

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014027.D
 Acq On : 16 Dec 2019 12:07
 Operator : JC/SP
 Sample : K6295-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 17 03:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	612579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	931096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	830547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359035	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	341327	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	278037	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.71	98	1108108	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	368553	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

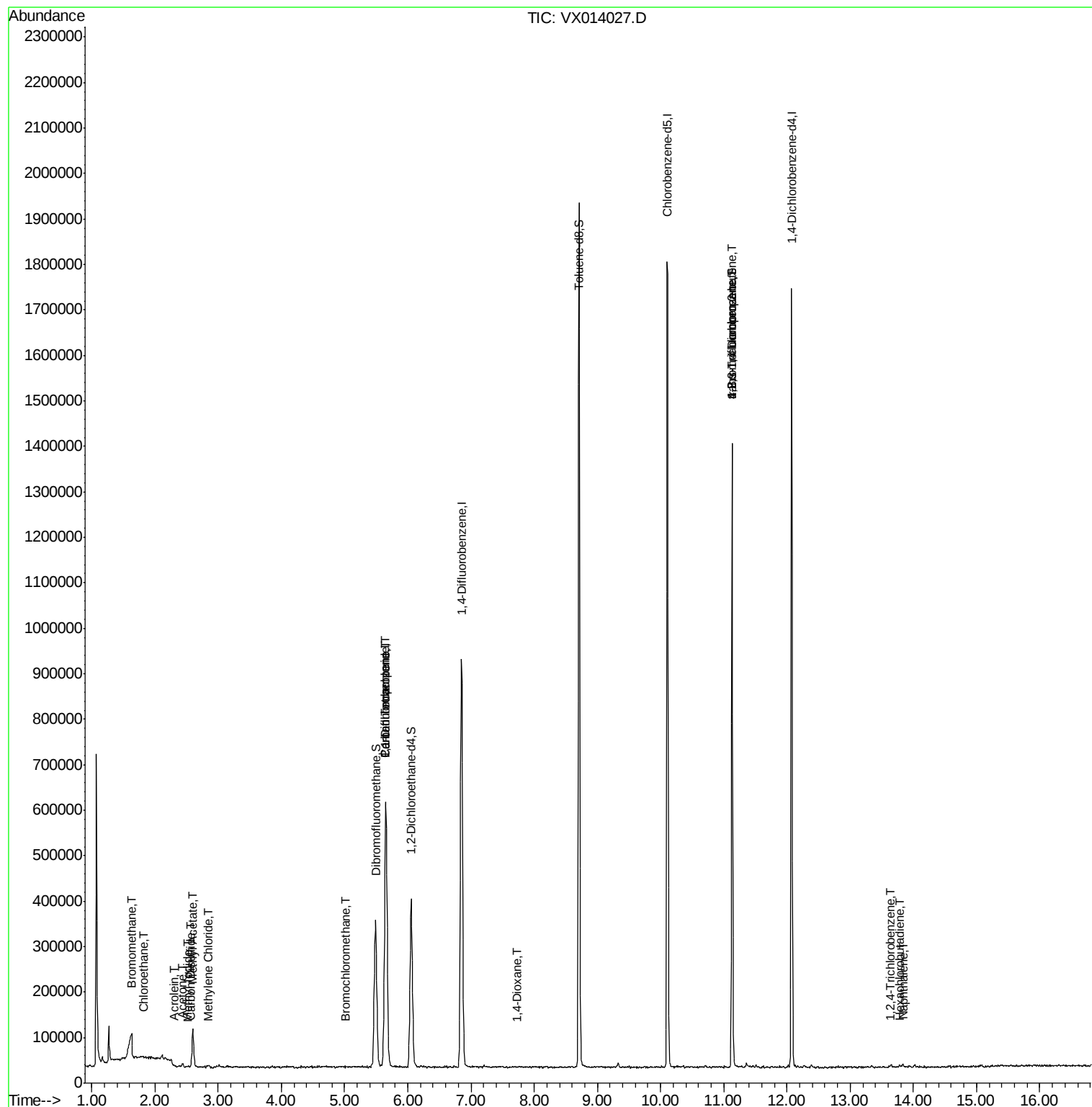
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1938	0.352	ug/l	83
6) Chloroethane	1.81	64	1285	0.268	ug/l #	47
10) Methyl Iodide	2.51	142	1872	2.853	ug/l #	69
13) Acrolein	2.30	56	221	0.257	ug/l #	1
16) Acetone	2.44	43	8159	1.810	ug/l	93
17) Carbon Disulfide	2.56	76	4315	1.010	ug/l #	75
18) Methyl Acetate	2.60	43	24346	2.726	ug/l #	53
20) Methylene Chloride	2.85	84	2326	0.328	ug/l #	85
28) Bromochloromethane	5.01	49	1398	0.763	ug/l #	25
36) 1,1-Dichloropropene	5.65	75	42055	4.923	ug/l #	51
38) Carbon Tetrachloride	5.65	117	53745	6.906	ug/l #	16
49) 1,4-Dioxane	7.73	88	281	1.806	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	178575	22.910	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	178575	64.664	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	1960	0.246	ug/l #	69
94) Hexachlorobutadiene	13.78	225	879	0.229	ug/l	82
95) Naphthalene	13.84	128	4782	0.204	ug/l #	71

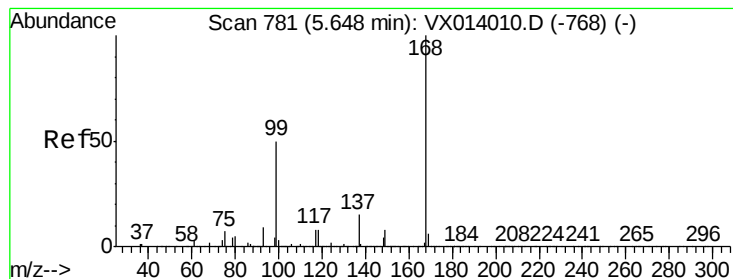
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121619\
Data File : VX014027.D
Acq On : 16 Dec 2019 12:07
Operator : JC/SP
Sample : K6295-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 17 03:26:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

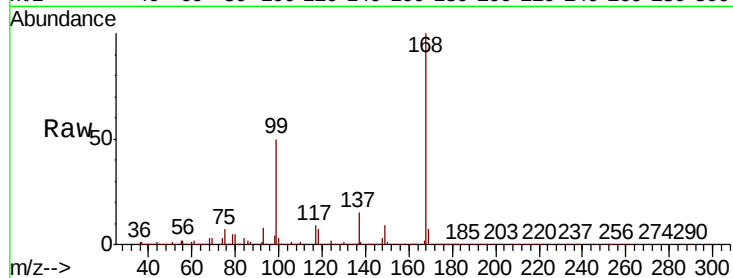
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 612579

Ion Ratio Lower Upper

168 100

99 49.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

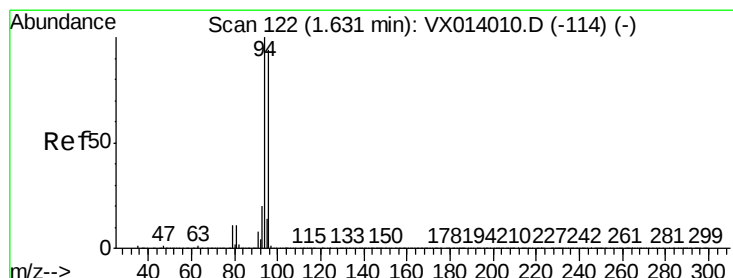
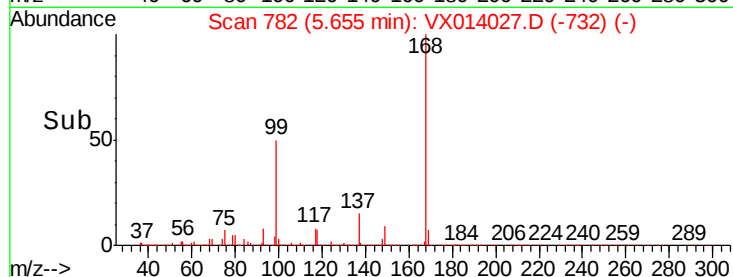
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014027.D

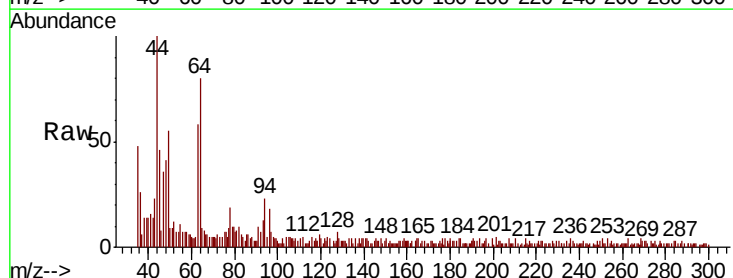
Acq: 16 Dec 2019 12:07

Tgt Ion: 94 Resp: 1938

Ion Ratio Lower Upper

94 100

96 77.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1500

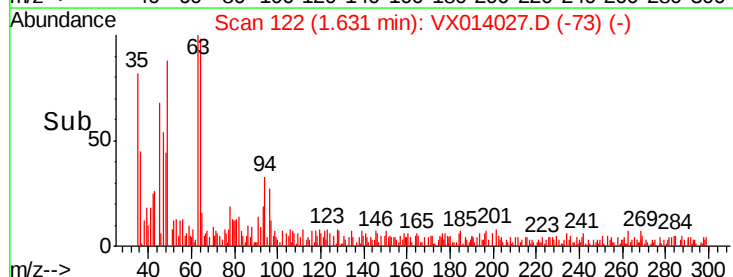
1000

500

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.268 ug/l

RT: 1.81 min Scan# 152

Delta R.T. 0.11 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

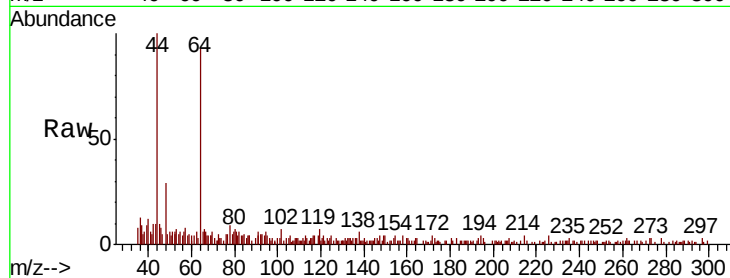
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 1285

Ion Ratio Lower Upper

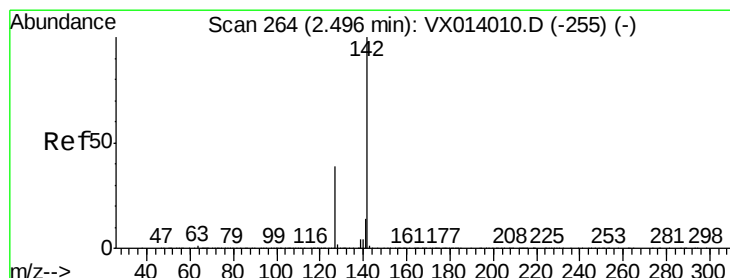
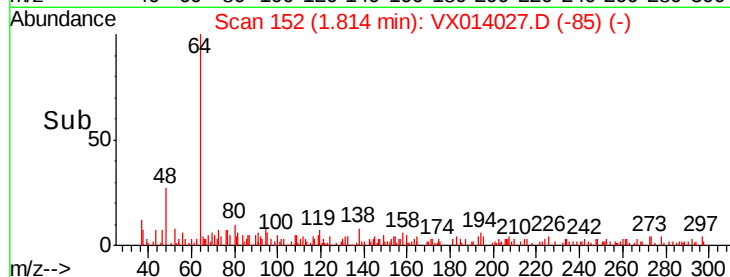
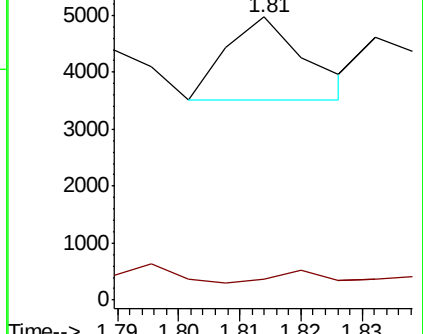
64 100

66 0.8 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.853 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

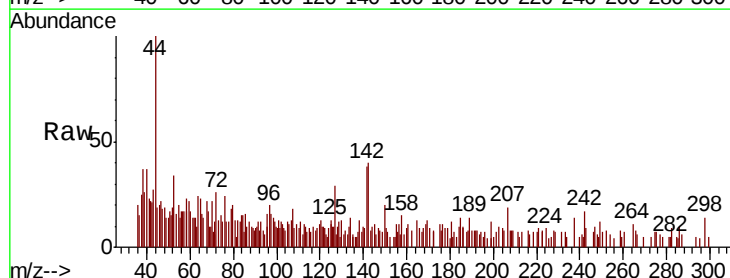
Tgt Ion: 142 Resp: 1872

Ion Ratio Lower Upper

142 100

127 13.6 31.6 47.4#

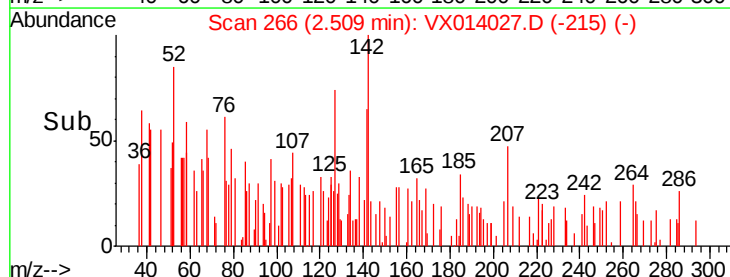
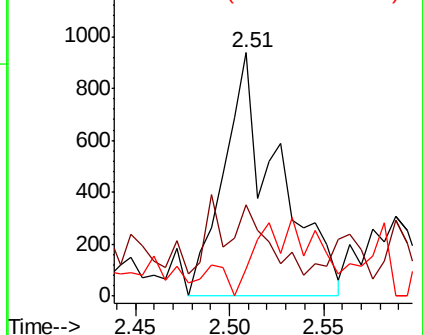
141 15.1 11.6 17.4

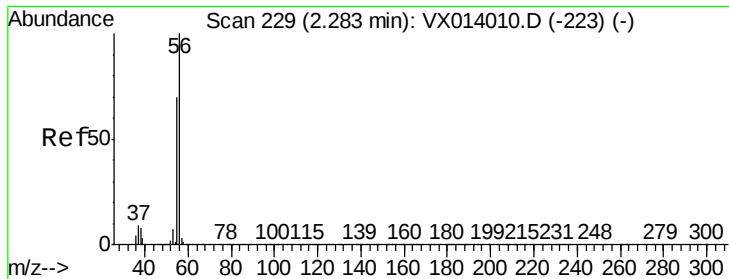


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.257 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

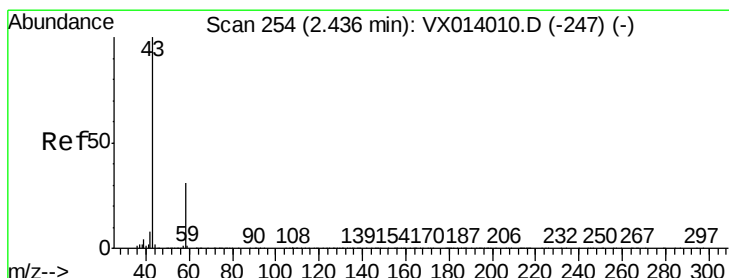
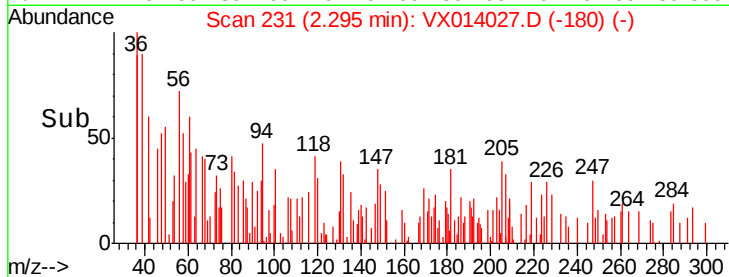
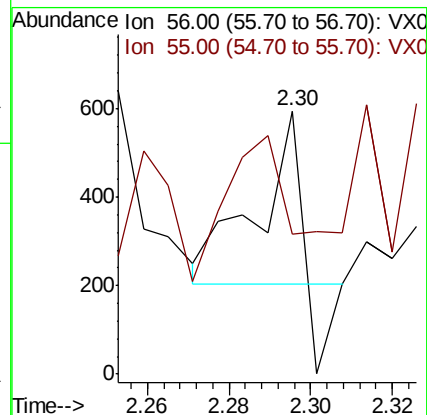
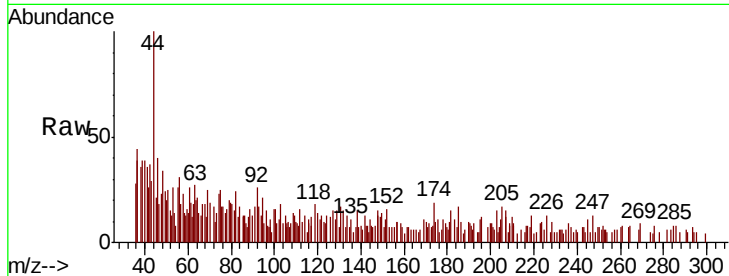
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 181.4 56.9 85.3#



#16

Acetone

Concen: 1.810 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014027.D

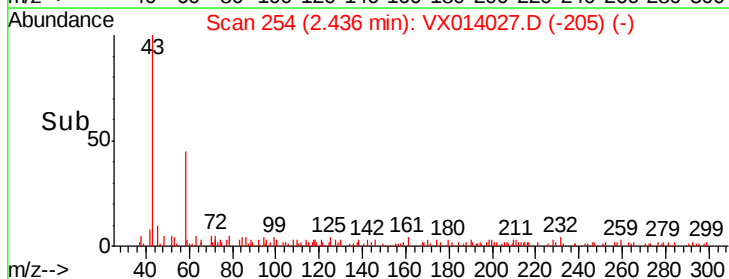
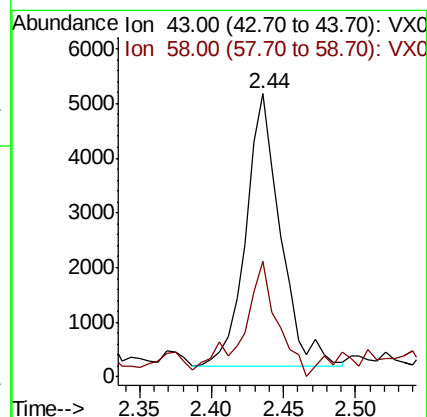
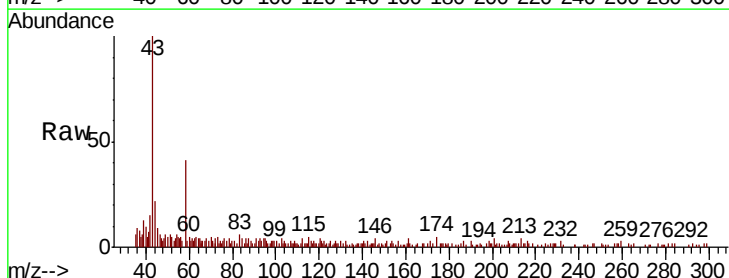
Acq: 16 Dec 2019 12:07

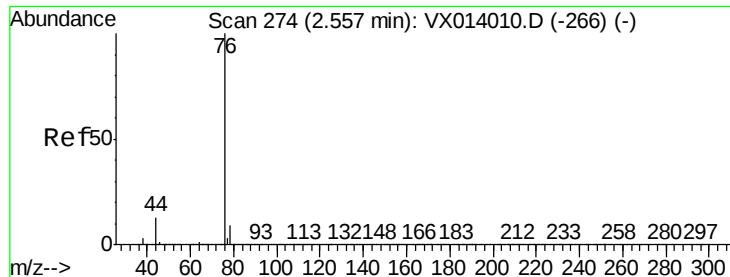
Tgt Ion: 43 Resp: 8159

Ion Ratio Lower Upper

43 100

58 35.0 24.9 37.3

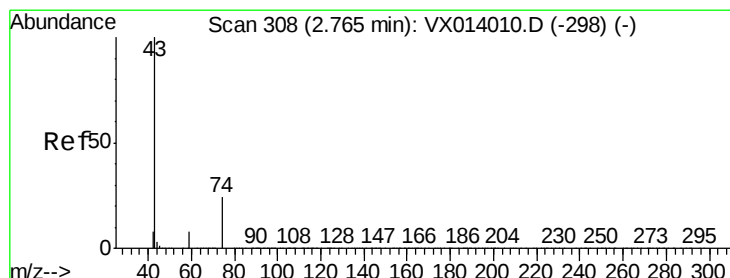
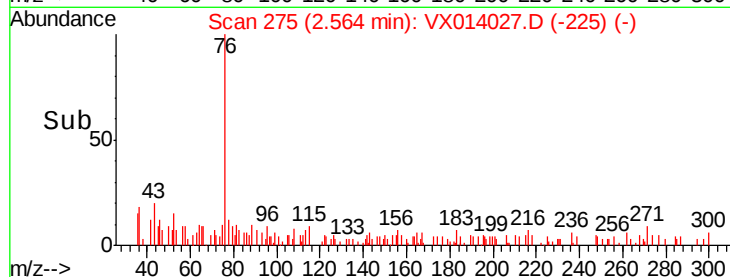
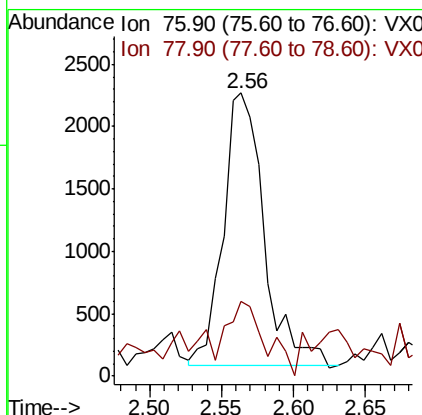
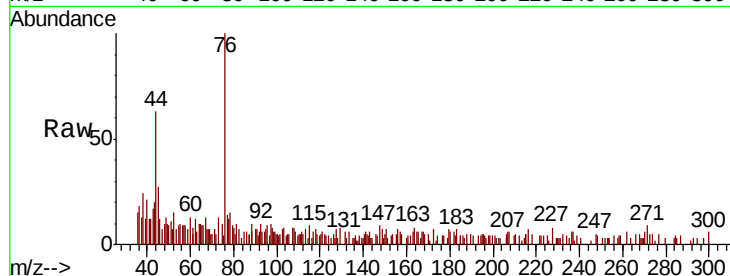




#17
Carbon Disulfide
Concen: 1.010 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

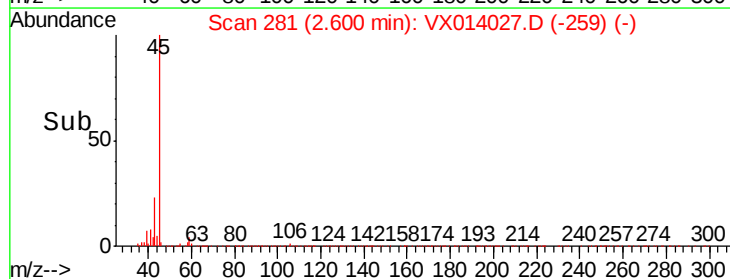
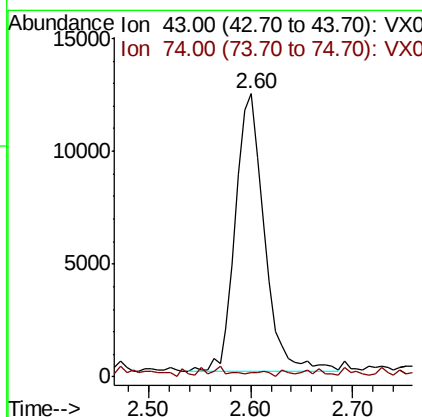
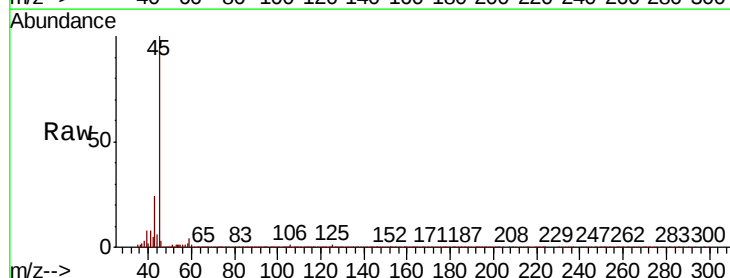
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

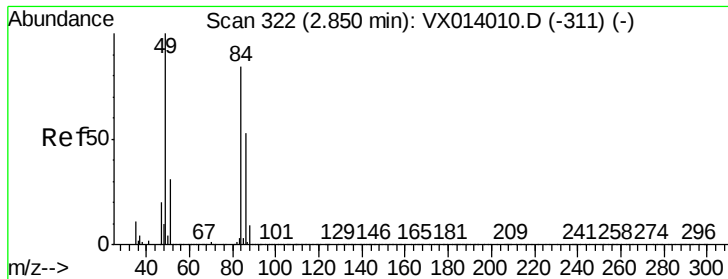
Tot Ion: 76 Resp: 4315
Ion Ratio Lower Upper
76 100
78 18.1 7.2 10.8#



#18
Methyl Acetate
Concen: 2.726 ug/l
RT: 2.60 min Scan# 281
Delta R.T. -0.16 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

Tgt Ion: 43 Resp: 24346
Ion Ratio Lower Upper
43 100
74 1.3 19.5 29.3#

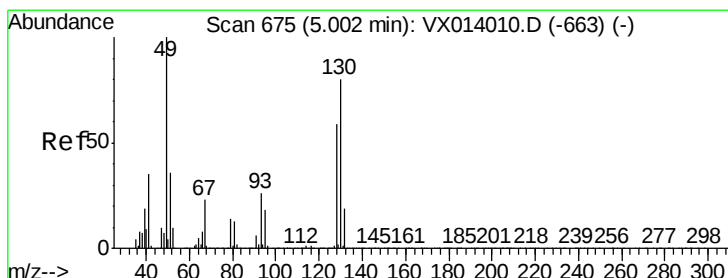
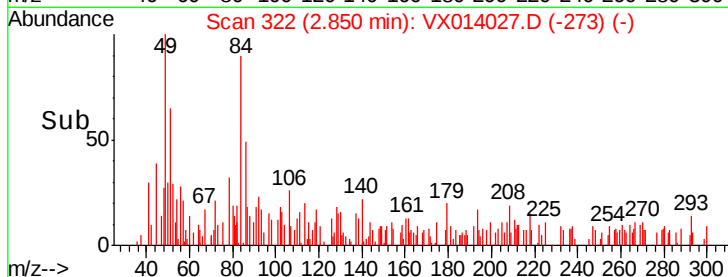
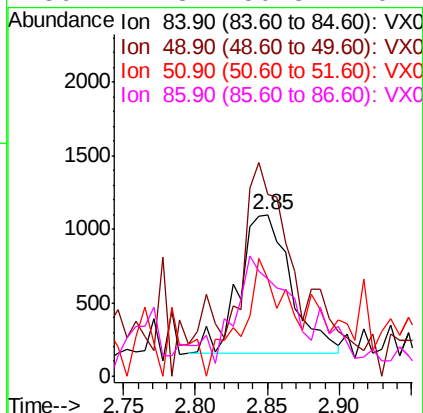
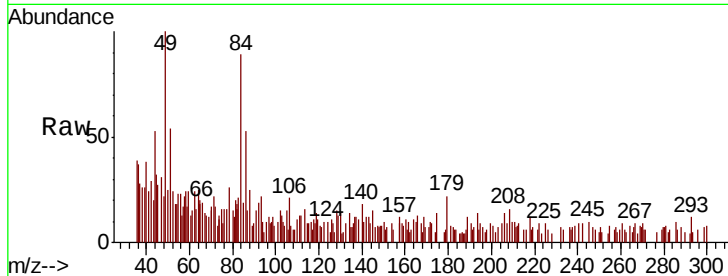




#20
Methvlene Chloride
Concen: 0.328 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

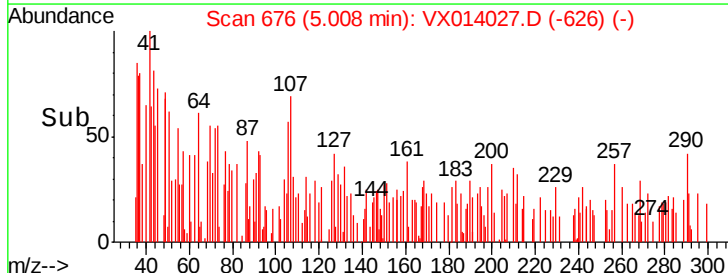
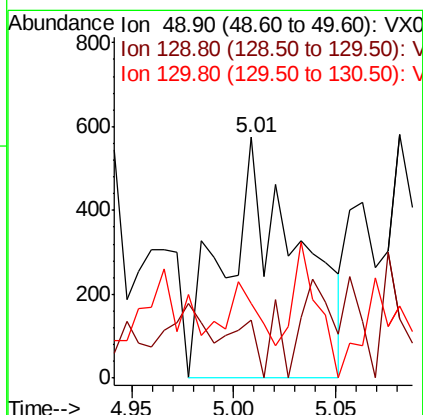
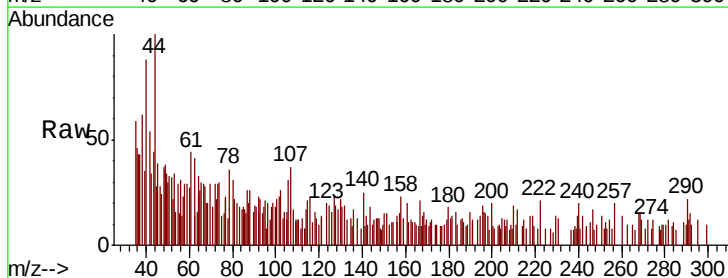
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

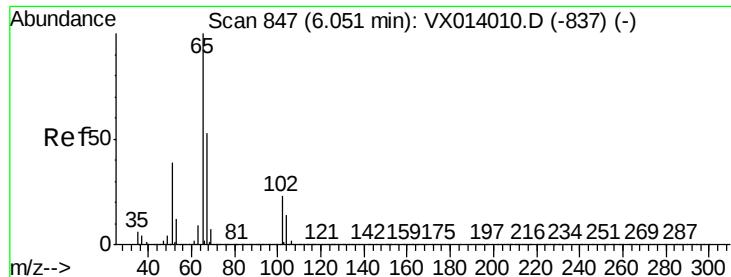
Tot Ion: 84 Resp: 2326
Ion Ratio Lower Upper
84 100
49 107.3 95.8 143.6
51 47.0 29.8 44.8#
86 47.3 50.8 76.2#



#28
Bromochloromethane
Concen: 0.763 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

Tgt Ion: 49 Resp: 1398
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 12.6 64.6 97.0#

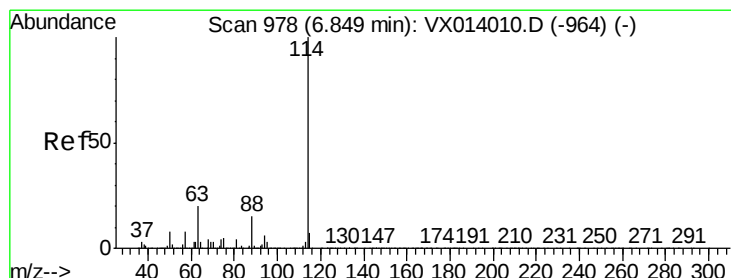
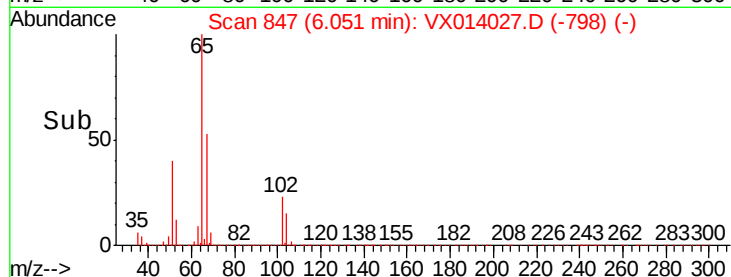
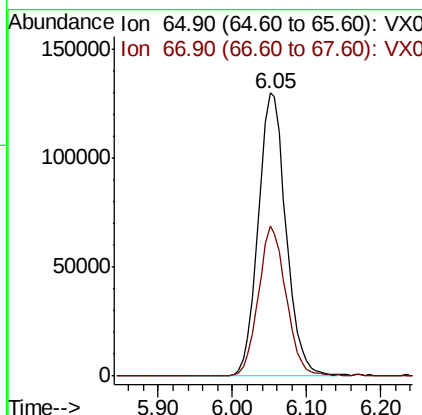
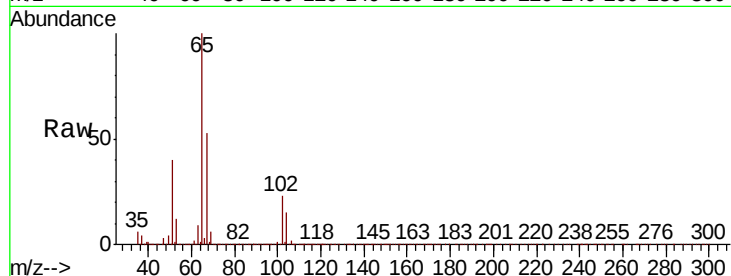




#33
 1,2-Dichloroethane-d4
 Concen: 49.163 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014027.D
 Acq: 16 Dec 2019 12:07

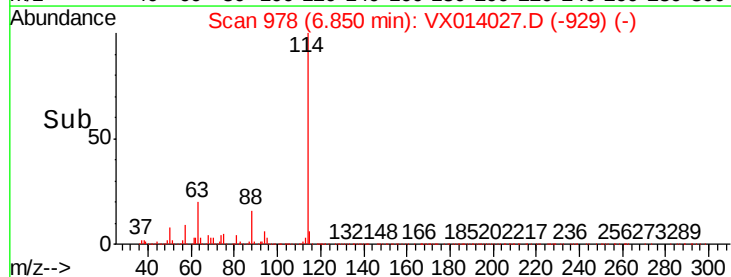
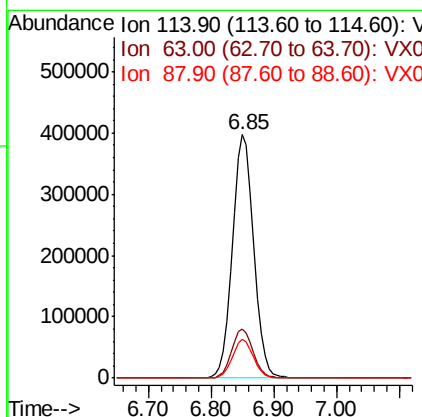
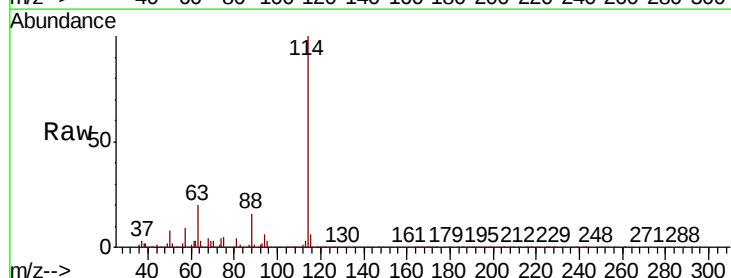
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

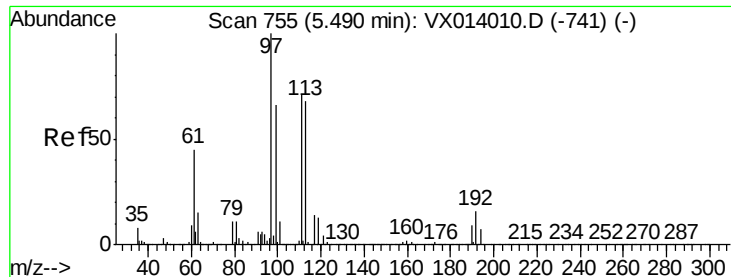
Tot Ion: 65 Resp: 341327
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014027.D
 Acq: 16 Dec 2019 12:07

Tgt Ion: 114 Resp: 931096
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 15.8 0.0 30.4

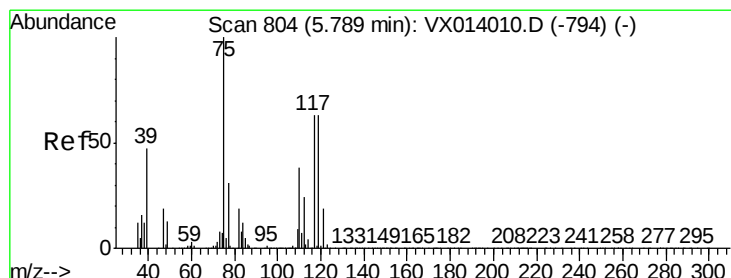
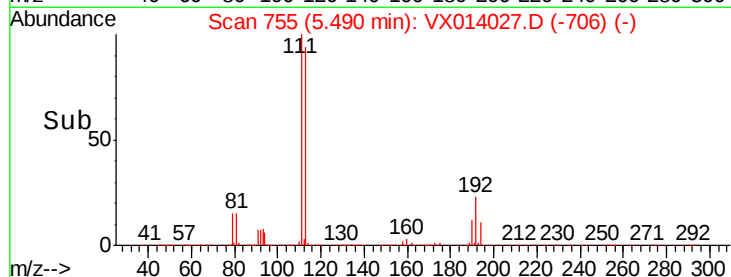
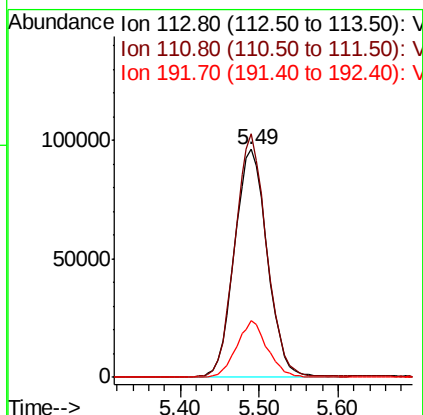
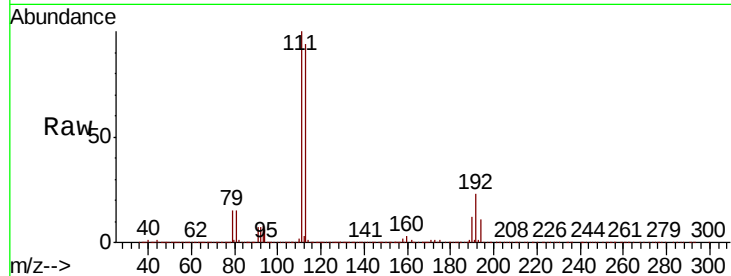




#35
 Dibromofluoromethane
 Concen: 49.123 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014027.D
 Acq: 16 Dec 2019 12:07

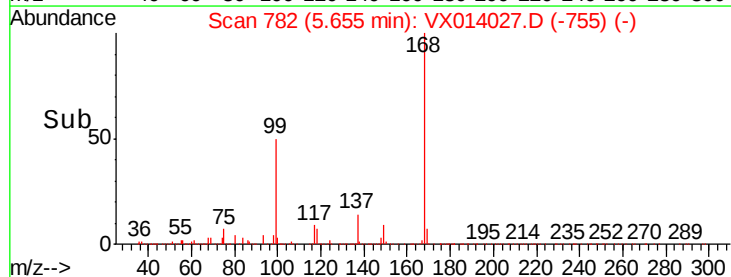
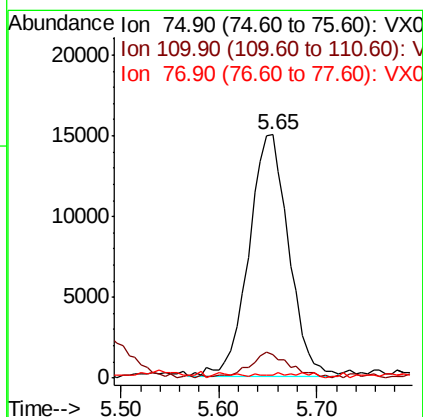
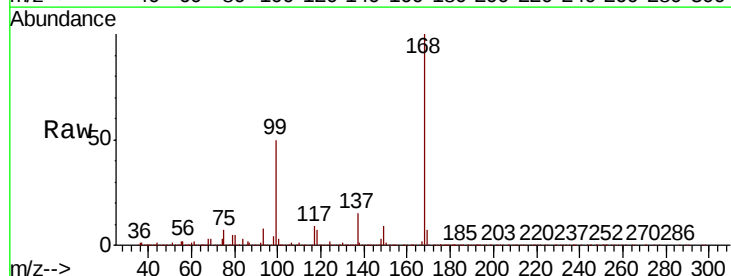
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

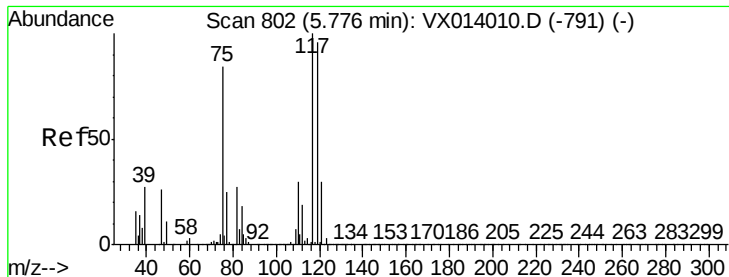
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	23.4	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014027.D
 Acq: 16 Dec 2019 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.3	54.9#
77	0.4	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.906 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

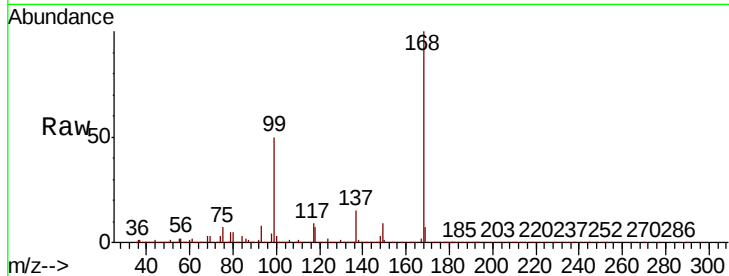
Tot Ion:117 Resp: 53745

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.4#

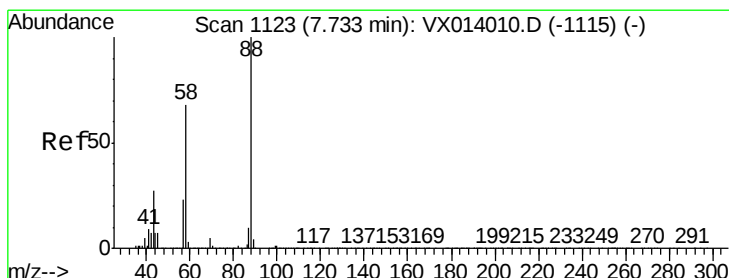
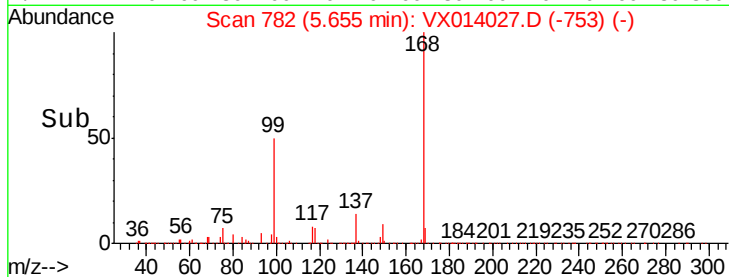
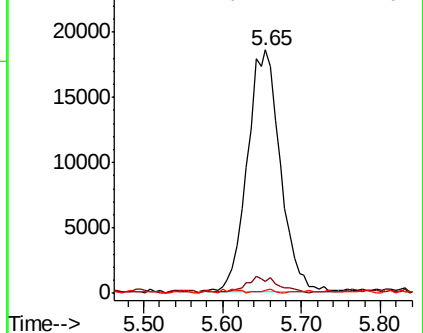
121 0.2 23.6 35.4#



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: 1.806 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

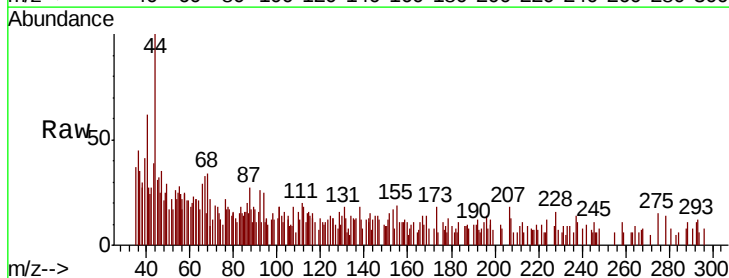
Tgt Ion: 88 Resp: 281

Ion Ratio Lower Upper

88 100

43 169.4 26.5 39.7#

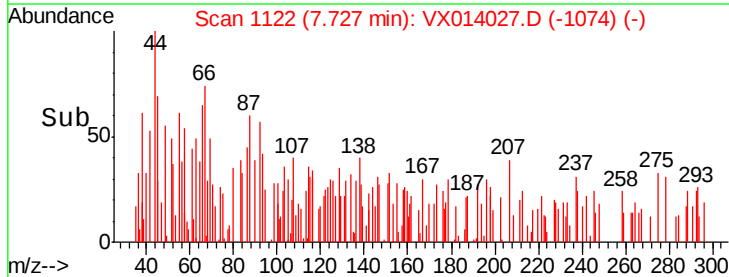
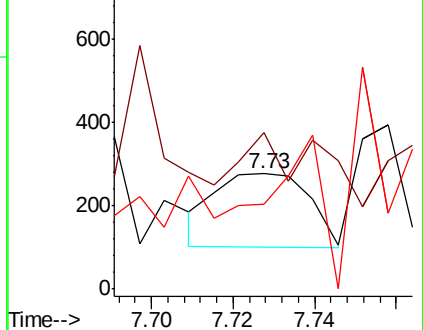
58 109.6 56.8 85.2#

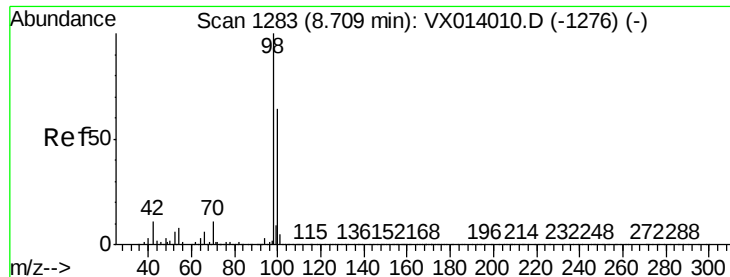


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.286 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

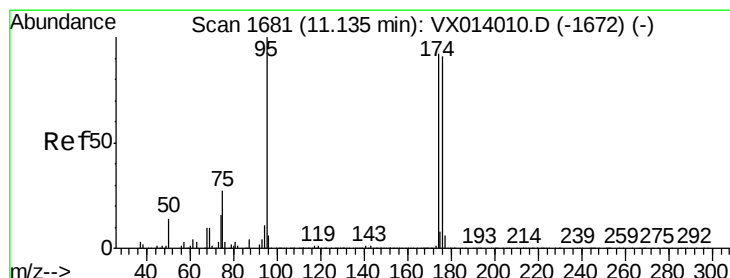
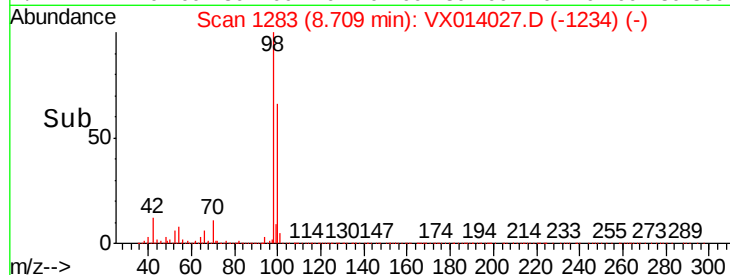
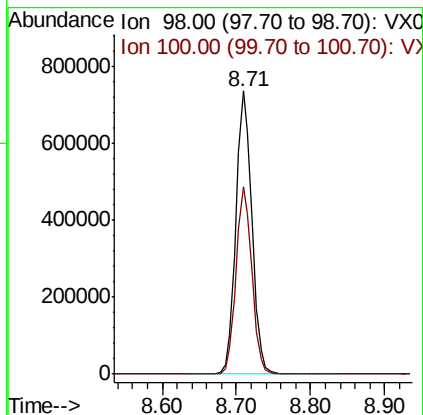
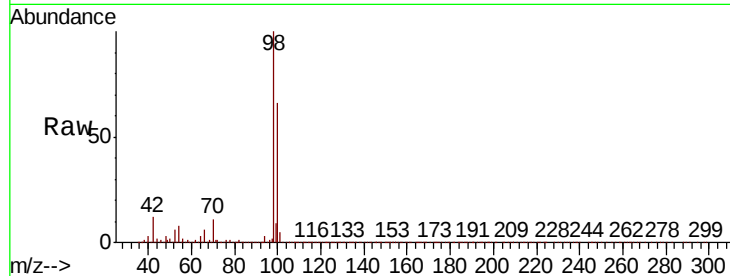
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 1108108

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.754 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

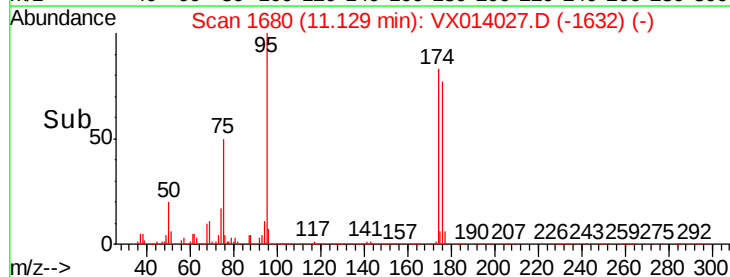
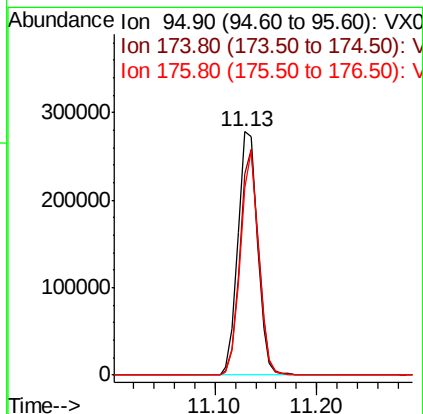
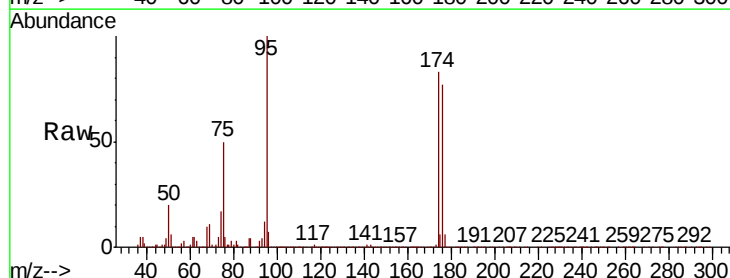
Tgt Ion: 95 Resp: 368553

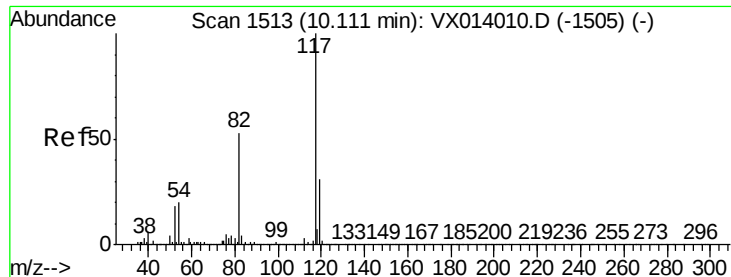
Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.8

176 85.0 0.0 173.0

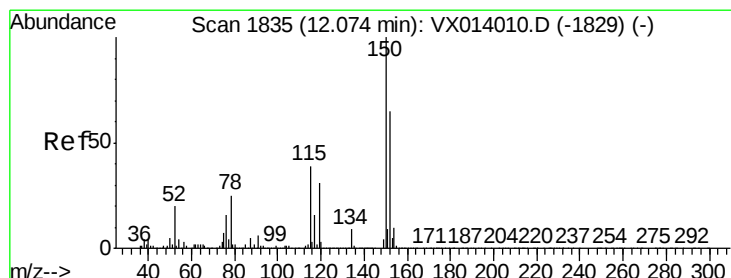
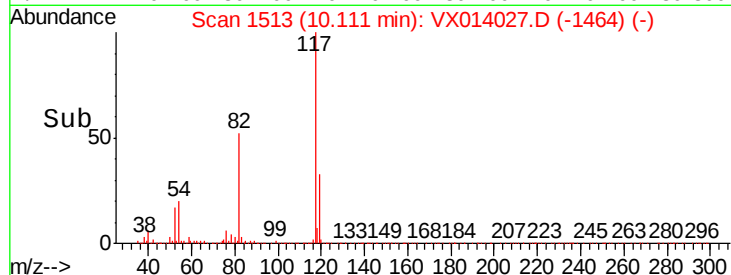
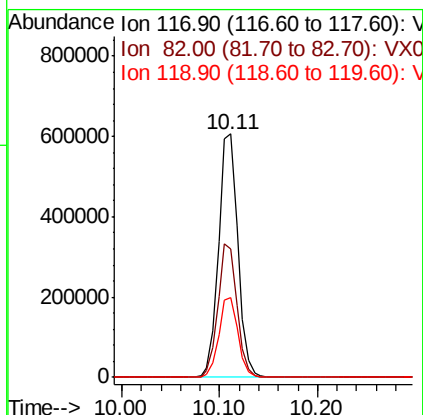
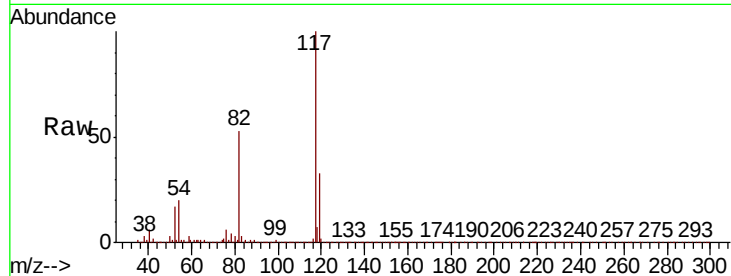




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

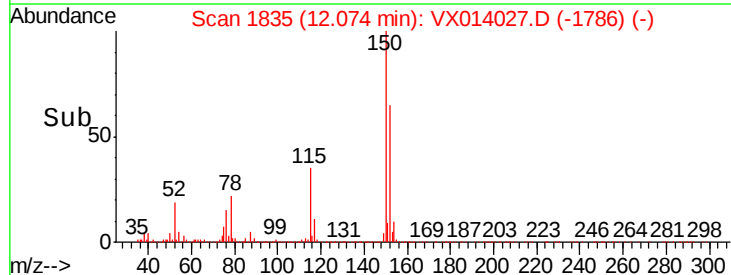
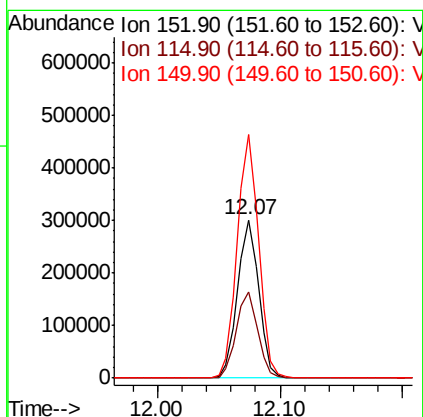
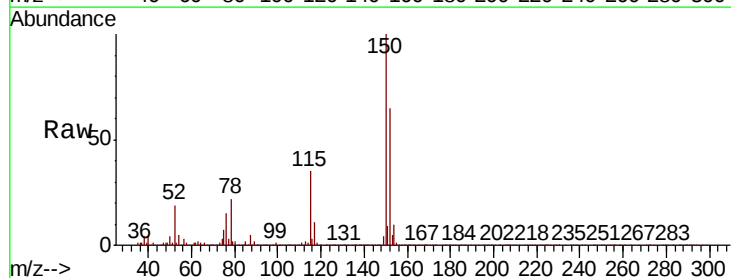
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

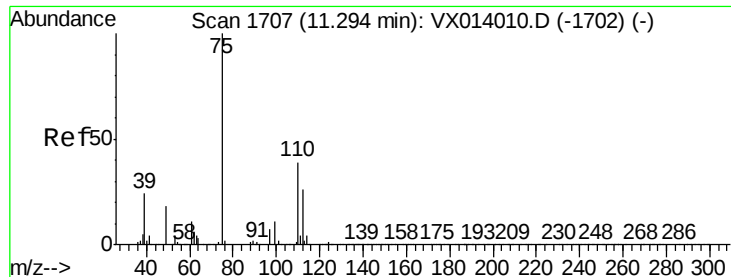
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.2	63.4
119	32.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.3	114.9
150	155.0	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.910 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

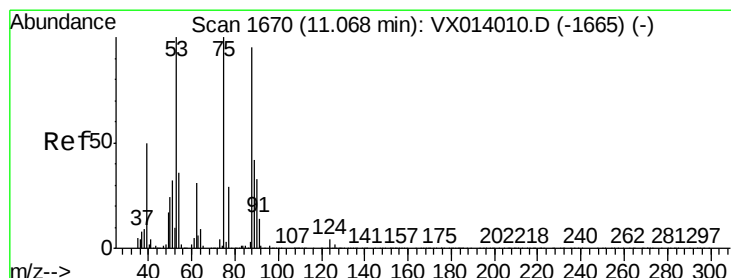
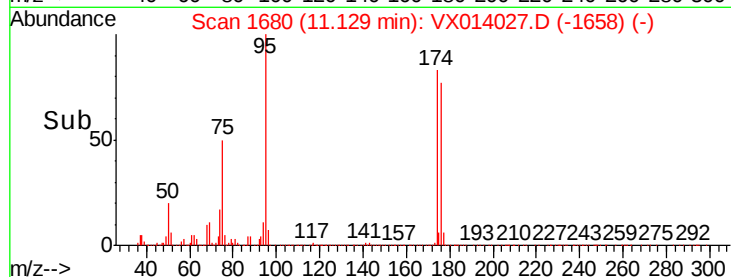
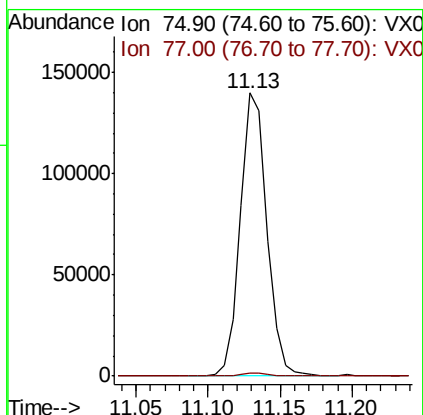
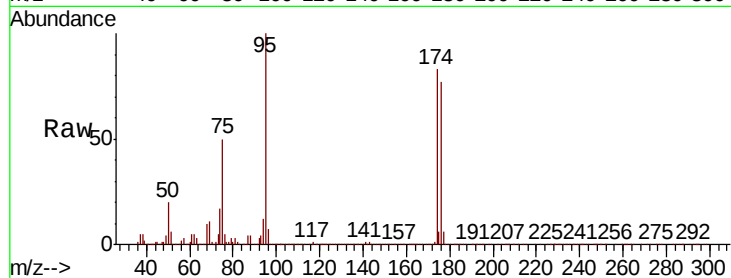
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 178575

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.664 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

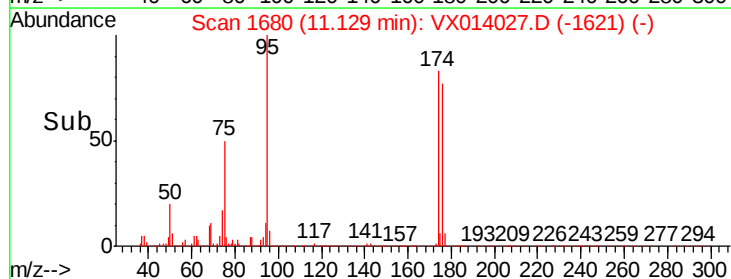
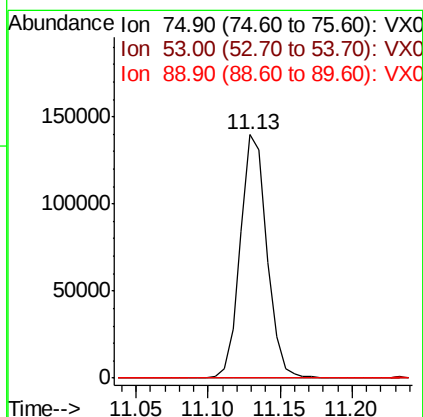
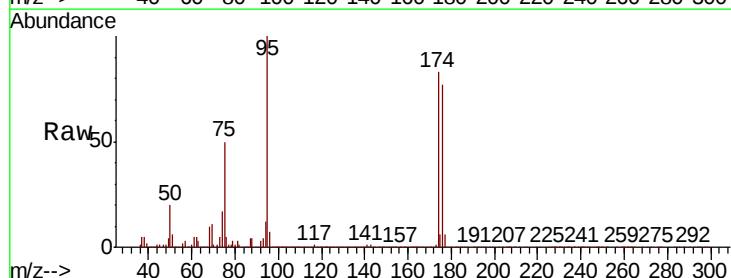
Tgt Ion: 75 Resp: 178575

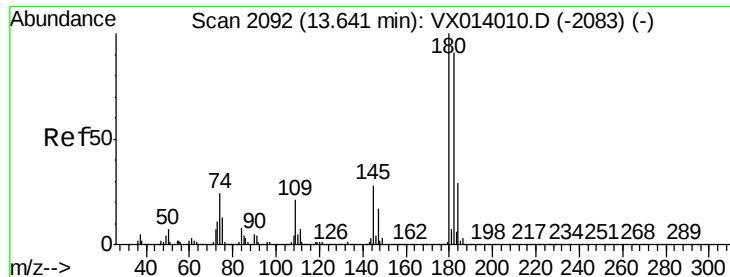
Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.2 34.6 51.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.246 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

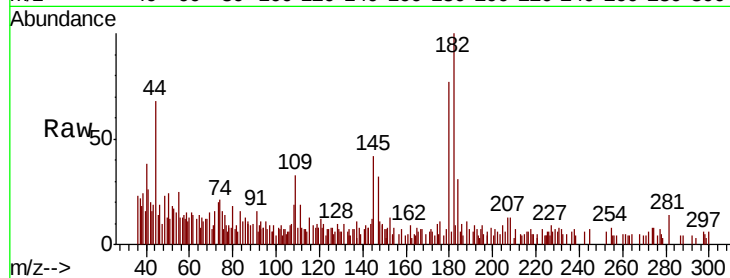
Tot Ion:180 Resp: 1960

Ion Ratio Lower Upper

180 100

182 111.4 46.6 139.8

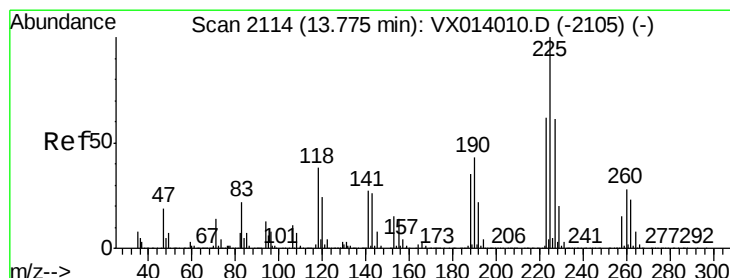
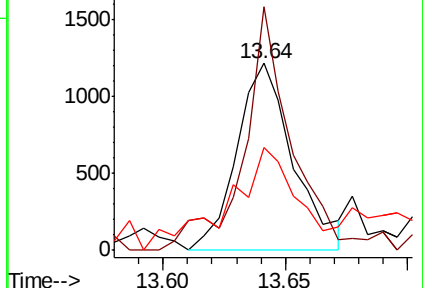
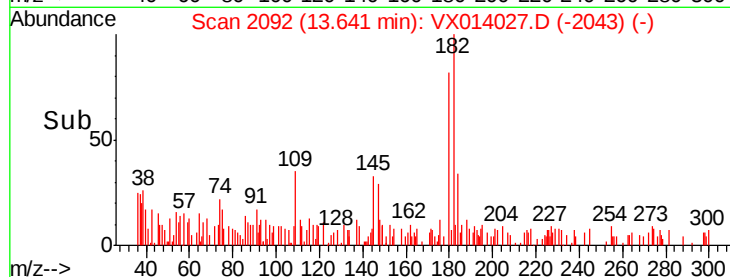
145 66.2 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.229 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX014027.D

Acq: 16 Dec 2019 12:07

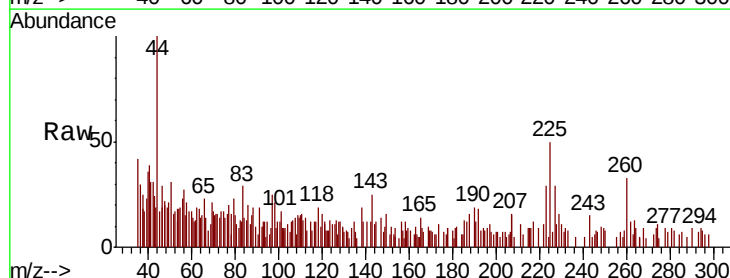
Tgt Ion:225 Resp: 879

Ion Ratio Lower Upper

225 100

223 75.8 30.9 92.5

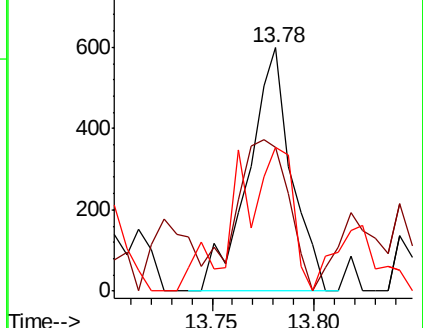
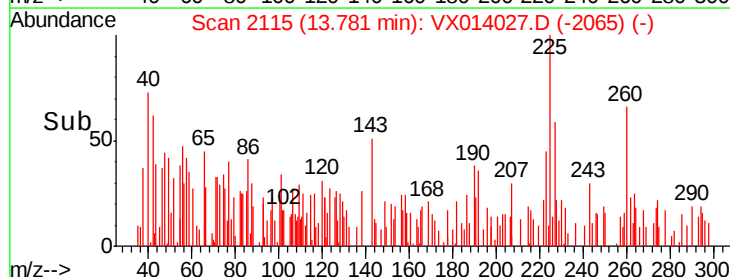
227 75.8 30.9 92.7

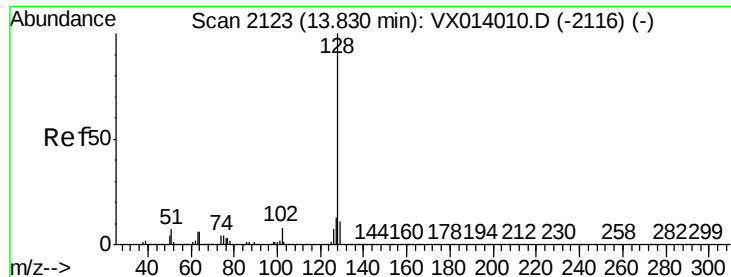


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

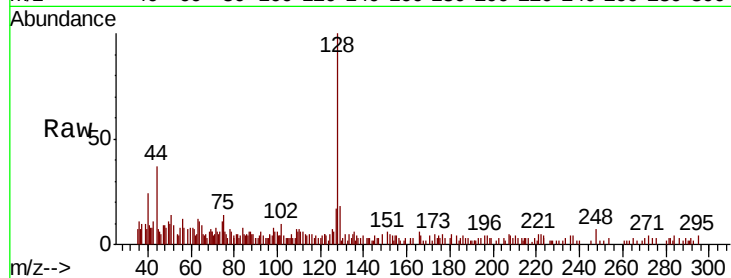




#95
Naphthalene
Concen: 0.204 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX014027.D
Acq: 16 Dec 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion	Ratio	Lower	Upper
128	100		
127	26.1	10.2	15.4#
129	19.4	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

