

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013747.D
 Acq On : 04 Dec 2019 14:20
 Operator : JC/SP
 Sample : K6095-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 05 00:55:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	683835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1034083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	910289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	403734	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	365683	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
35) Dibromofluoromethane	5.49	113	307770	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.71	98	1205243	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.14	95	408986	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

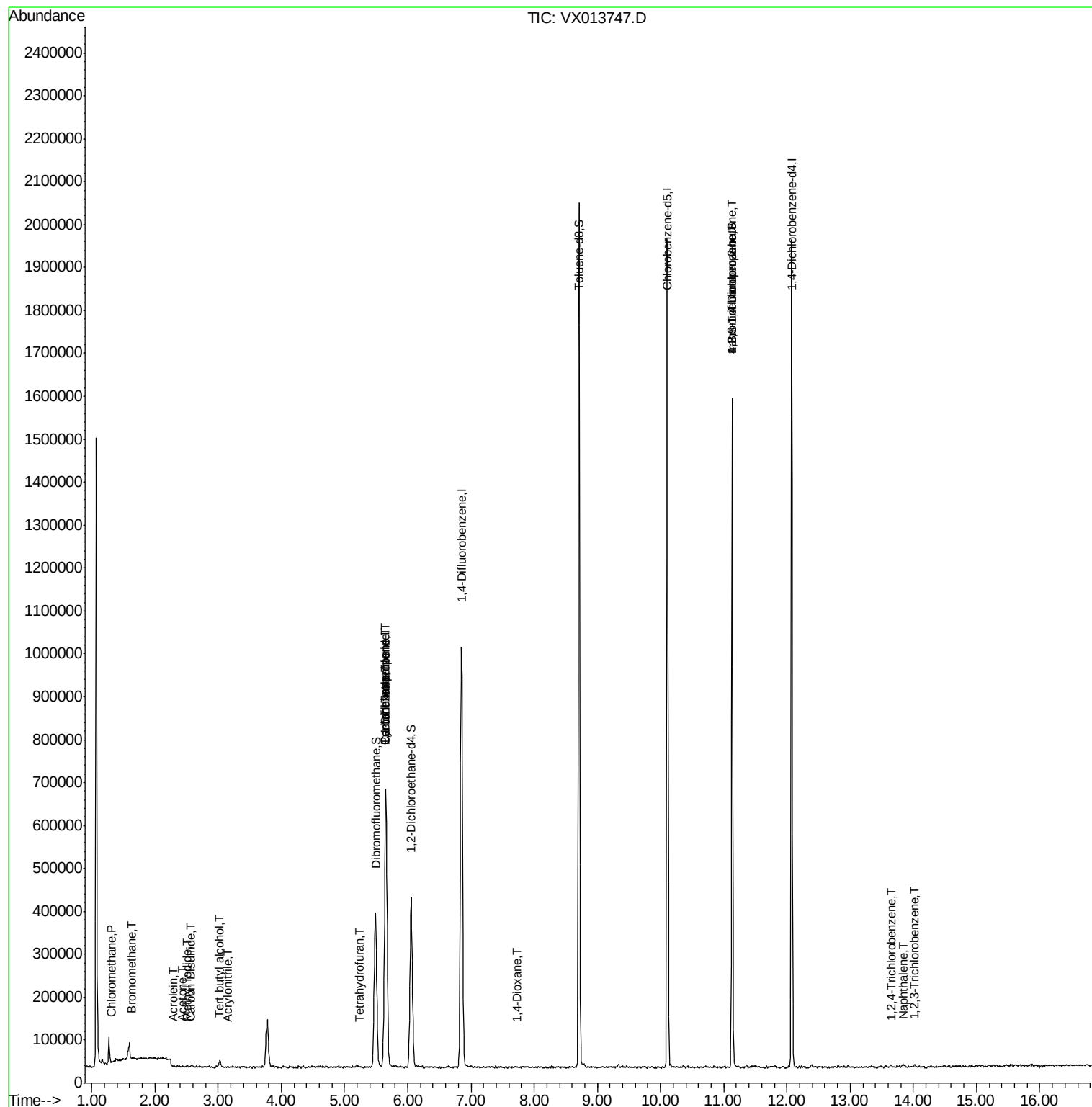
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1790	0.210	ug/l	93
5) Bromomethane	1.64	94	2509	0.389	ug/l	85
10) Methyl Iodide	2.50	142	2844	0.361	ug/l #	96
11) Tert butyl alcohol	3.01	59	3462	1.767	ug/l #	91
13) Acrolein	2.28	56	382	6.288	ug/l #	15
15) Acrylonitrile	3.14	53	1190	0.294	ug/l #	51
16) Acetone	2.43	43	3309	0.844	ug/l #	76
17) Carbon Disulfide	2.56	76	4177	0.225	ug/l	99
29) Tetrahydrofuran	5.23	42	779	0.217	ug/l	95
31) Cyclohexane	5.65	56	11706	0.998	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	45412	4.838	ug/l #	52
38) Carbon Tetrachloride	5.65	117	59888	6.919	ug/l #	15
49) 1,4-Dioxane	7.73	88	286	1.517	ug/l #	41
76) 1,2,3-Trichloropropane	11.13	75	198232	21.830	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	198232	59.723	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	2081	0.227	ug/l #	83
95) Naphthalene	13.84	128	5511	0.202	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	2309	0.254	ug/l	81

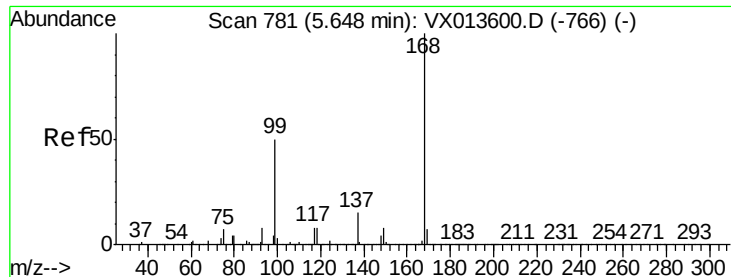
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

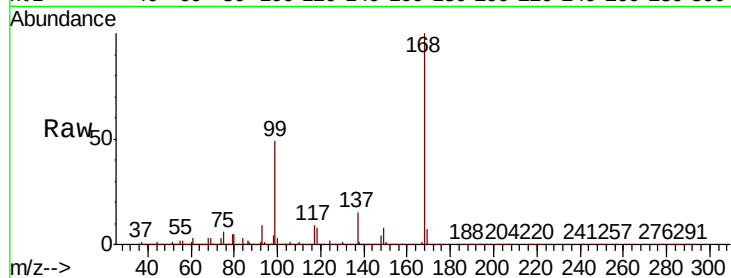
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 683835

Ion Ratio Lower Upper

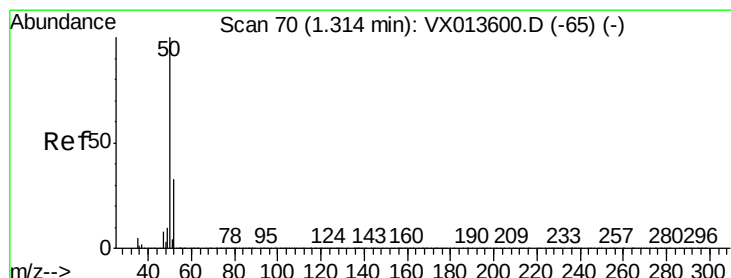
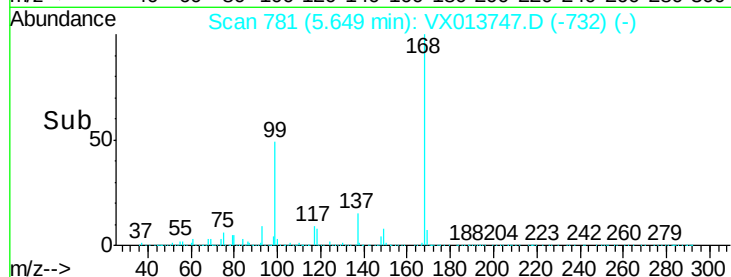
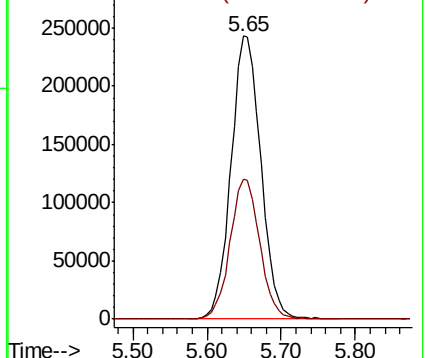
168 100

99 49.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013747.D

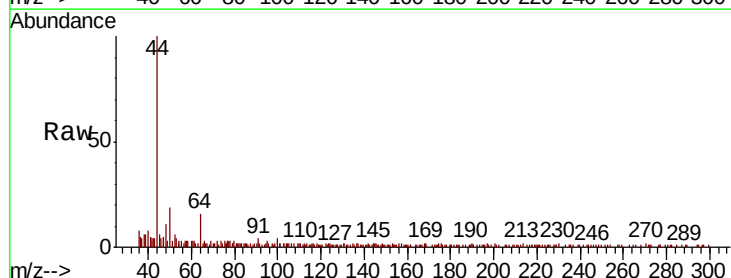
Acq: 04 Dec 2019 14:20

Tgt Ion: 50 Resp: 1790

Ion Ratio Lower Upper

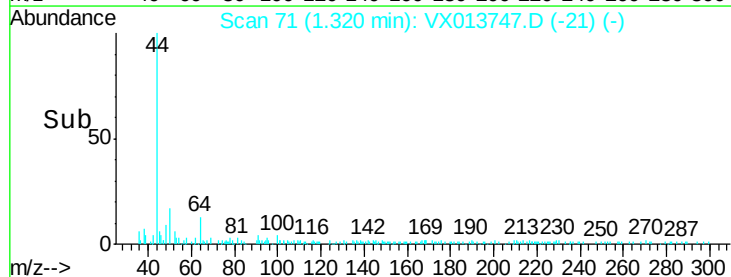
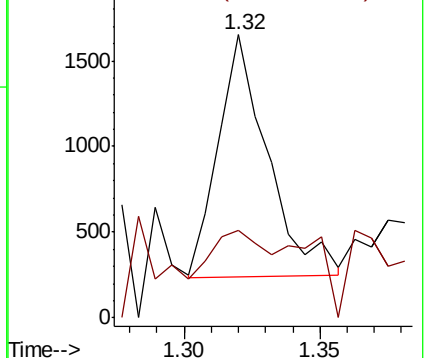
50 100

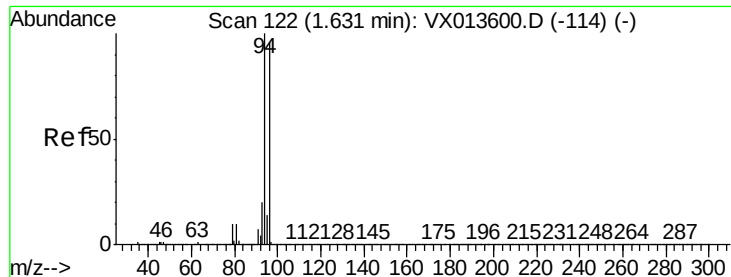
52 36.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

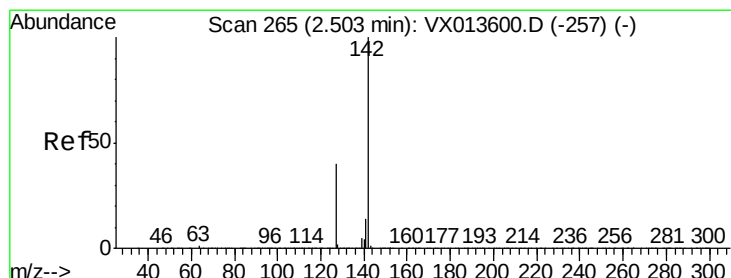
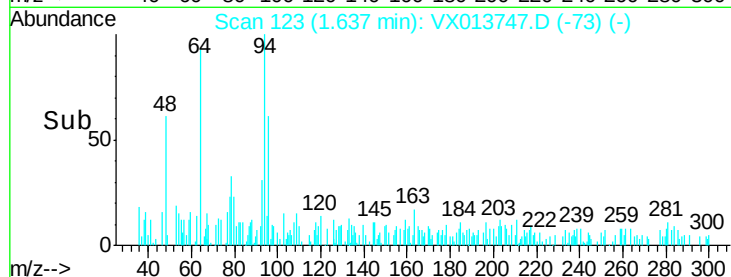
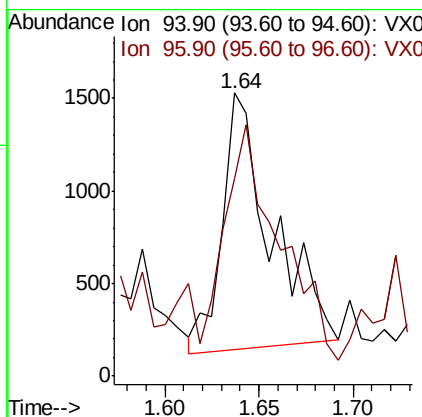
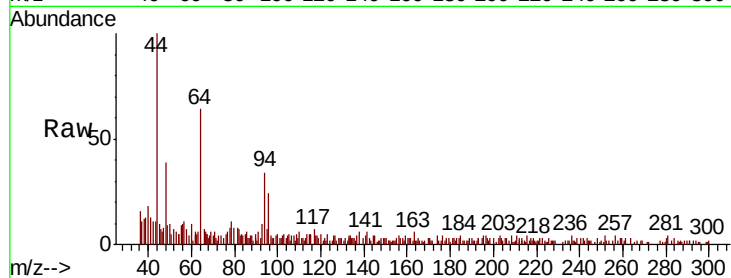
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 2509

Ion Ratio Lower Upper

94 100

96 82.0 77.0 115.4



#10

Methyl Iodide

Concen: 0.361 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

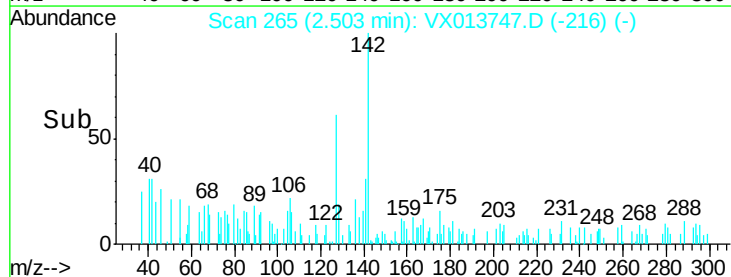
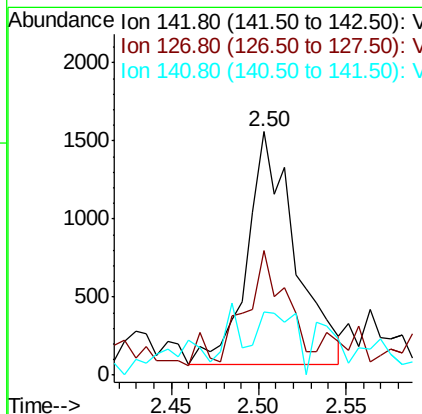
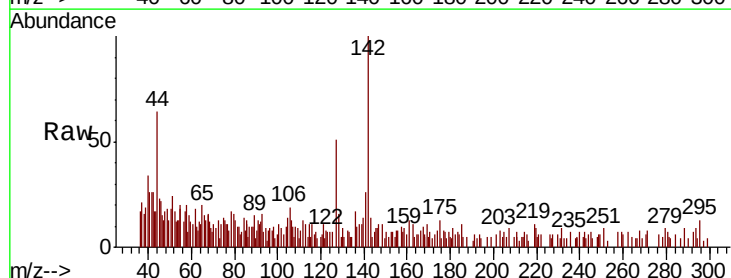
Tgt Ion: 142 Resp: 2844

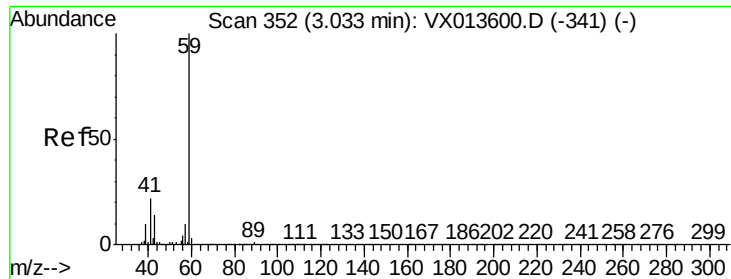
Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

141 19.8 11.6 17.4#

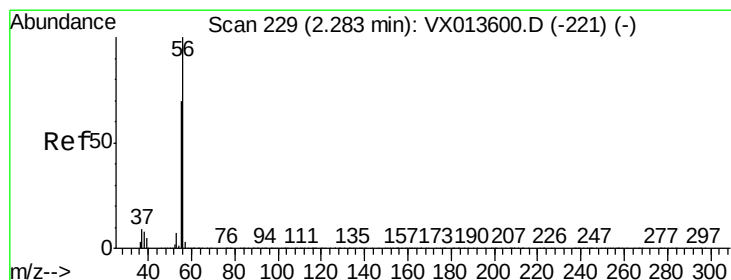
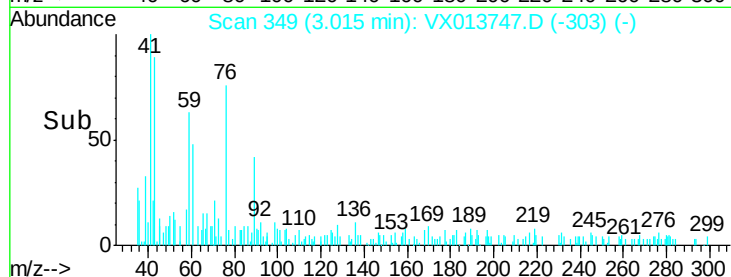
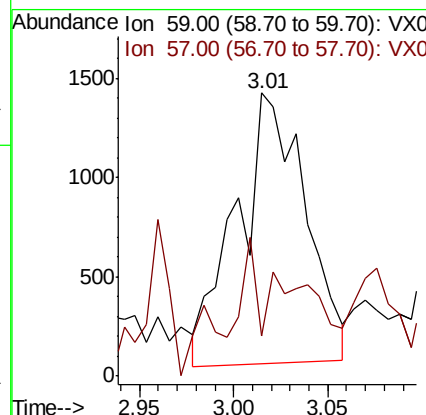
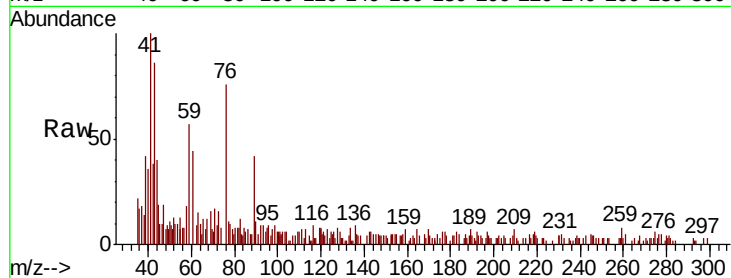




#11
Tert butyl alcohol
Concen: 1.767 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

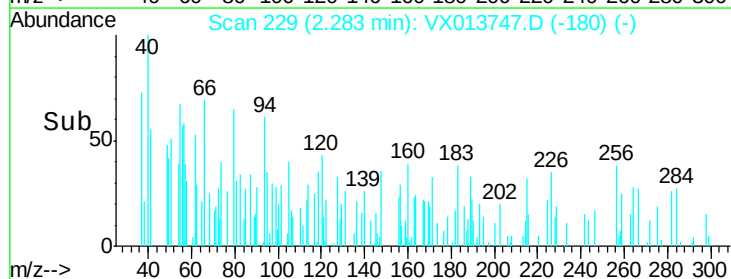
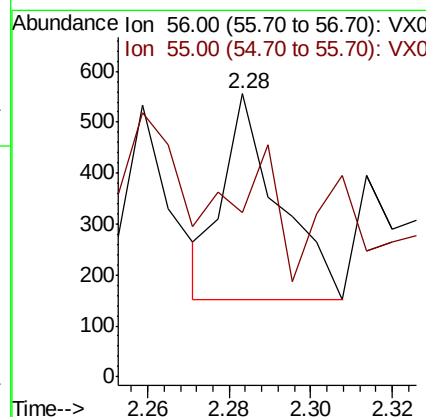
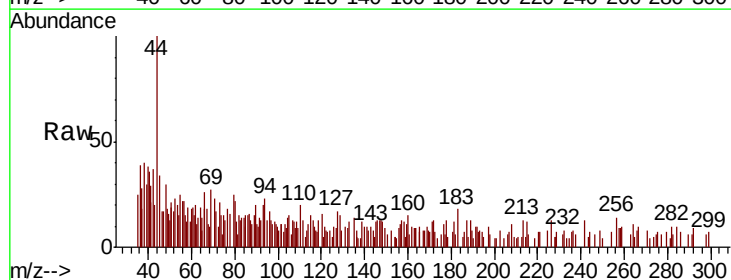
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

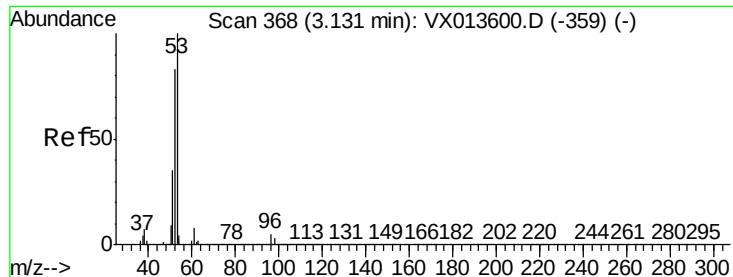
Tot Ion: 59 Resp: 3462
Ion Ratio Lower Upper
59 100
57 6.4 7.8 11.6#



#13
Acrolein
Concen: 6.288 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

Tgt Ion: 56 Resp: 382
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#15

Acrylonitrile

Concen: 0.294 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

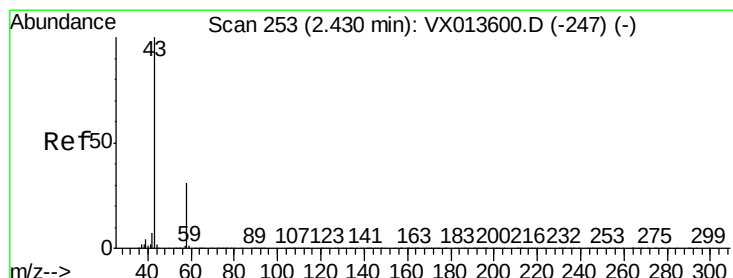
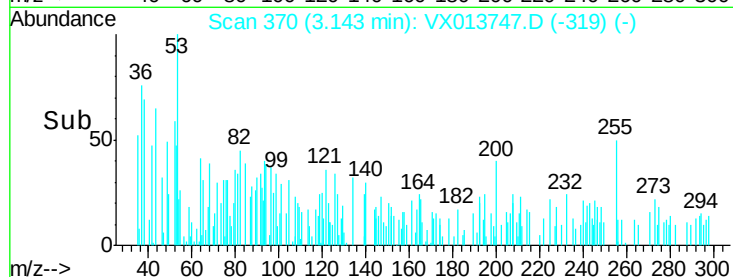
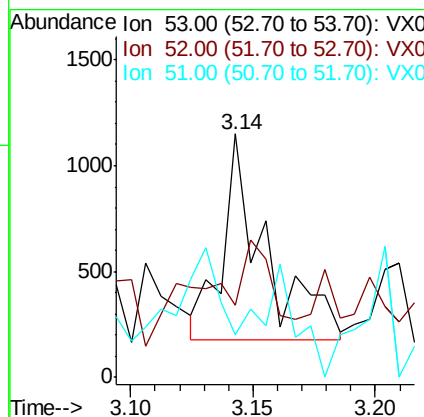
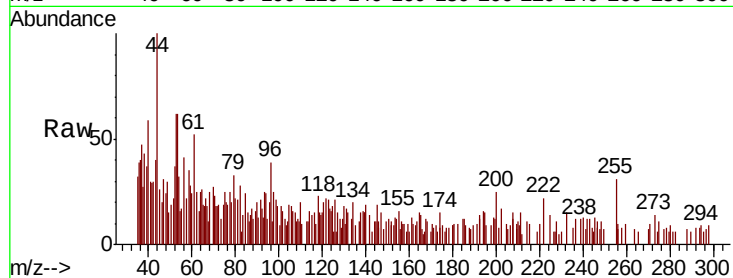
Tot Ion: 53 Resp: 1190

Ion Ratio Lower Upper

53 100

52 20.8 66.2 99.2#

51 39.3 29.0 43.6



#16

Acetone

Concen: 0.844 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013747.D

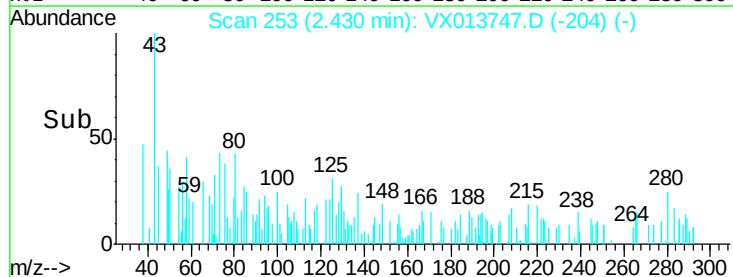
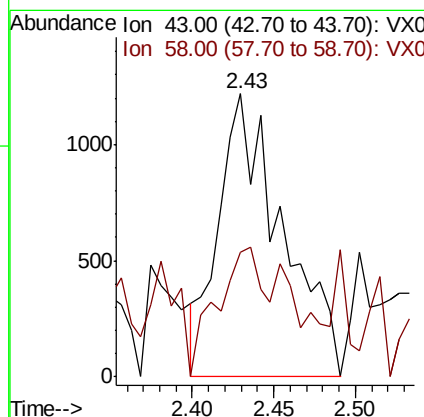
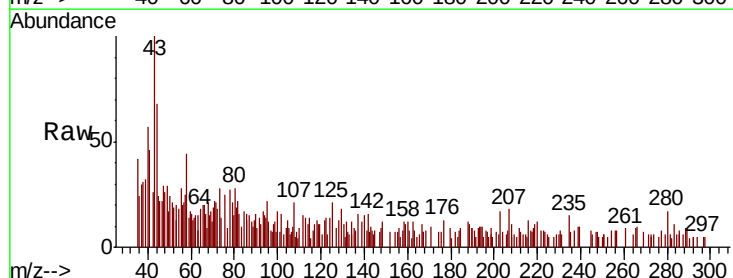
Acq: 04 Dec 2019 14:20

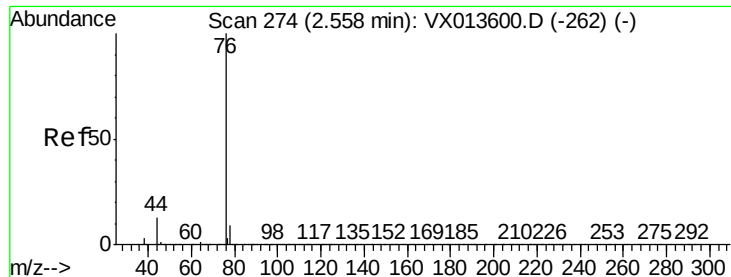
Tgt Ion: 43 Resp: 3309

Ion Ratio Lower Upper

43 100

58 44.0 24.6 36.8#

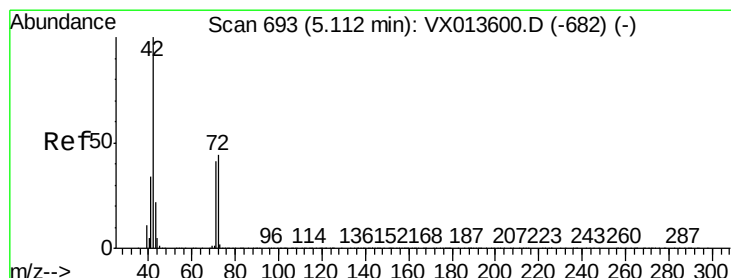
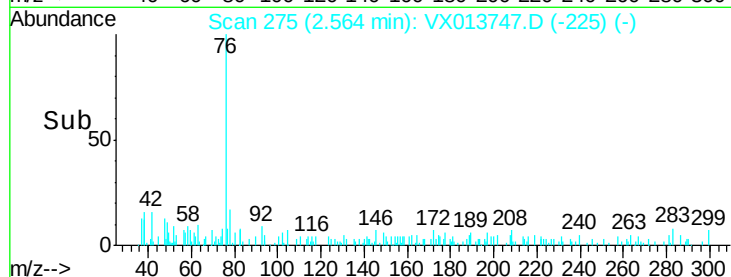
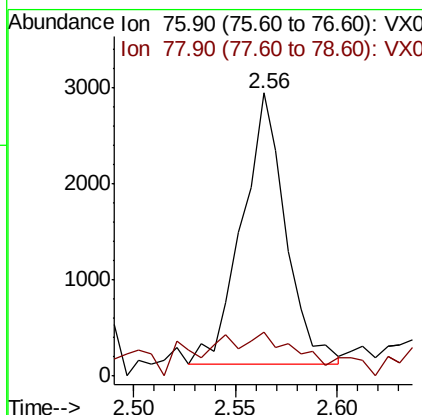
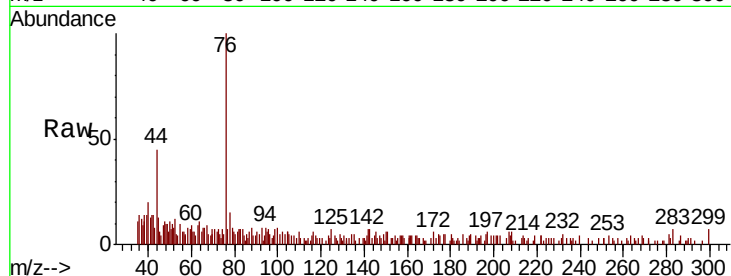




#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

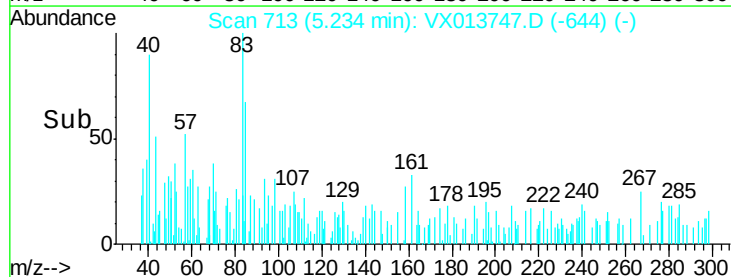
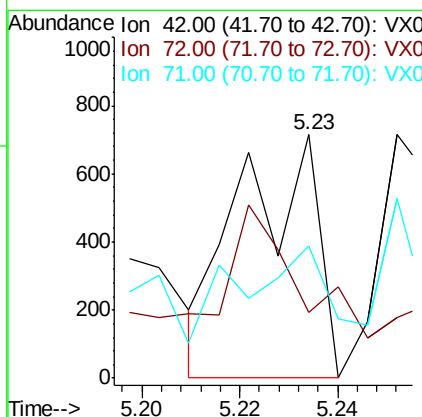
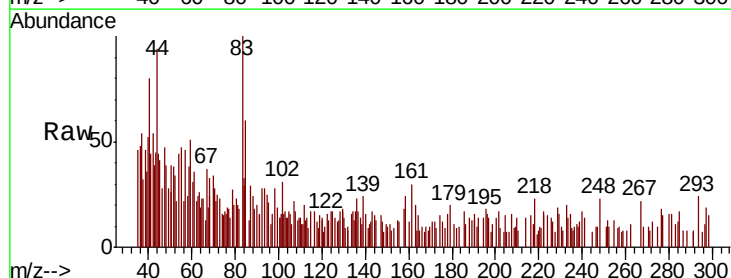
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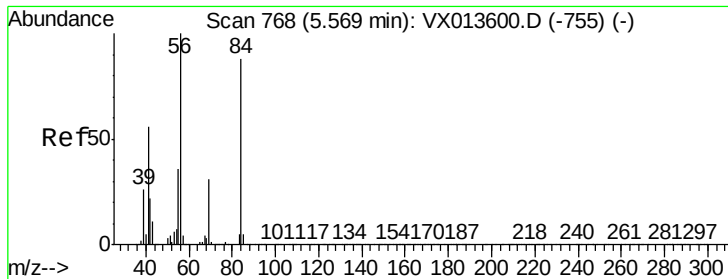
Tot Ion: 76 Resp: 4177
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#29
Tetrahydrofuran
Concen: 0.217 ug/l
RT: 5.23 min Scan# 713
Delta R.T. 0.12 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

Tgt Ion: 42 Resp: 779
Ion Ratio Lower Upper
42 100
72 48.0 36.3 54.5
71 45.6 33.2 49.8

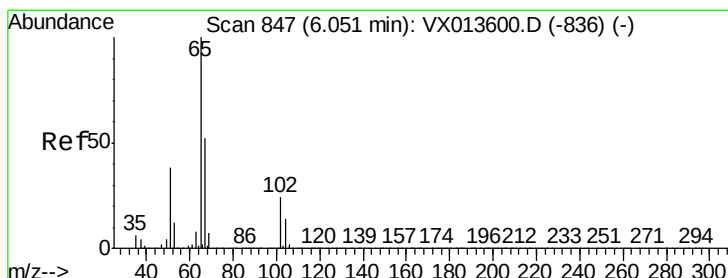
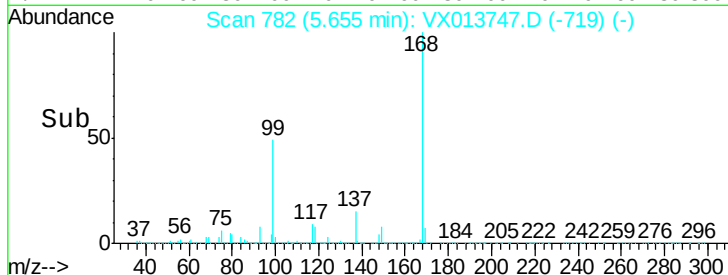
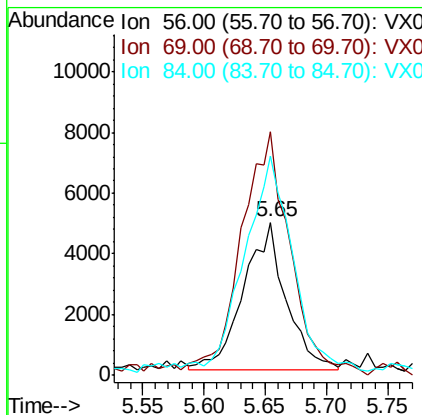
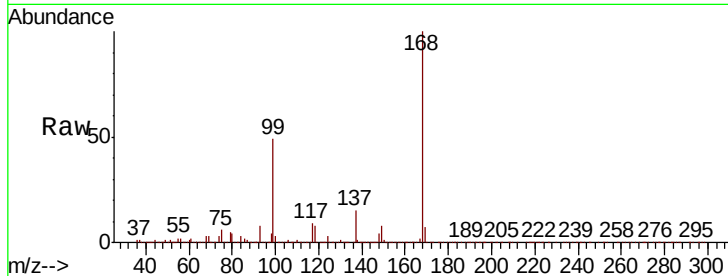




#31
Cyclohexane
Concen: 0.998 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

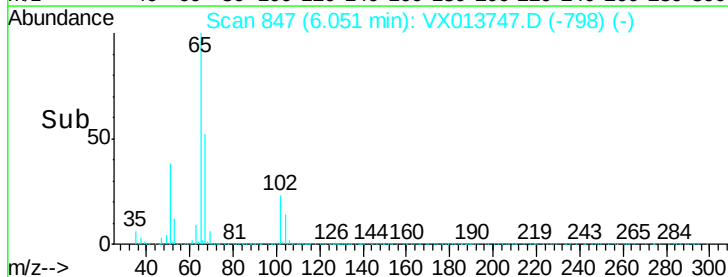
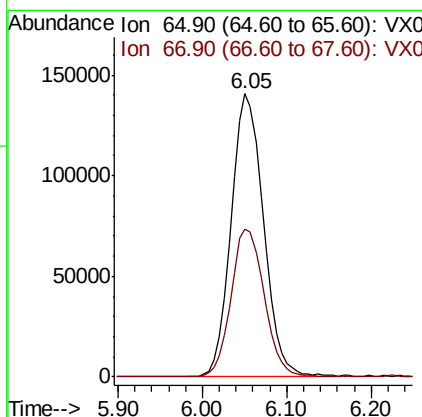
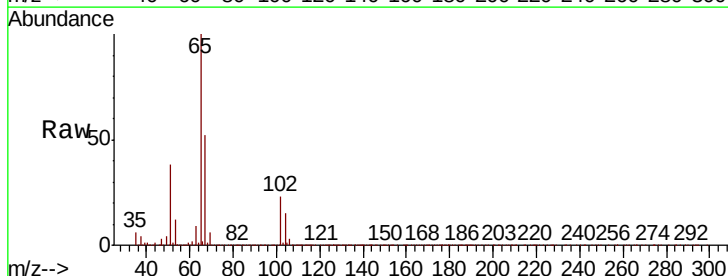
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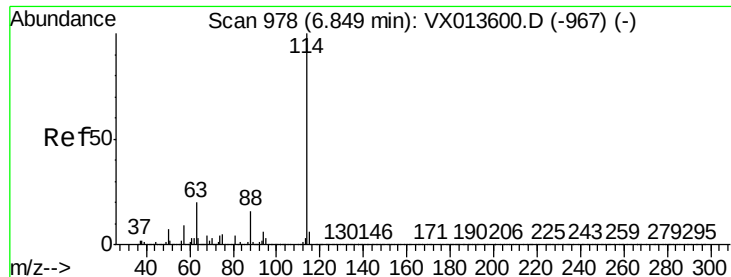
Tot Ion: 56 Resp: 11706
Ion Ratio Lower Upper
56 100
69 159.4 24.6 36.8#
84 143.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.069 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

Tgt Ion: 65 Resp: 365683
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

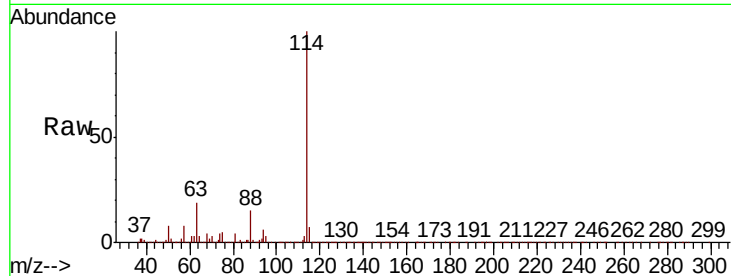
Tot Ion:114 Resp: 1034083

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

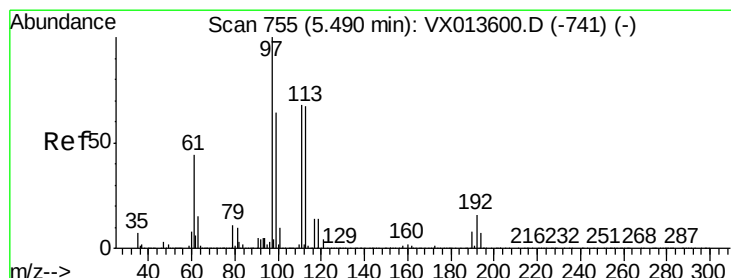
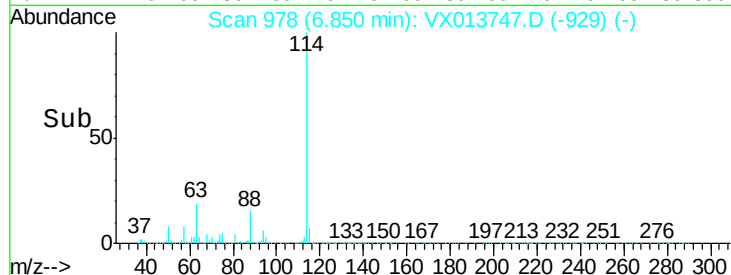
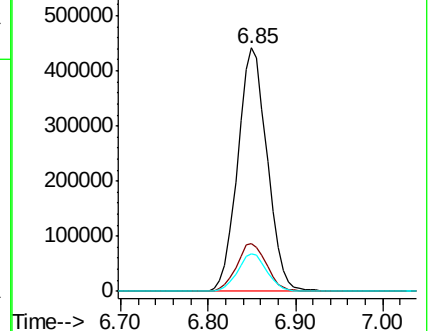
88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.143 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

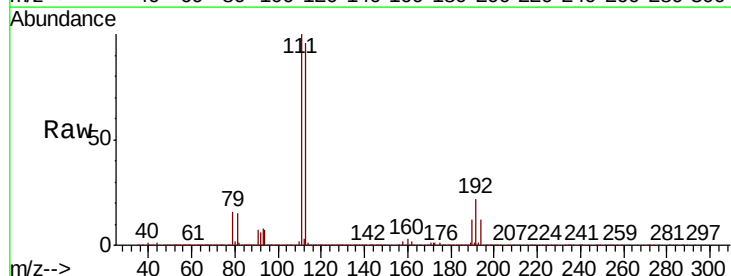
Tgt Ion:113 Resp: 307770

Ion Ratio Lower Upper

113 100

111 103.5 83.6 125.4

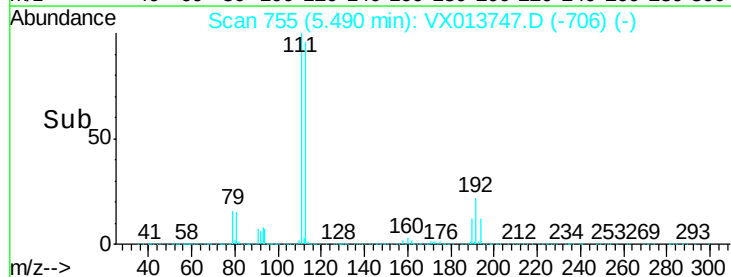
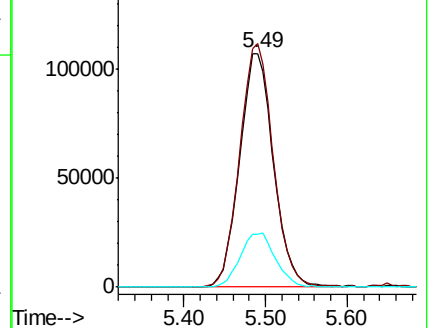
192 24.4 19.2 28.8

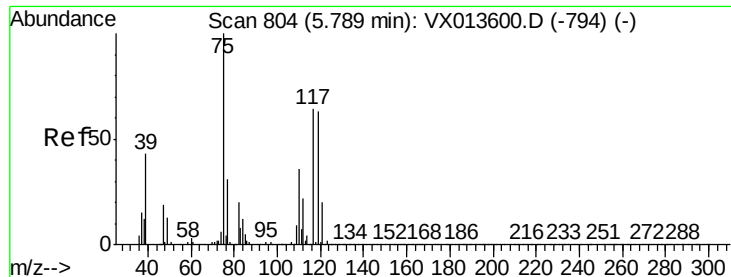


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

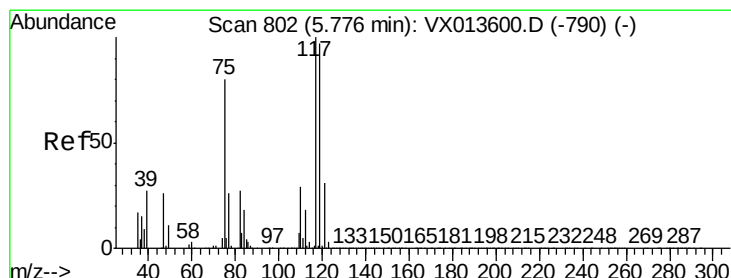
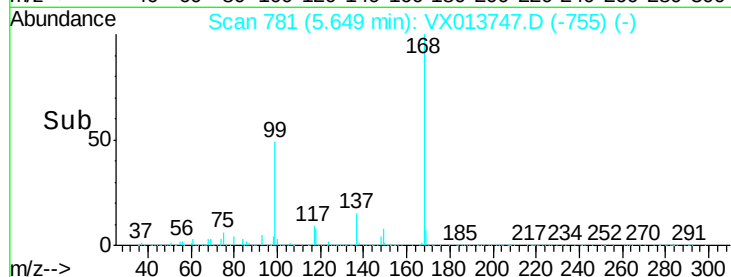
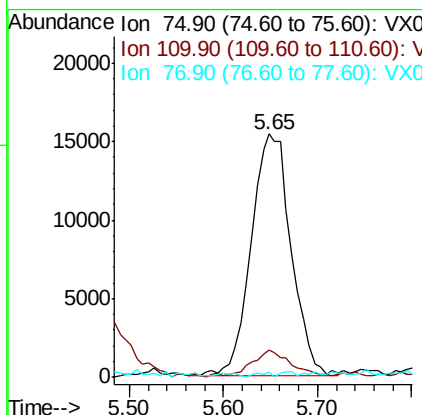
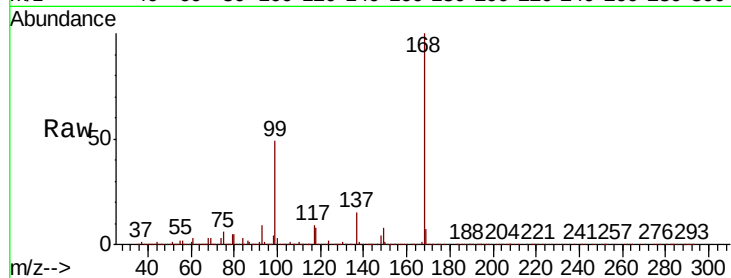




#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013747.D
 Acq: 04 Dec 2019 14:20

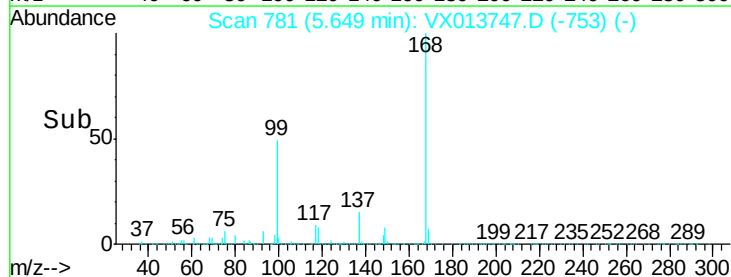
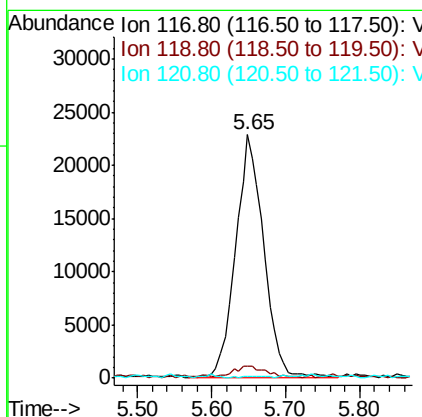
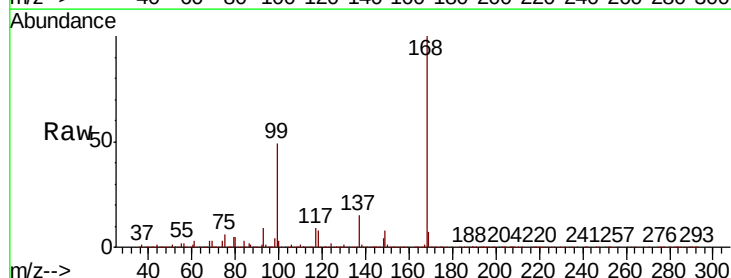
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

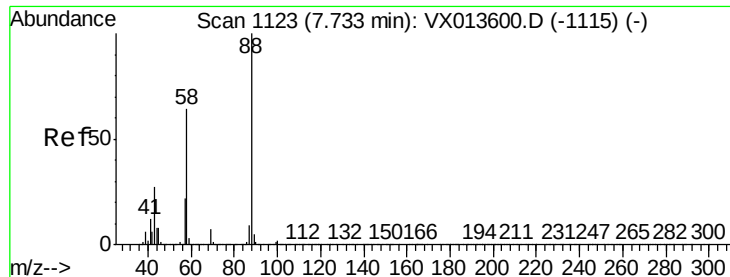
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.1	54.1#
77	0.8	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.919 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013747.D
 Acq: 04 Dec 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.5	116.3#
121	0.1	25.0	37.6#

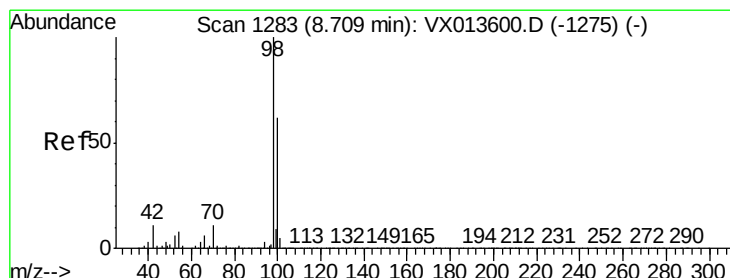
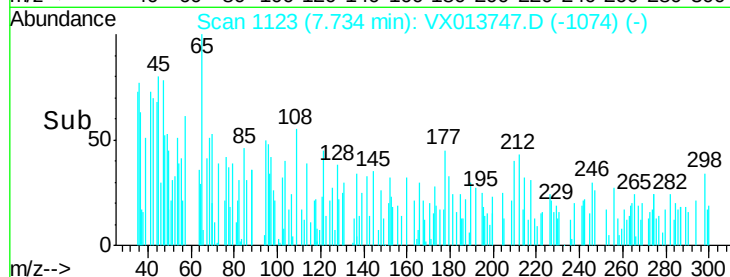
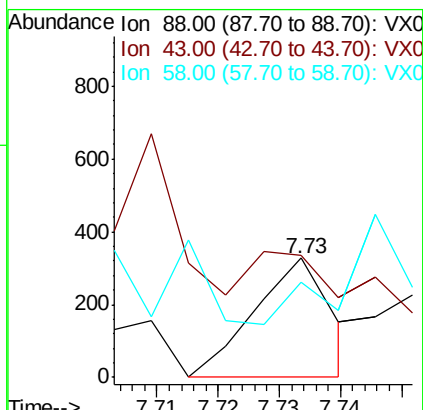
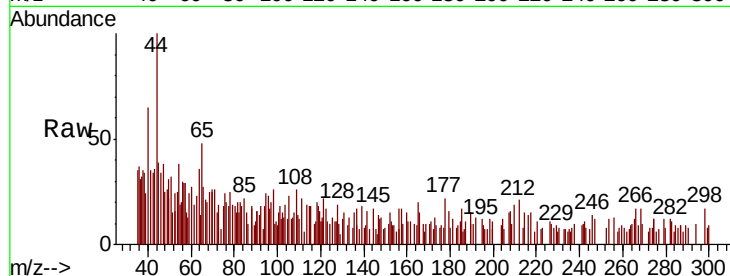




#49
1,4-Dioxane
Concen: 1.517 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

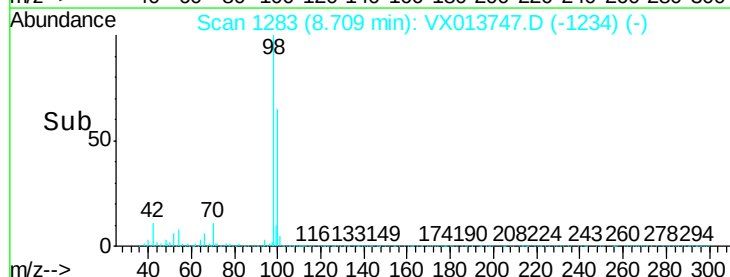
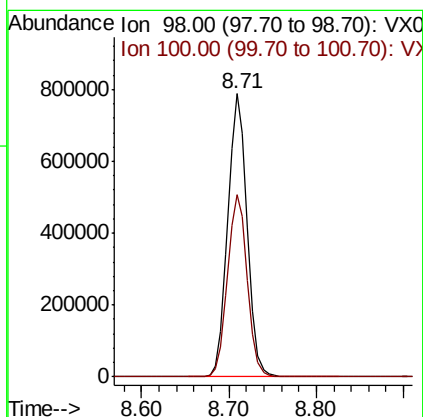
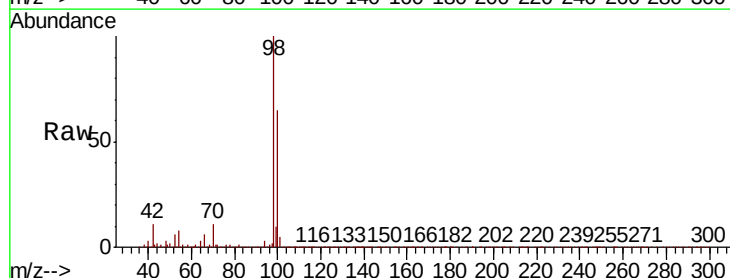
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

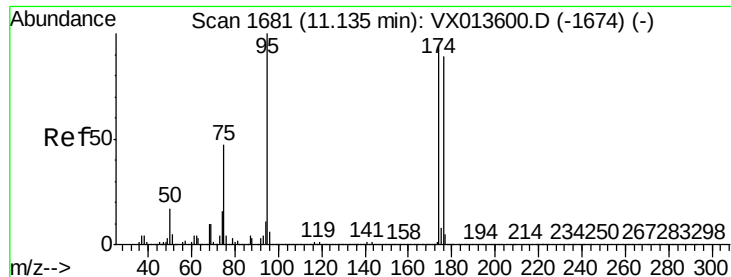
Tot Ion: 88 Resp: 286
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 116.4 54.6 82.0#



#50
Toluene-d8
Concen: 48.389 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

Tgt Ion: 98 Resp: 1205243
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.536 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

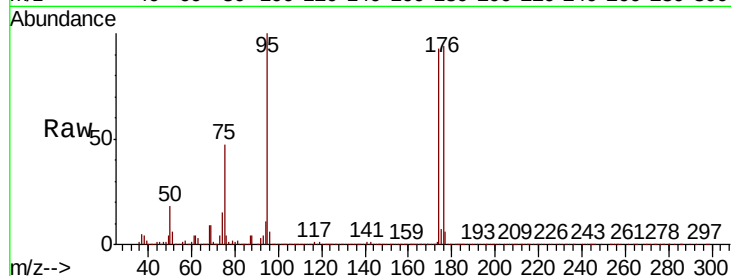
Tot Ion: 95 Resp: 408986

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

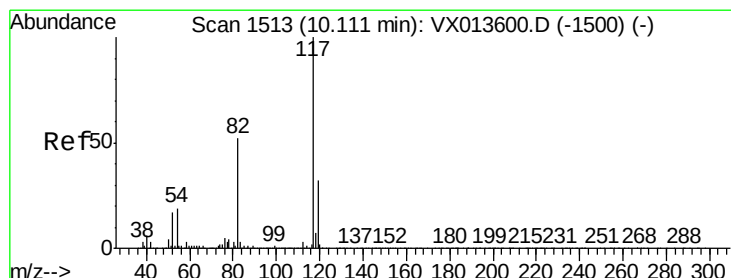
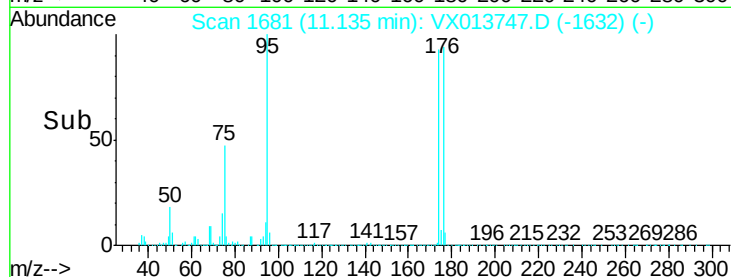
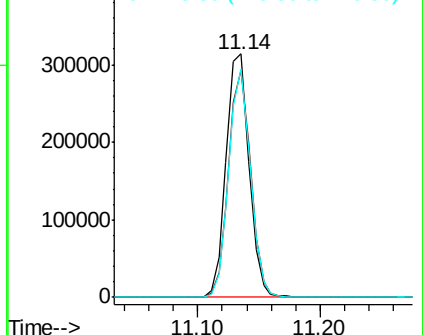
176 88.5 0.0 173.6



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: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

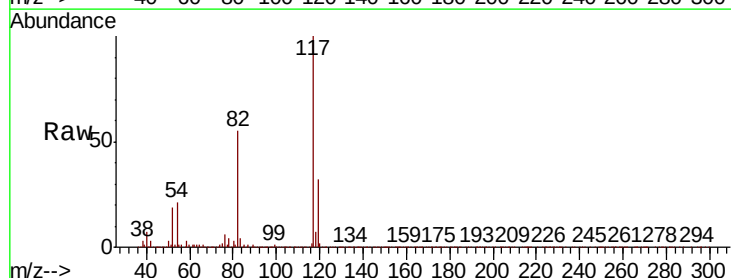
Tgt Ion: 117 Resp: 910289

Ion Ratio Lower Upper

117 100

82 54.9 41.8 62.8

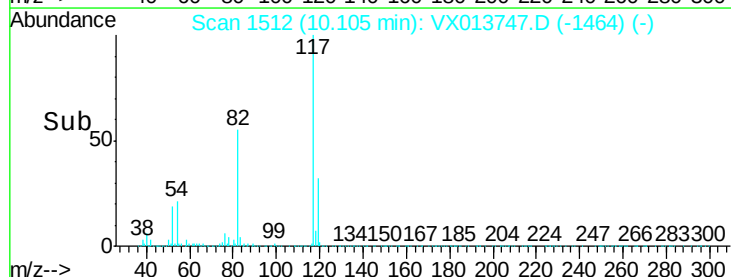
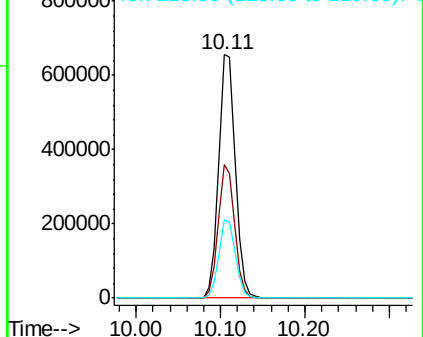
119 32.4 25.8 38.8

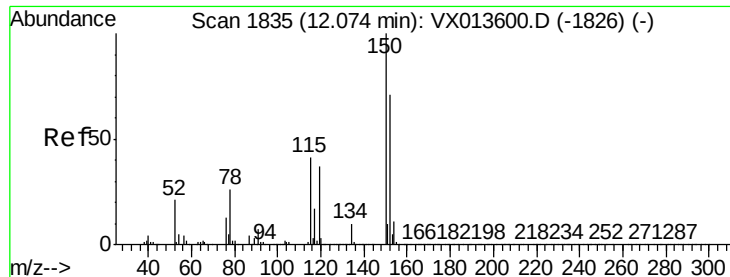


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

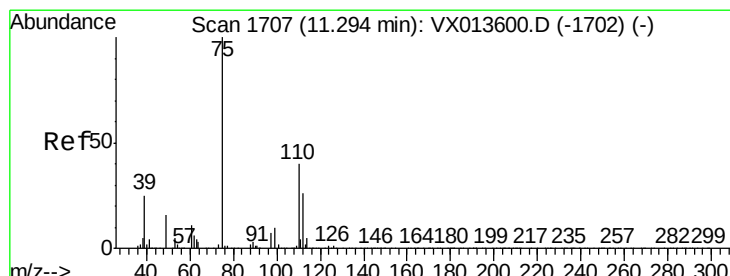
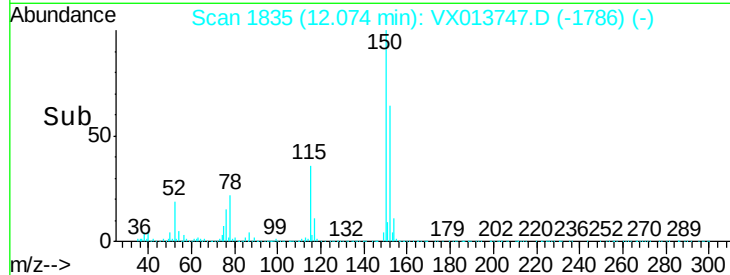
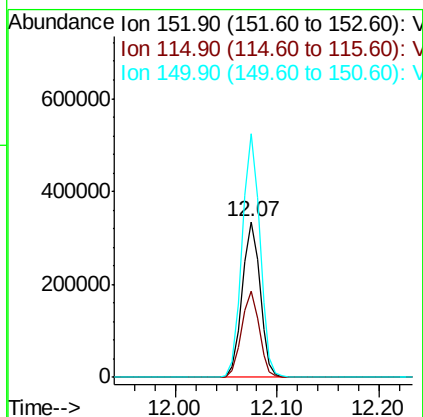
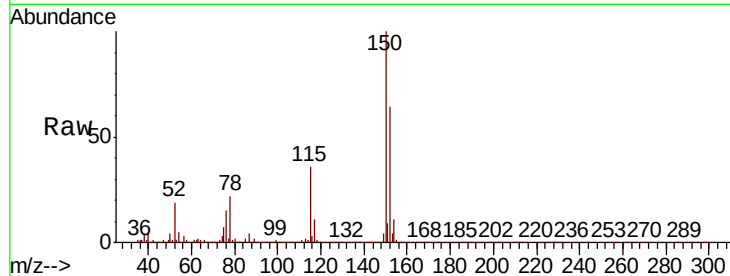




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX013747.D
 Acq: 04 Dec 2019 14:20

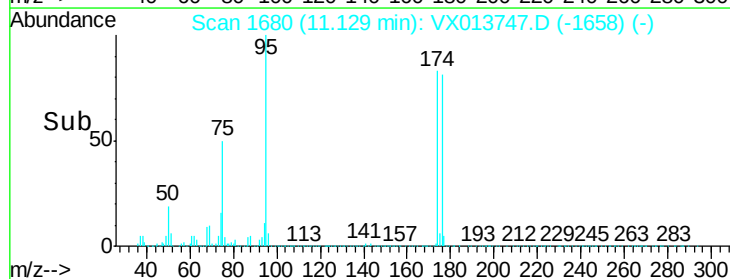
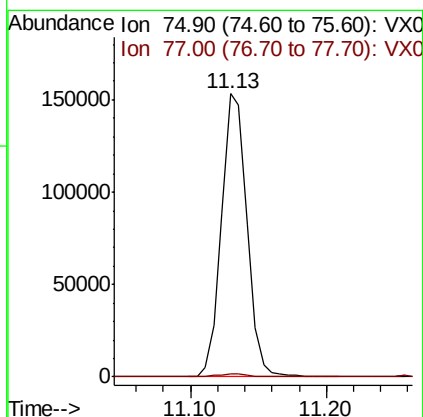
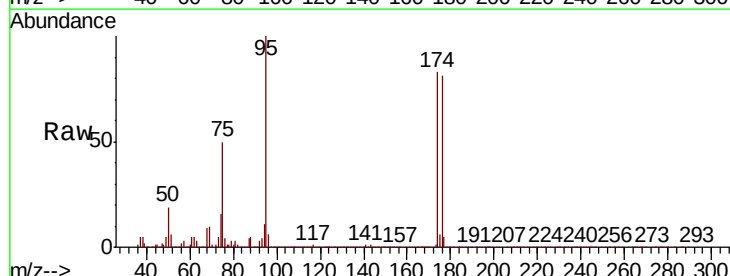
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

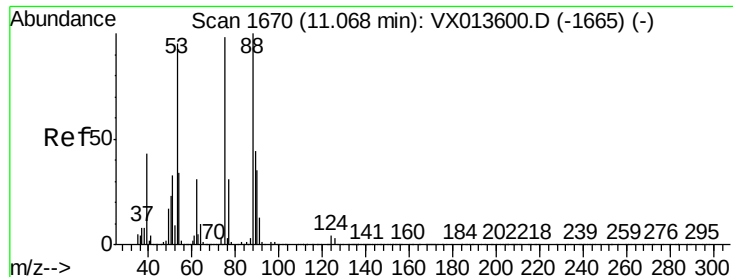
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.4	115.1
150	155.8	0.0	346.8



#76
 1,2,3-Trichloropropane
 Concen: 21.830 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013747.D
 Acq: 04 Dec 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.1	57.5#

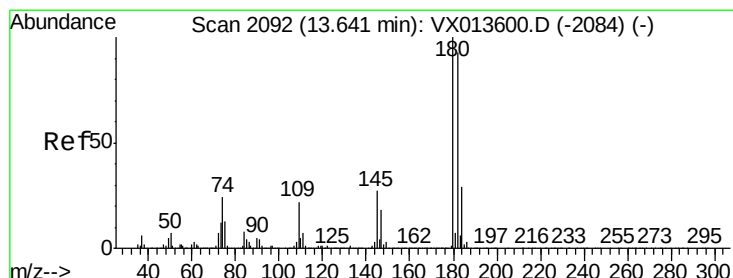
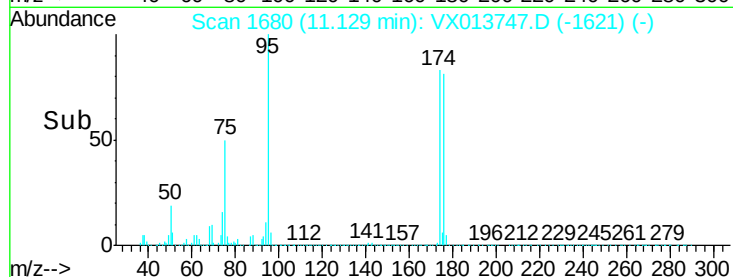
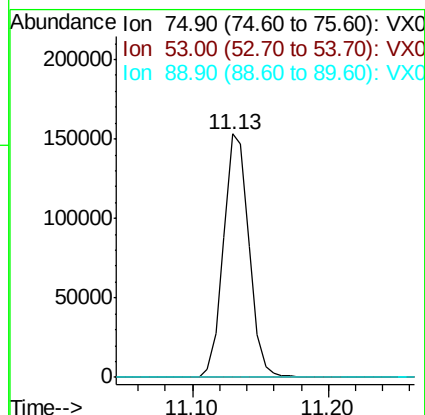
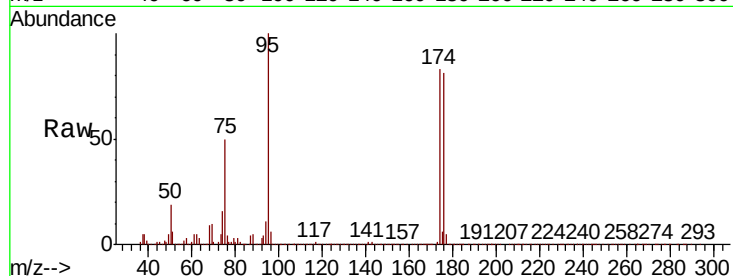




#81
trans-1,4-Dichloro-2-butene
Concen: 59.723 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

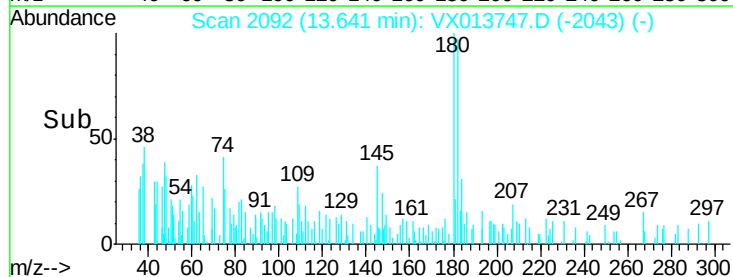
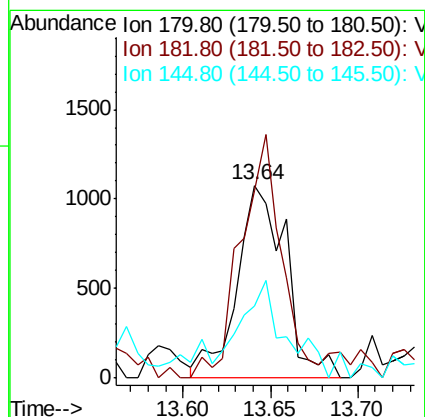
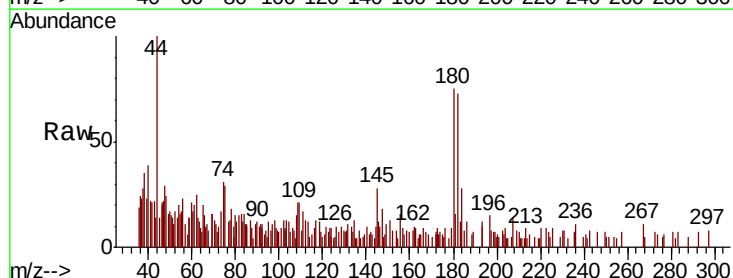
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

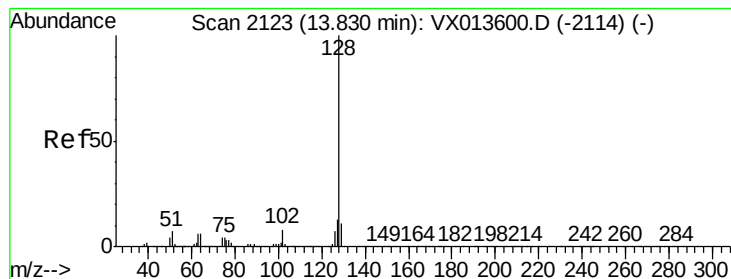
Tot Ion: 75 Resp: 198232
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.2#
89 0.1 35.4 53.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.227 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013747.D
Acq: 04 Dec 2019 14:20

Tgt Ion:180 Resp: 2081
Ion Ratio Lower Upper
180 100
182 104.9 47.2 141.6
145 46.7 13.8 41.4#





#95

Naphthalene

Concen: 0.202 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

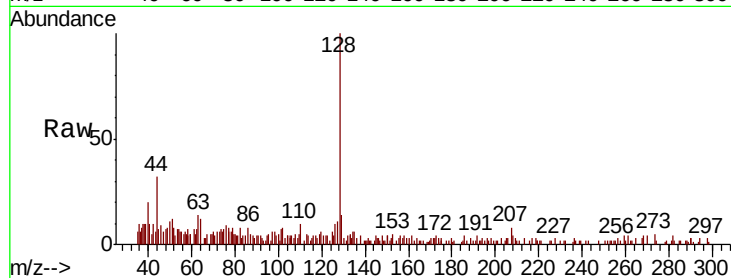
Tot Ion:128 Resp: 5511

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

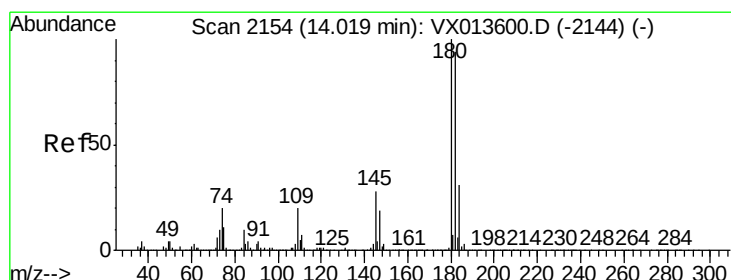
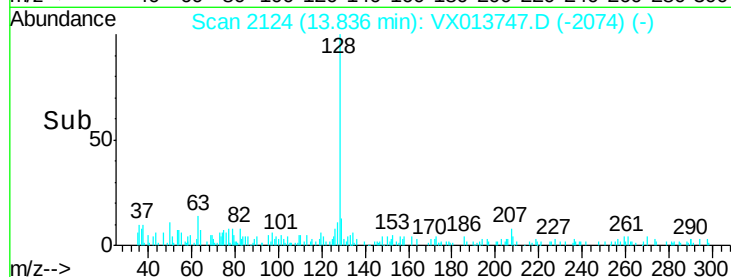
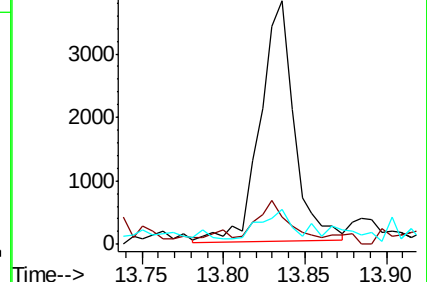
129 10.1 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.254 ug/l

RT: 14.03 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VX013747.D

Acq: 04 Dec 2019 14:20

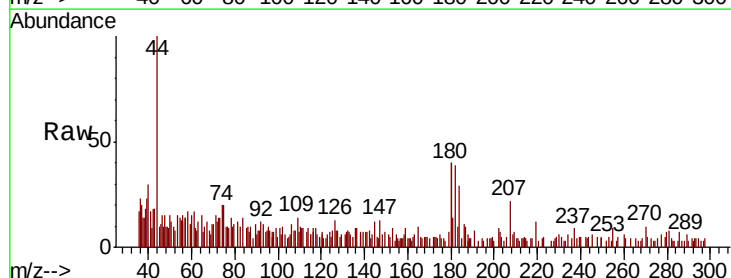
Tgt Ion:180 Resp: 2309

Ion Ratio Lower Upper

180 100

182 74.0 47.6 142.8

145 36.4 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

