

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX013120\
 Data File : VX014780.D
 Acq On : 31 Jan 2020 14:47
 Operator : JC/SP
 Sample : L1344-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jan 31 15:37:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	435984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	686995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	626407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	279989	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	256798	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	5.48	113	211525	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.71	98	816645	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	276805	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

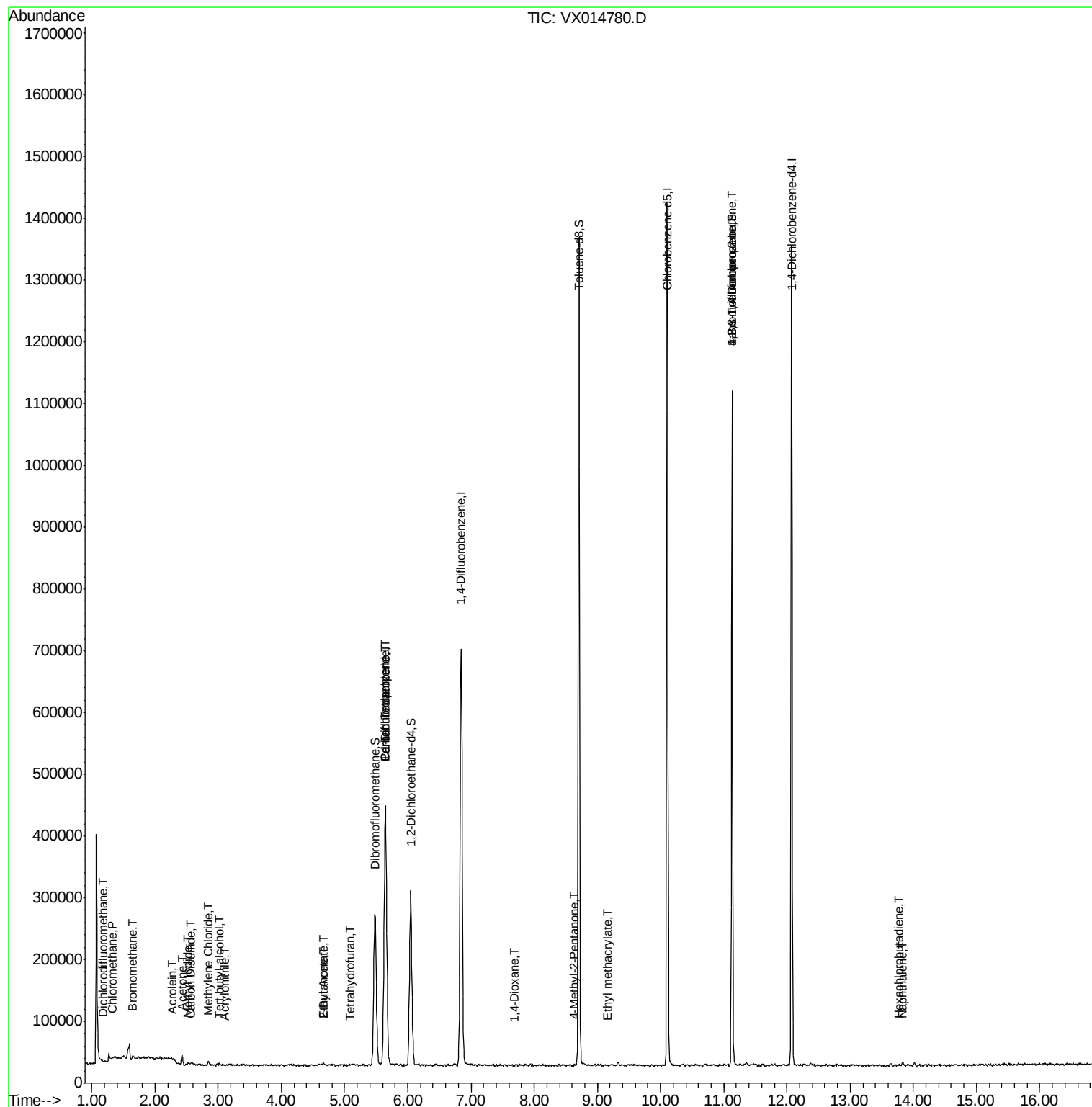
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	127	0.55	ug/l #	10
3) Chloromethane	1.32	50	1701	0.29	ug/l #	83
5) Bromomethane	1.64	94	1779	0.41	ug/l #	80
6) Chloroethane	1.73	64	373	Below Cal	#	63
10) Methyl Iodide	2.51	142	2870	0.50	ug/l #	85
11) Tert butyl alcohol	3.02	59	756	0.66	ug/l #	57
13) Acrolein	2.28	56	244	0.27	ug/l #	14
15) Acrylonitrile	3.11	53	565	0.21	ug/l #	37
16) Acetone	2.42	43	19142	7.01	ug/l	100
17) Carbon Disulfide	2.56	76	3052	0.26	ug/l	96
20) Methylene Chloride	2.85	84	3142	0.61	ug/l #	92
25) 2-Butanone	4.67	43	3614	0.90	ug/l #	90
29) Tetrahydrofuran	5.09	42	521	0.22	ug/l #	57
36) 1,1-Dichloropropene	5.64	75	30585	4.79	ug/l #	50
37) Ethyl Acetate	4.67	43	3299	0.45	ug/l	96
38) Carbon Tetrachloride	5.65	117	38192	6.26	ug/l #	14
41) Methacrylonitrile	5.03	41	350	Below Cal	#	18
49) 1,4-Dioxane	7.68	88	645	5.32	ug/l #	40
51) 4-Methyl-2-Pentanone	8.64	43	2171	0.29	ug/l #	81
56) Ethyl methacrylate	9.17	69	168	1.80	ug/l #	45
76) 1,2,3-Trichloropropane	11.13	75	137002	21.03	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	137002	59.85	ug/l #	11
94) Hexachlorobutadiene	13.78	225	688	0.22	ug/l	88
95) Naphthalene	13.83	128	3583	1.11	ug/l #	91

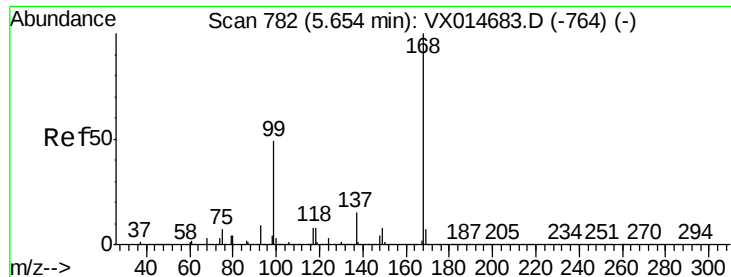
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX013120\
Data File : VX014780.D
Acq On : 31 Jan 2020 14:47
Operator : JC/SP
Sample : L1344-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jan 31 15:37:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

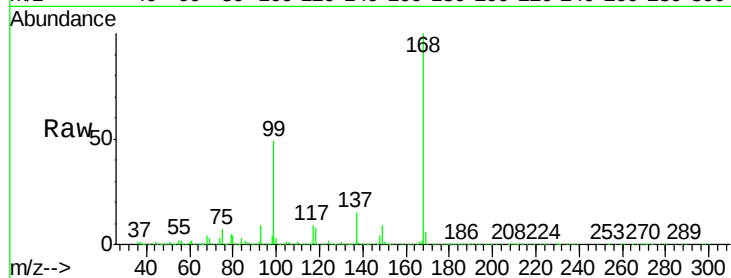
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 435984

Ion Ratio Lower Upper

168 100

99 49.0 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

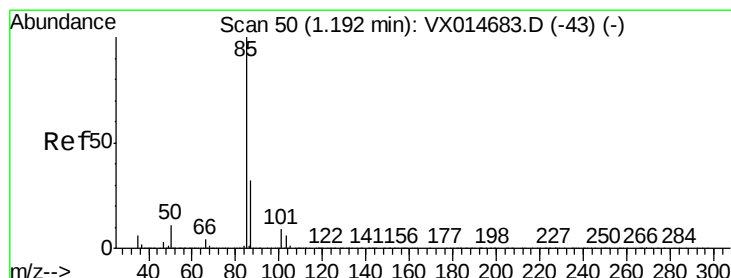
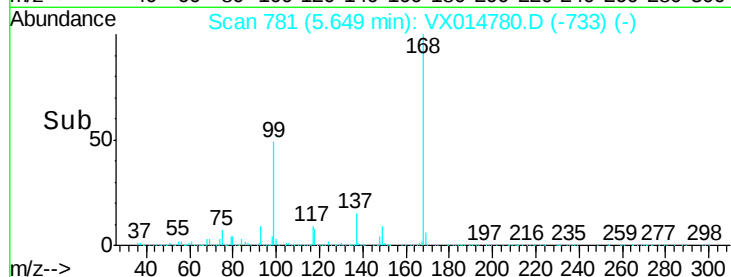
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.55 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014780.D

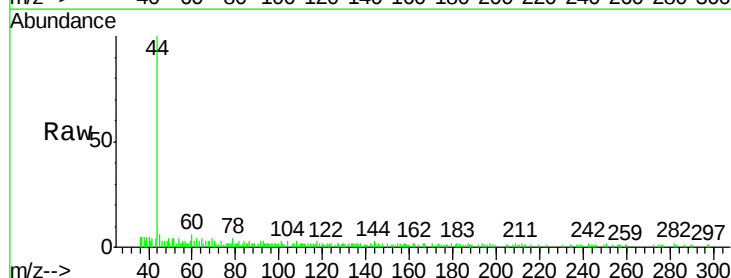
Acq: 31 Jan 2020 14:47

Tgt Ion: 85 Resp: 127

Ion Ratio Lower Upper

85 100

87 82.7 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

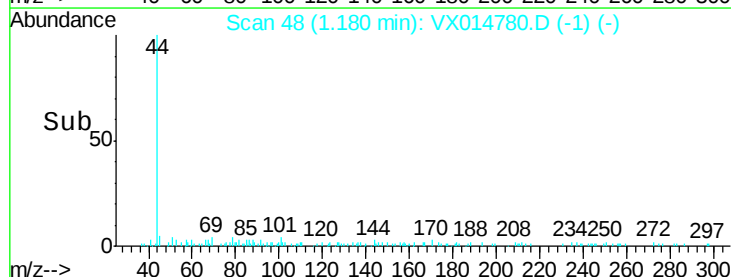
300

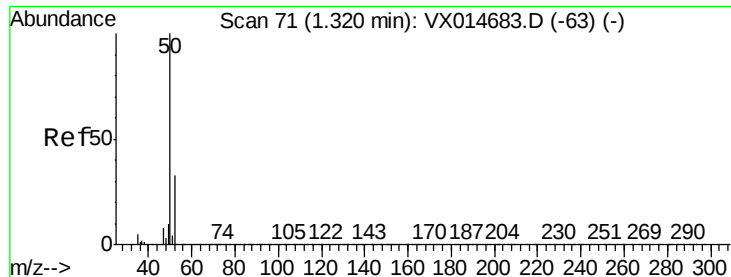
200

100

0

Time--> 1.15 1.16 1.17 1.18 1.19

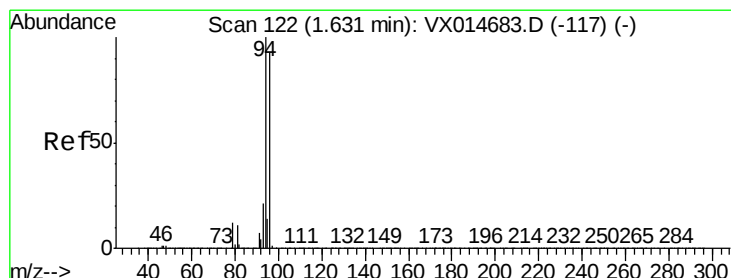
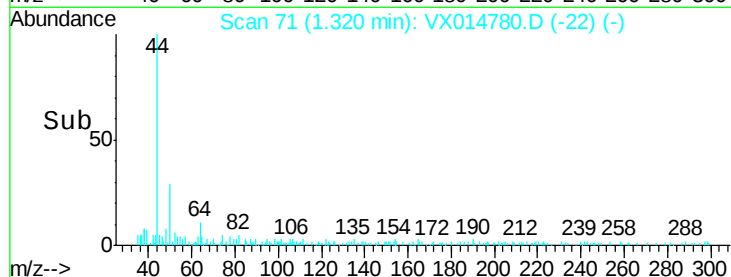
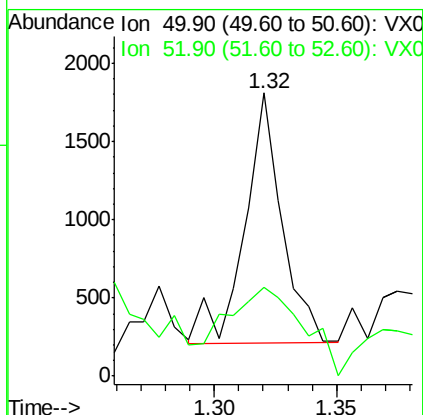
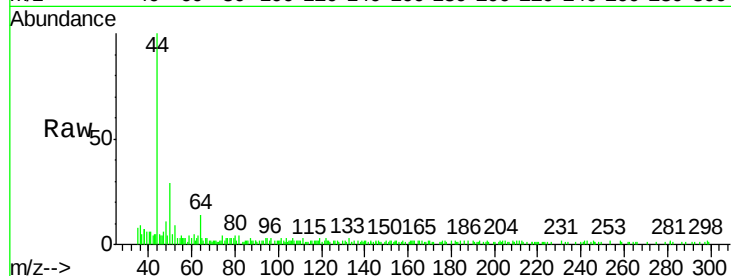




#3
Chloromethane
Concen: 0.29 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

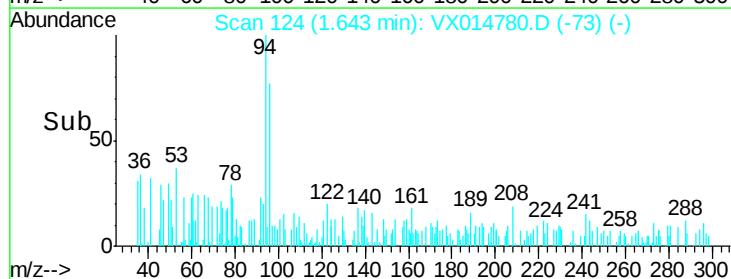
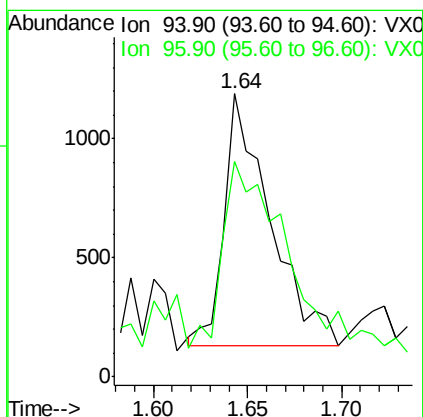
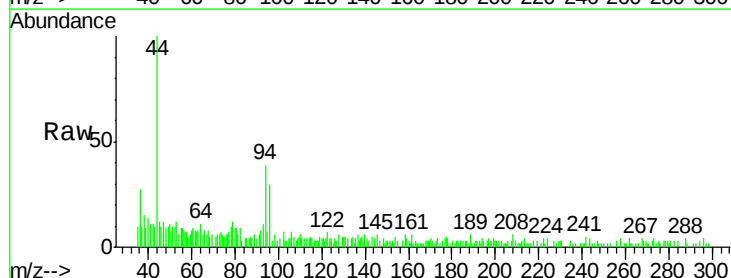
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

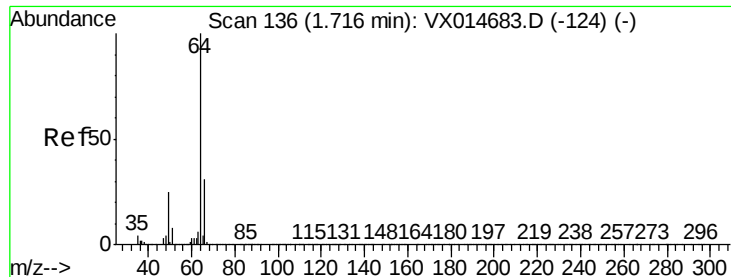
Tgt Ion: 50 Resp: 1701
Ion Ratio Lower Upper
50 100
52 22.9 26.2 39.2#



#5
Bromomethane
Concen: 0.41 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

Tgt Ion: 94 Resp: 1779
Ion Ratio Lower Upper
94 100
96 74.6 74.7 112.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

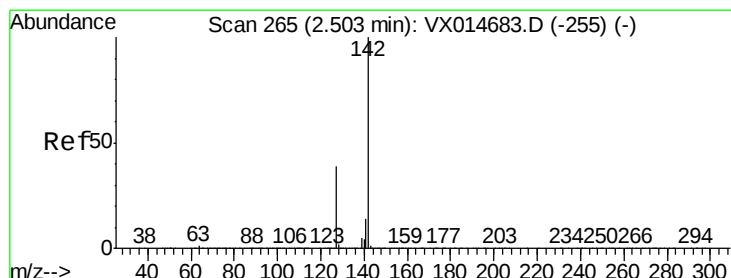
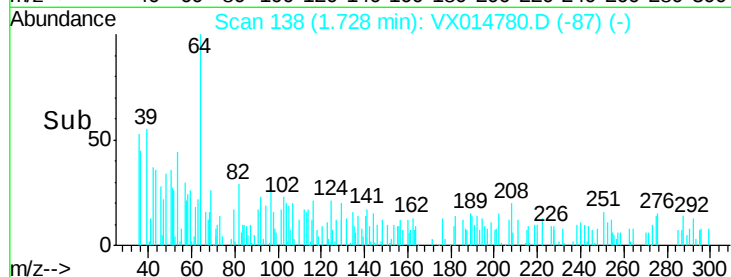
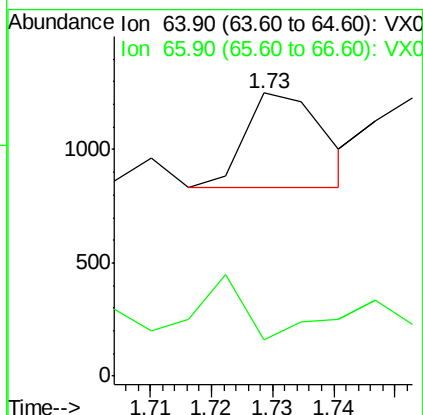
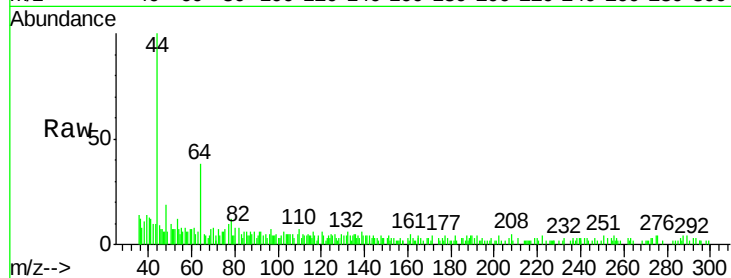
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 64 Resp: 373

Ion Ratio Lower Upper

64 100

66 11.0 25.2 37.8#



#10

Methyl Iodide

Concen: 0.50 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

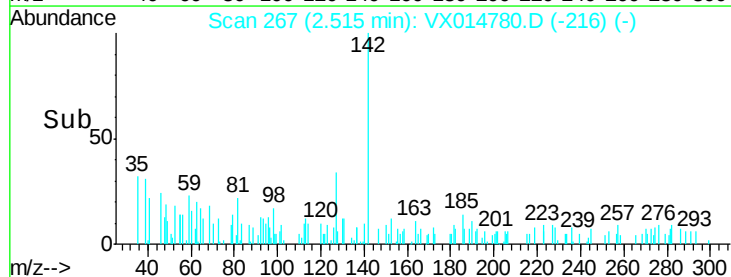
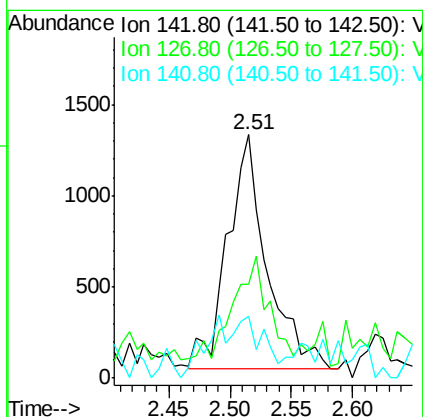
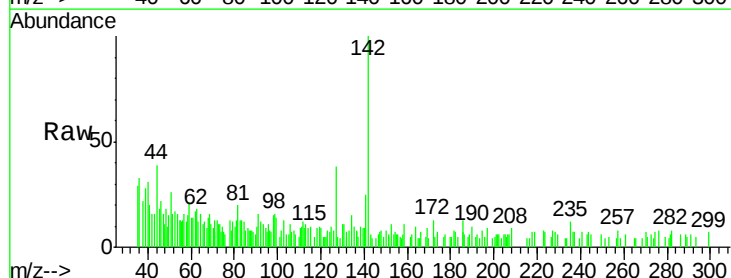
Tgt Ion: 142 Resp: 2870

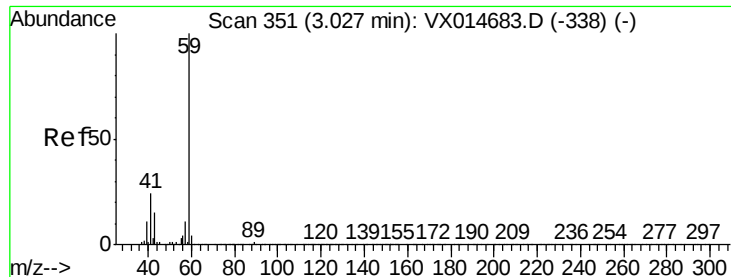
Ion Ratio Lower Upper

142 100

127 49.8 31.1 46.7#

141 11.8 11.3 16.9



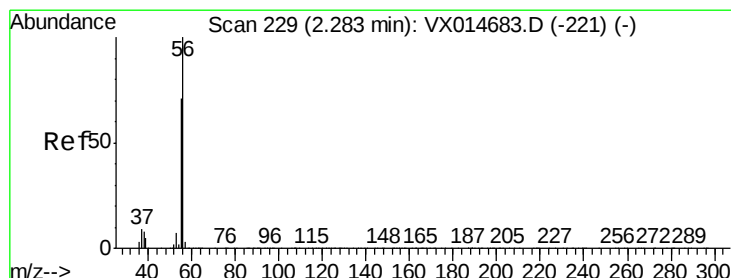
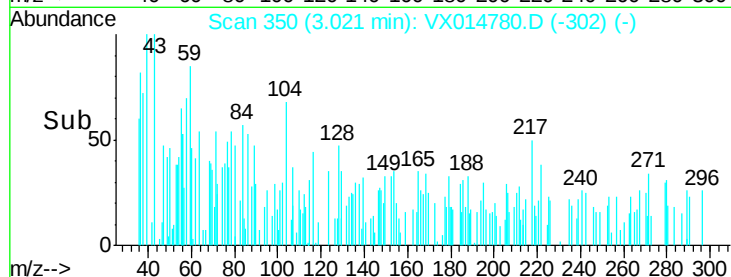
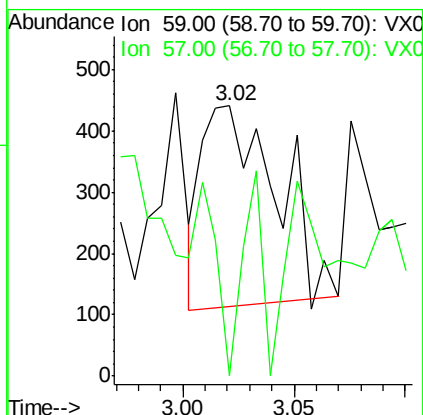
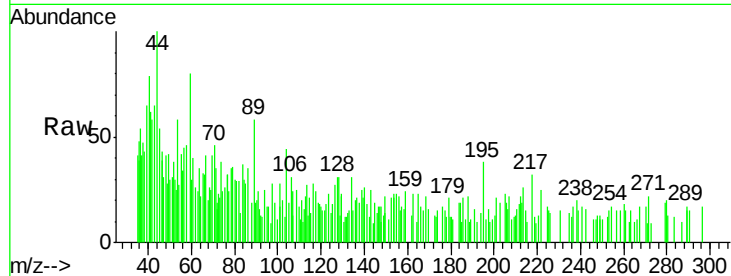


#11

Tert butyl alcohol
Concen: 0.66 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

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

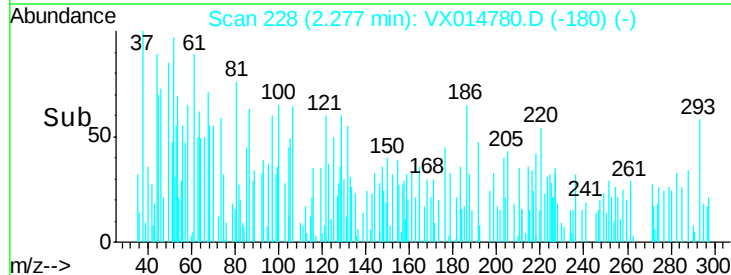
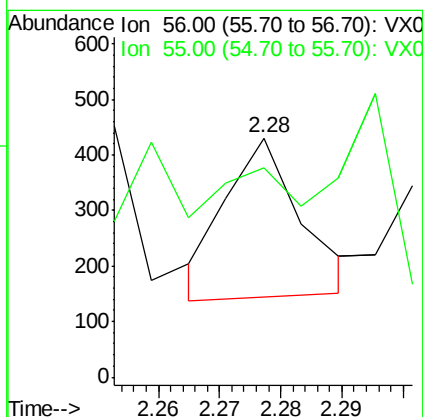
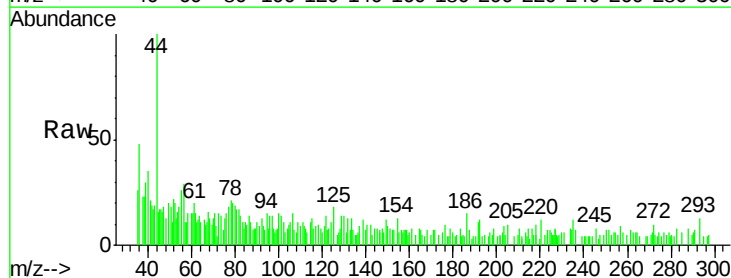
Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 26.5 8.3 12.5#

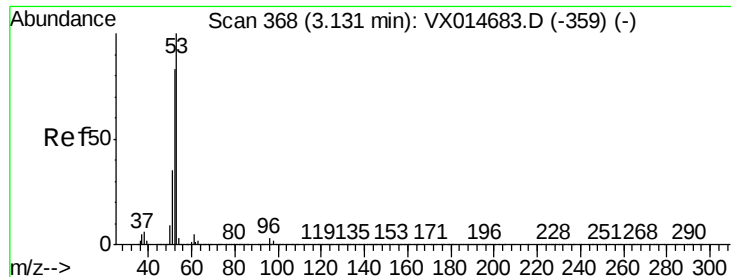


#13

Acrolein
Concen: 0.27 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.02 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

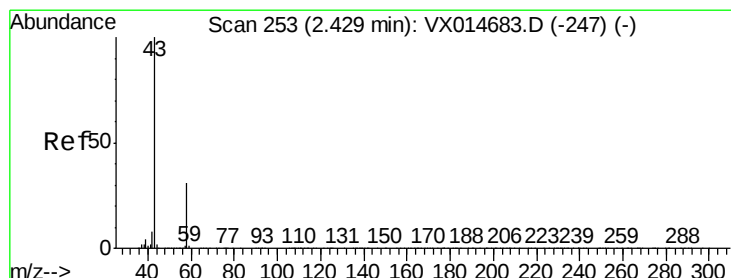
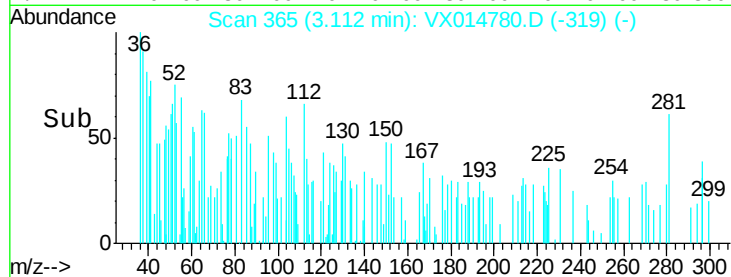
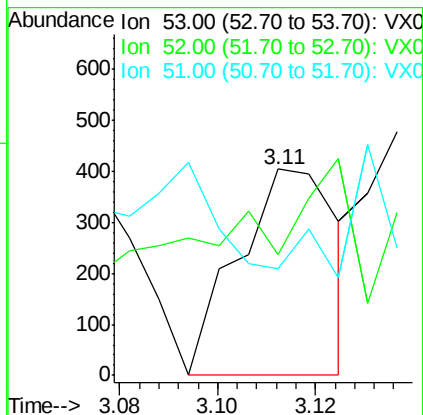
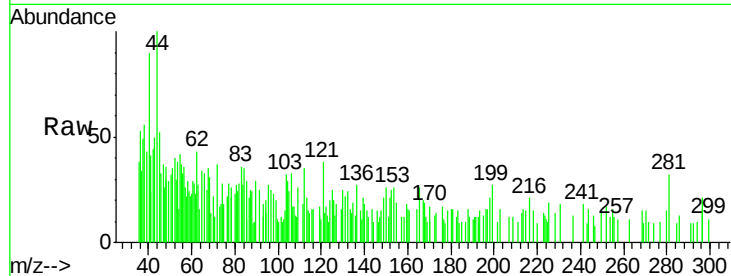
Tgt Ion: 53 Resp: 565

Ion Ratio Lower Upper

53 100

52 130.4 66.4 99.6#

51 86.0 28.7 43.1#



#16

Acetone

Concen: 7.01 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX014780.D

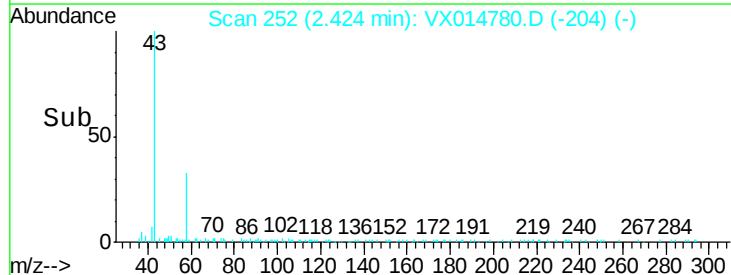
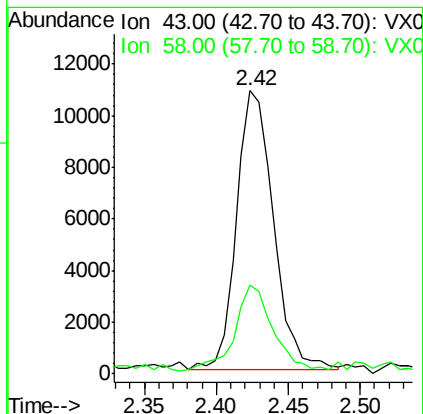
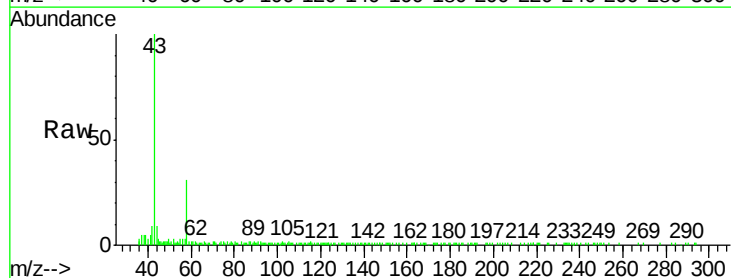
Acq: 31 Jan 2020 14:47

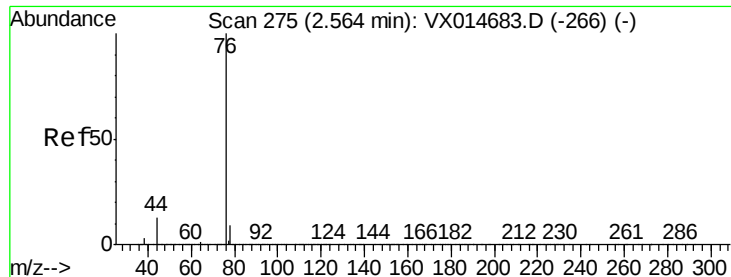
Tgt Ion: 43 Resp: 19142

Ion Ratio Lower Upper

43 100

58 30.5 24.5 36.7





#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

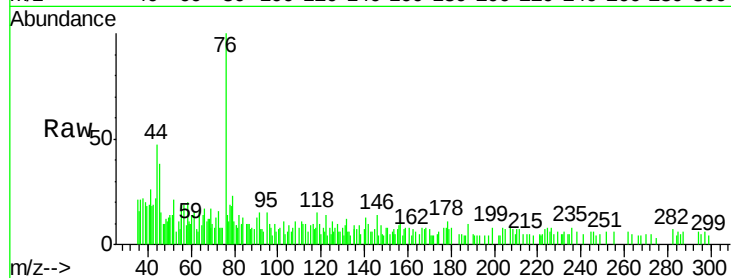
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 76 Resp: 3052

Ion Ratio Lower Upper

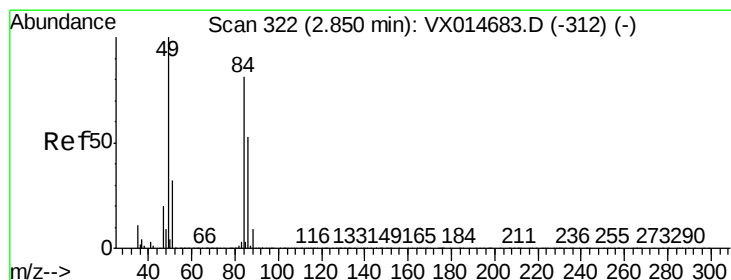
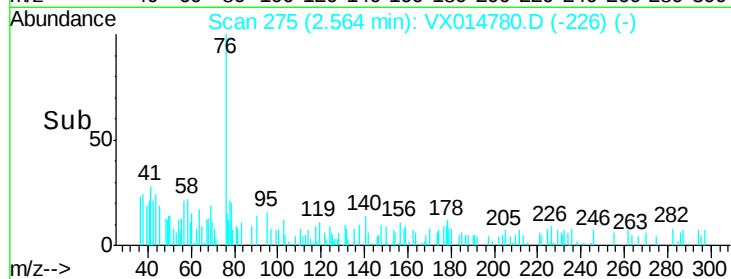
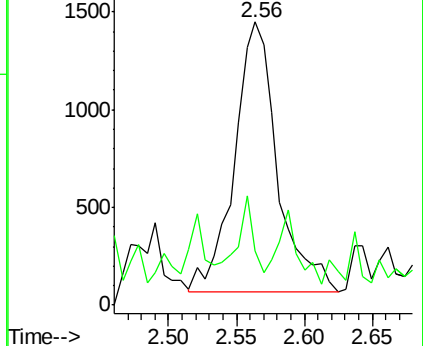
76 100

78 7.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.61 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Tgt Ion: 84 Resp: 3142

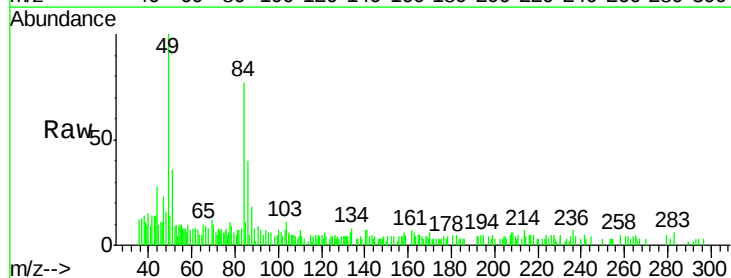
Ion Ratio Lower Upper

84 100

49 127.9 98.2 147.4

51 40.0 31.3 46.9

86 50.6 51.8 77.6#

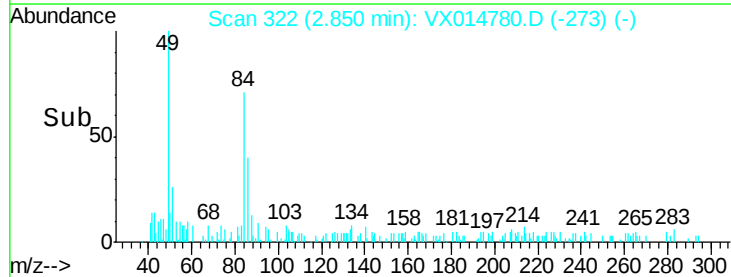
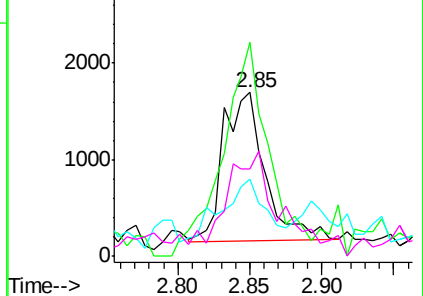


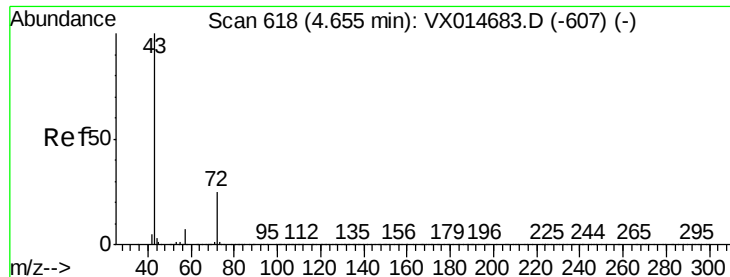
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.90 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

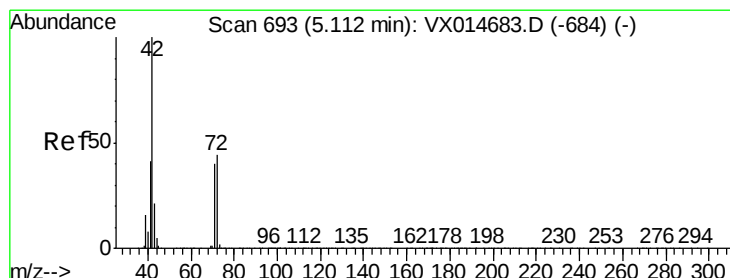
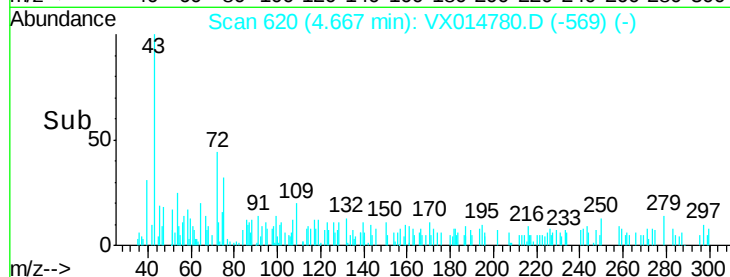
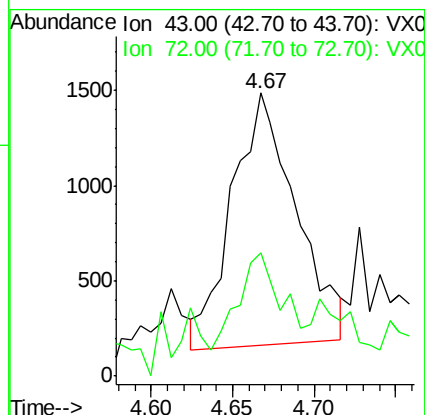
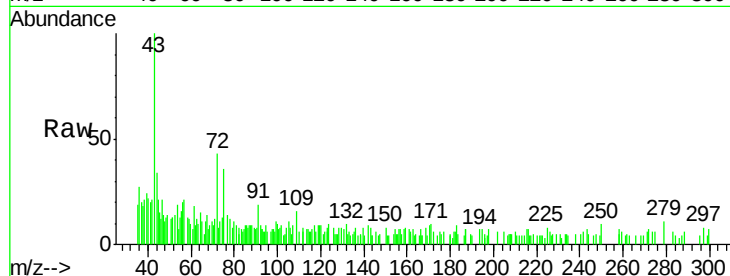
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 3614

Ion Ratio Lower Upper

43 100

72 30.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 5.09 min Scan# 690

Delta R.T. -0.02 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

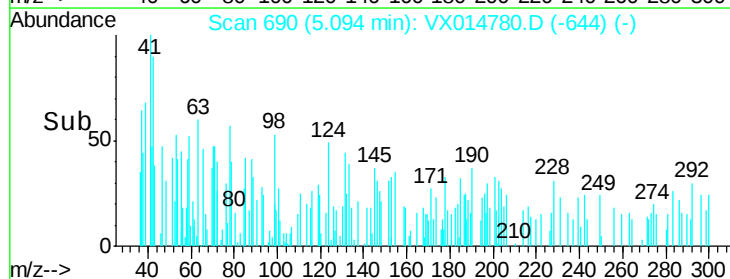
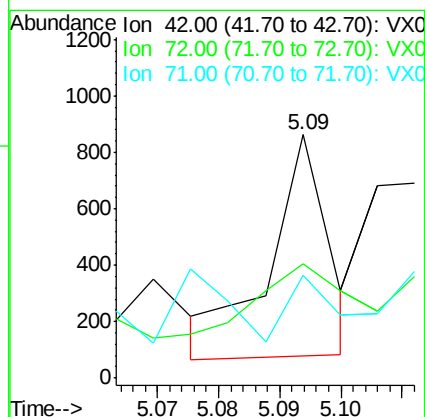
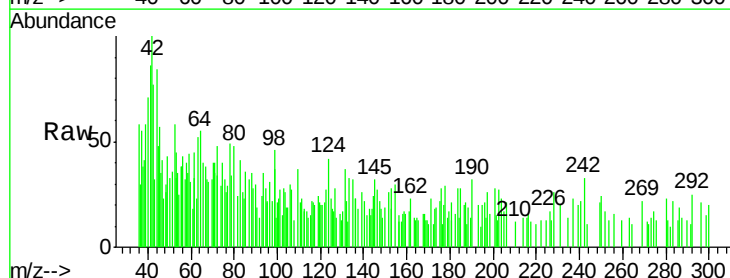
Tgt Ion: 42 Resp: 521

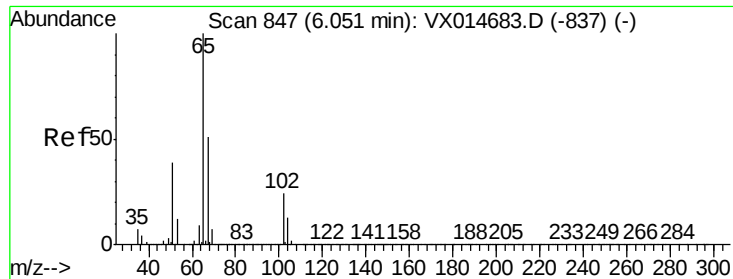
Ion Ratio Lower Upper

42 100

72 80.2 35.3 52.9#

71 23.4 33.1 49.7#





#33

1,2-Dichloroethane-d4

Concen: 50.44 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

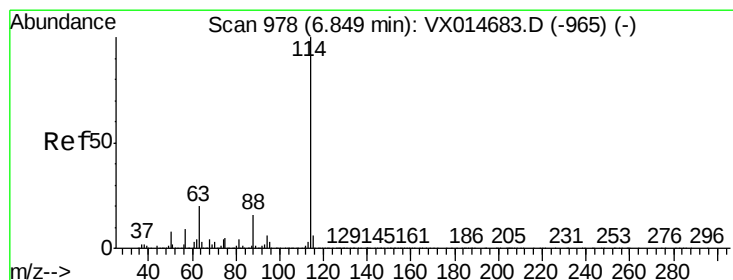
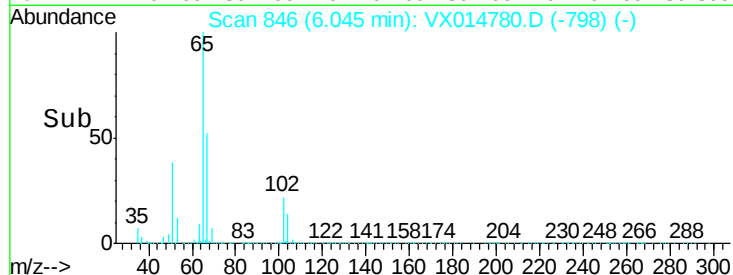
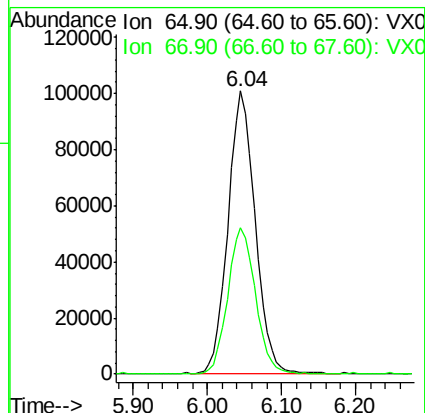
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 256798

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

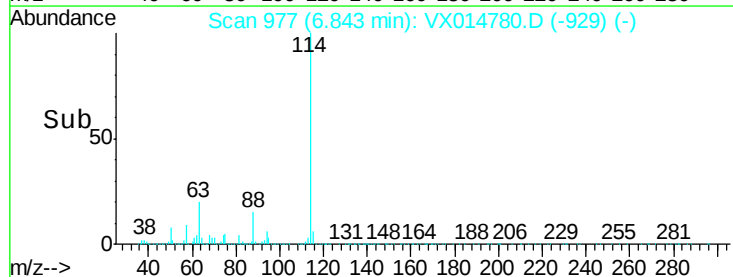
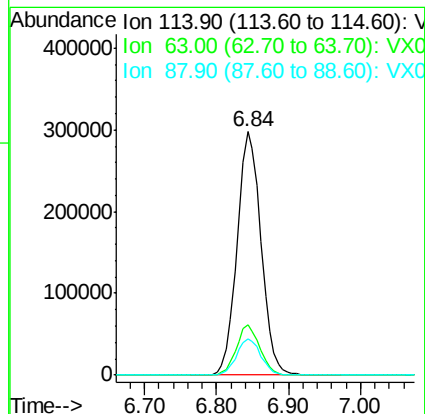
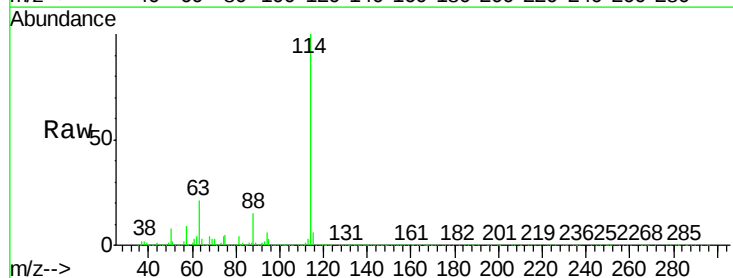
Tgt Ion: 114 Resp: 686995

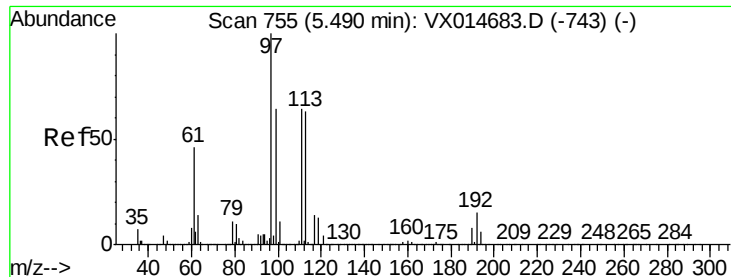
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

88 15.0 0.0 31.2

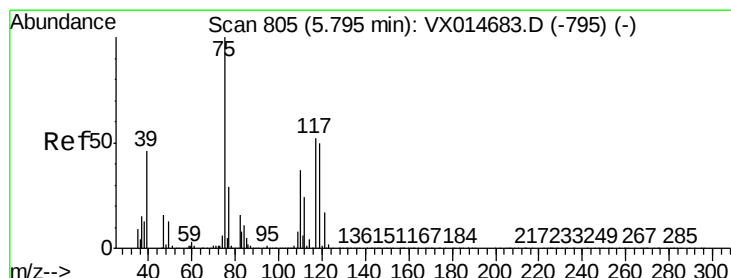
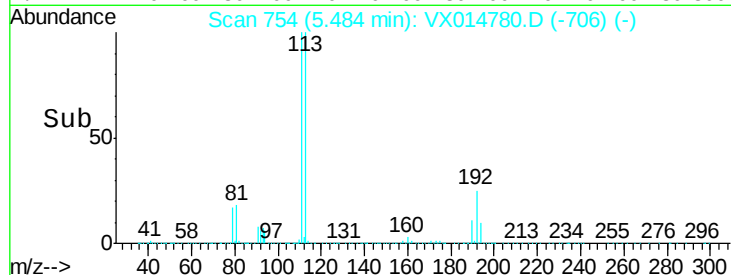
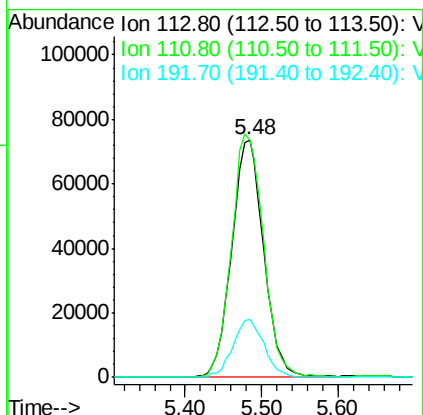
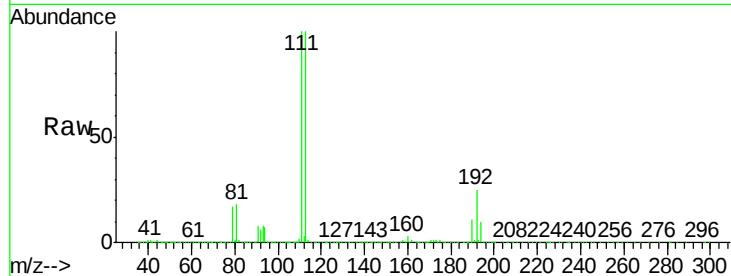




#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014780.D
 Acq: 31 Jan 2020 14:47

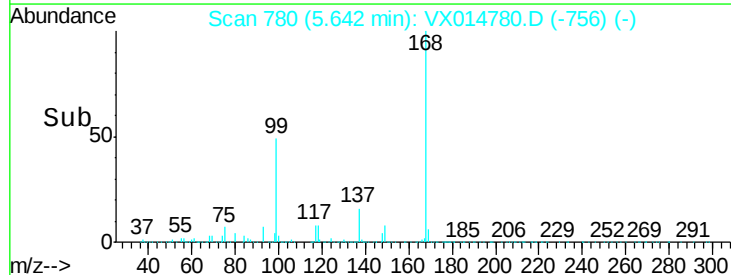
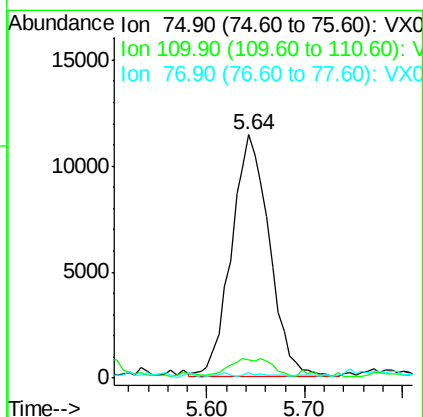
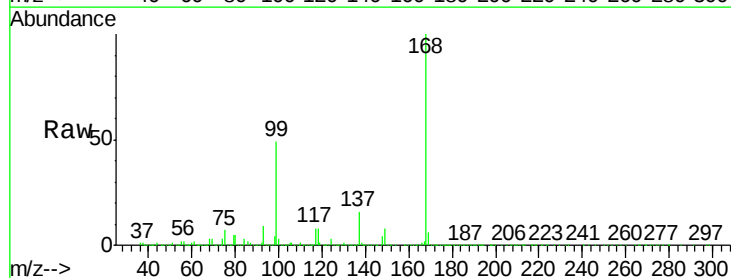
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

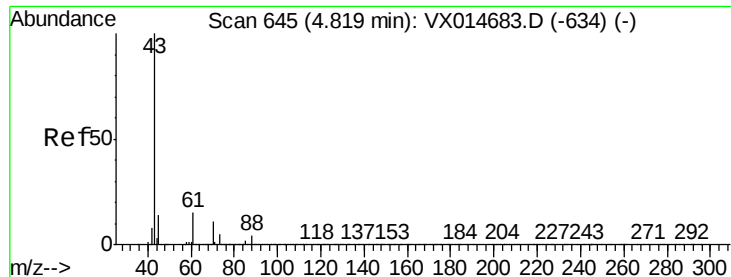
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.7	121.1
192	23.7	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.79 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014780.D
 Acq: 31 Jan 2020 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.9	53.7#
77	0.7	24.1	36.1#

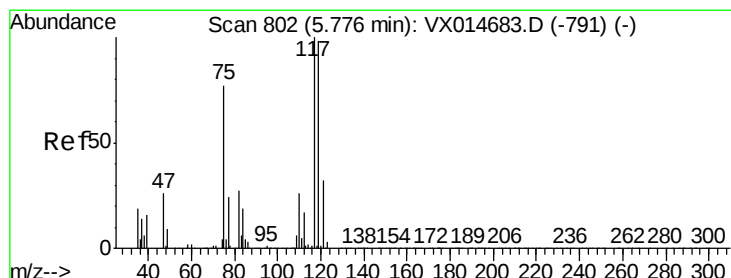
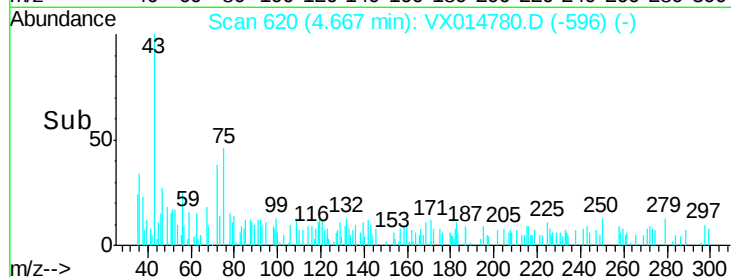
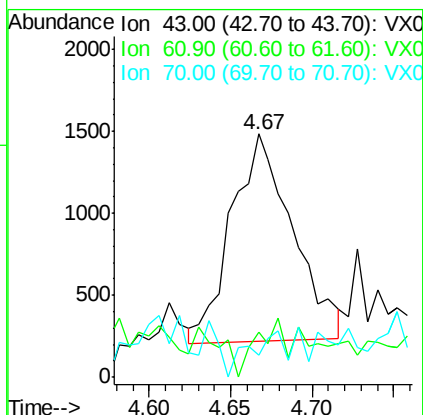
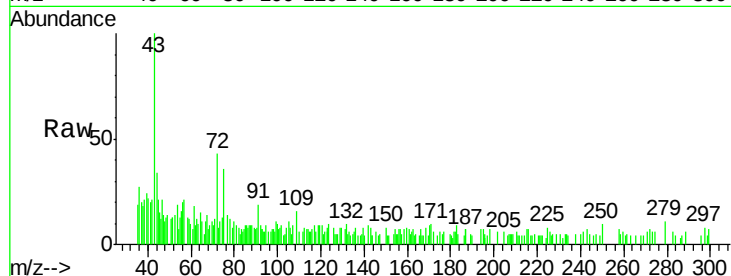




#37
Ethyl Acetate
Concen: 0.45 ug/l
RT: 4.67 min Scan# 620
Delta R.T. -0.15 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

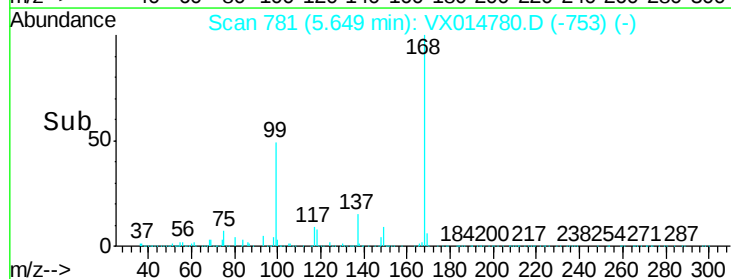
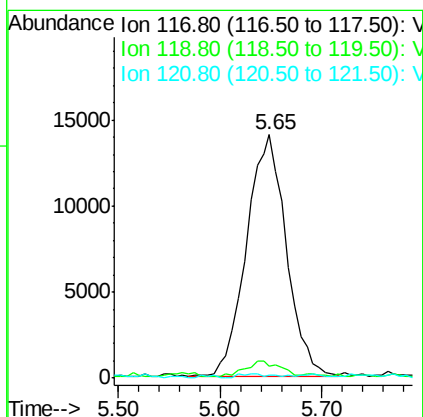
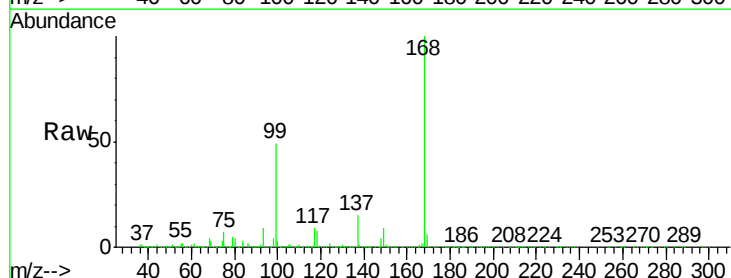
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

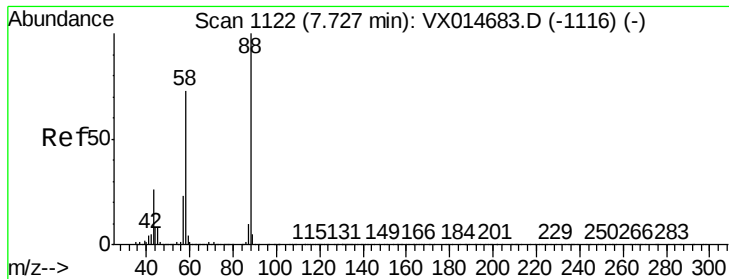
Tgt Ion:	43	Resp:	3299
Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	12.6	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

Tgt Ion:	117	Resp:	38192
Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.9	116.9#
121	1.0	25.4	38.2#





#49

1,4-Dioxane

Concen: 5.32 ug/l

RT: 7.68 min Scan# 1115

Delta R.T. -0.04 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

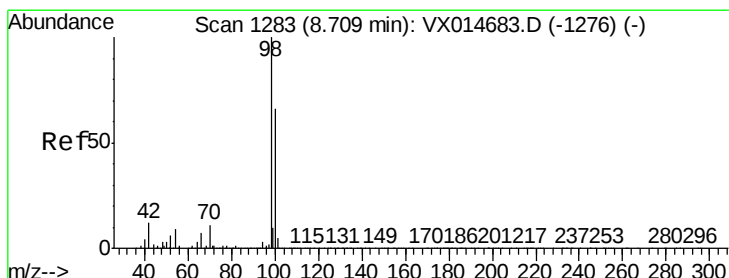
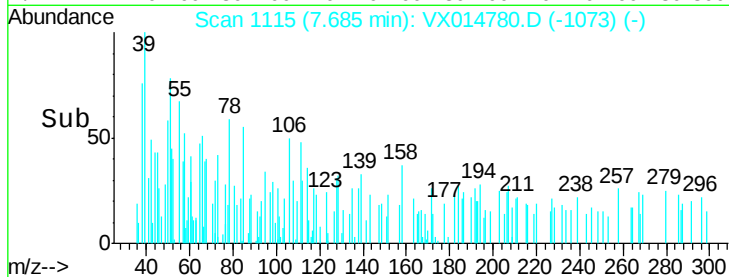
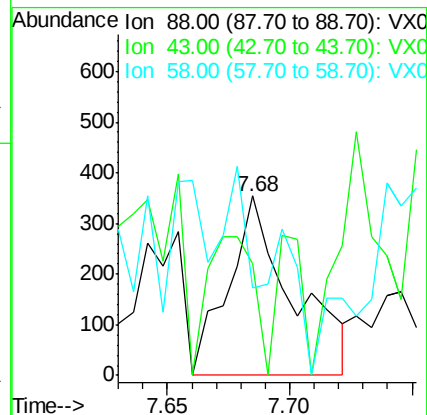
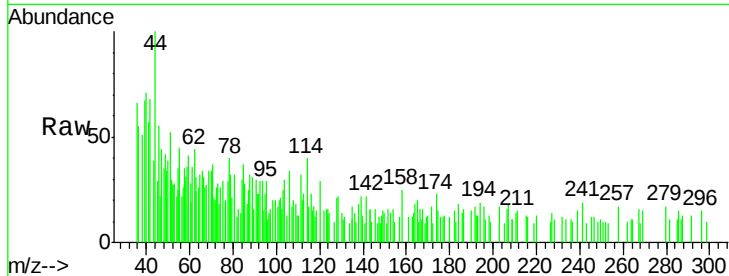
Tgt Ion: 88 Resp: 645

Ion Ratio Lower Upper

88 100

43 30.9 26.2 39.2

58 0.0 56.6 85.0#



#50

Toluene-d8

Concen: 49.00 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014780.D

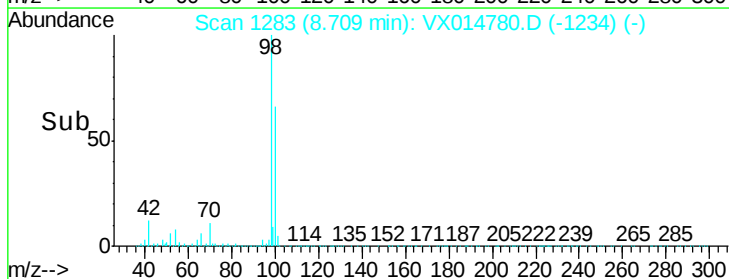
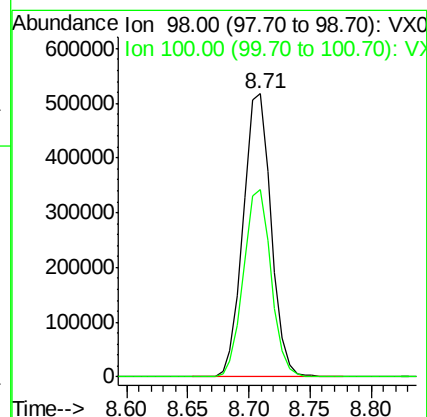
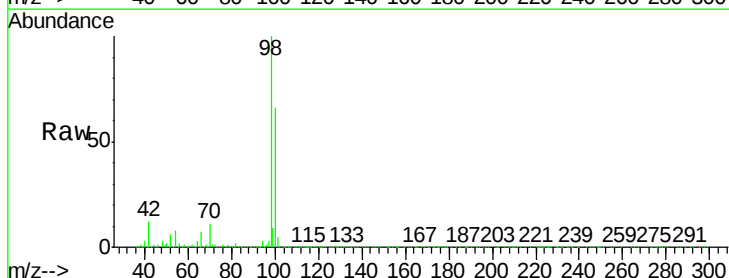
Acq: 31 Jan 2020 14:47

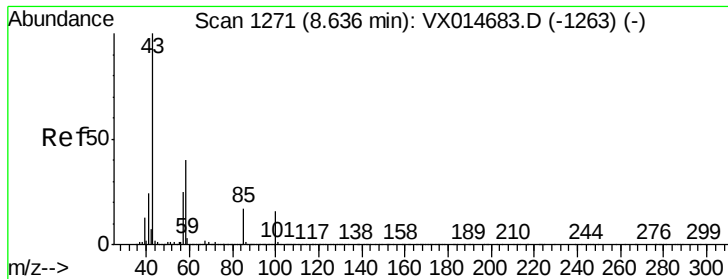
Tgt Ion: 98 Resp: 816645

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

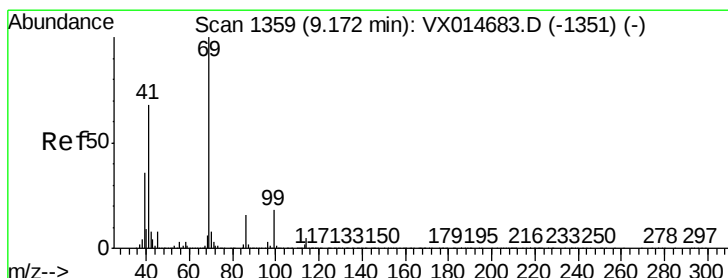
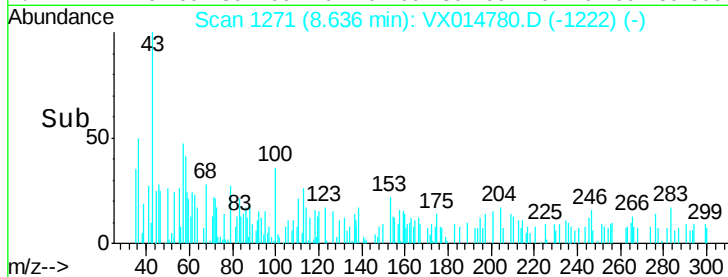
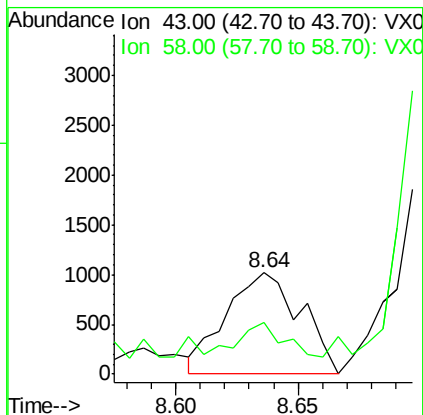
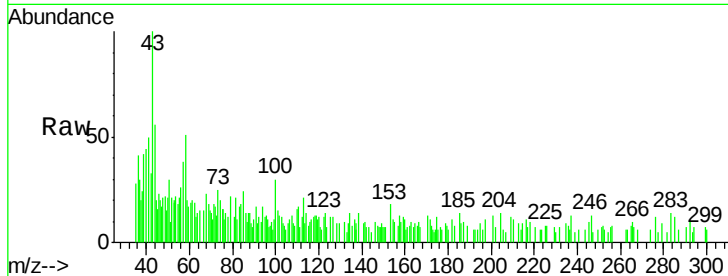




#51
 4-Methyl-2-Pentanone
 Concen: 0.29 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014780.D
 Acq: 31 Jan 2020 14:47

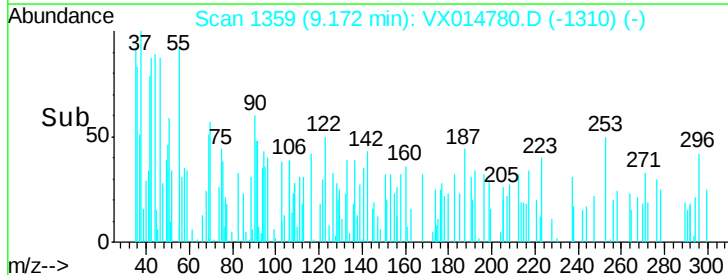
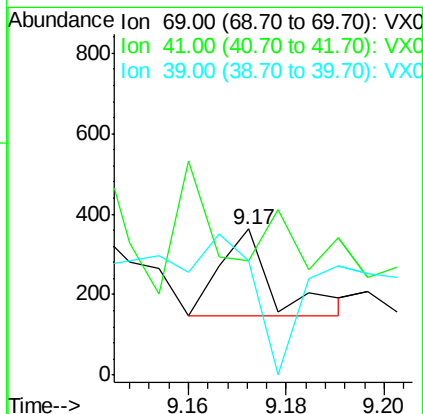
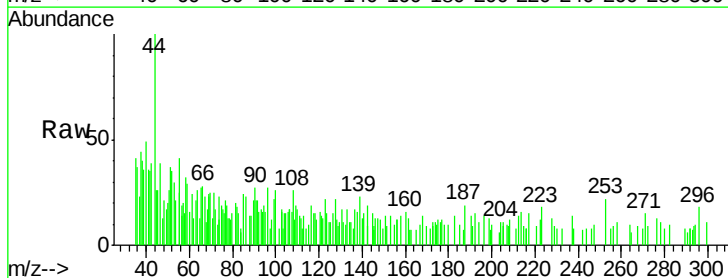
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

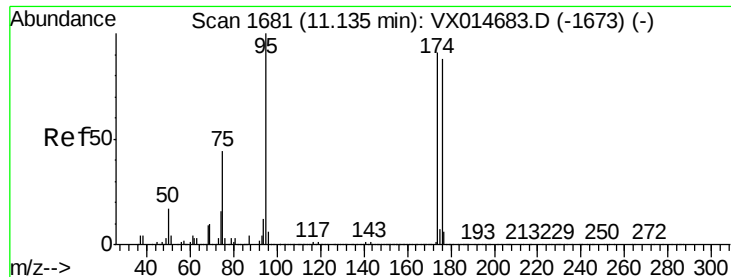
Tgt Ion: 43 Resp: 2171
 Ion Ratio Lower Upper
 43 100
 58 28.0 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 1.80 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014780.D
 Acq: 31 Jan 2020 14:47

Tgt Ion: 69 Resp: 168
 Ion Ratio Lower Upper
 69 100
 41 110.1 54.9 82.3#
 39 0.0 29.3 43.9#

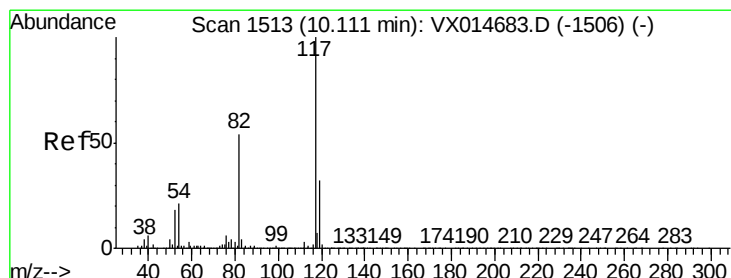
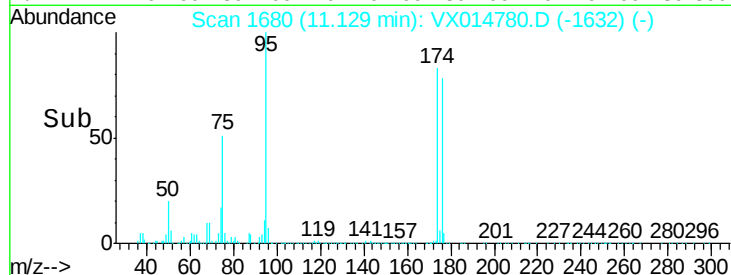
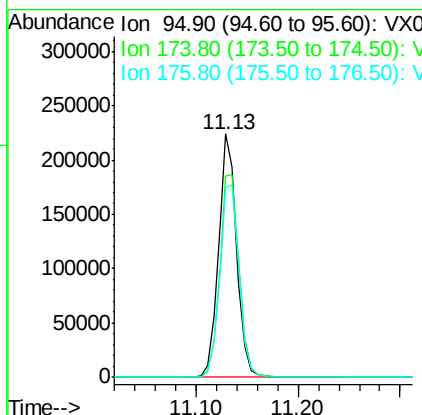
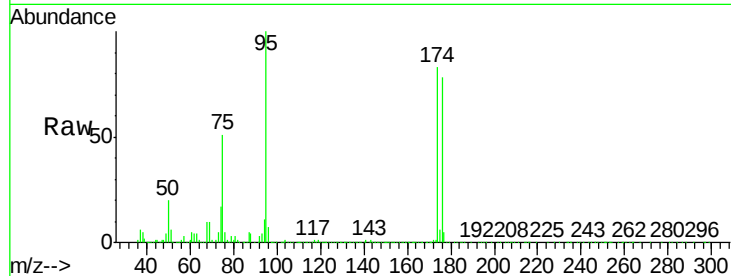




#62
4-Bromofluorobenzene
Concen: 46.63 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

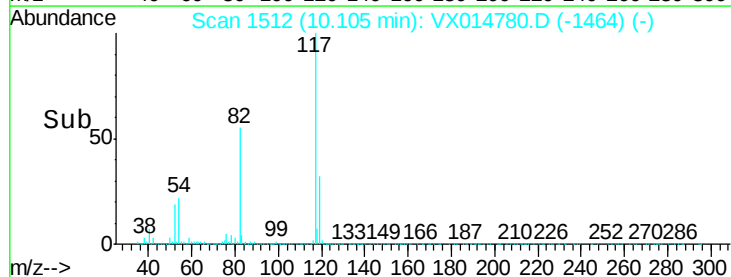
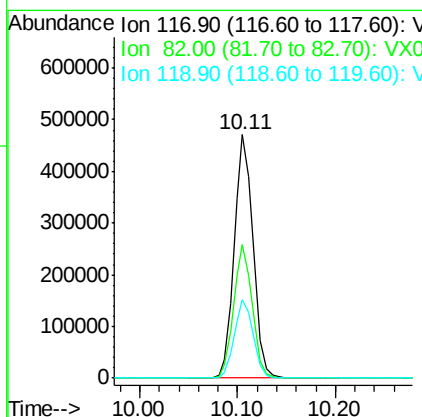
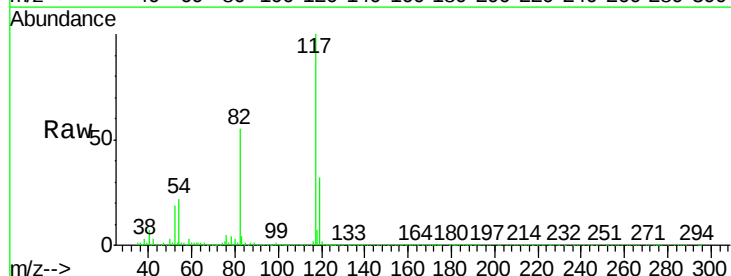
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

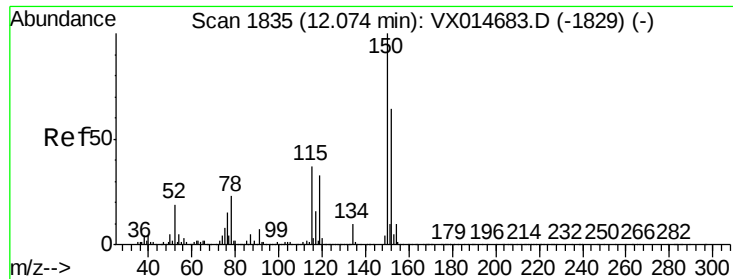
Tgt Ion: 95 Resp: 276805
Ion Ratio Lower Upper
95 100
174 89.4 0.0 176.0
176 85.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014780.D
Acq: 31 Jan 2020 14:47

Tgt Ion: 117 Resp: 626407
Ion Ratio Lower Upper
117 100
82 54.6 43.2 64.8
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

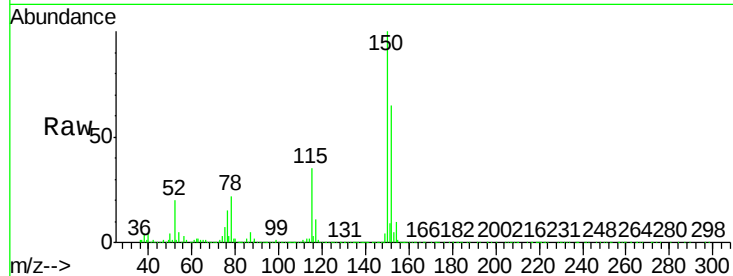
Tgt Ion: 152 Resp: 279989

Ion Ratio Lower Upper

152 100

115 55.3 39.4 118.1

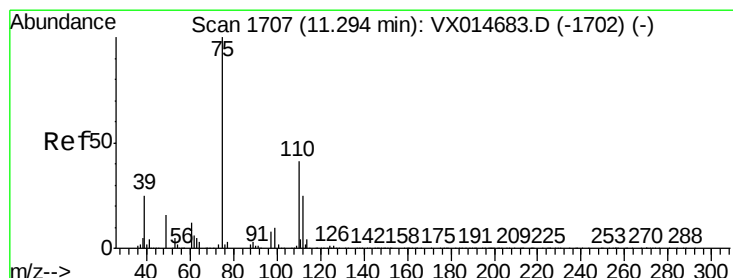
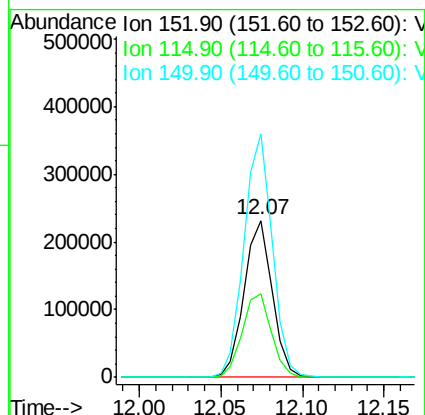
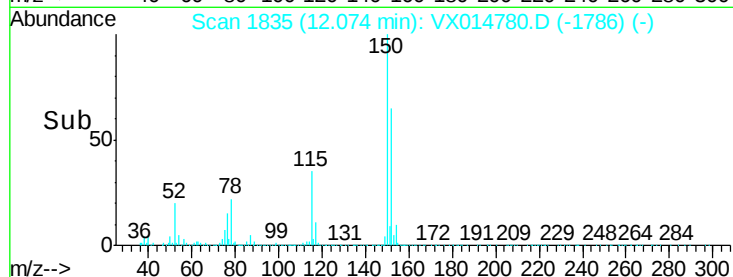
150 156.1 0.0 351.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.03 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014780.D

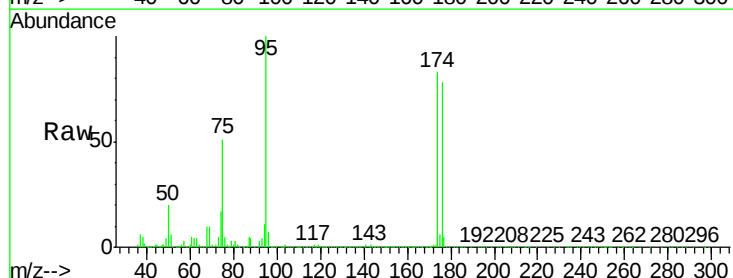
Acq: 31 Jan 2020 14:47

Tgt Ion: 75 Resp: 137002

Ion Ratio Lower Upper

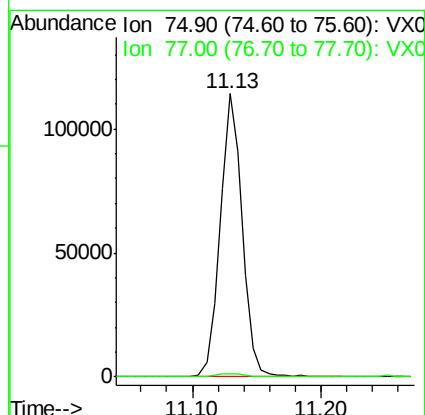
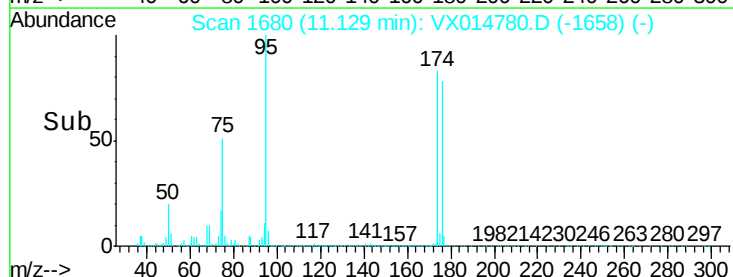
75 100

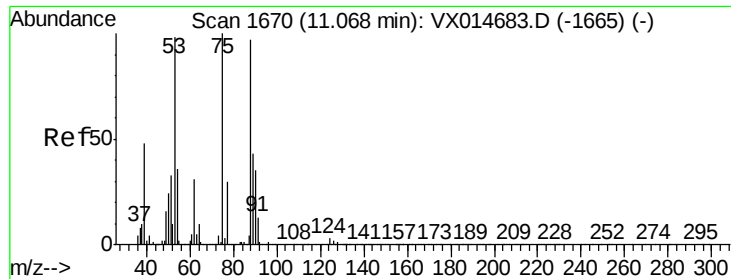
77 1.9 18.7 56.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.85 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

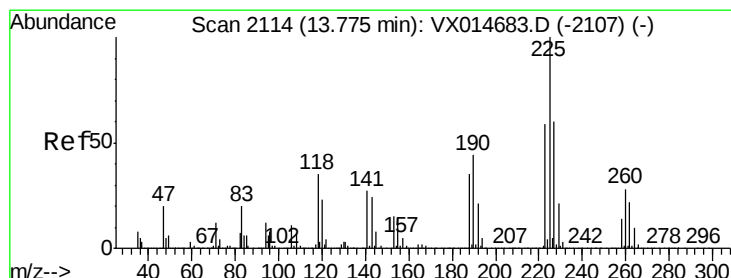
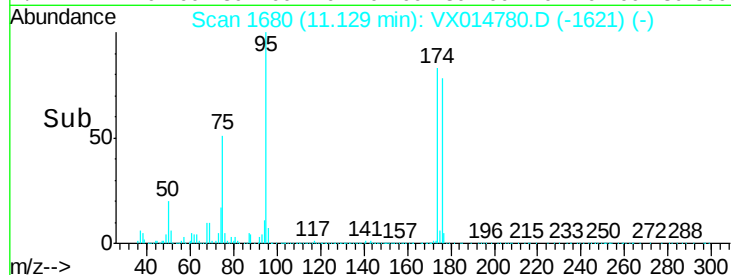
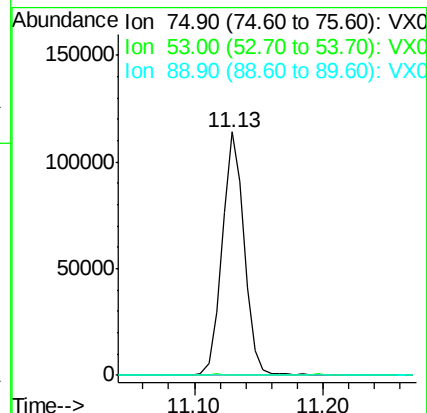
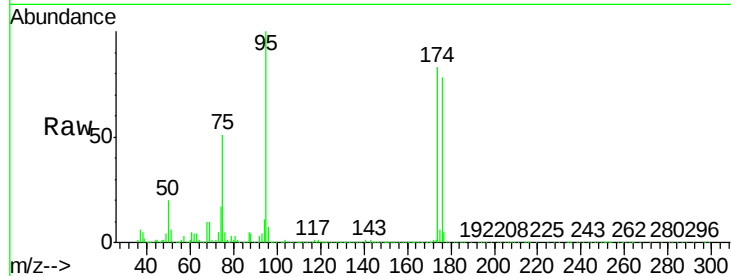
Tgt Ion: 75 Resp: 137002

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.2 35.4 53.0#



#94

Hexachlorobutadiene

Concen: 0.22 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

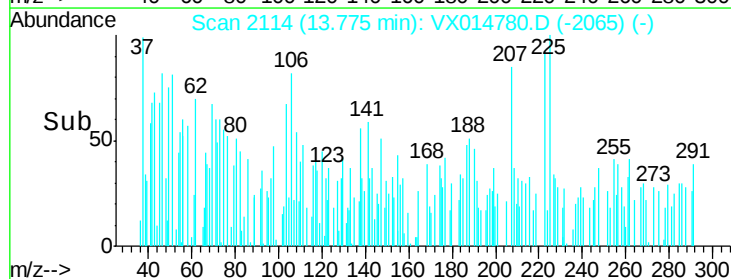
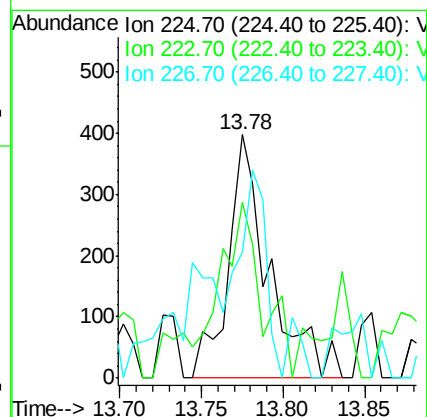
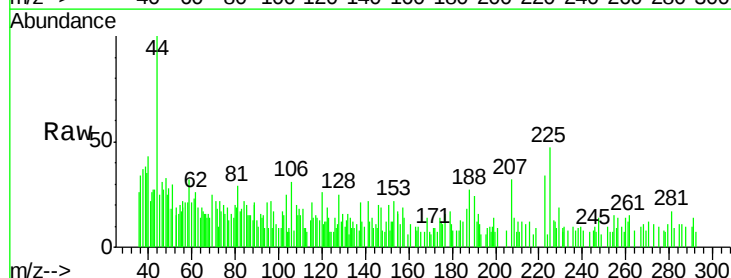
Tgt Ion: 225 Resp: 688

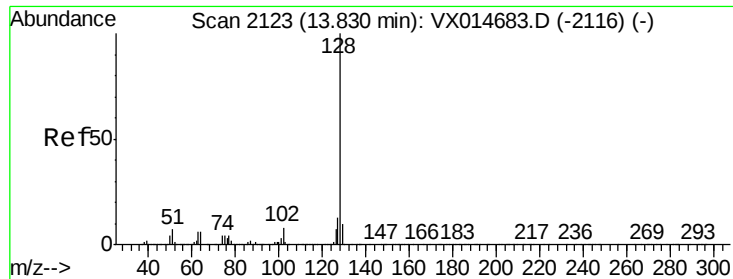
Ion Ratio Lower Upper

225 100

223 73.7 30.6 91.8

227 57.4 31.4 94.0





#95

Naphthalene

Concen: 1.11 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014780.D

Acq: 31 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

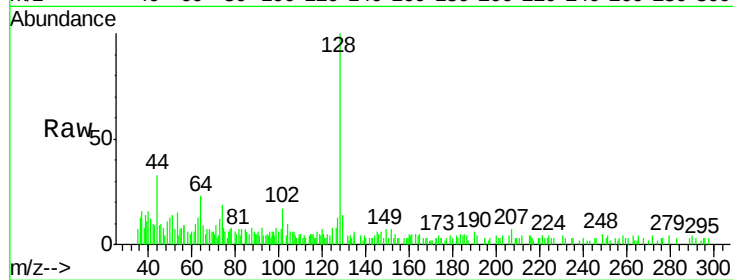
Tgt Ion:128 Resp: 3583

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 16.7 8.6 12.8#



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

