

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112119\
 Data File : VX013494.D
 Acq On : 21 Nov 2019 11:44
 Operator : JC/SP
 Sample : K5957-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-SOIL-111919

Quant Time: Nov 22 01:06:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	715216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1151859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1025949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	448180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	419154	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.94%	
35) Dibromofluoromethane	5.48	113	353210	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	1373536	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	449621	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	

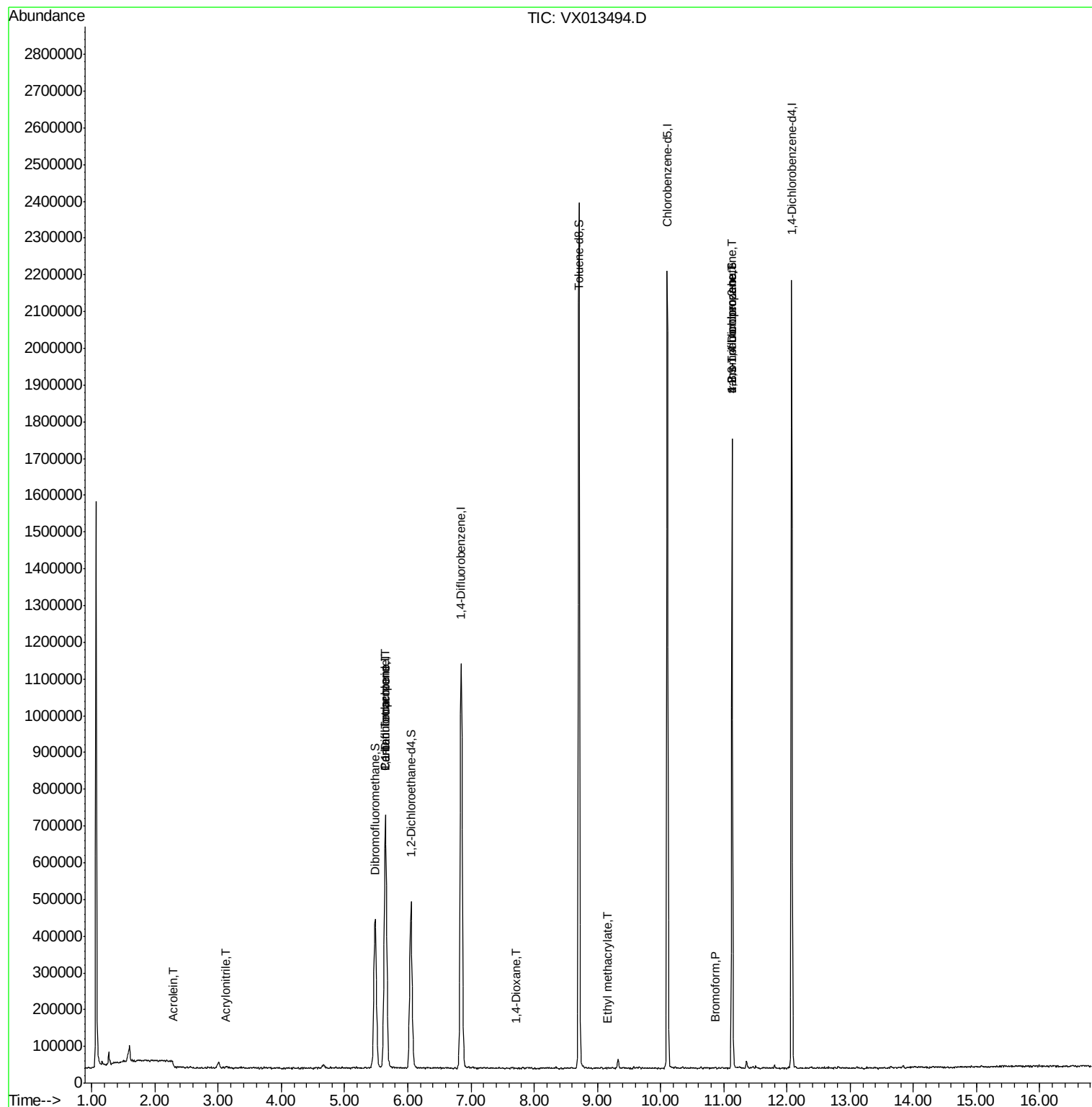
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	694	Below Cal	#	50
13) Acrolein	2.30	56	261	0.216	ug/l #	82
15) Acrylonitrile	3.13	53	922	0.221	ug/l #	24
36) 1,1-Dichloropropene	5.64	75	47441	4.801	ug/l #	51
38) Carbon Tetrachloride	5.65	117	61147	6.328	ug/l #	15
49) 1,4-Dioxane	7.72	88	94	0.432	ug/l #	1
56) Ethyl methacrylate	9.17	69	109	1.571	ug/l #	1
71) Bromoform	10.85	173	1149	3.355	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	222725	24.467	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	222725	62.977	ug/l #	9

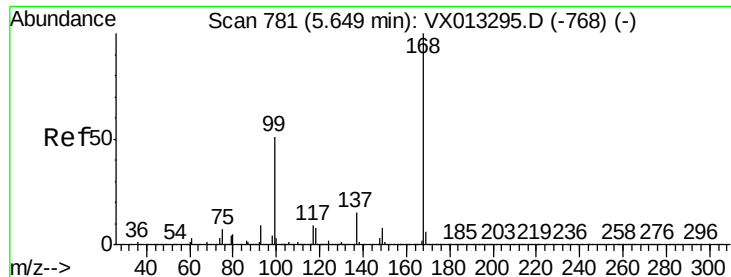
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

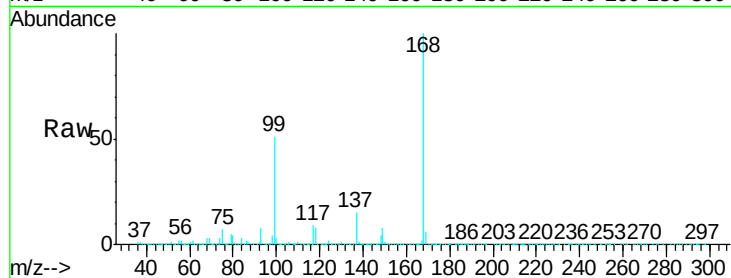
EB-SOIL-111919

Tgt Ion:168 Resp: 715216

Ion Ratio Lower Upper

168 100

99 50.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

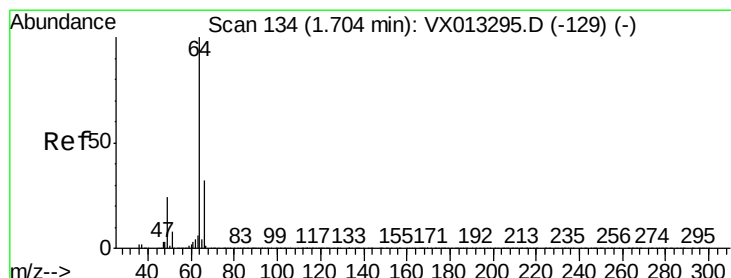
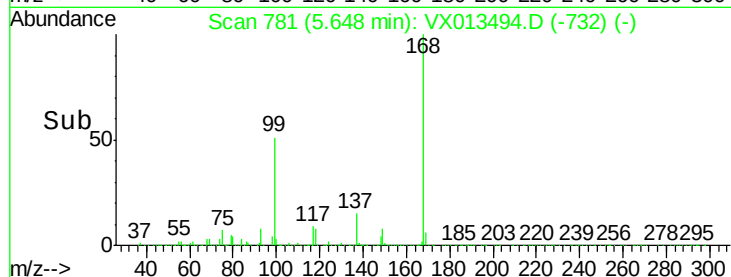
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX013494.D

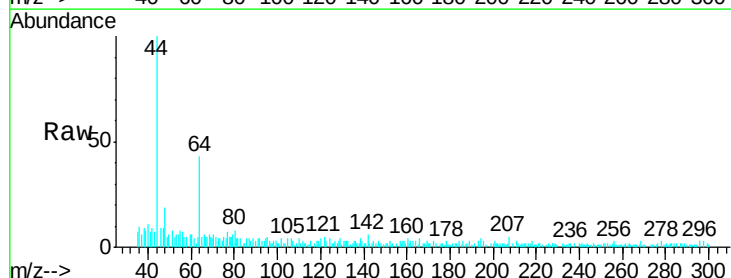
Acq: 21 Nov 2019 11:44

Tgt Ion: 64 Resp: 694

Ion Ratio Lower Upper

64 100

66 4.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

3000

2500

2000

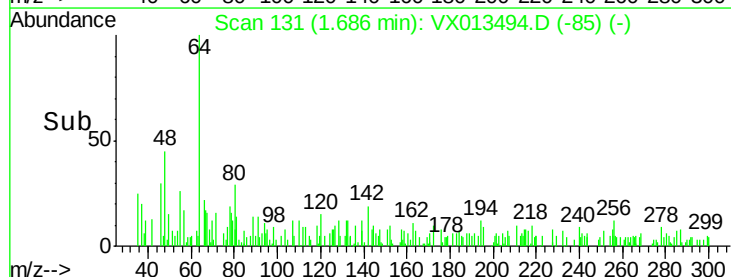
1500

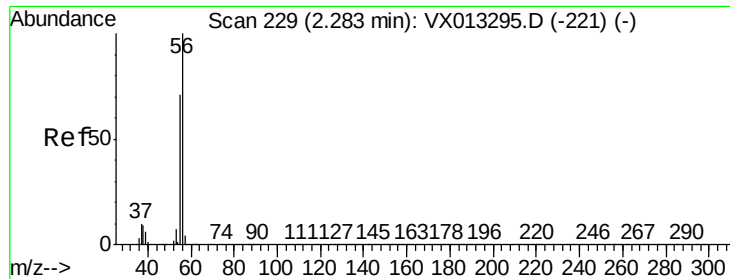
1000

500

0

Time-->





#13

Acrolein

Concen: 0.216 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

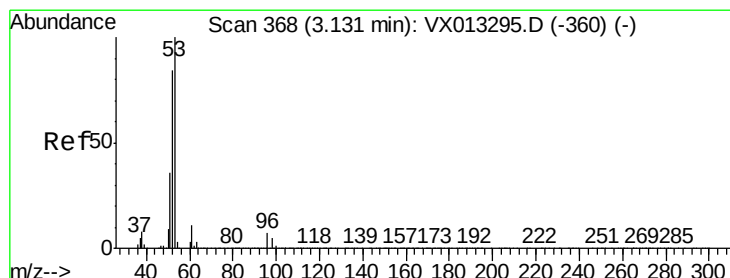
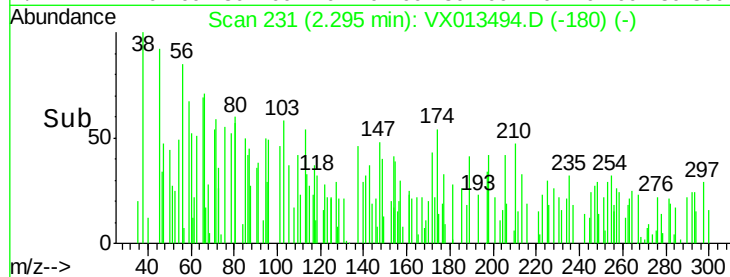
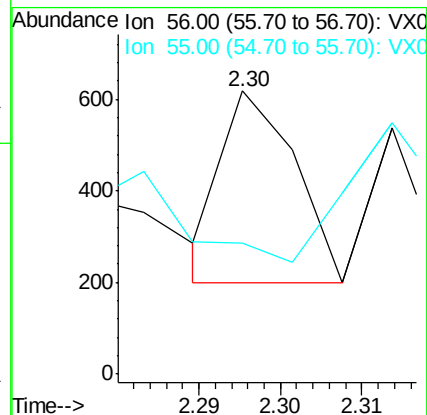
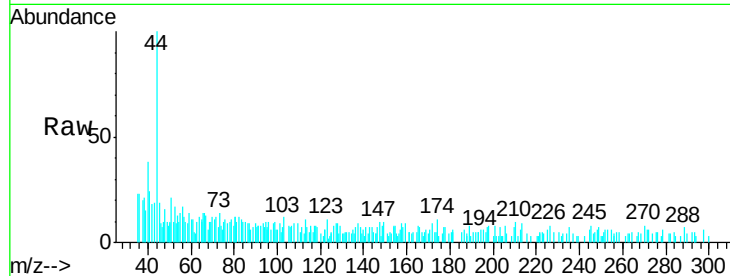
EB-SOIL-111919

Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 87.0 57.4 86.0#



#15

Acrylonitrile

Concen: 0.221 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

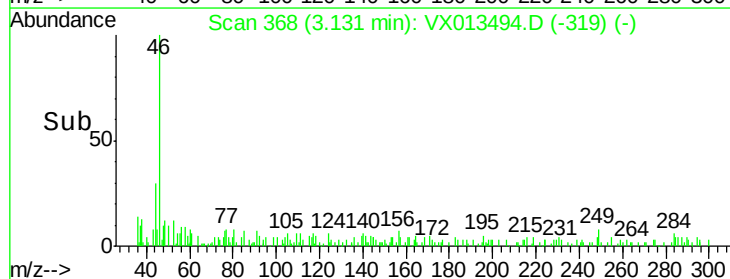
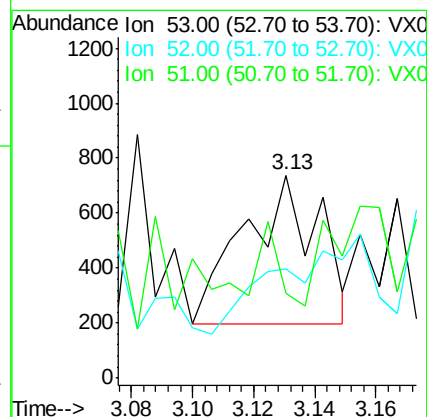
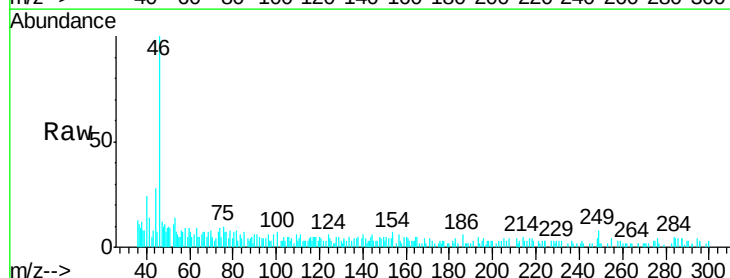
Tgt Ion: 53 Resp: 922

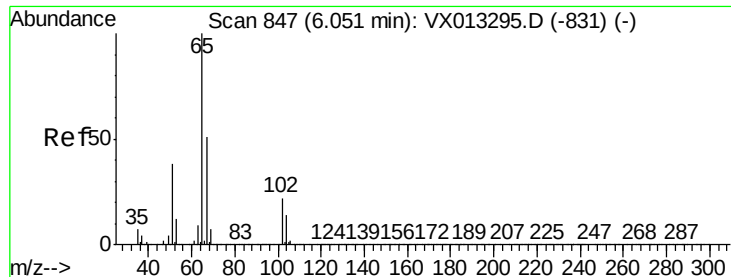
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 14.1 29.4 44.2#





#33

1,2-Dichloroethane-d4

Concen: 49.468 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

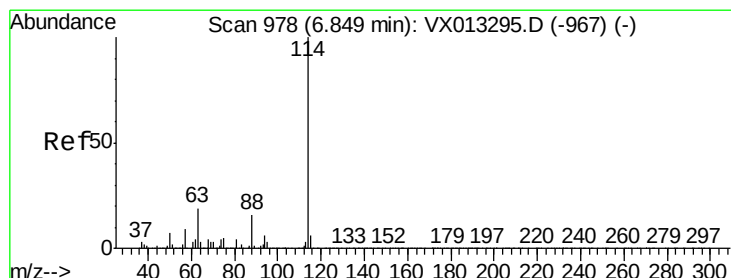
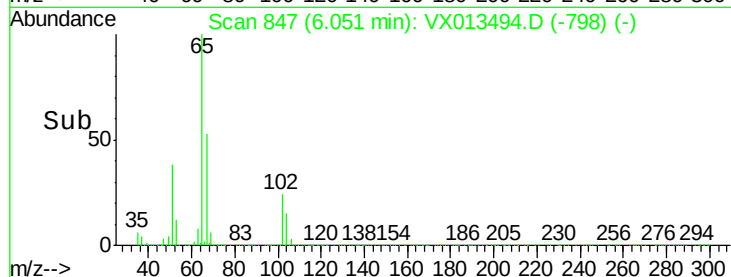
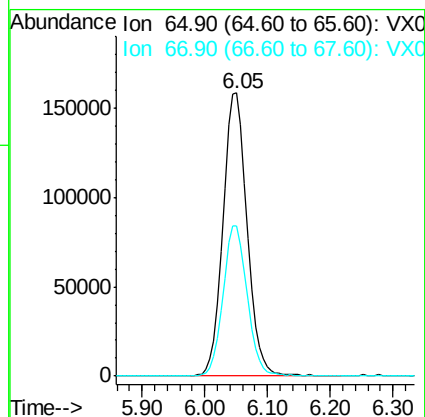
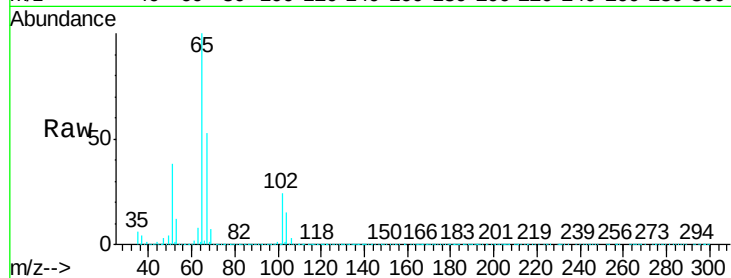
EB-SOIL-111919

Tgt Ion: 65 Resp: 419154

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

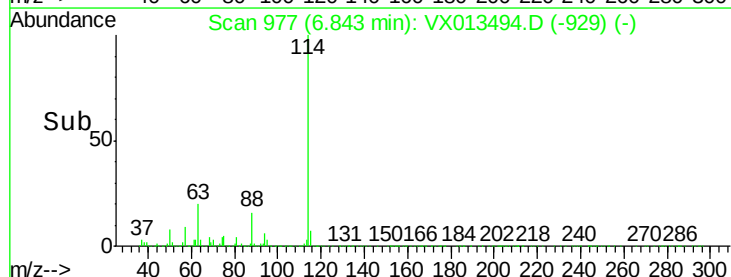
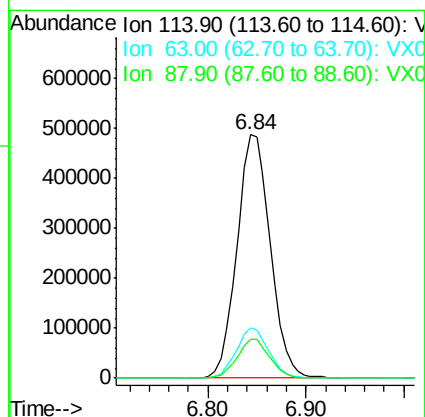
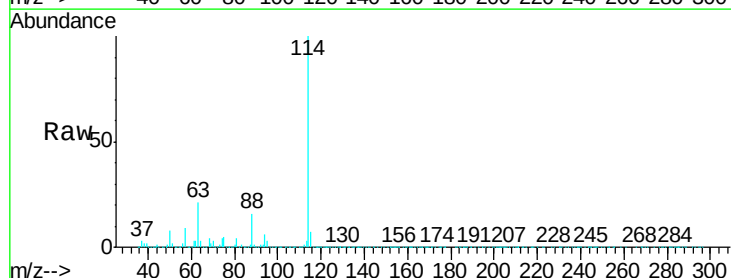
Tgt Ion: 114 Resp: 1151859

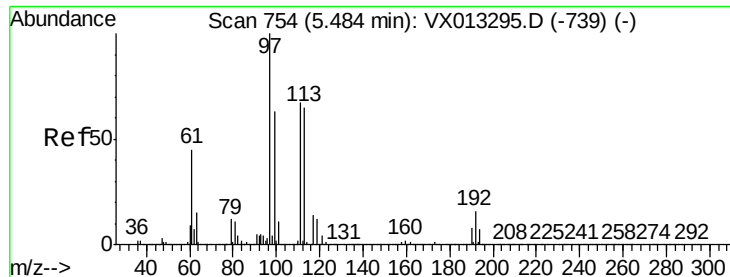
Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

88 15.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.890 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

EB-SOIL-111919

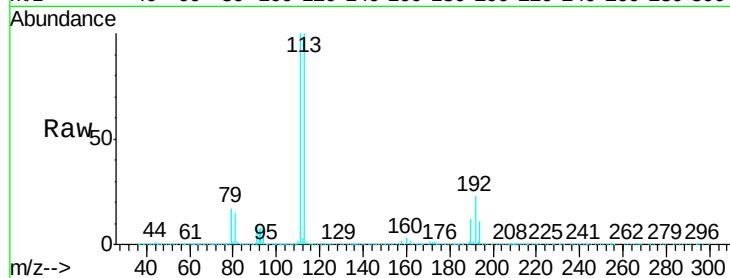
Tgt Ion:113 Resp: 353210

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

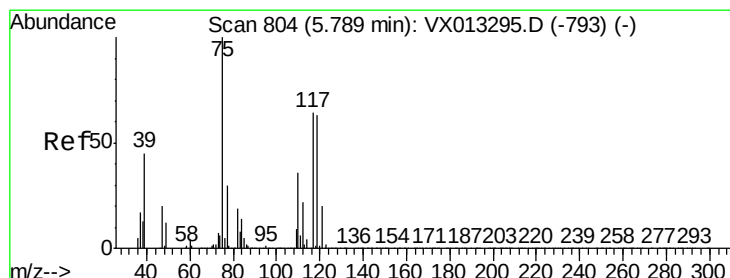
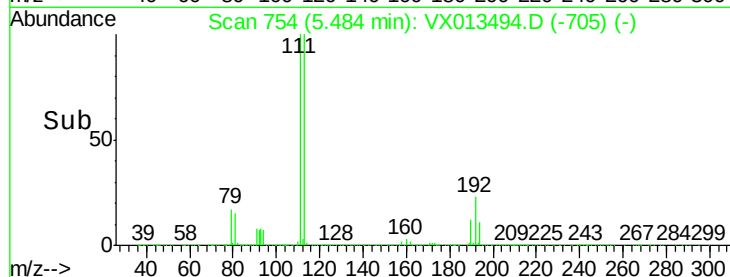
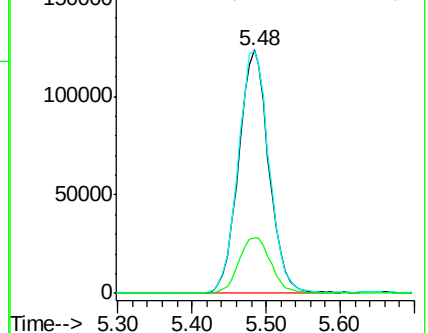
192 24.2 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

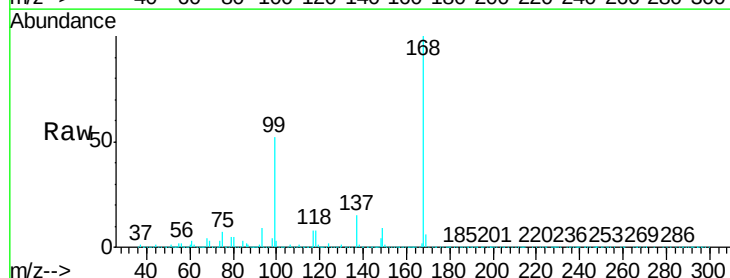
Tgt Ion: 75 Resp: 47441

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

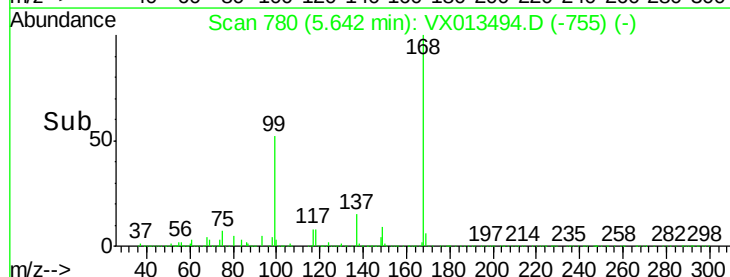
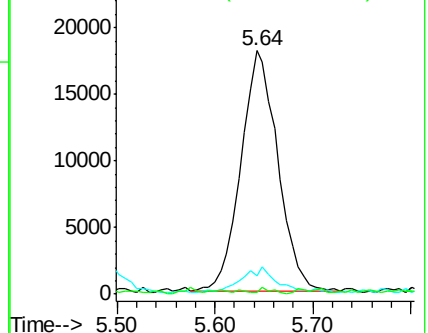
77 1.1 25.0 37.4#

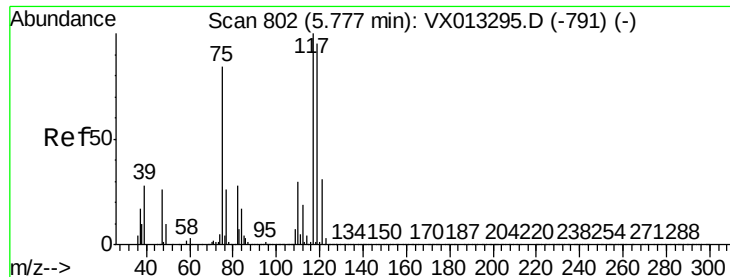


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.328 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

EB-SOIL-111919

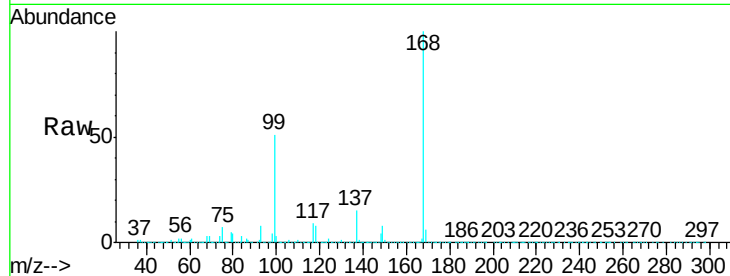
Tgt Ion: 117 Resp: 61147

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

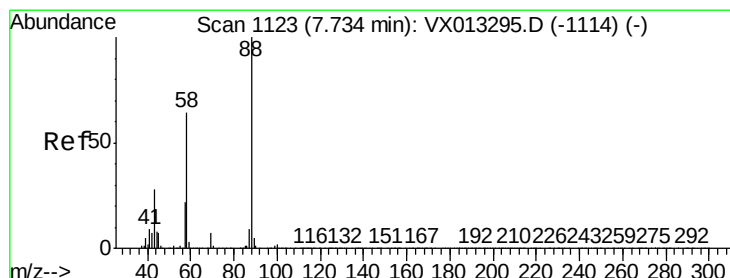
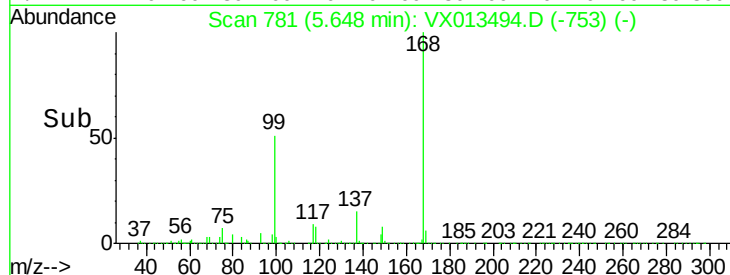
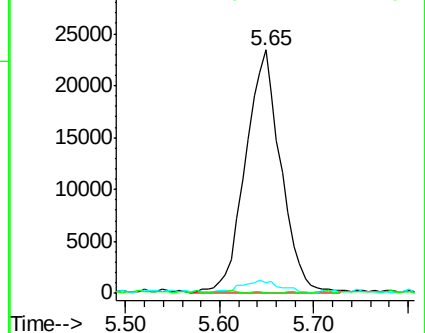
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.432 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

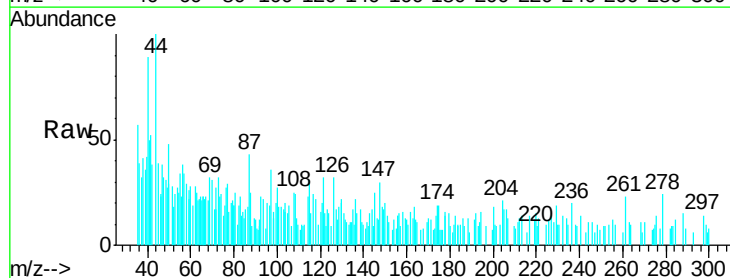
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 297.9 26.6 39.8#

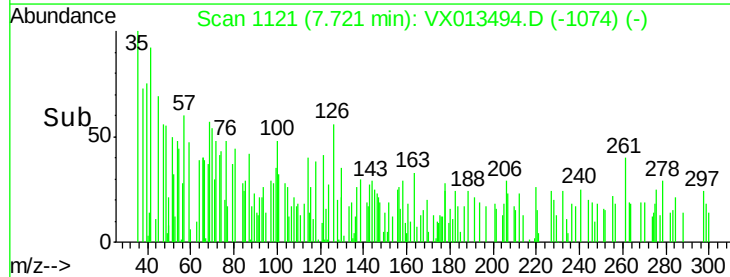
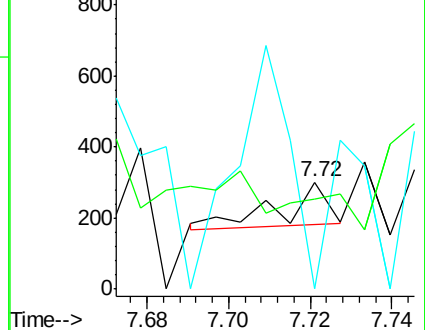
58 0.0 55.0 82.6#

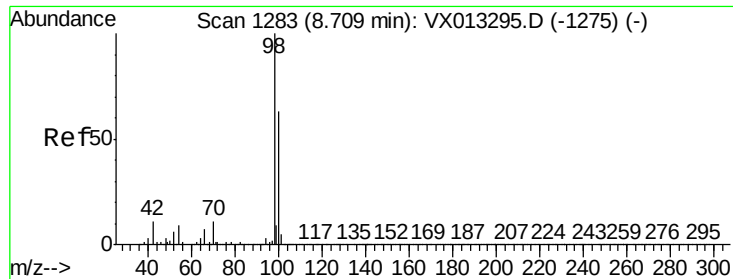


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

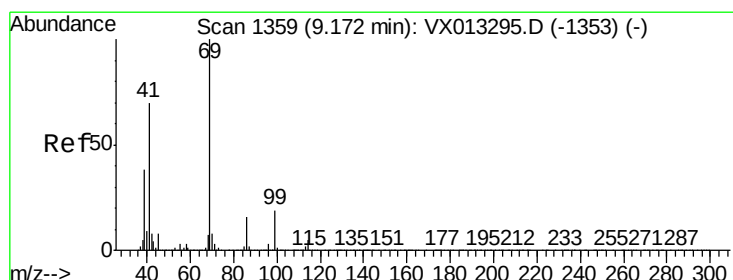
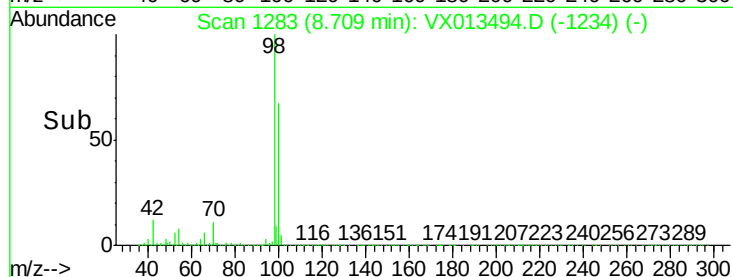
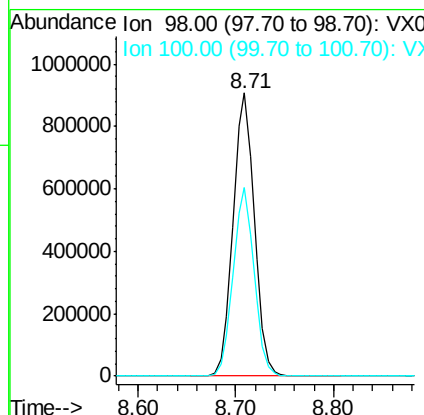
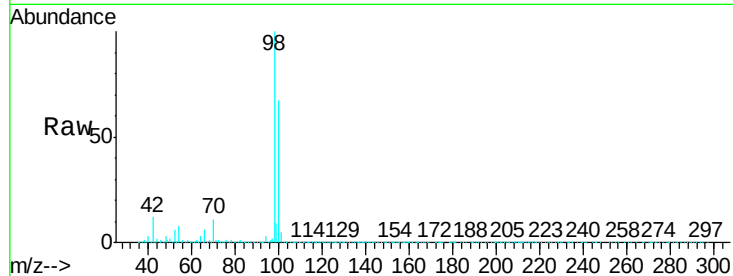




#50
Toluene-d8
Concen: 50.431 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013494.D
Acq: 21 Nov 2019 11:44

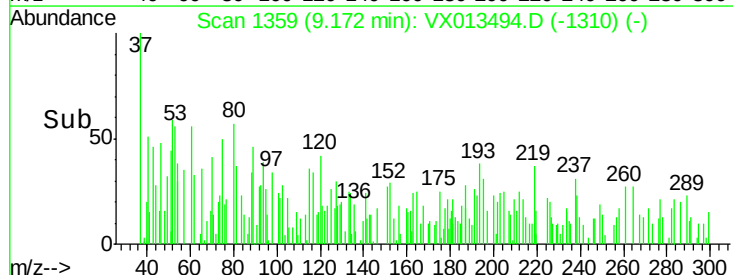
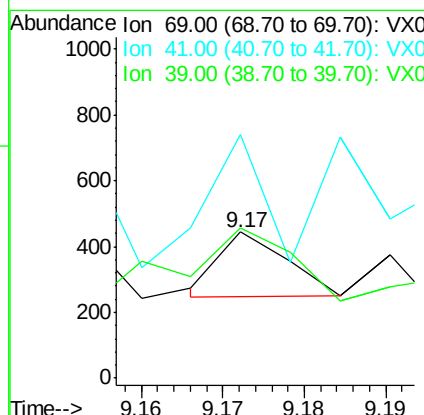
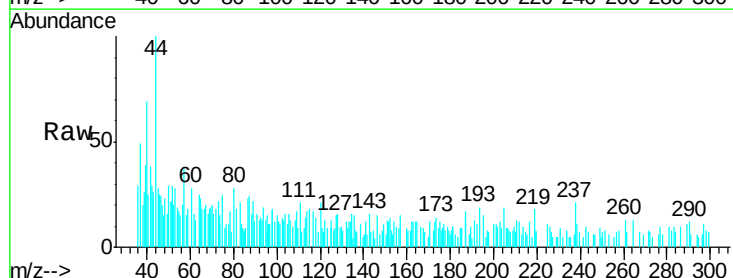
Instrument :
MSVOA_X
ClientSampled :
EB-SOIL-111919

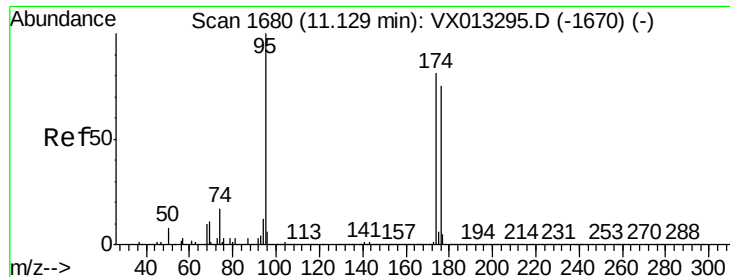
Tgt Ion: 98 Resp: 1373536
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.571 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013494.D
Acq: 21 Nov 2019 11:44

Tgt Ion: 69 Resp: 109
Ion Ratio Lower Upper
69 100
41 131.2 56.2 84.2#
39 781.7 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.741 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

EB-SOIL-111919

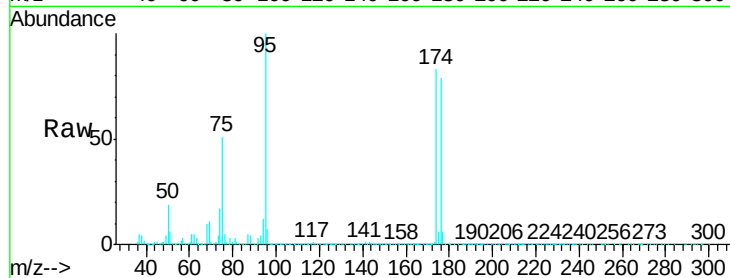
Tgt Ion: 95 Resp: 449621

Ion Ratio Lower Upper

95 100

174 91.4 0.0 179.8

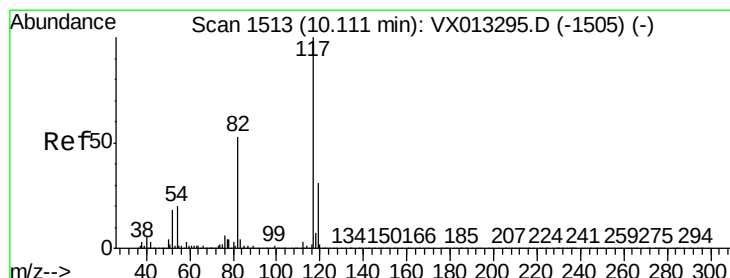
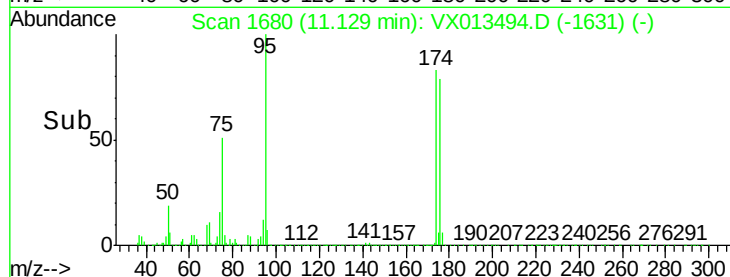
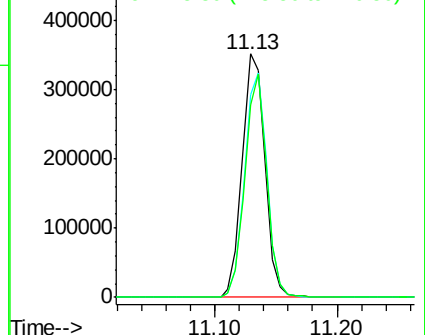
176 88.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

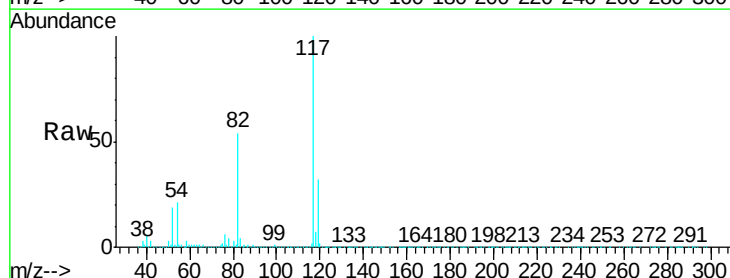
Tgt Ion: 117 Resp: 1025949

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

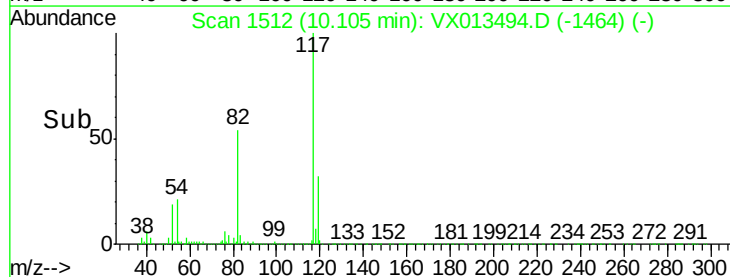
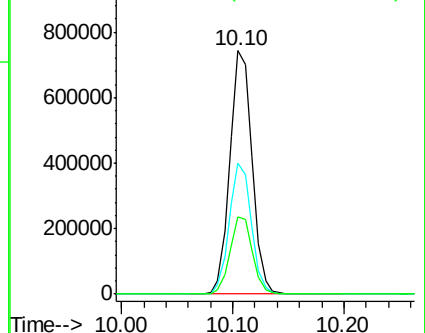
119 31.6 24.8 37.2

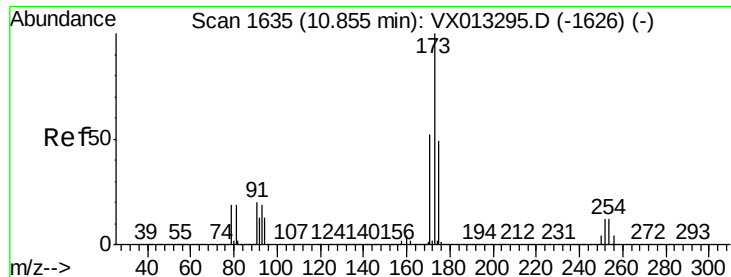


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.355 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

EB-SOIL-111919

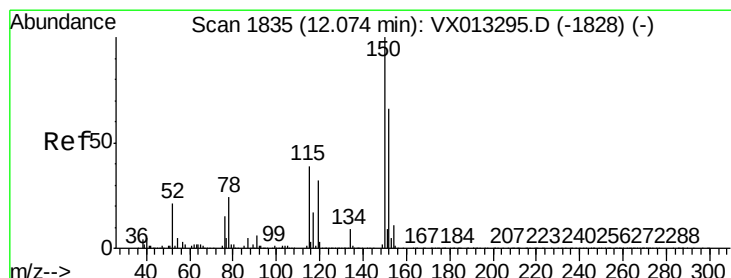
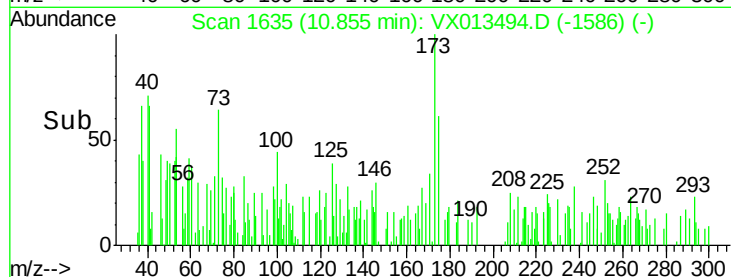
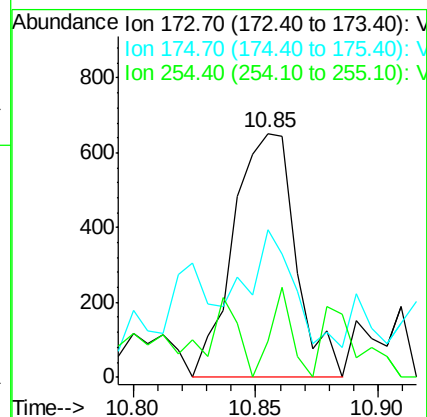
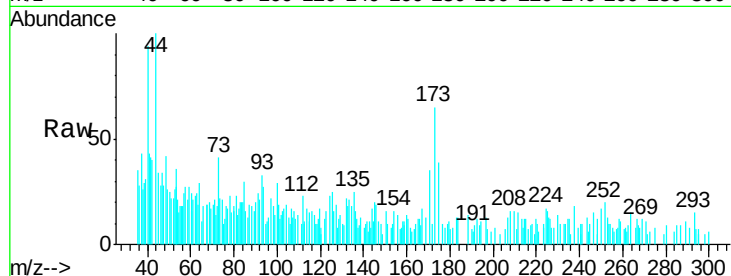
Tgt Ion:173 Resp: 1149

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

254 12.5 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

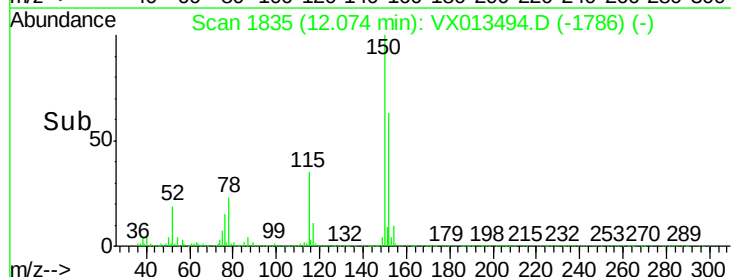
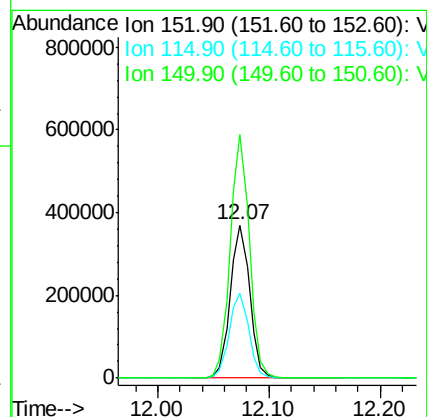
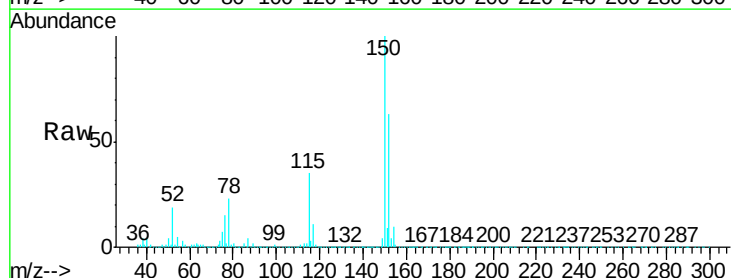
Tgt Ion:152 Resp: 448180

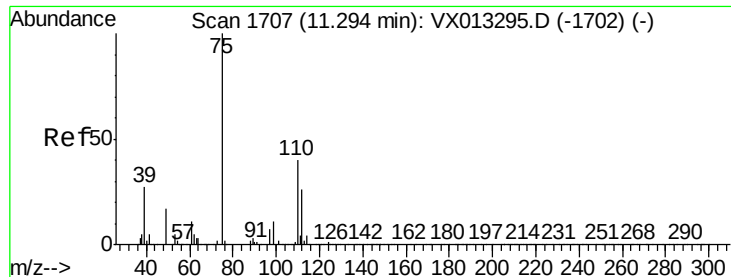
Ion Ratio Lower Upper

152 100

115 55.9 39.5 118.3

150 156.4 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.467 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

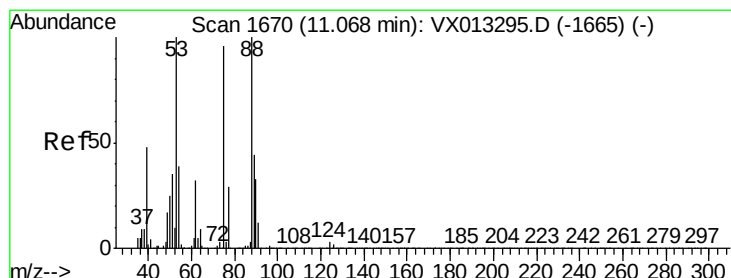
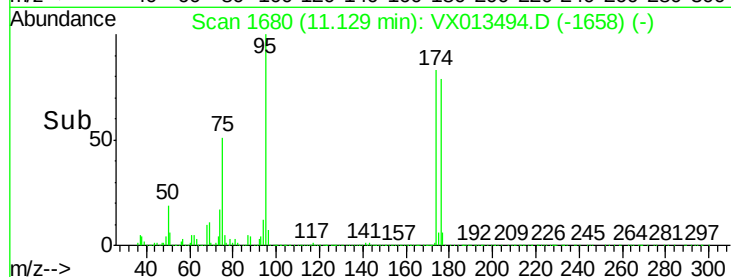
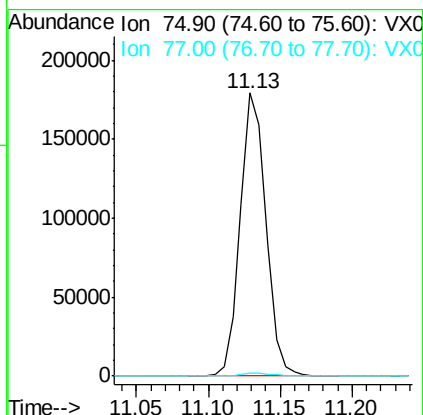
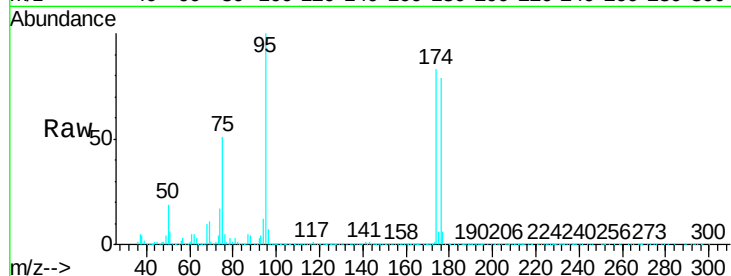
EB-SOIL-111919

Tgt Ion: 75 Resp: 222725

Ion Ratio Lower Upper

75 100

77 1.6 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.977 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013494.D

Acq: 21 Nov 2019 11:44

Tgt Ion: 75 Resp: 222725

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.1 36.0 54.0#

