

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011020\
 Data File : VX014536.D
 Acq On : 10 Jan 2020 14:49
 Operator : JC/SP
 Sample : L1092-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 10 15:46:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	507253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	777337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	696763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	318390	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	277705	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	5.49	113	232119	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.71	98	916179	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.14	95	312057	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

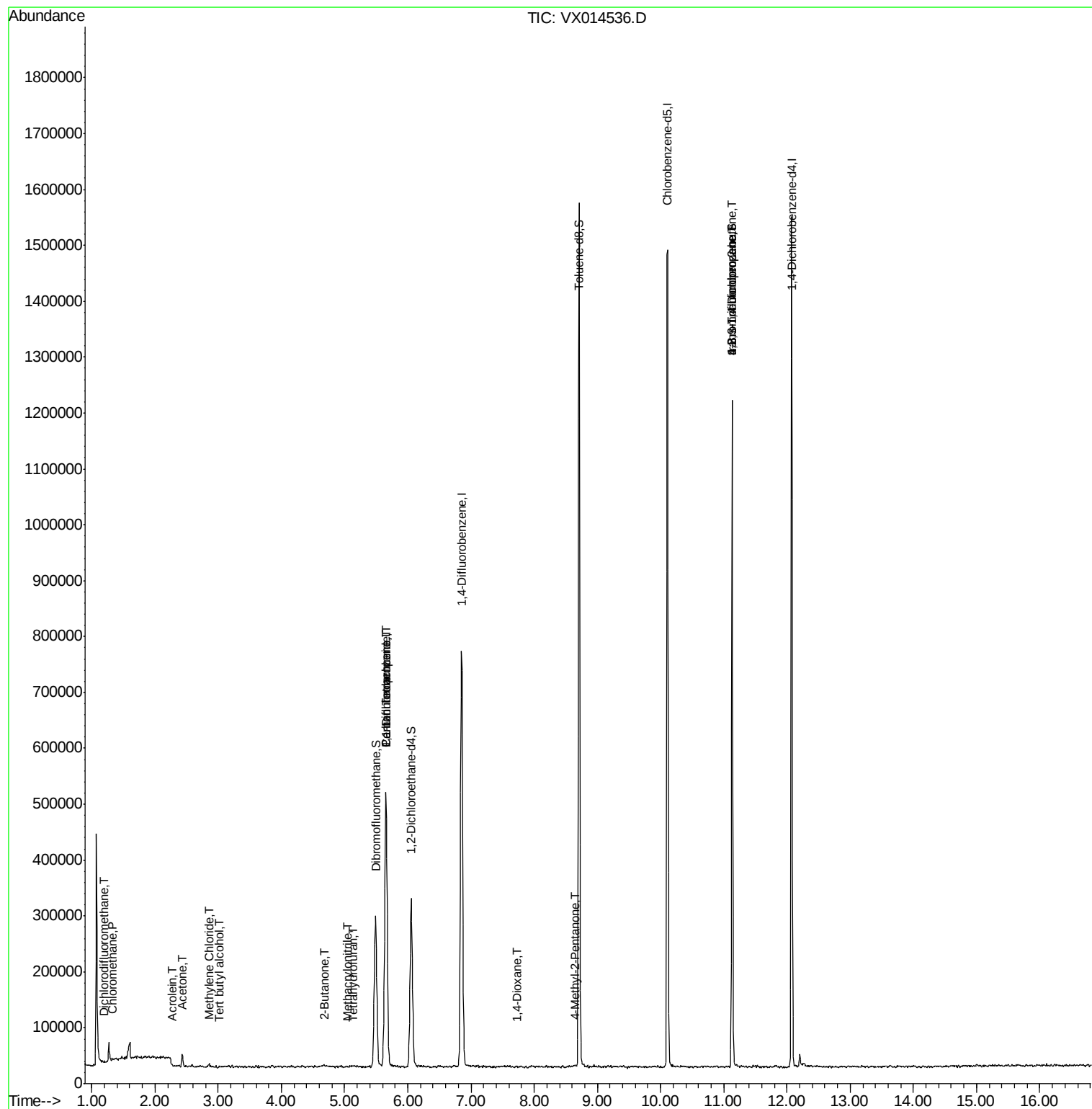
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	300	0.300	ug/l #	68
3) Chloromethane	1.32	50	1402	0.217	ug/l #	40
6) Chloroethane	1.78	64	1494	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1446	1.223	ug/l #	22
13) Acrolein	2.28	56	330	0.348	ug/l #	34
16) Acetone	2.43	43	22260	3.724	ug/l	95
20) Methylene Chloride	2.84	84	3390	0.595	ug/l #	83
25) 2-Butanone	4.67	43	4652	1.100	ug/l	97
29) Tetrahydrofuran	5.13	42	2330	0.932	ug/l	90
36) 1,1-Dichloropropene	5.65	75	33582	4.594	ug/l #	42
38) Carbon Tetrachloride	5.65	117	45718	6.796	ug/l #	17
41) Methacrylonitrile	5.04	41	1104	0.261	ug/l #	30
49) 1,4-Dioxane	7.73	88	341	2.620	ug/l #	54
51) 4-Methyl-2-Pentanone	8.64	43	2559	0.327	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	152663	23.174	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	152663	61.269	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	651	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.63	180	778	Below Cal	#	20
96) 1,2,3-Trichlorobenzene	14.02	180	421	Below Cal		73

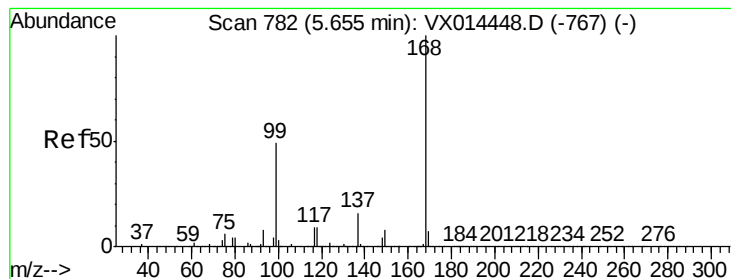
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011020\
Data File : VX014536.D
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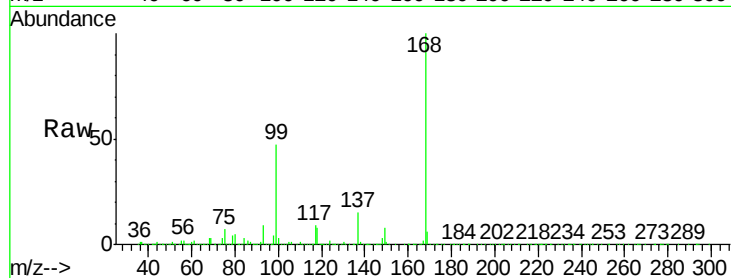


#1

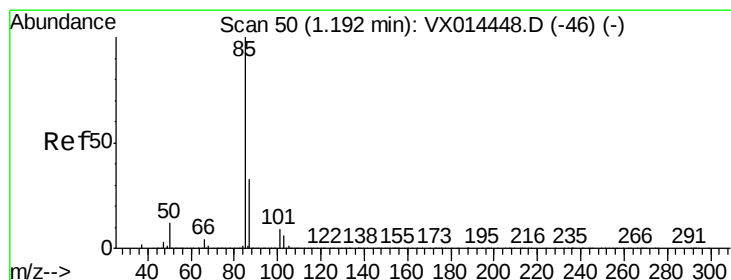
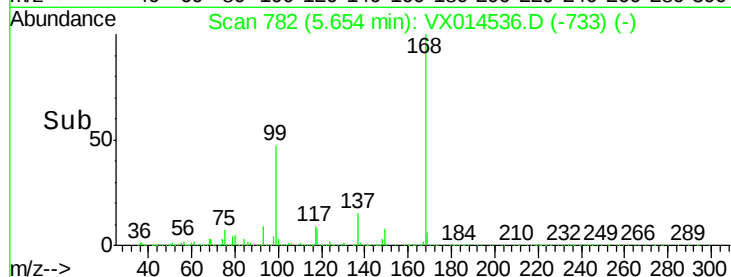
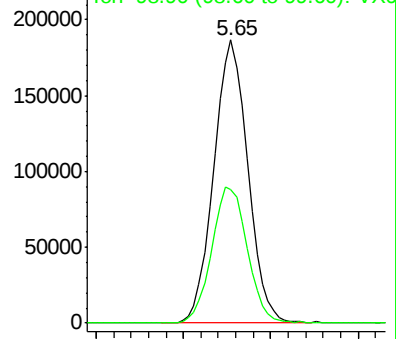
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

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

Tgt Ion: 168 Resp: 507253
 Ion Ratio Lower Upper
 168 100
 99 47.3 39.2 58.8



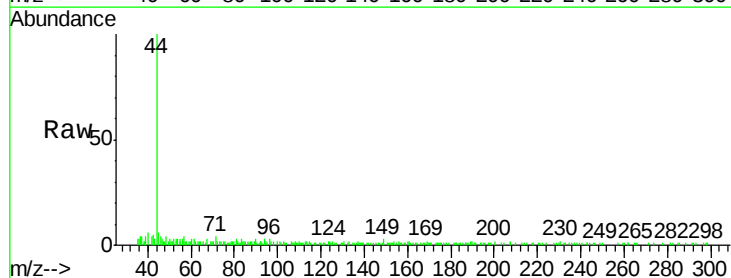
Abundance Ion 167.90 (167.60 to 168.60): V



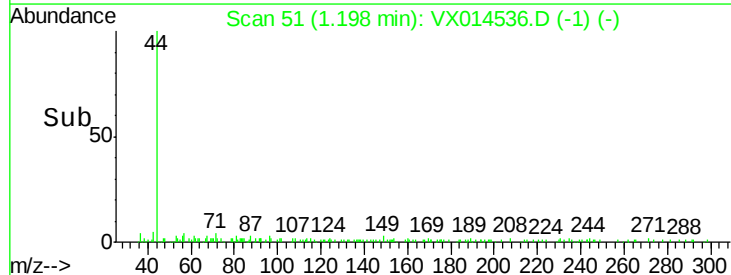
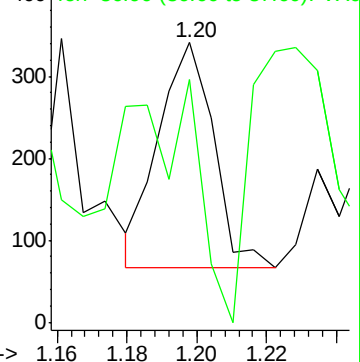
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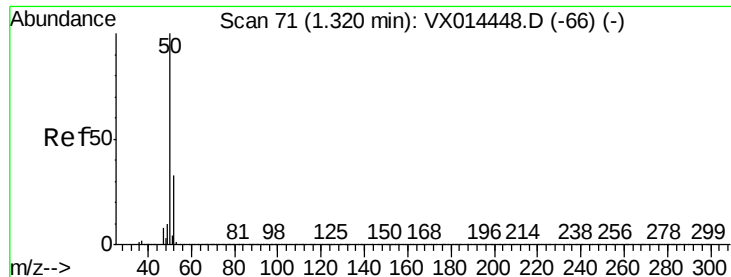
Dichlorodifluoromethane
 Concen: 0.300 ug/l
 RT: 1.20 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

Tgt Ion: 85 Resp: 300
 Ion Ratio Lower Upper
 85 100
 87 14.7 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0





#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

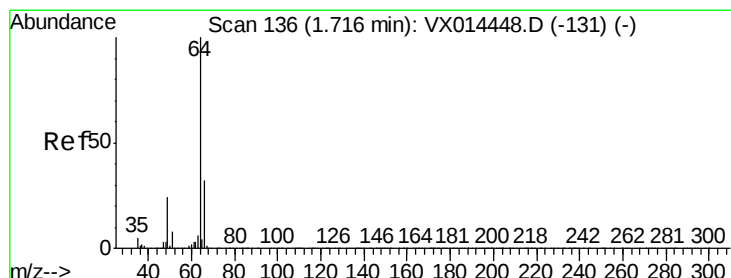
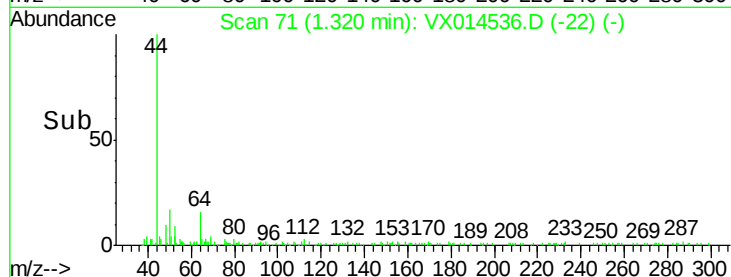
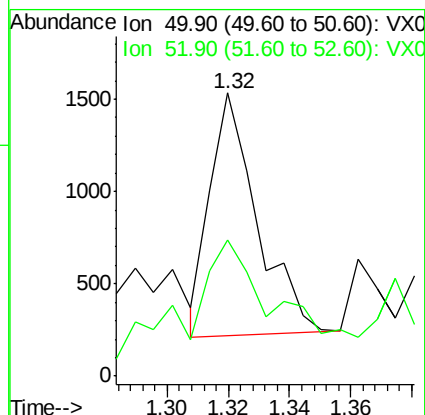
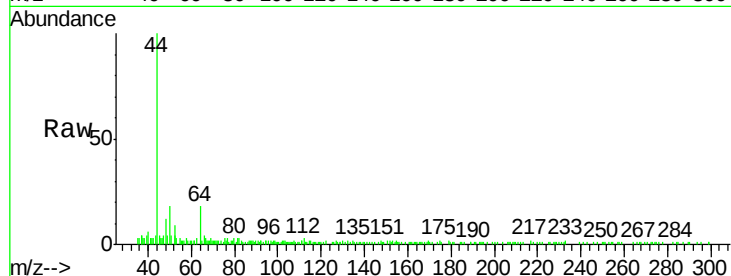
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 50 Resp: 1402

Ion Ratio Lower Upper

50 100

52 66.3 26.1 39.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 147

Delta R.T. 0.07 min

Lab File: VX014536.D

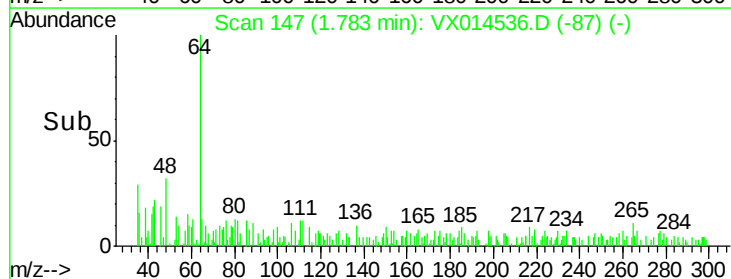
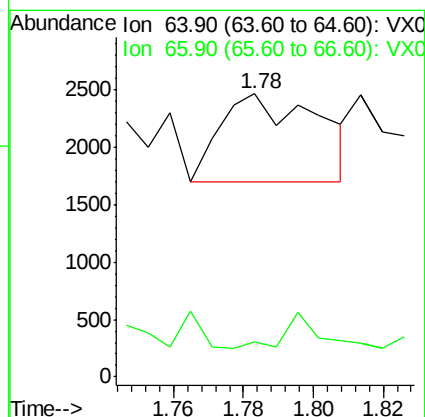
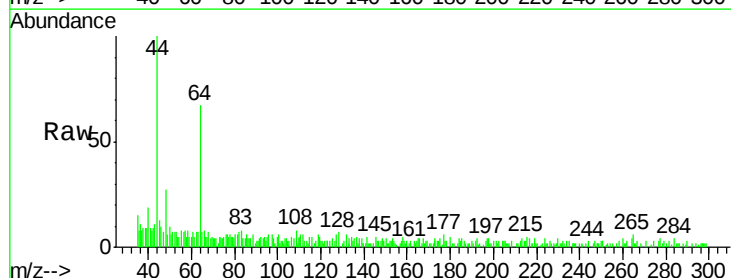
Acq: 10 Jan 2020 14:49

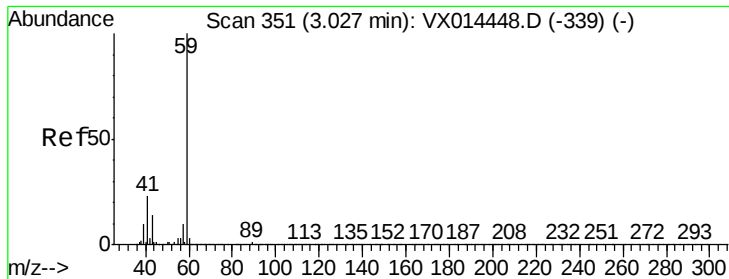
Tgt Ion: 64 Resp: 1494

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

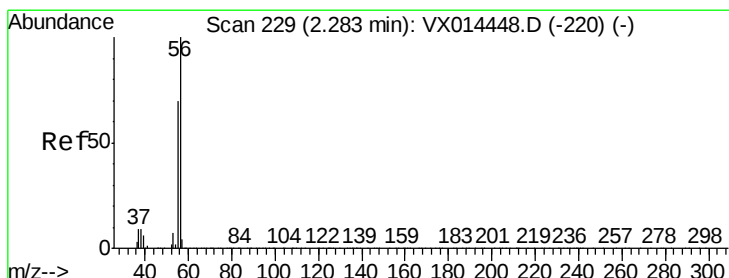
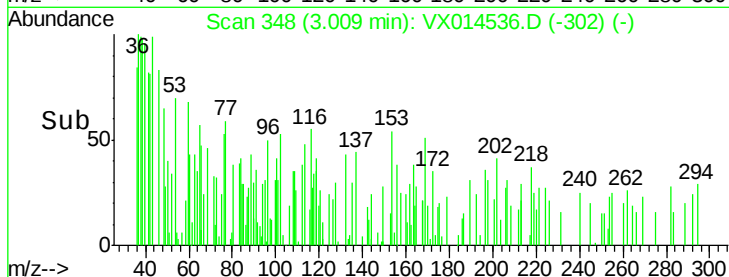
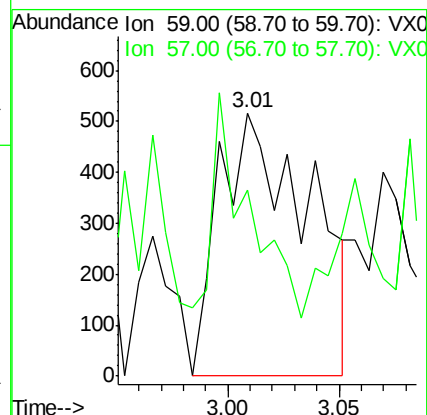
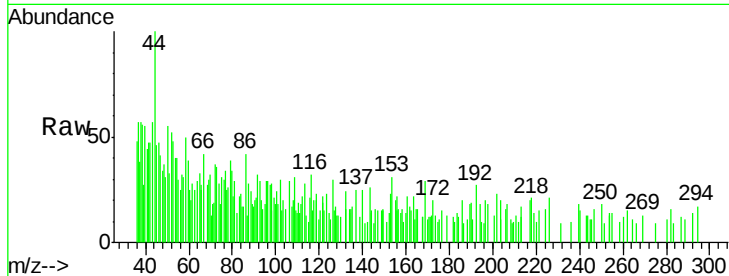




#11
Tert butyl alcohol
Concen: 1.223 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014536.D
Acq: 10 Jan 2020 14:49

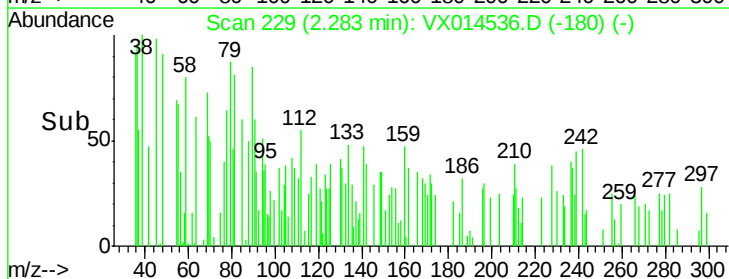
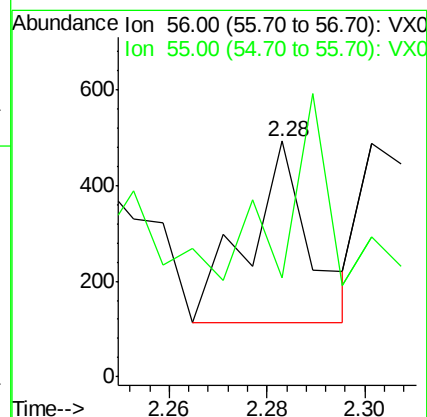
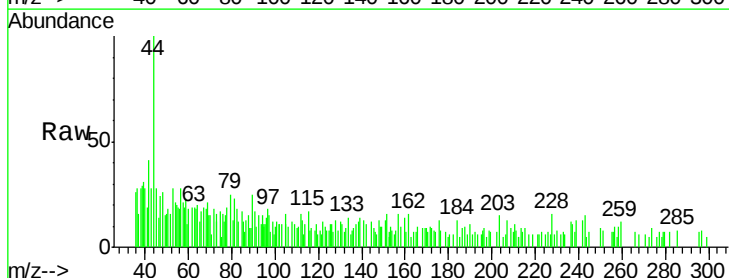
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

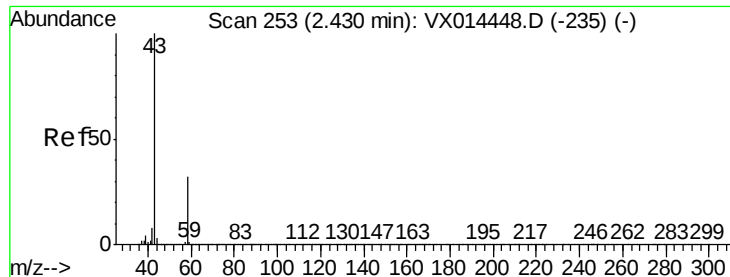
Tgt Ion: 59 Resp: 1446
Ion Ratio Lower Upper
59 100
57 39.8 8.5 12.7#



#13
Acrolein
Concen: 0.348 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX014536.D
Acq: 10 Jan 2020 14:49

Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 122.7 55.0 82.6#





#16

Acetone

Concen: 3.724 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

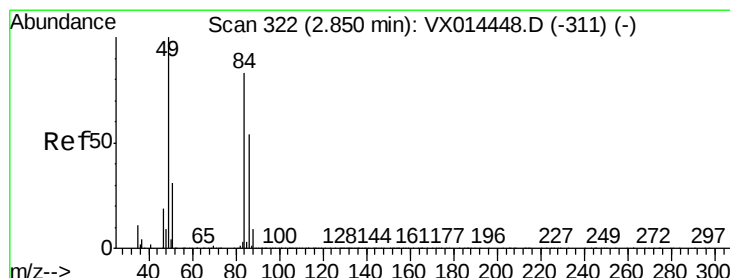
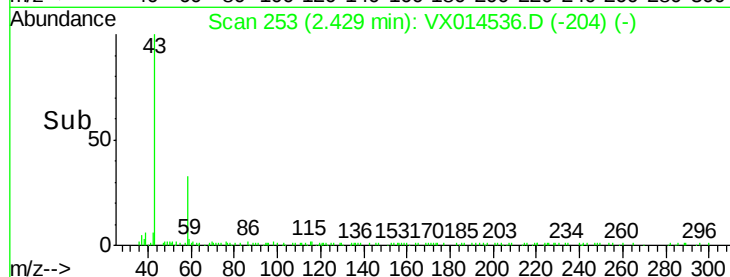
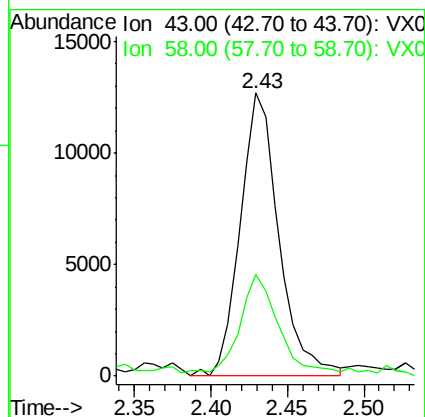
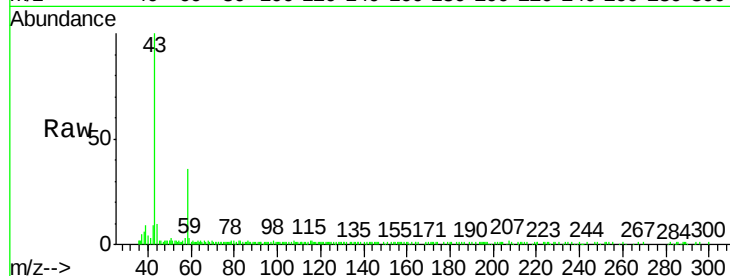
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 22260

Ion Ratio Lower Upper

43 100

58 34.6 25.4 38.0



#20

Methylene Chloride

Concen: 0.595 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Tgt Ion: 84 Resp: 3390

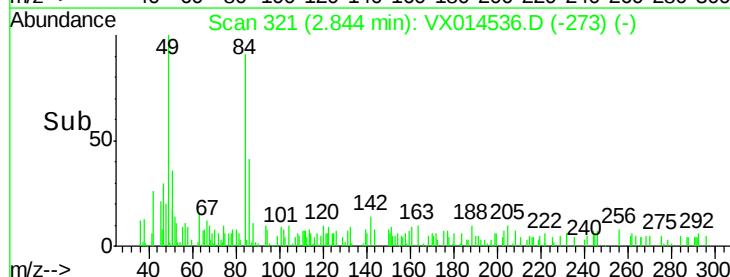
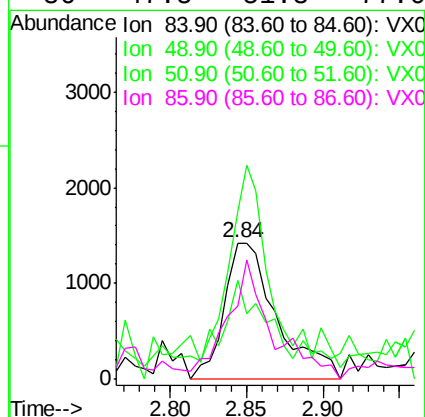
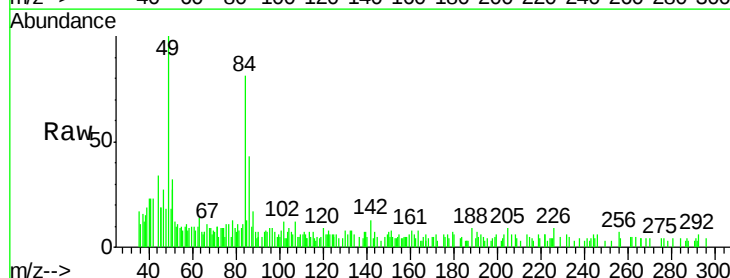
Ion Ratio Lower Upper

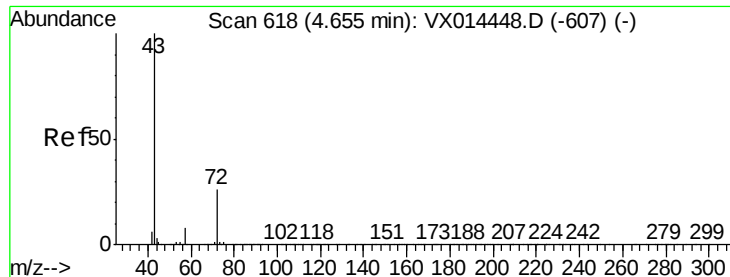
84 100

49 106.5 95.8 143.8

51 53.6 30.2 45.4#

86 47.5 51.8 77.6#





#25

2-Butanone

Concen: 1.100 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

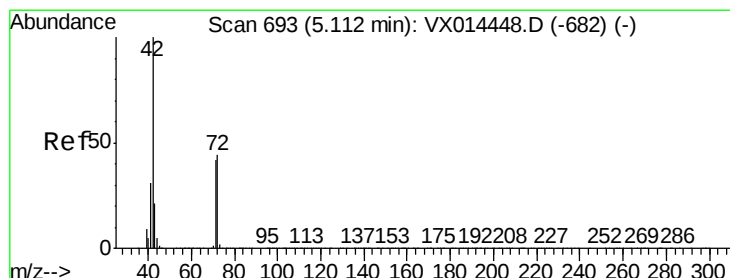
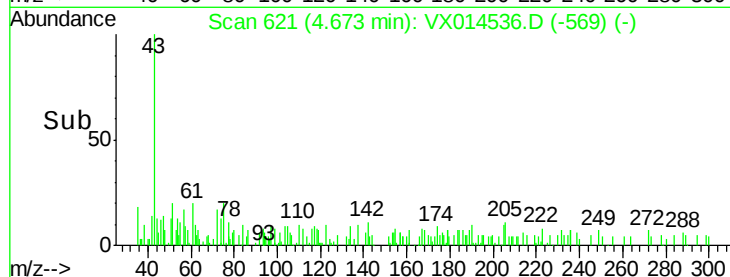
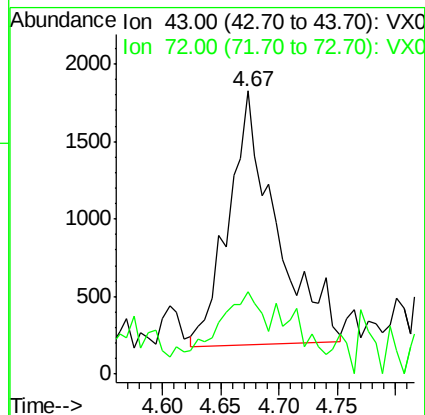
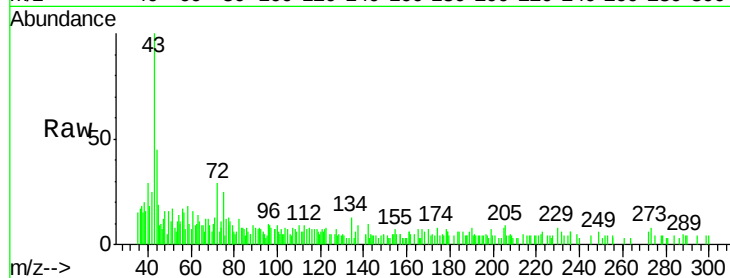
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 4652

Ion Ratio Lower Upper

43 100

72 24.1 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.932 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

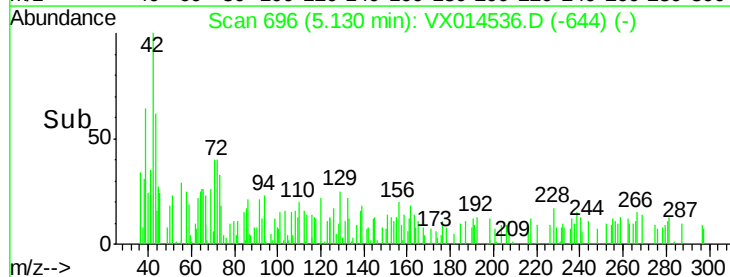
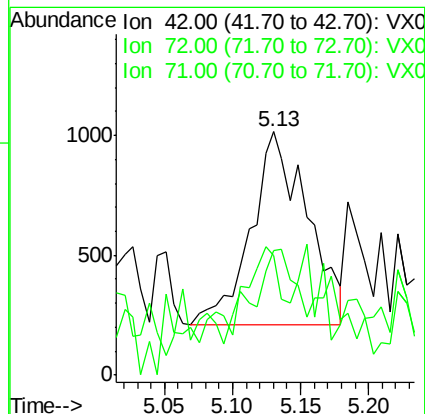
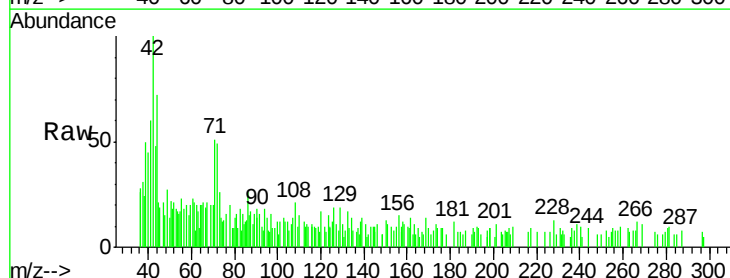
Tgt Ion: 42 Resp: 2330

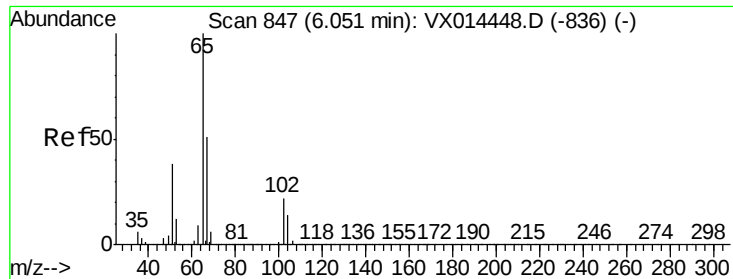
Ion Ratio Lower Upper

42 100

72 38.3 36.2 54.4

71 37.1 34.1 51.1





#33

1,2-Dichloroethane-d4

Concen: 49.041 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

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ClientSampleId :

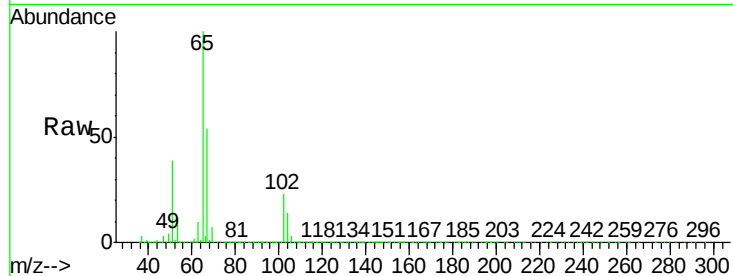
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 277705

Ion Ratio Lower Upper

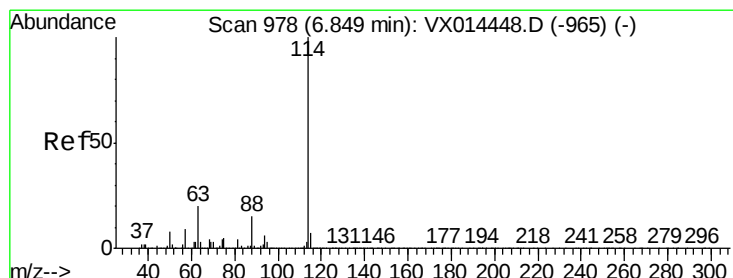
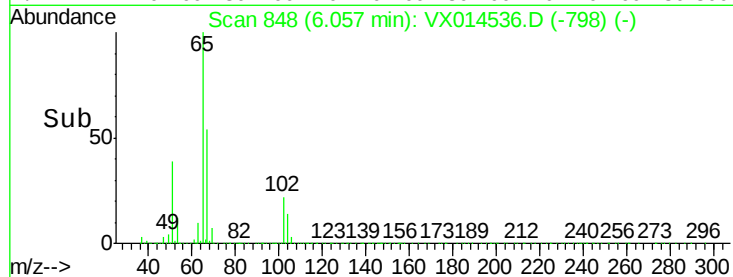
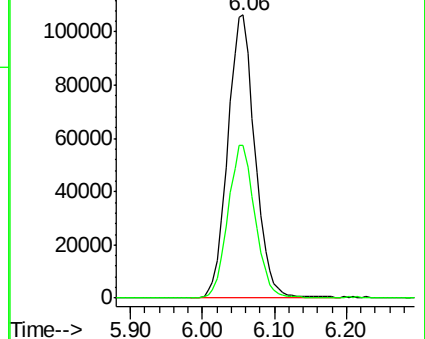
65 100

67 54.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

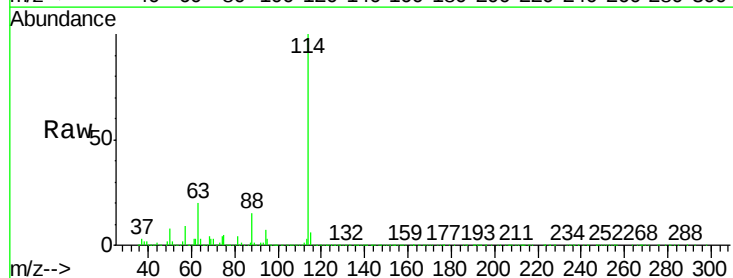
Tgt Ion: 114 Resp: 777337

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

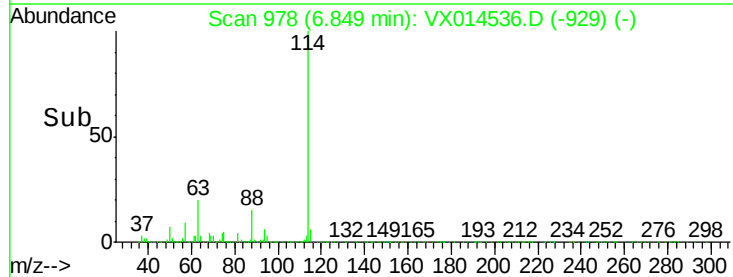
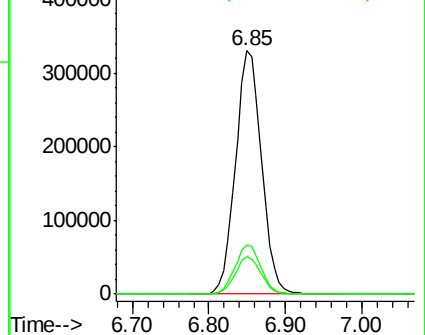
88 15.4 0.0 30.8

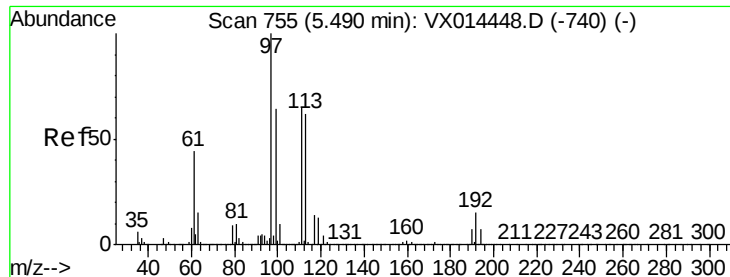


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

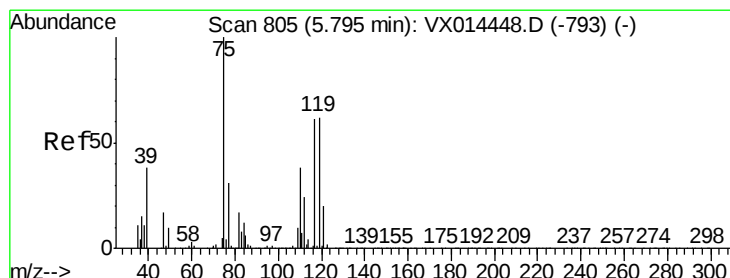
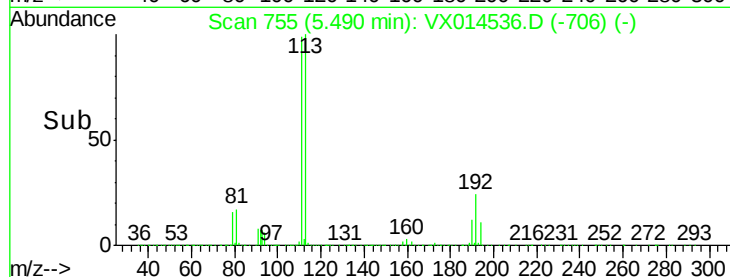
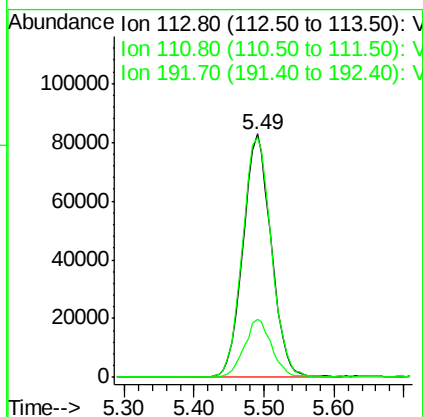
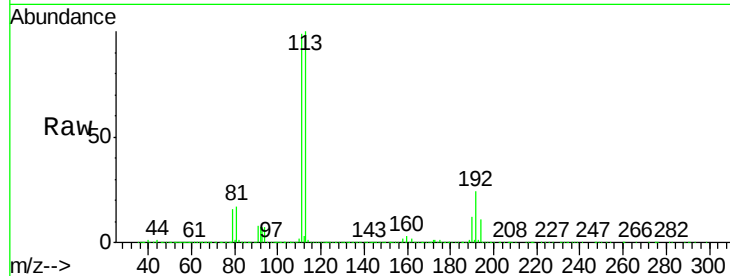




#35
 Dibromofluoromethane
 Concen: 49.329 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

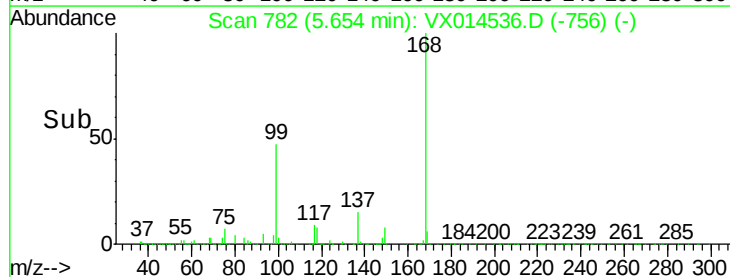
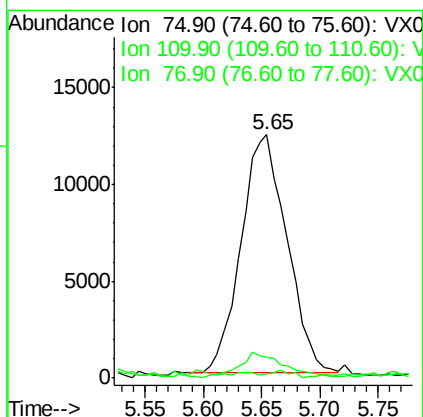
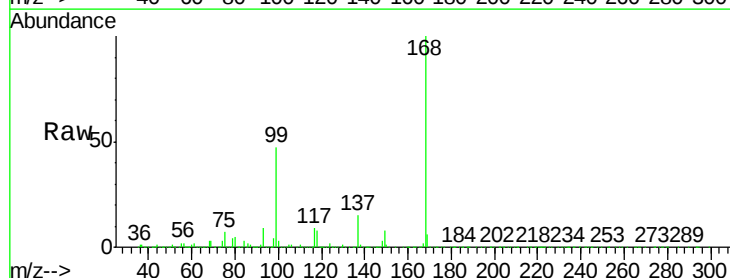
Instrument :
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 STORAGE-BLANK-SOIL-REF-6

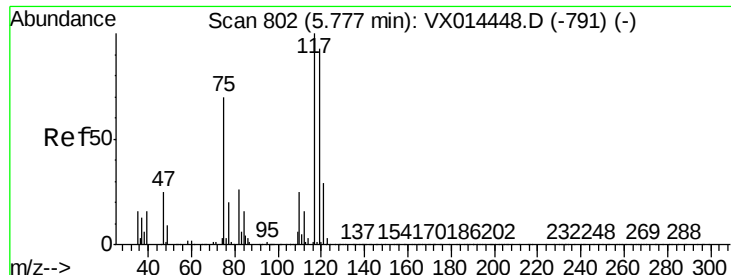
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	23.0	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.594 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.6	55.8#
77	1.5	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.796 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

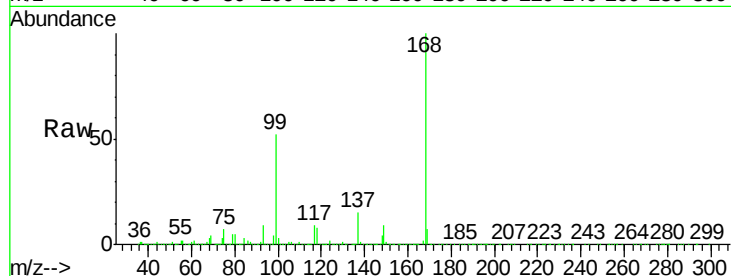
Tgt Ion: 117 Resp: 45718

Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

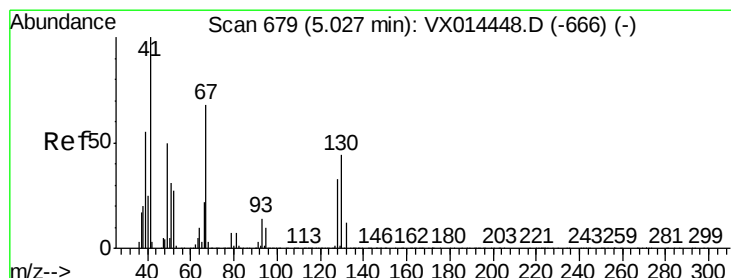
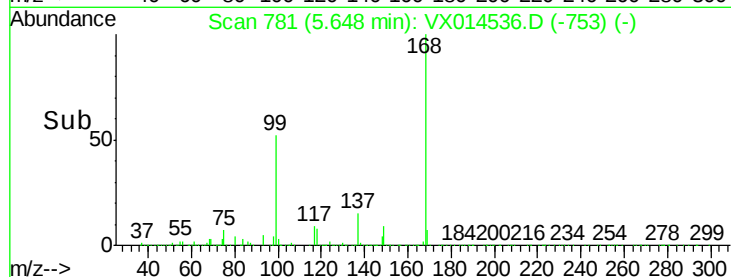
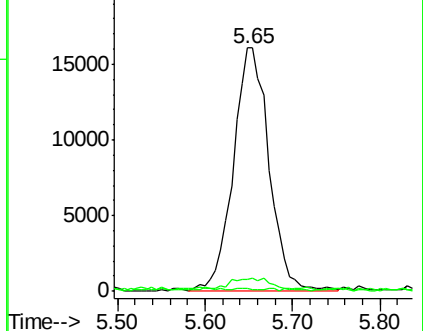
121 0.5 23.4 35.0#



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



#41

Methacrylonitrile

Concen: 0.261 ug/l

RT: 5.04 min Scan# 682

Delta R.T. 0.02 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Tgt Ion: 41 Resp: 1104

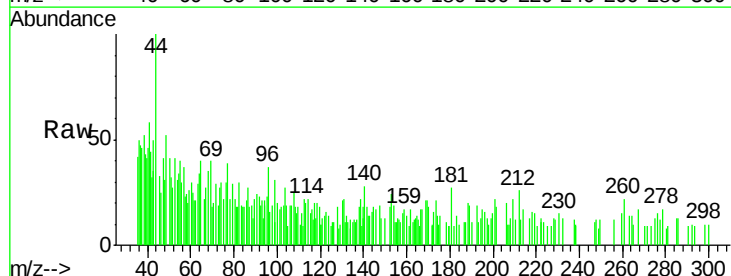
Ion Ratio Lower Upper

41 100

39 94.9 43.6 65.4#

67 0.0 57.9 86.9#

52 0.0 23.0 34.6#

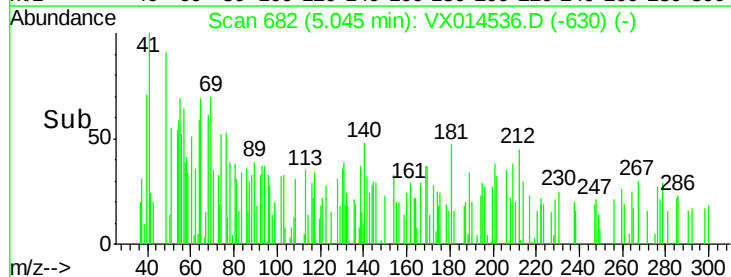
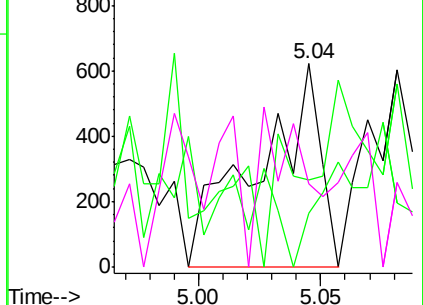


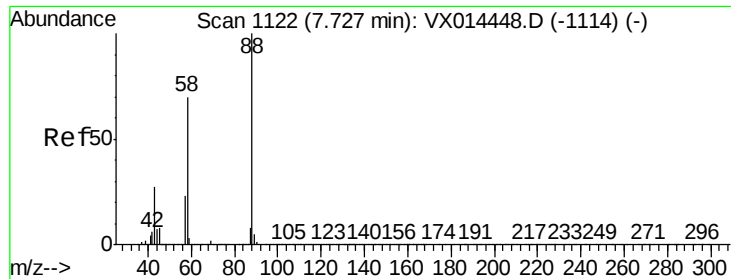
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#49

1,4-Dioxane

Concen: 2.620 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

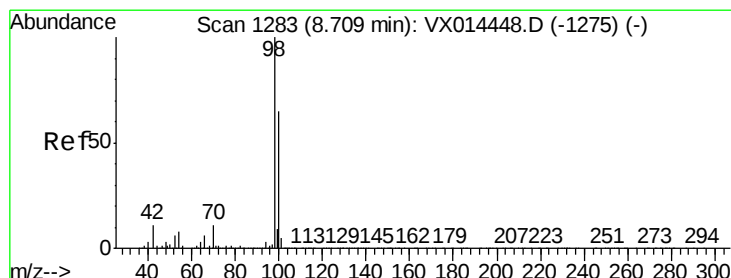
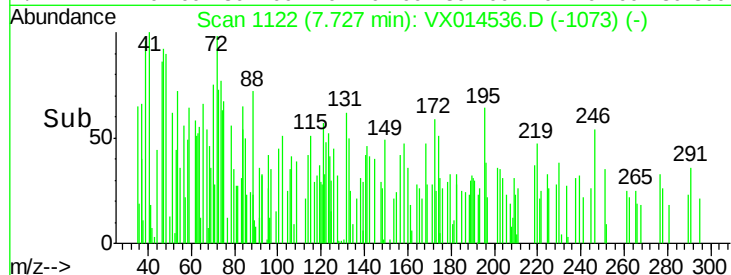
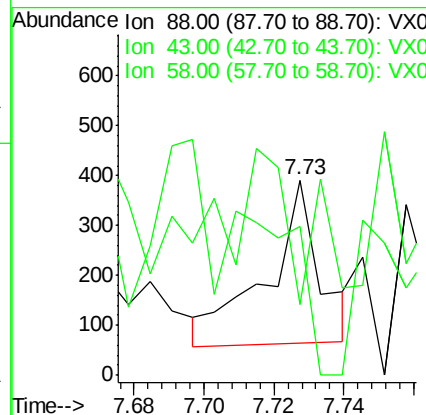
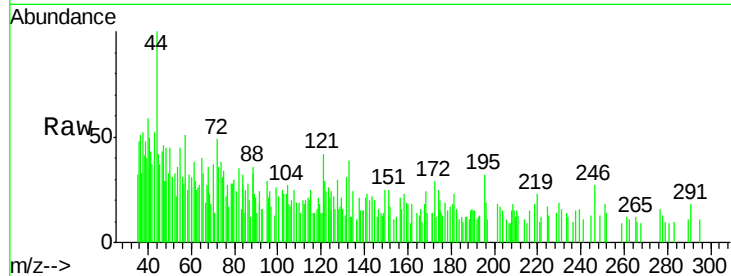
Tgt Ion: 88 Resp: 341

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 103.8 57.1 85.7#



#50

Toluene-d8

Concen: 50.172 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014536.D

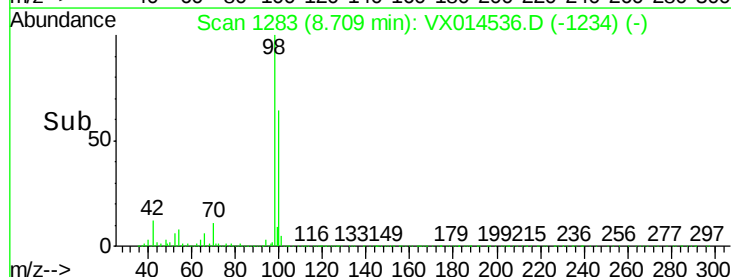
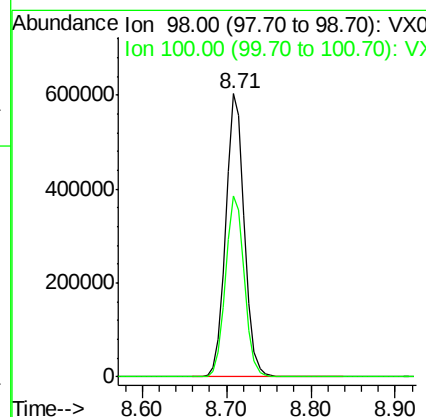
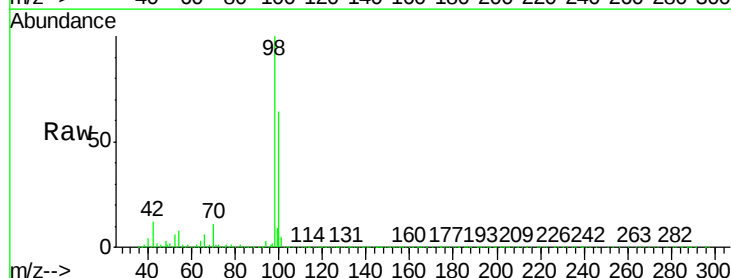
Acq: 10 Jan 2020 14:49

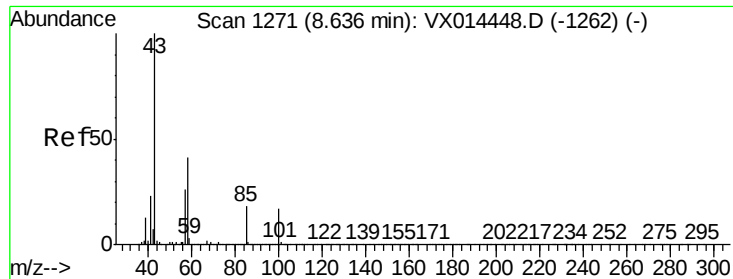
Tgt Ion: 98 Resp: 916179

Ion Ratio Lower Upper

98 100

100 65.2 53.2 79.8

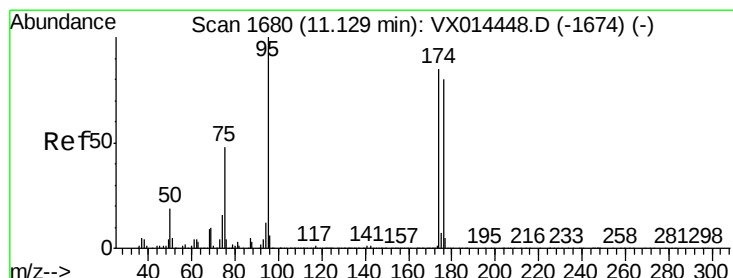
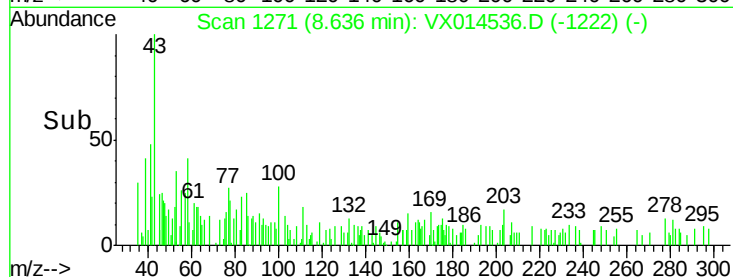
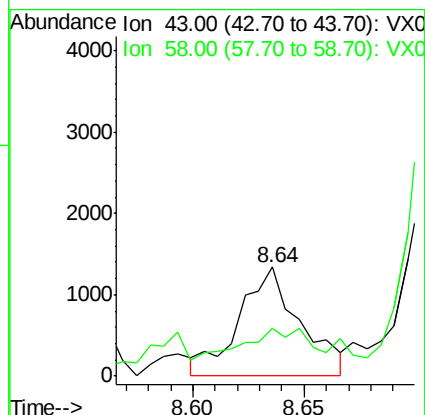
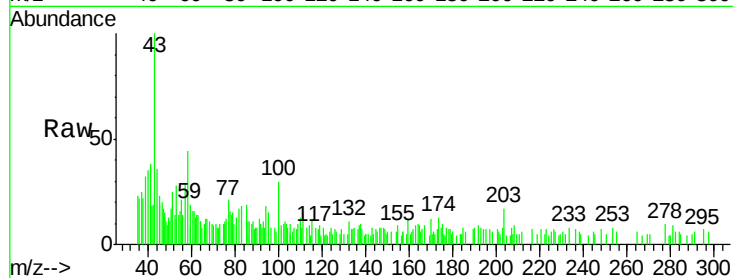




#51
 4-Methyl-2-Pentanone
 Concen: 0.327 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

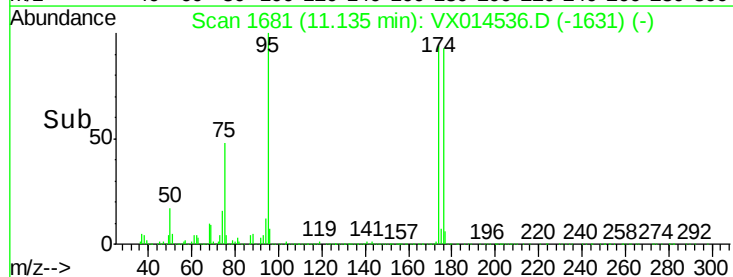
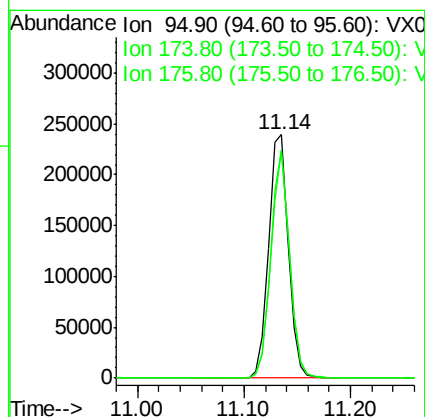
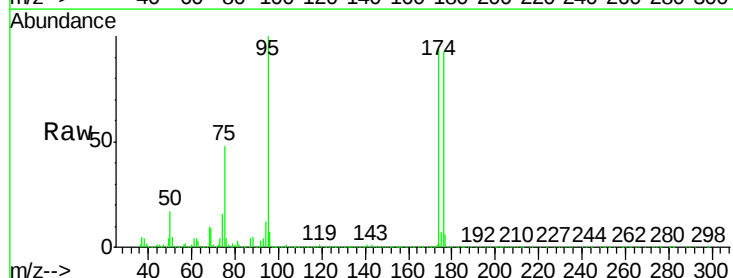
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

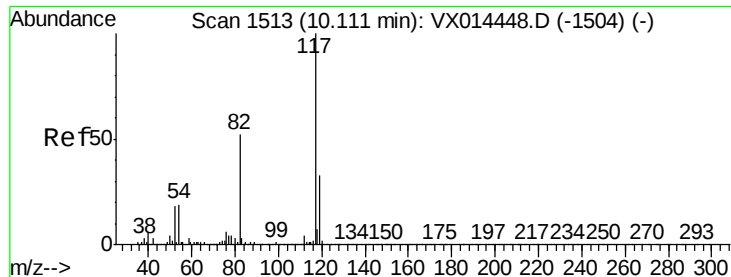
Tgt Ion: 43 Resp: 2559
 Ion Ratio Lower Upper
 43 100
 58 37.8 32.4 48.6



#62
 4-Bromofluorobenzene
 Concen: 46.550 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

Tgt Ion: 95 Resp: 312057
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 180.8
 176 87.5 0.0 172.8

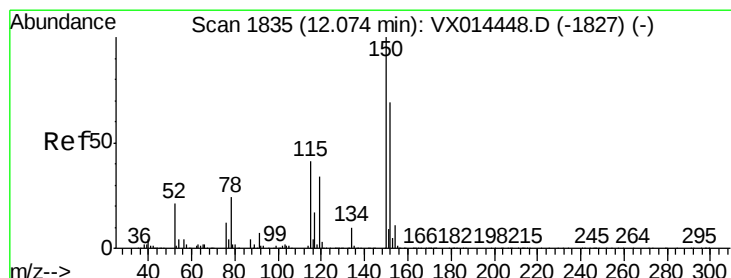
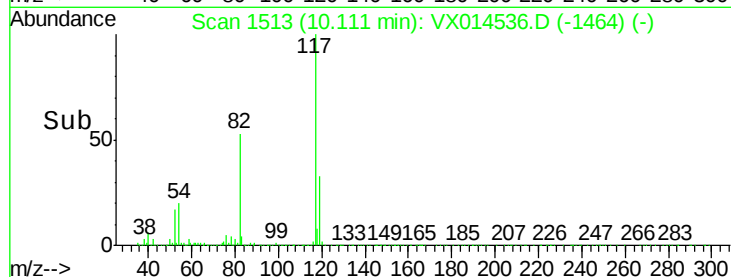
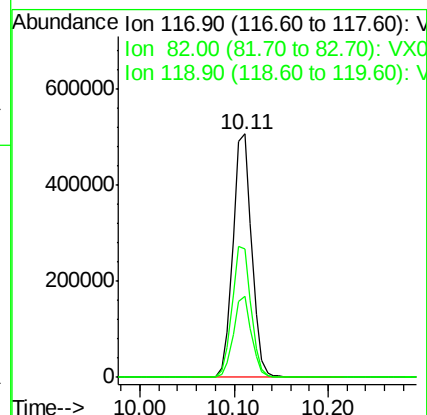
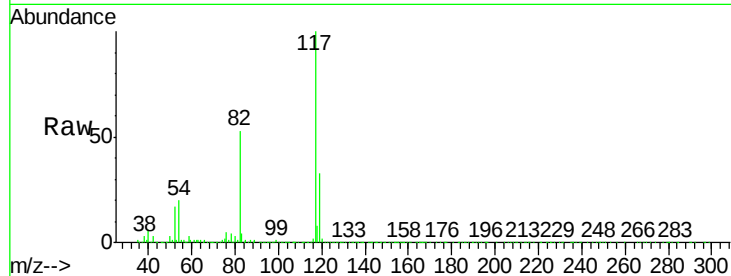




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014536.D
Acq: 10 Jan 2020 14:49

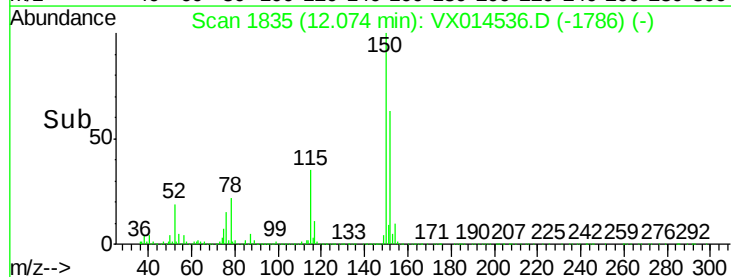
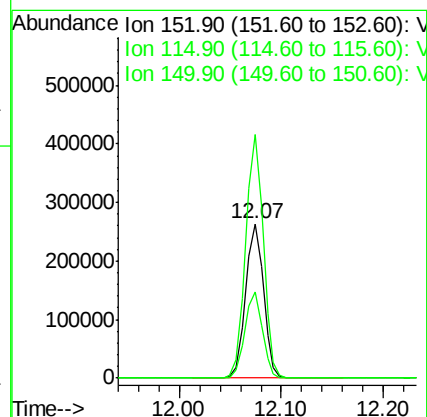
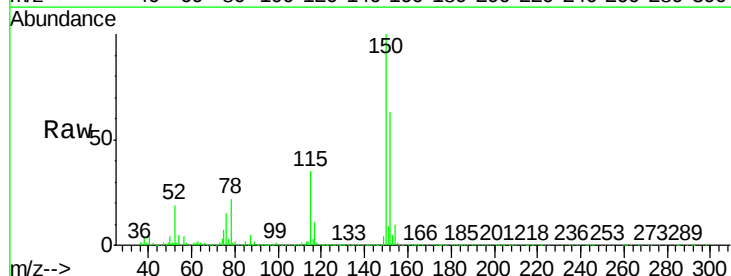
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

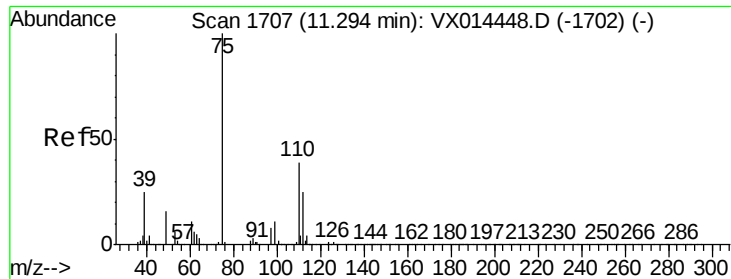
Tgt Ion:117 Resp: 696763
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.6
119 33.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014536.D
Acq: 10 Jan 2020 14:49

Tgt Ion:152 Resp: 318390
Ion Ratio Lower Upper
152 100
115 54.8 39.5 118.3
150 155.7 0.0 350.2

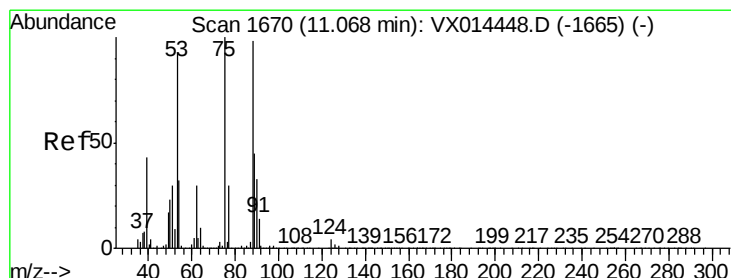
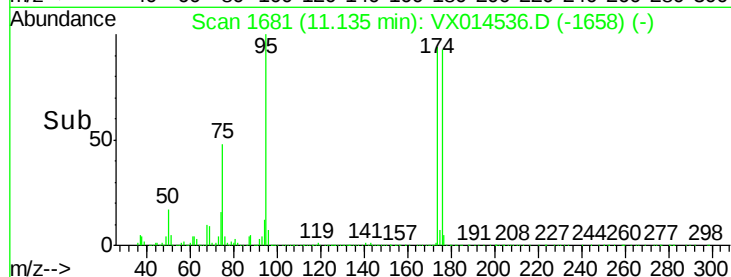
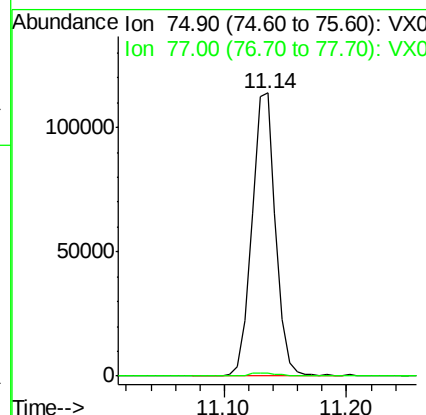
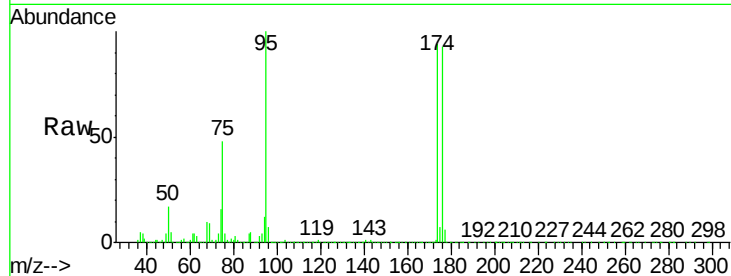




#76
 1,2,3-Trichloropropane
 Concen: 23.174 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

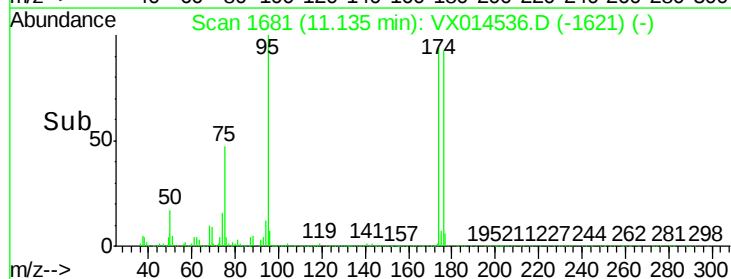
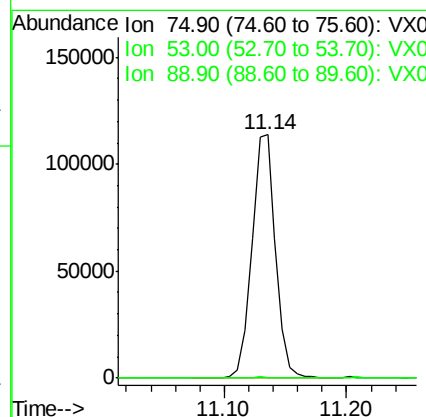
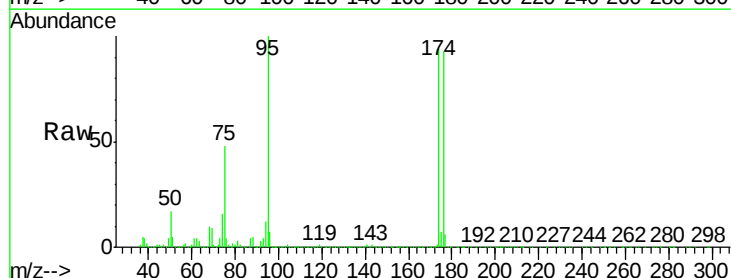
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

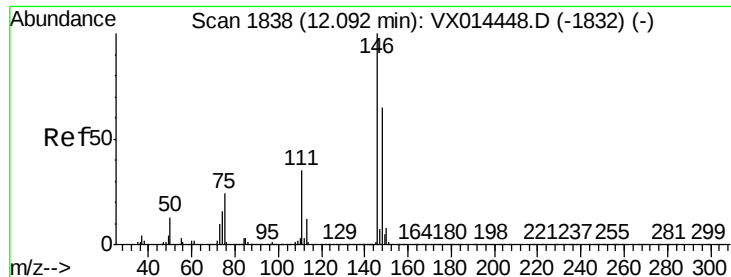
Tgt Ion: 75 Resp: 152663
 Ion Ratio Lower Upper
 75 100
 77 2.0 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.269 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX014536.D
 Acq: 10 Jan 2020 14:49

Tgt Ion: 75 Resp: 152663
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.8 112.2#
 89 0.2 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

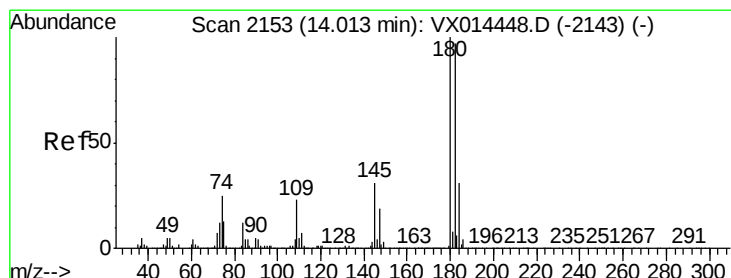
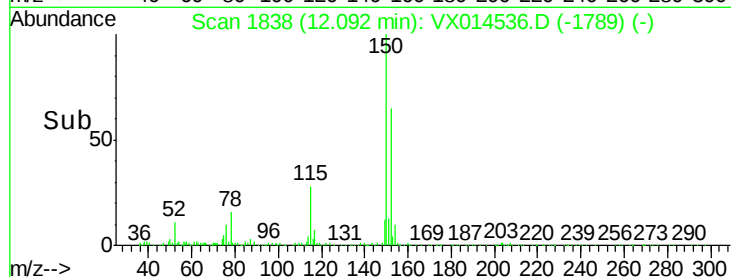
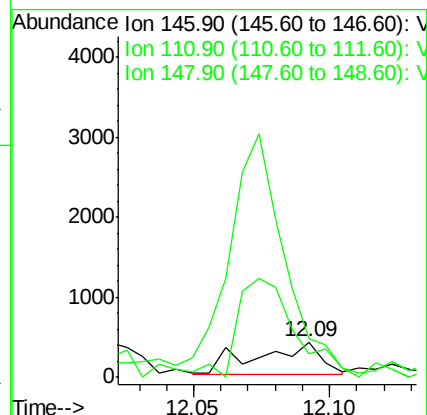
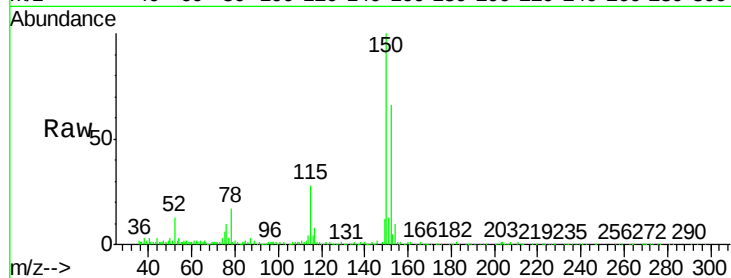
Tgt Ion:146 Resp: 651

Ion Ratio Lower Upper

146 100

111 727.3 18.1 54.1#

148 262.5 32.1 96.3#



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014536.D

Acq: 10 Jan 2020 14:49

Tgt Ion:180 Resp: 421

Ion Ratio Lower Upper

180 100

182 122.1 47.9 143.6

145 15.0 14.8 44.3

