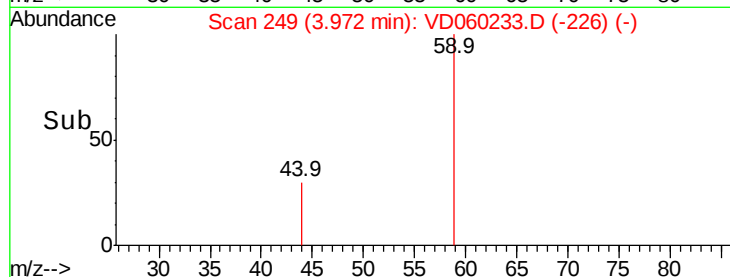
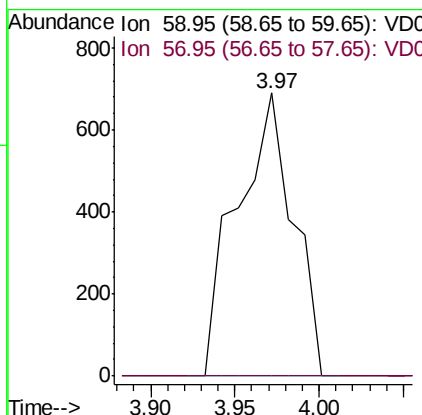
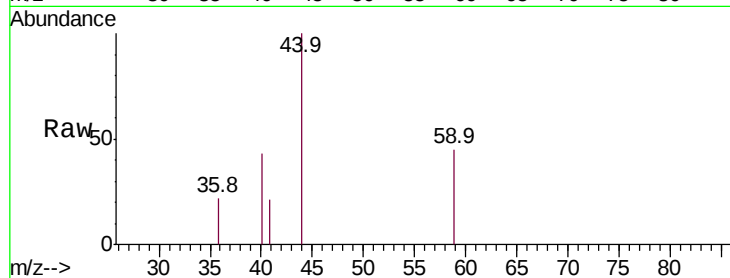


#11

Tert butyl alcohol
 Concen: 2.805 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060233.D
 Acq: 29 Oct 2018 17:09

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SOIL-3

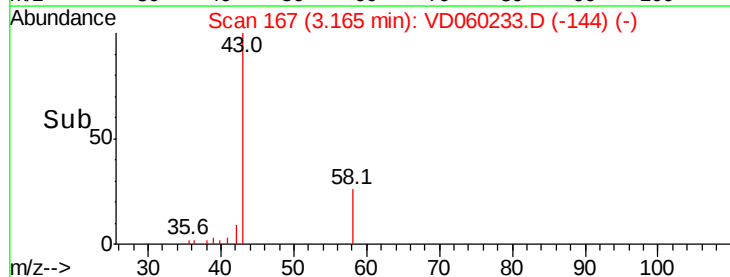
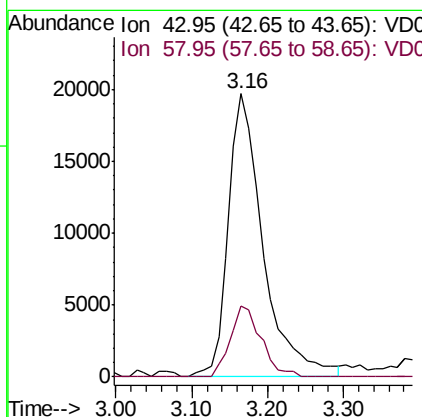
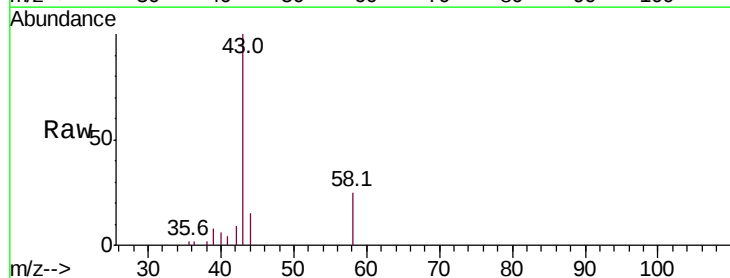
Tot Ion: 59 Resp: 1594
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

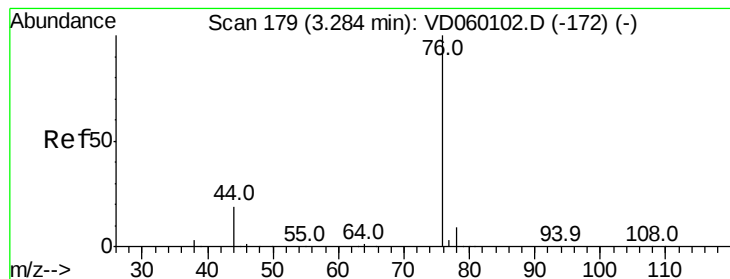


#16

Acetone
 Concen: 43.636 ug/l
 RT: 3.16 min Scan# 167
 Delta R.T. 0.03 min
 Lab File: VD060233.D
 Acq: 29 Oct 2018 17:09

Tgt Ion: 43 Resp: 62748
 Ion Ratio Lower Upper
 43 100
 58 24.9 17.7 26.5





#17

Carbon Disulfide

Concen: 1.721 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.05 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

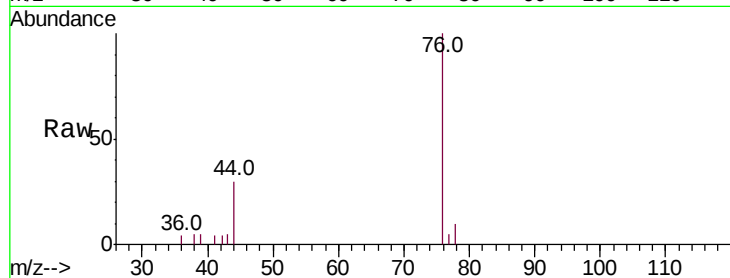
BS-SOIL-3

Tot Ion: 76 Resp: 24686

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

12000

10000

8000

6000

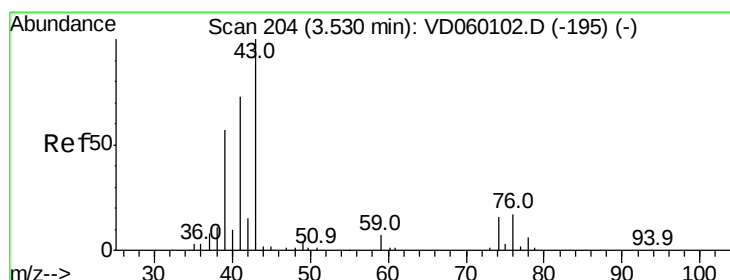
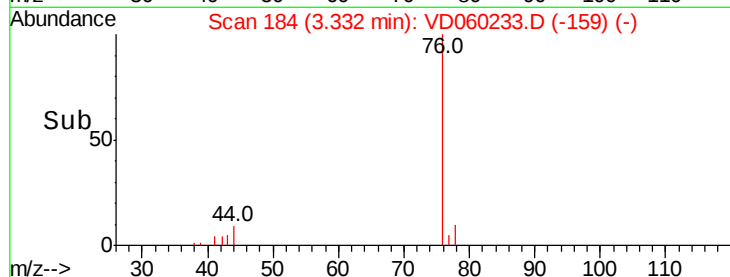
4000

2000

0

Time--> 3.20 3.30 3.40

3.33



#18

Methyl Acetate

Concen: 5.390 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.04 min

Lab File: VD060233.D

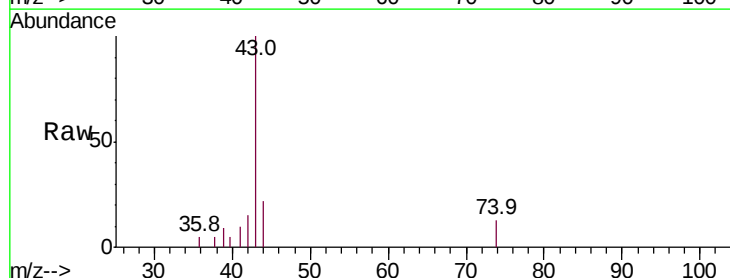
Acq: 29 Oct 2018 17:09

Tgt Ion: 43 Resp: 16658

Ion Ratio Lower Upper

43 100

74 13.5 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

8000

6000

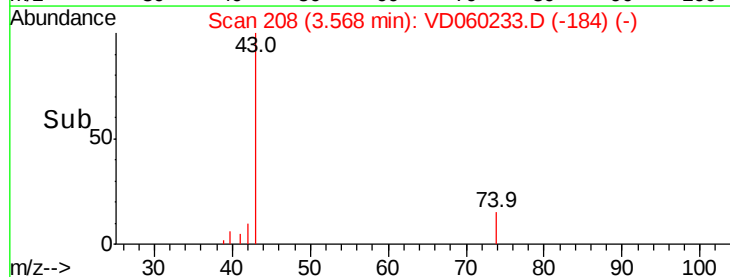
4000

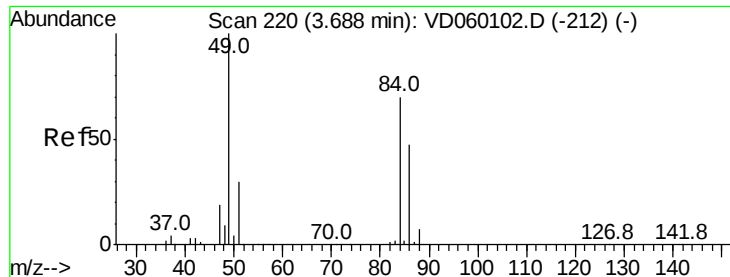
2000

0

Time--> 3.45 3.50 3.55 3.60 3.65

3.57

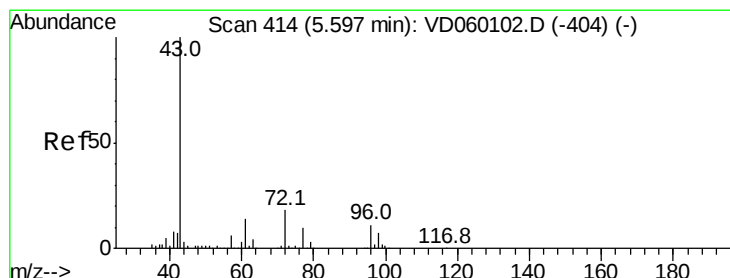
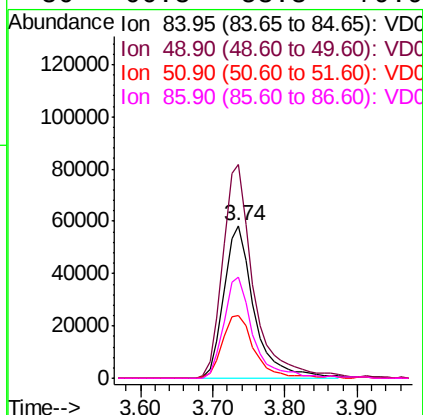
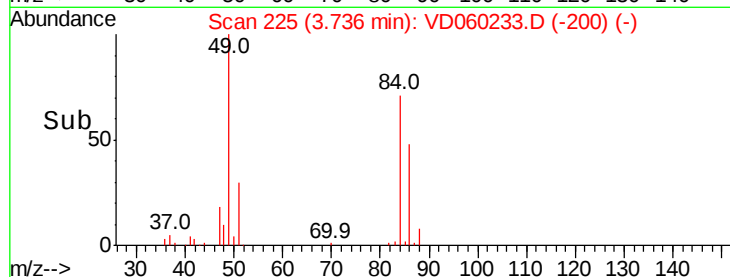
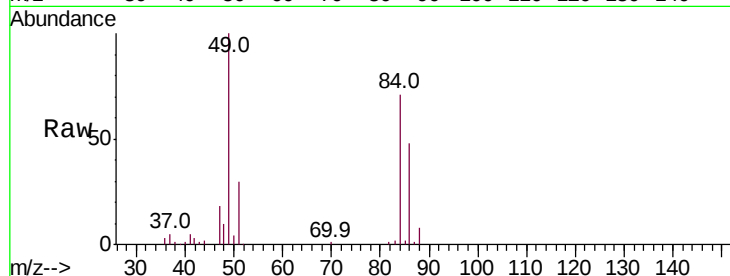




#20
Methvlene Chloride
Concen: 11.779 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.05 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

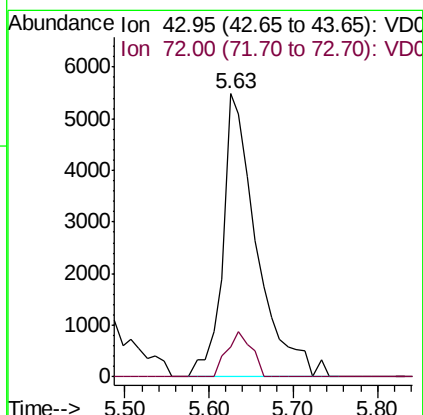
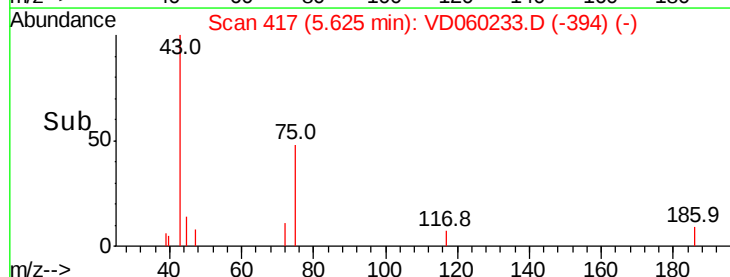
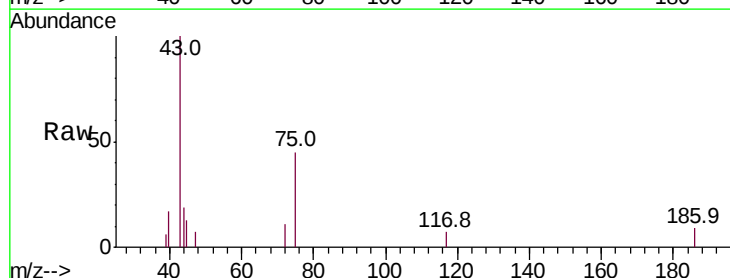
Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-3

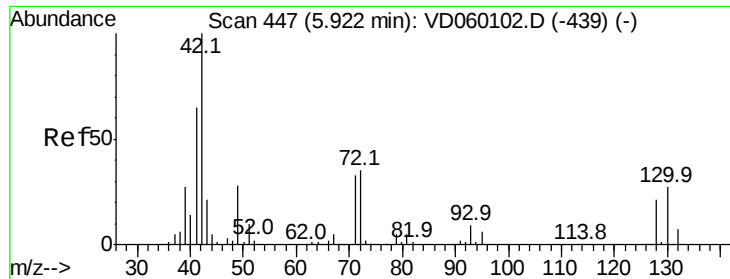
Tot Ion: 84 Resp: 170539
Ion Ratio Lower Upper
84 100
49 140.2 114.6 172.0
51 41.5 33.8 50.8
86 66.8 53.3 79.9



#25
2-Butanone
Concen: 4.285 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.03 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

Tgt Ion: 43 Resp: 15392
Ion Ratio Lower Upper
43 100
72 10.7 14.5 21.7#

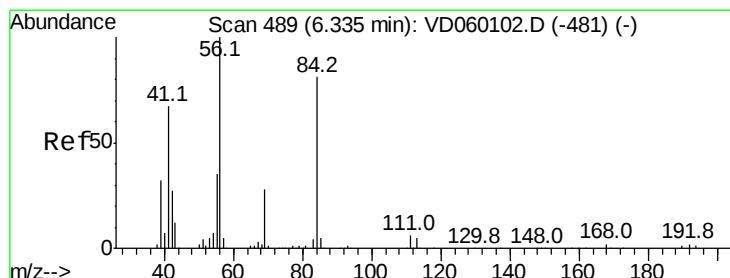
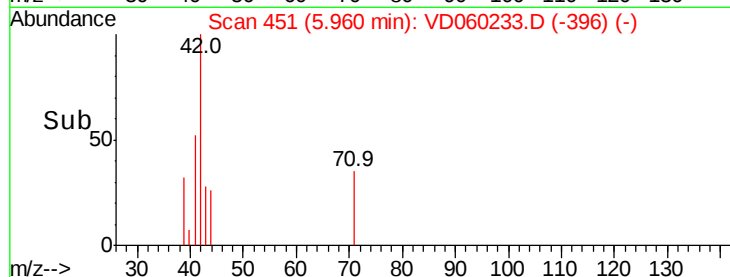
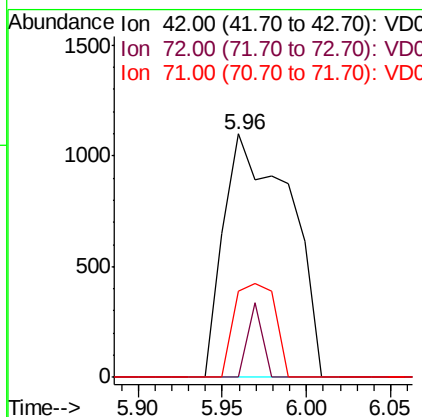
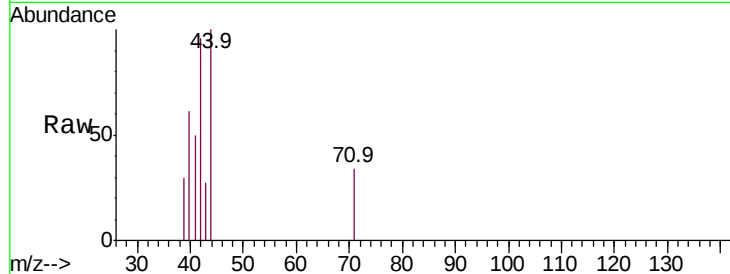




#29
Tetrahydrofuran
Concen: 1.426 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

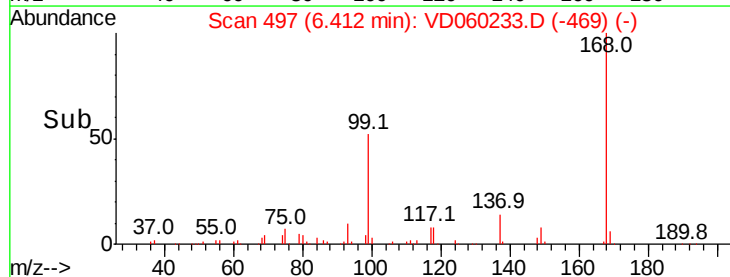
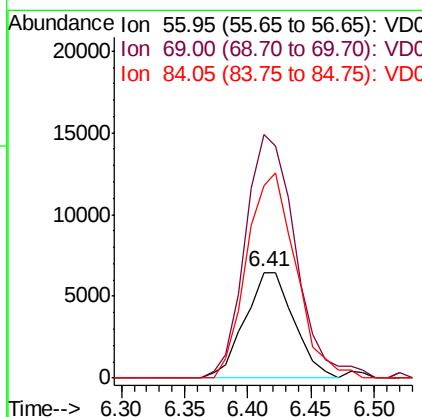
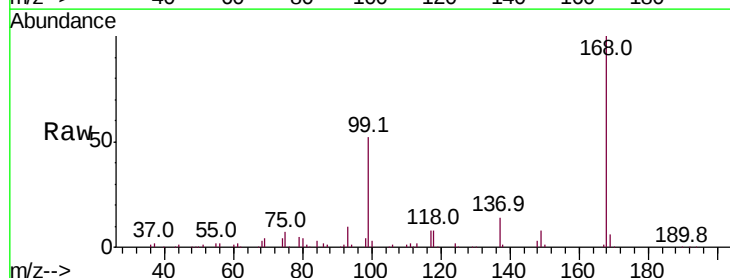
Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-3

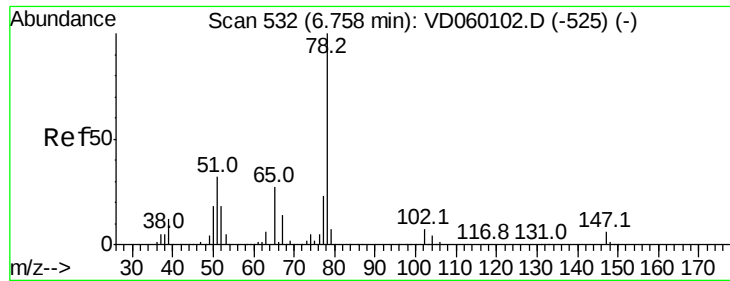
Tot Ion: 42 Resp: 2976
Ion Ratio Lower Upper
42 100
72 6.7 26.9 40.3#
71 23.8 26.7 40.1#



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 6.41 min Scan# 497
Delta R.T. 0.08 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

Tgt Ion: 56 Resp: 17371
Ion Ratio Lower Upper
56 100
69 230.4 22.8 34.2#
84 182.0 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.04 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

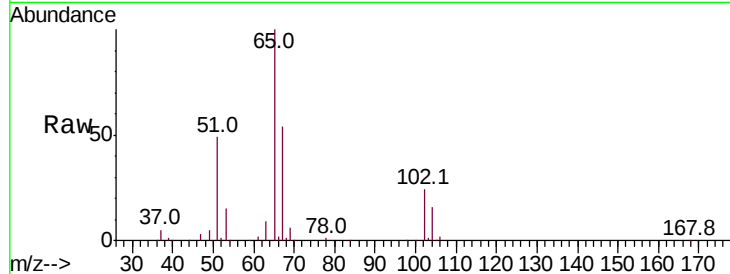
BS-SOIL-3

Tot Ion: 65 Resp: 570850

Ion Ratio Lower Upper

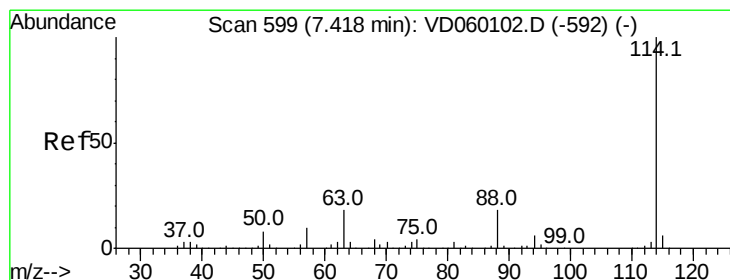
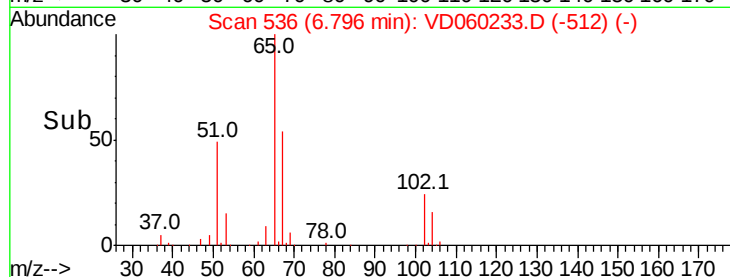
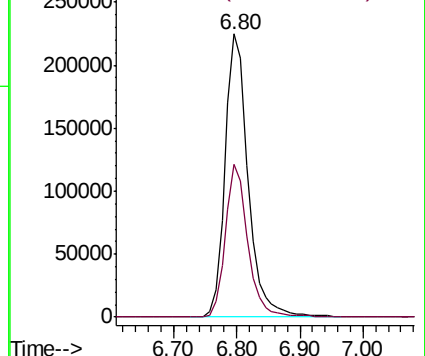
65 100

67 53.9 0.0 106.2



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: 7.46 min Scan# 603

Delta R.T. 0.04 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

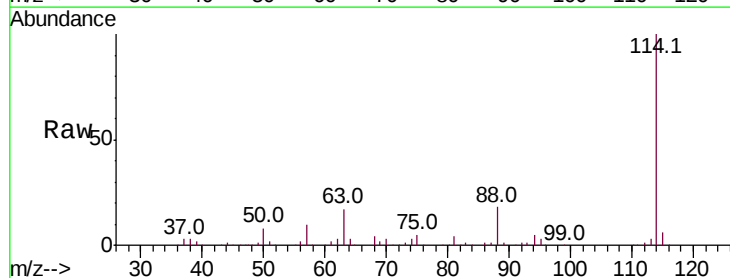
Tgt Ion:114 Resp: 1770766

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.0

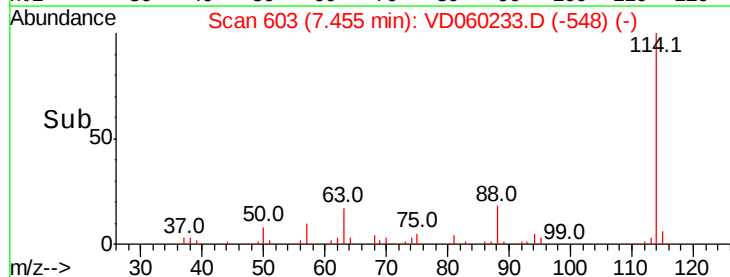
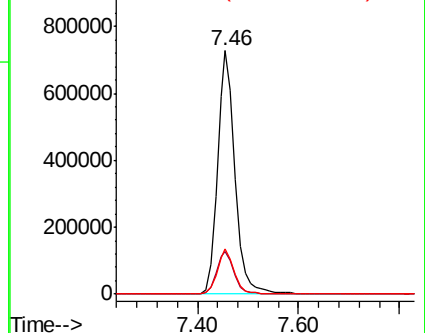
88 18.4 0.0 36.2

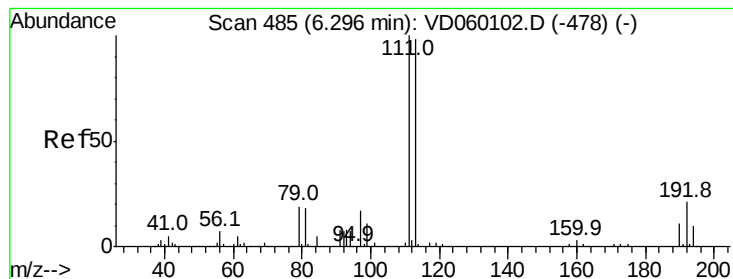


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.33 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Instrument :

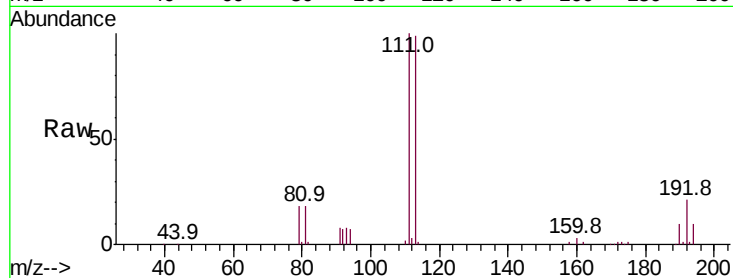
MSVOA_D

ClientSampleId :

BS-SOIL-3

Tot Ion:113 Resp: 651689

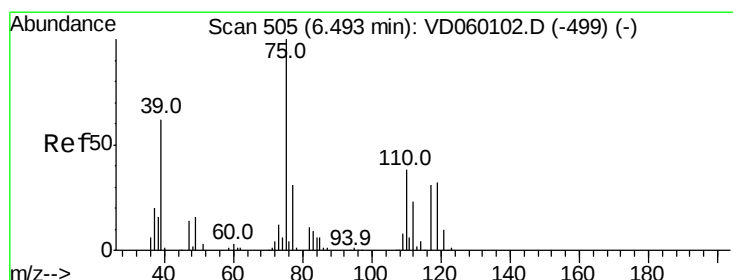
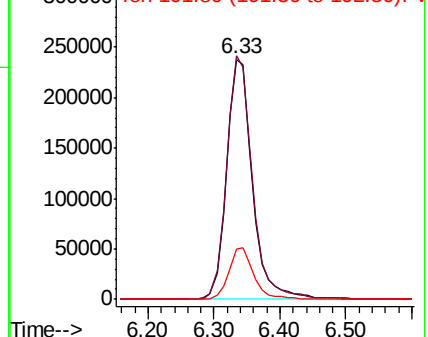
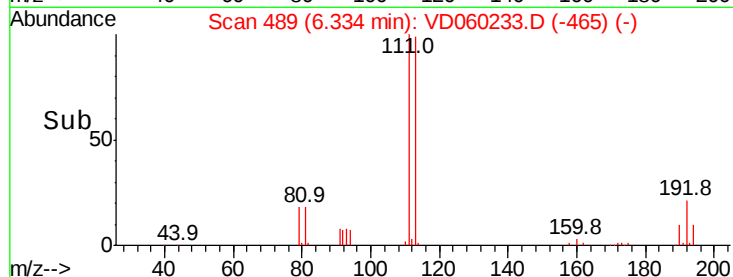
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	20.9	17.4	26.0



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: 4.194 ug/l

RT: 6.41 min Scan# 497

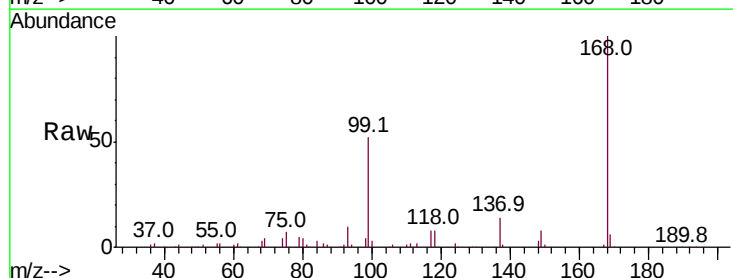
Delta R.T. -0.08 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Tgt Ion: 75 Resp: 70970

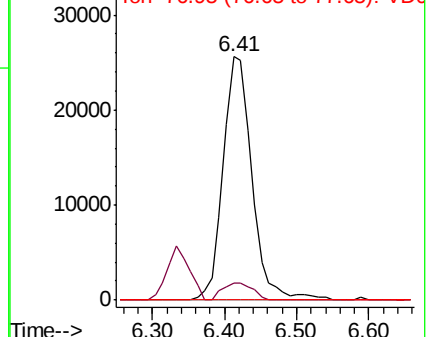
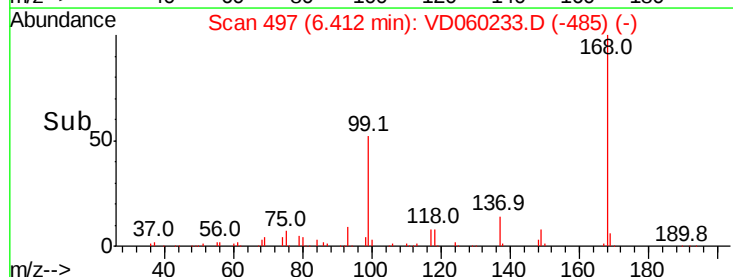
Ion	Ratio	Lower	Upper
75	100		
110	7.2	19.0	57.0#
77	0.0	24.9	37.3#

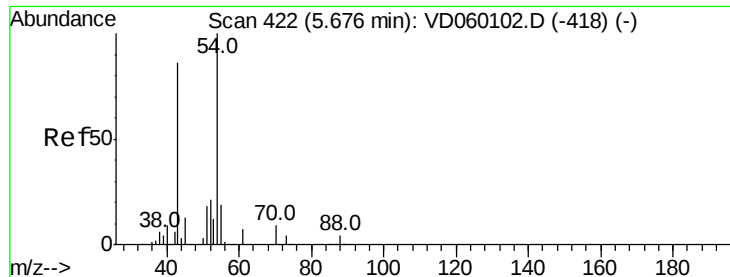


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.370 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.05 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

BS-SOIL-3

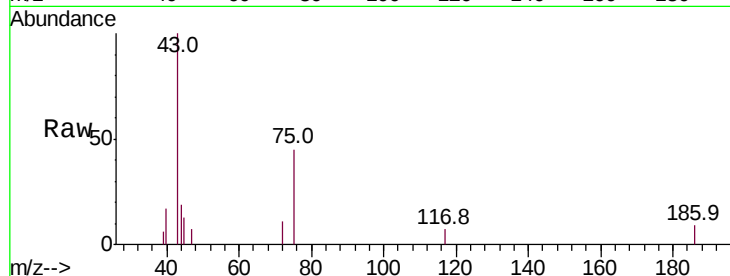
Tot Ion: 43 Resp: 15392

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

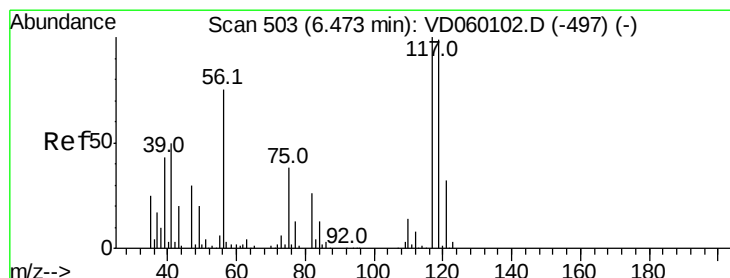
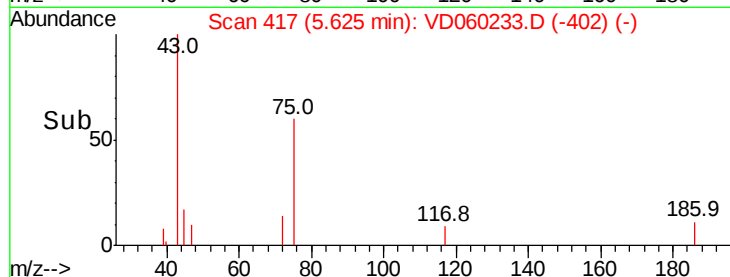
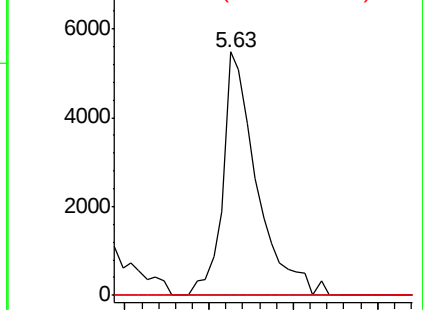
70 0.0 6.3 9.5#



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: 5.370 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.05 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

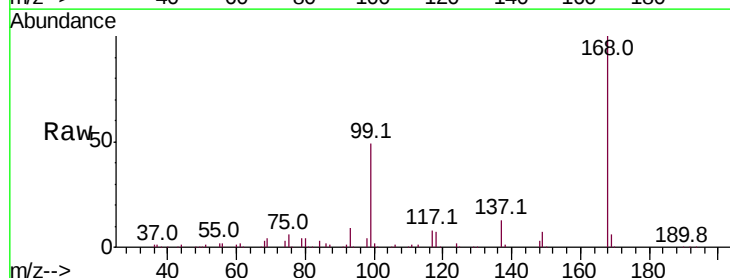
Tgt Ion: 117 Resp: 82475

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.6#

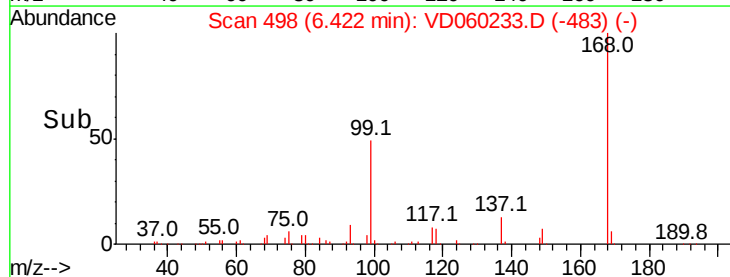
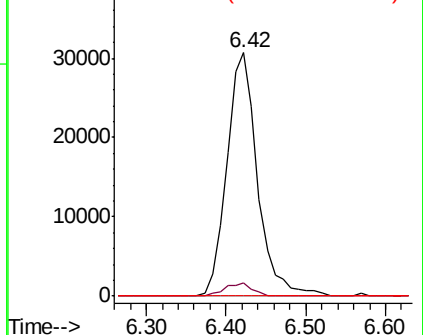
121 0.0 24.8 37.2#

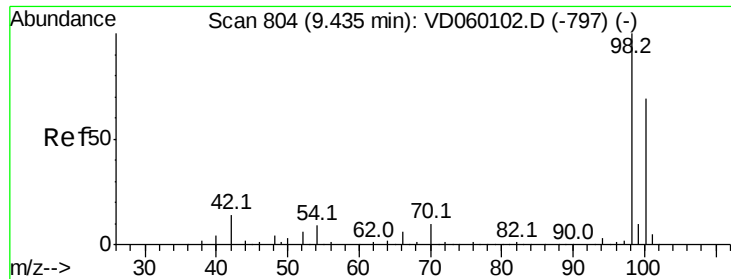


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

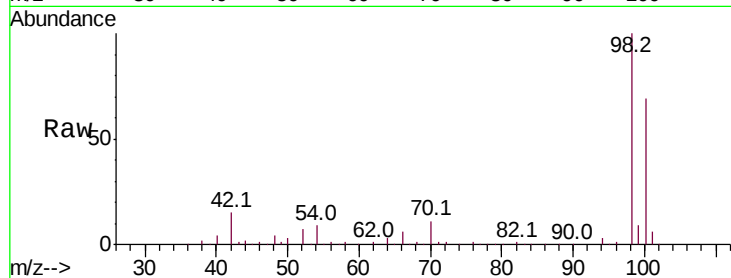




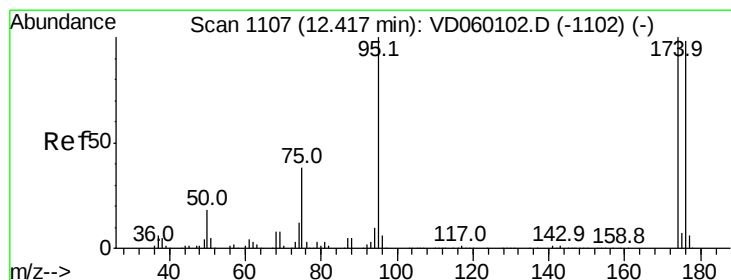
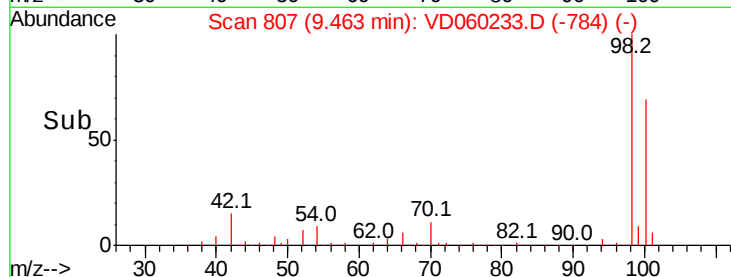
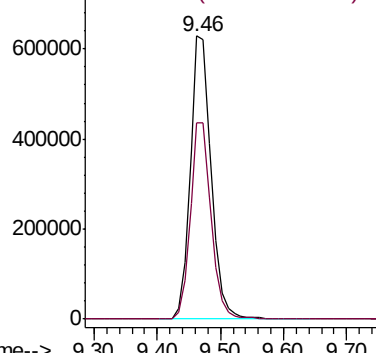
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-3

Tot Ion: 98 Resp: 1455026
Ion Ratio Lower Upper
98 100
100 69.3 55.4 83.0

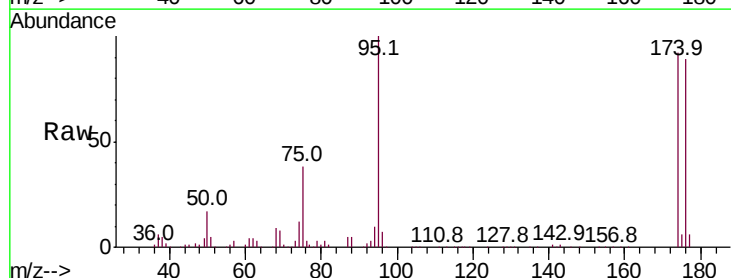


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

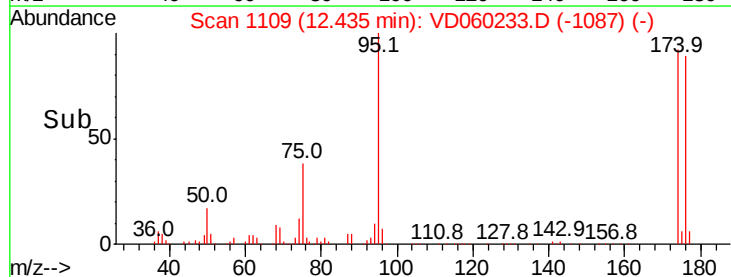
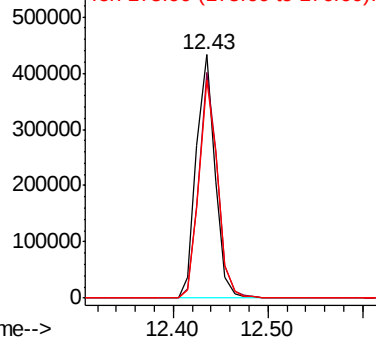


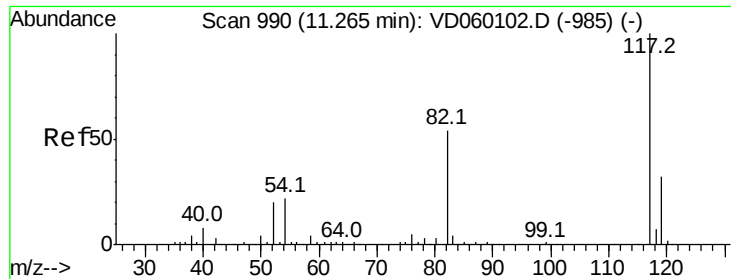
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1109
Delta R.T. 0.02 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

Tgt Ion: 95 Resp: 593925
Ion Ratio Lower Upper
95 100
174 92.4 0.0 200.2
176 89.4 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

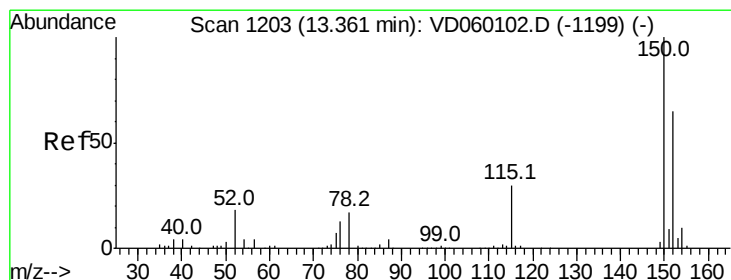
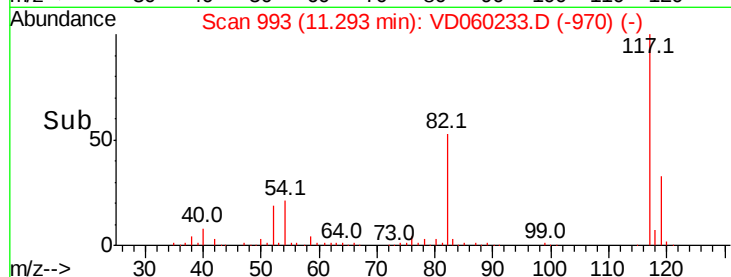
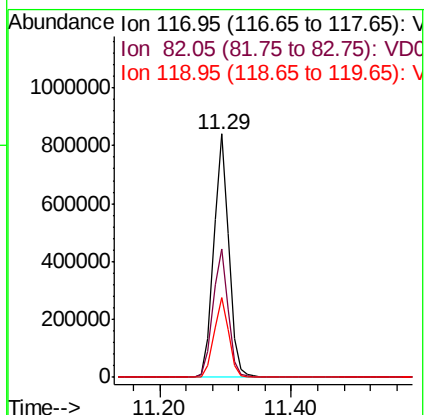
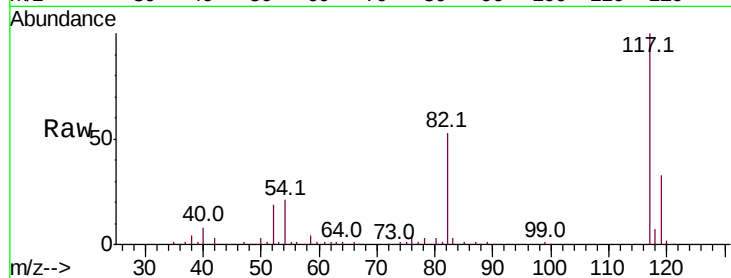




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

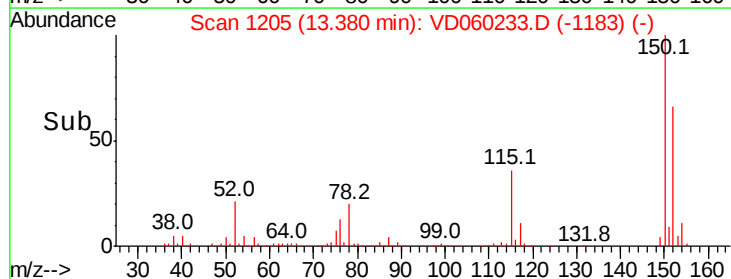
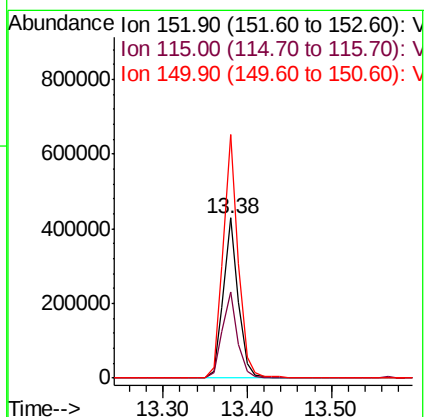
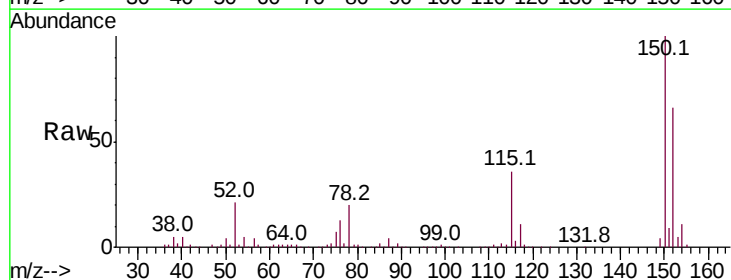
Instrument :
MSVOA_D
ClientSampleId :
BS-SOIL-3

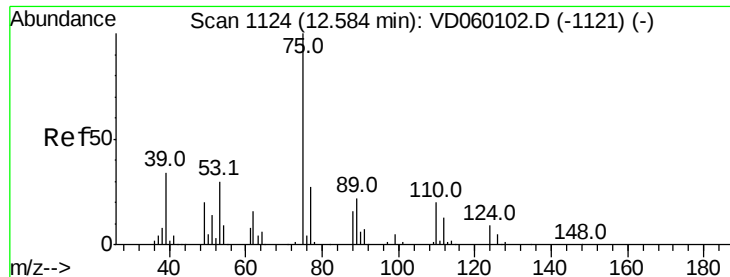
Tot Ion:117 Resp: 1309339
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.2
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060233.D
Acq: 29 Oct 2018 17:09

Tgt Ion:152 Resp: 534074
Ion Ratio Lower Upper
152 100
115 54.0 27.1 81.2
150 151.8 0.0 311.8





#76

1,2,3-Trichloropropane

Concen: 29.922 ug/l

RT: 12.43 min Scan# 1109

Delta R.T. -0.15 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

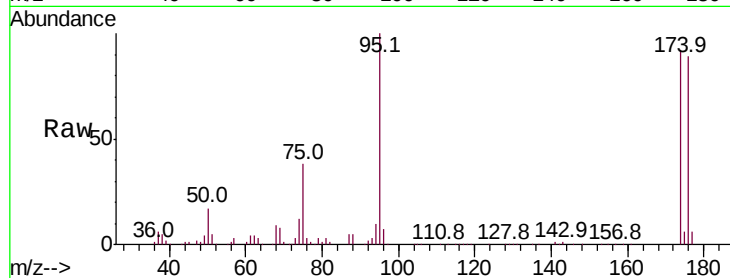
BS-SOIL-3

Tot Ion: 75 Resp: 230137

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

12.43

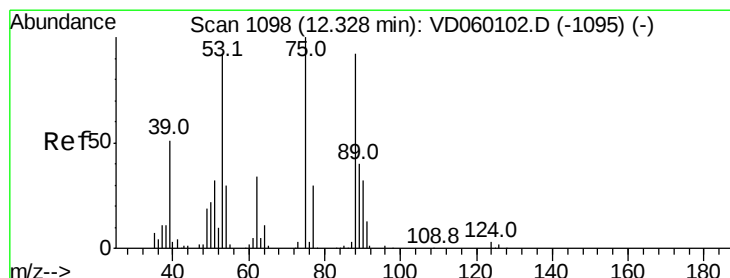
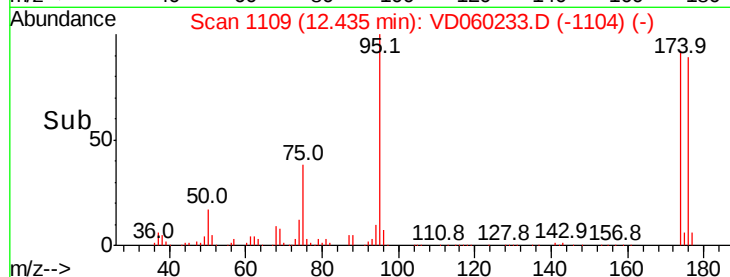
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 106.317 ug/l

RT: 12.43 min Scan# 1109

Delta R.T. 0.11 min

Lab File: VD060233.D

Acq: 29 Oct 2018 17:09

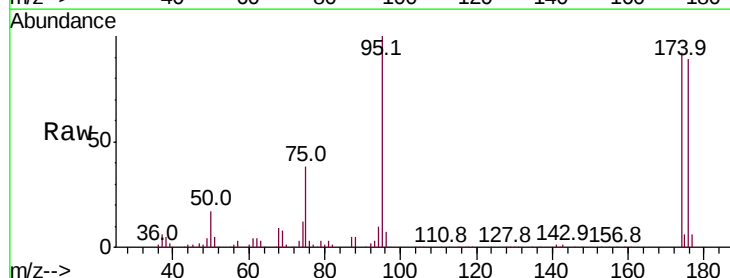
Tgt Ion: 75 Resp: 229769

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

12.43

200000

150000

100000

50000

0

Time-->

