

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014557.D
 Acq On : 11 Jan 2020 00:06
 Operator : JC/SP
 Sample : L1064-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-B

Quant Time: Jan 11 00:44:11 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

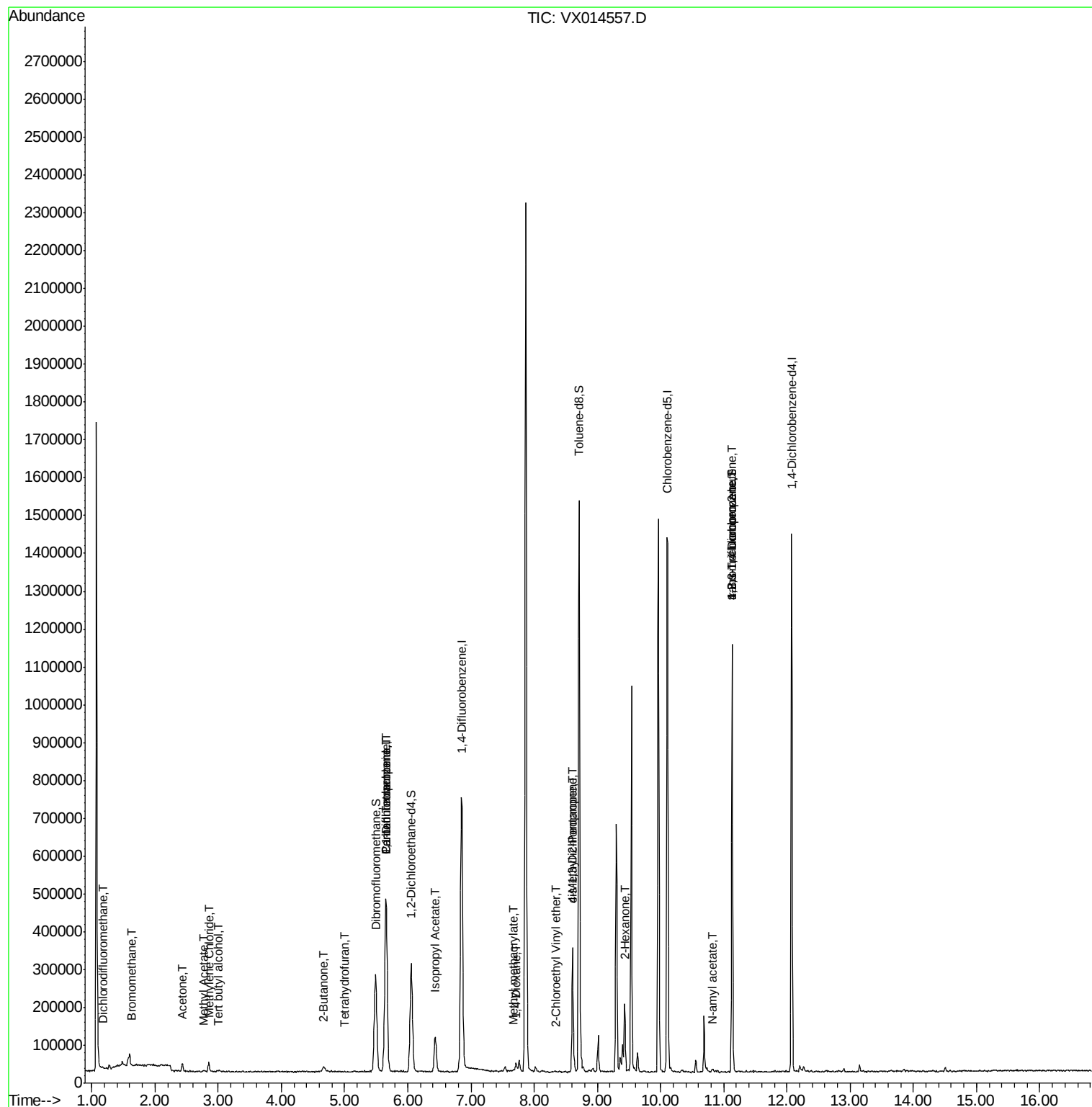
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	475159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	741843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	672509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	304247	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	267259	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	5.49	113	221864	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.71	98	892138	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.13	95	297068	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	440	0.327	ug/l #	42
5) Bromomethane	1.64	94	1730	0.387	ug/l #	64
6) Chloroethane	1.73	64	484	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	4132	3.731	ug/l #	78
16) Acetone	2.43	43	23259	4.644	ug/l	97
18) Methyl Acetate	2.77	43	5578	0.732	ug/l #	76
20) Methylene Chloride	2.85	84	11688	2.190	ug/l	93
25) 2-Butanone	4.67	43	10905	2.752	ug/l #	73
29) Tetrahydrofuran	5.00	42	675	0.288	ug/l	96
36) 1,1-Dichloropropene	5.65	75	33671	4.826	ug/l #	51
38) Carbon Tetrachloride	5.65	117	41797	6.511	ug/l #	17
43) Isopropyl Acetate	6.43	43	126281	10.316	ug/l	98
48) Methyl methacrylate	7.67	41	7167	1.222	ug/l #	16
49) 1,4-Dioxane	7.72	88	224	1.803	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	119076	15.963	ug/l #	44
54) cis-1,3-Dichloropropene	8.61	75	52178	6.188	ug/l #	62
58) 2-Chloroethyl Vinyl ether	8.34	63	709	0.255	ug/l	91
59) 2-Hexanone	9.43	43	138570	23.477	ug/l #	23
74) N-amyl acetate	10.82	43	6916	0.734	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	147350	23.408	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	147350	61.886	ug/l #	12
88) 1,4-Dichlorobenzene	11.88	146	291	Below Cal		72
93) 1,2,4-Trichlorobenzene	13.65	180	773	Below Cal		82
96) 1,2,3-Trichlorobenzene	14.00	180	502	Below Cal	#	73

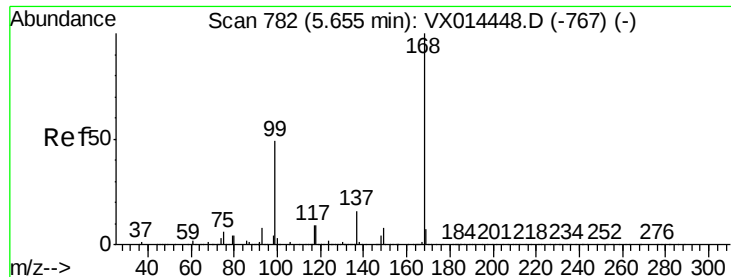
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014557.D
Acq On : 11 Jan 2020 00:06
Operator : JC/SP
Sample : L1064-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SOIL-B

Quant Time: Jan 11 00:44:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

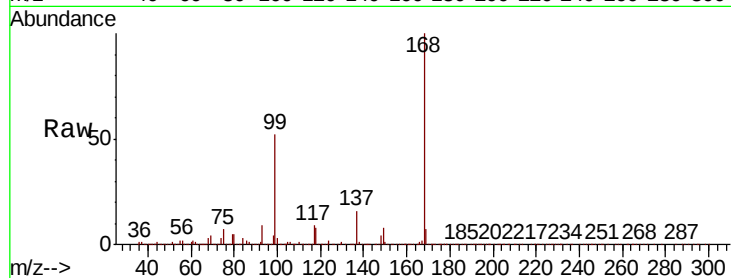
SOIL-B

Tot Ion:168 Resp: 475159

Ion Ratio Lower Upper

168 100

99 51.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

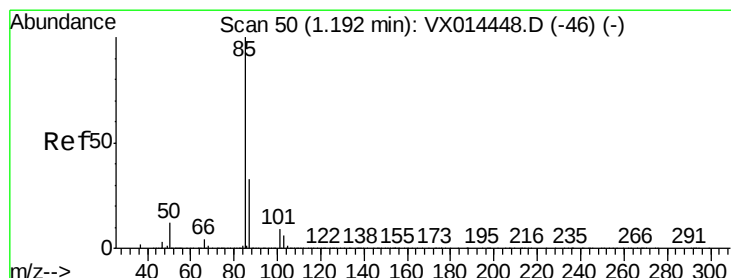
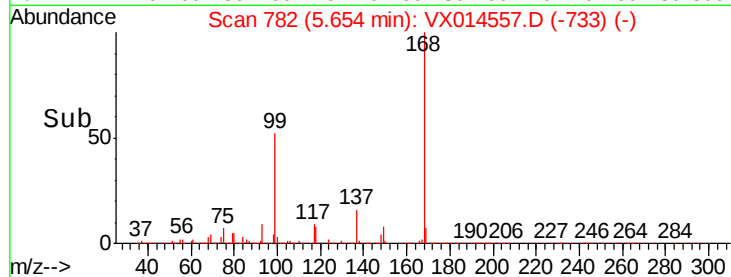
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.327 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014557.D

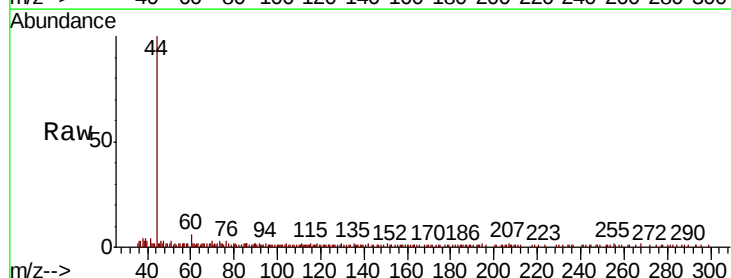
Acq: 11 Jan 2020 00:06

Tgt Ion: 85 Resp: 440

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

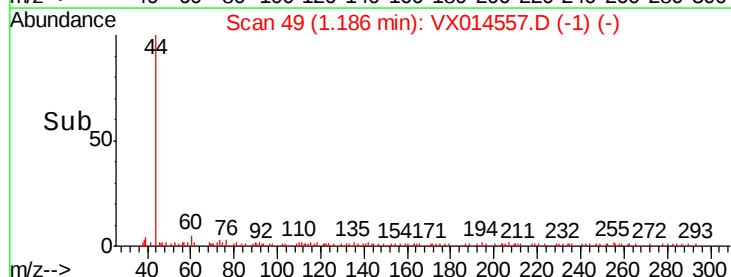
300

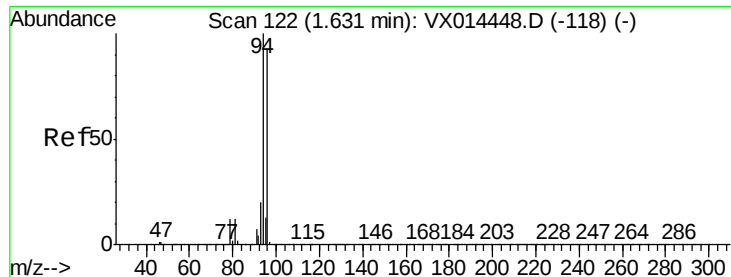
200

100

0

Time-->





#5

Bromomethane

Concen: 0.387 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

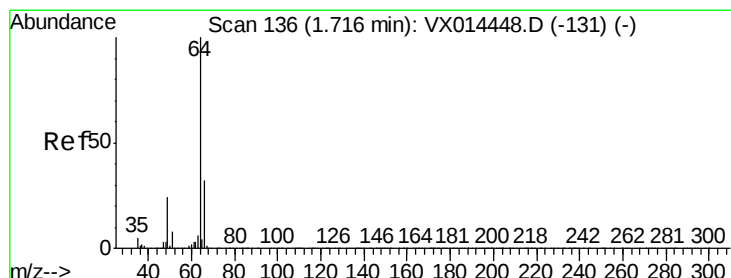
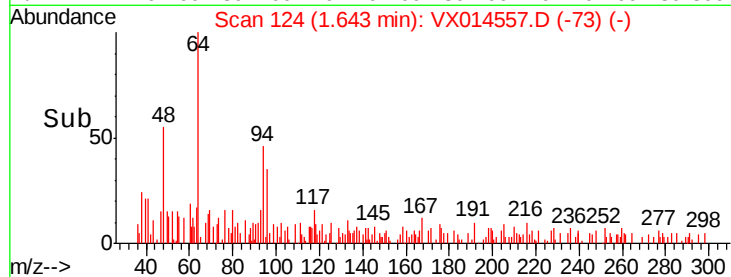
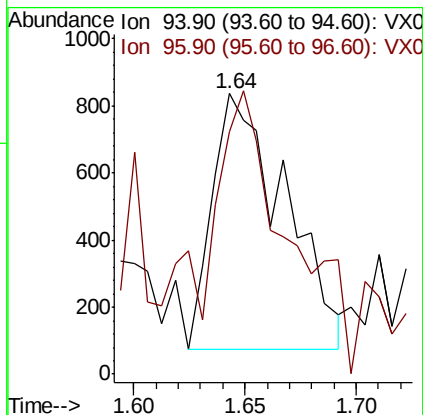
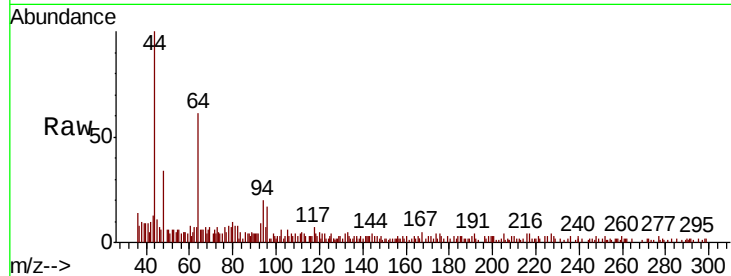
SOIL-B

Tot Ion: 94 Resp: 1730

Ion Ratio Lower Upper

94 100

96 58.0 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX014557.D

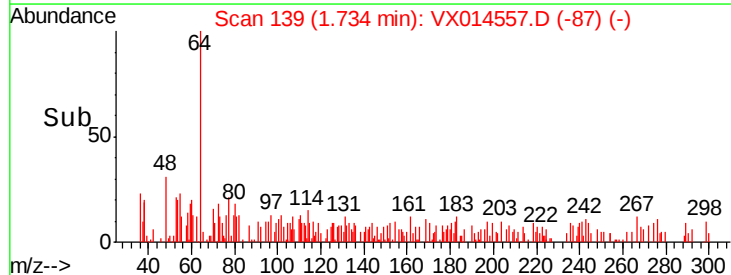
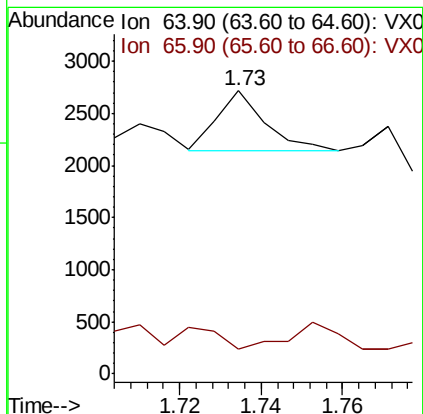
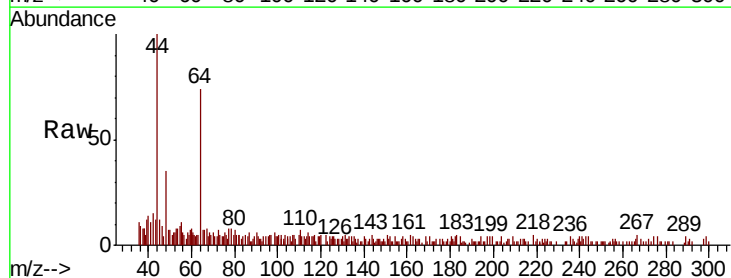
Acq: 11 Jan 2020 00:06

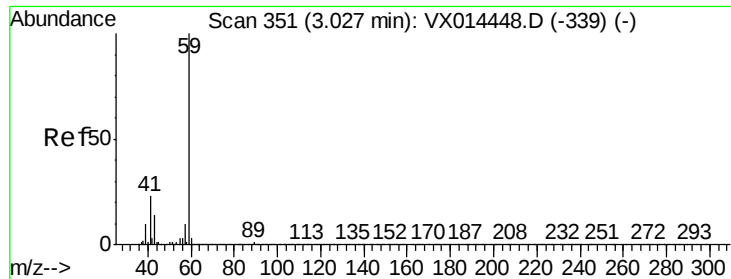
Tgt Ion: 64 Resp: 484

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

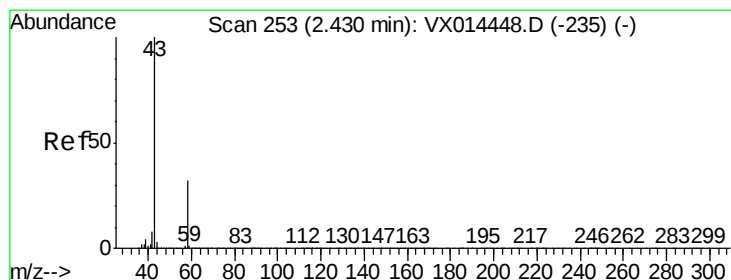
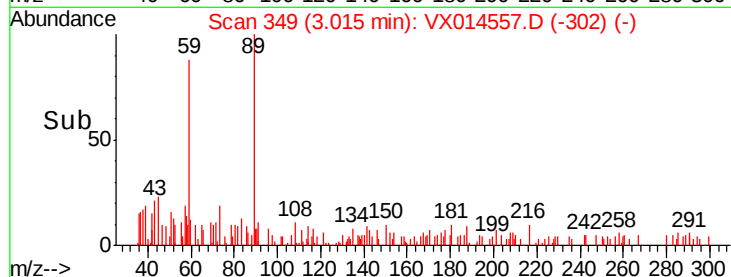
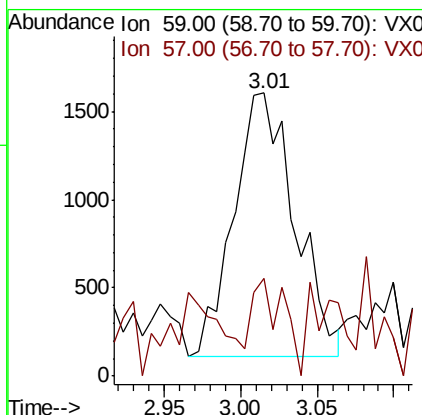
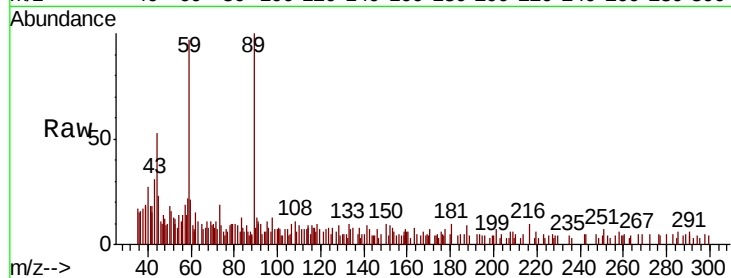




#11
Tert butyl alcohol
Concen: 3.731 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

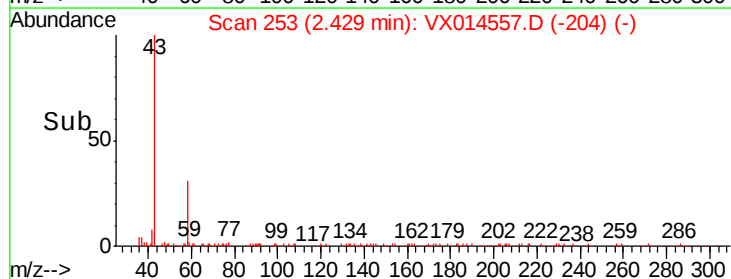
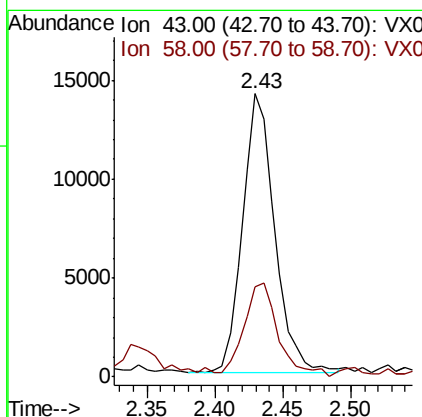
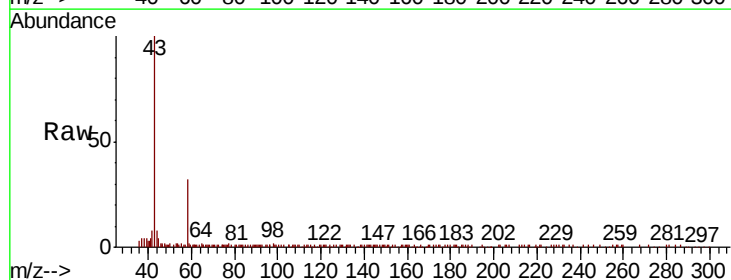
Instrument :
MSVOA_X
ClientSampled :
SOIL-B

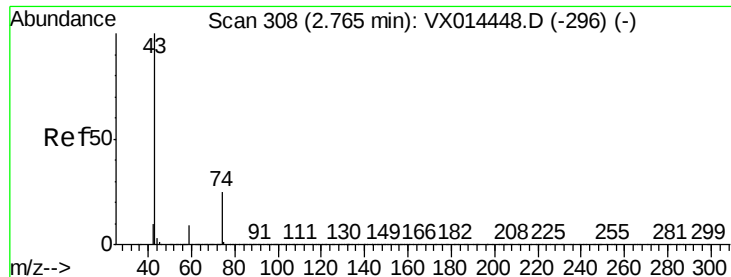
Tot Ion: 59 Resp: 4132
Ion Ratio Lower Upper
59 100
57 18.7 8.5 12.7#



#16
Acetone
Concen: 4.644 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Tgt Ion: 43 Resp: 23259
Ion Ratio Lower Upper
43 100
58 30.3 25.4 38.0

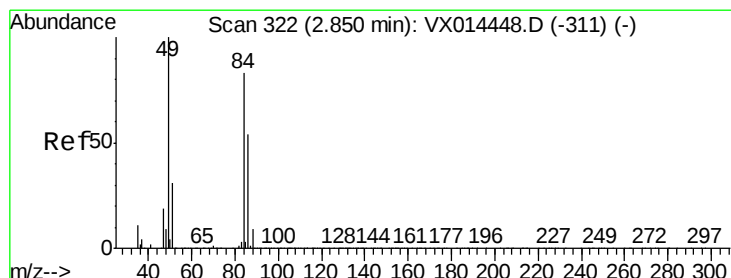
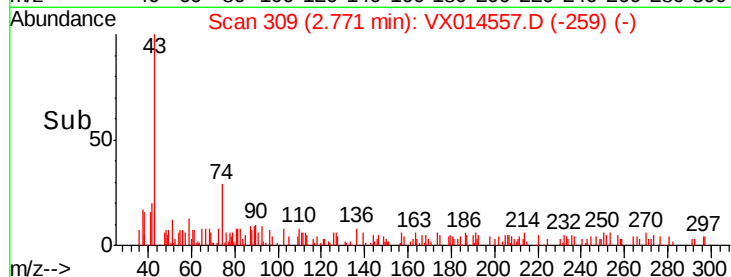
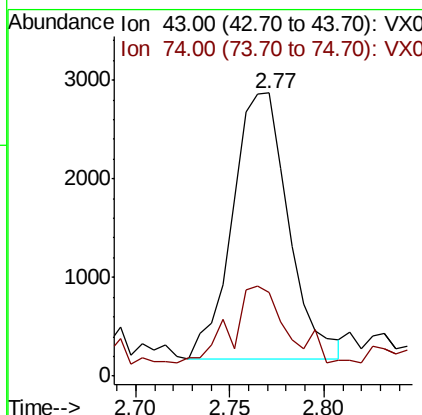
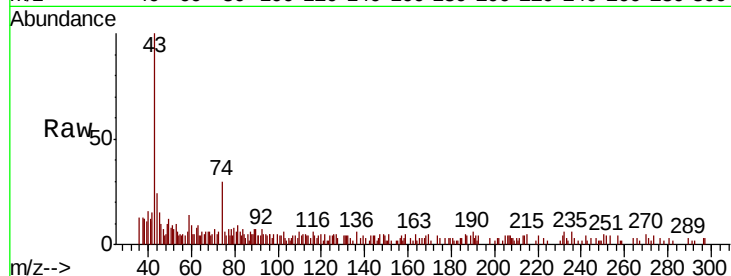




#18
Methyl Acetate
Concen: 0.732 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

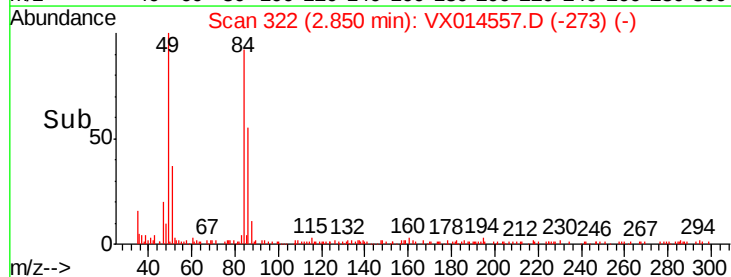
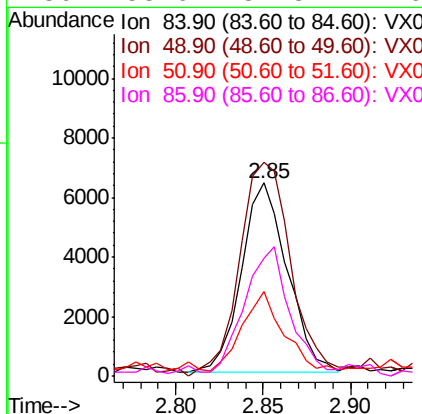
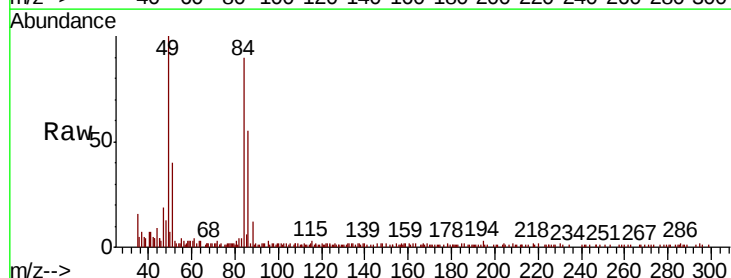
Instrument :
MSVOA_X
ClientSampleId :
SOIL-B

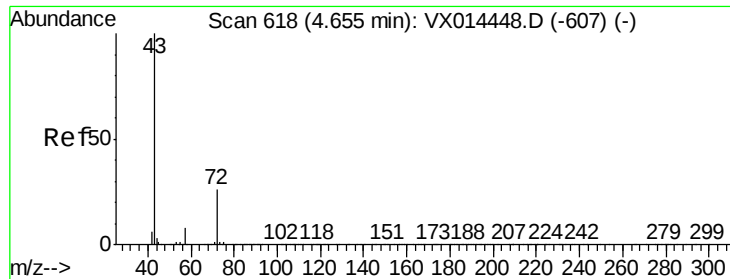
Tot Ion: 43 Resp: 5578
Ion Ratio Lower Upper
43 100
74 36.1 19.4 29.2#



#20
Methylene Chloride
Concen: 2.190 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Tgt Ion: 84 Resp: 11688
Ion Ratio Lower Upper
84 100
49 112.8 95.8 143.8
51 41.0 30.2 45.4
86 58.6 51.8 77.6





#25

2-Butanone

Concen: 2.752 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

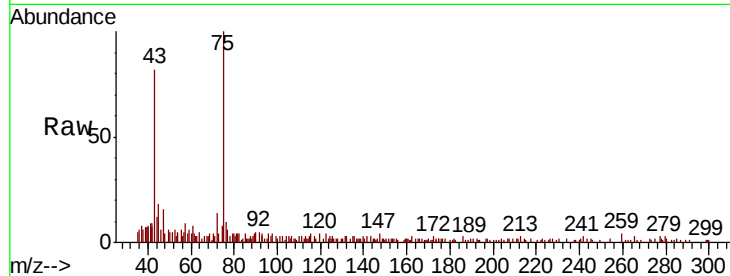
SOIL-B

Tot Ion: 43 Resp: 10905

Ion Ratio Lower Upper

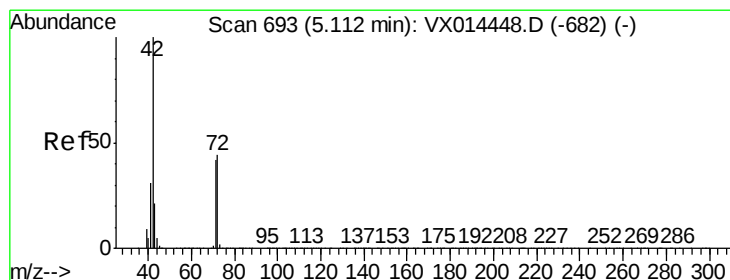
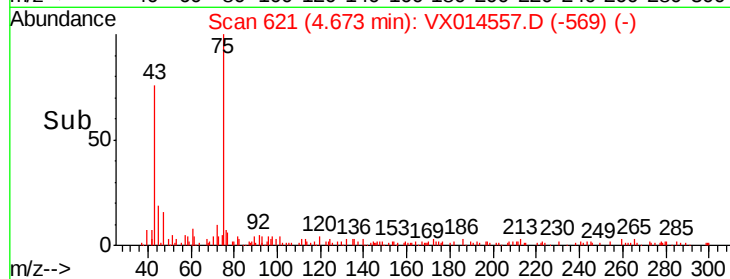
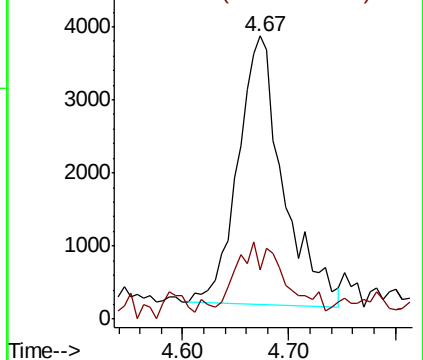
43 100

72 12.1 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.12 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

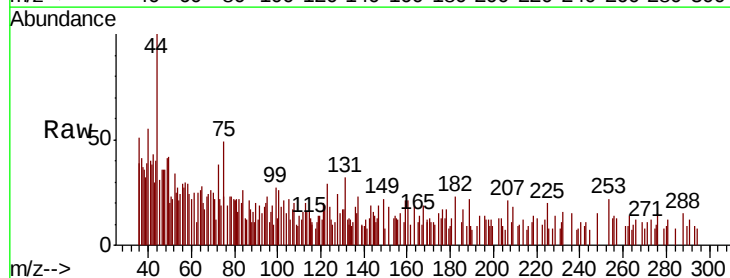
Tgt Ion: 42 Resp: 675

Ion Ratio Lower Upper

42 100

72 49.6 36.2 54.4

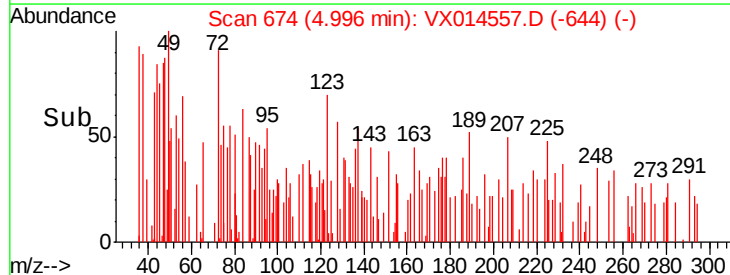
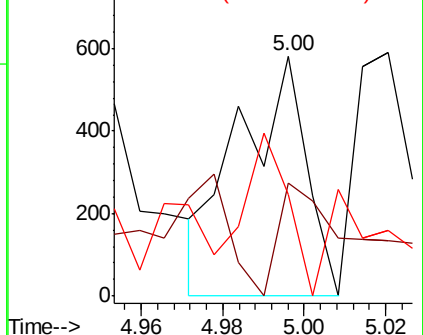
71 43.9 34.1 51.1

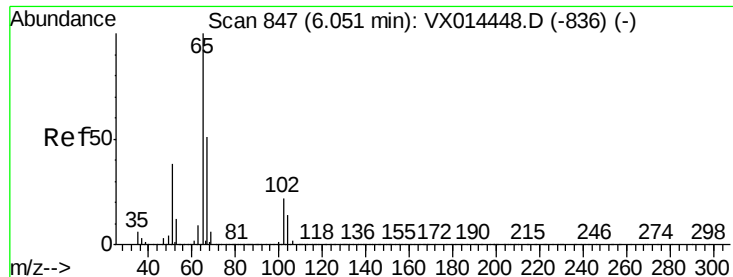


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.385 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

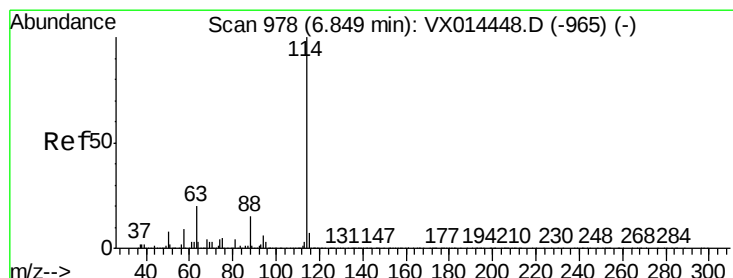
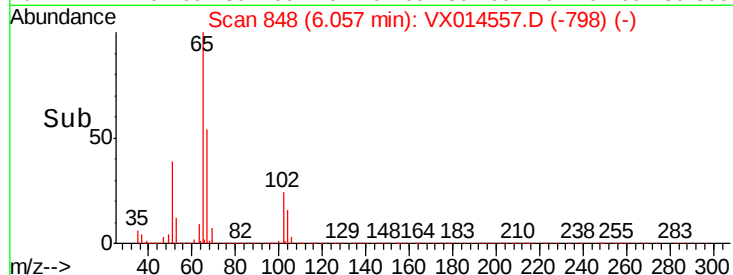
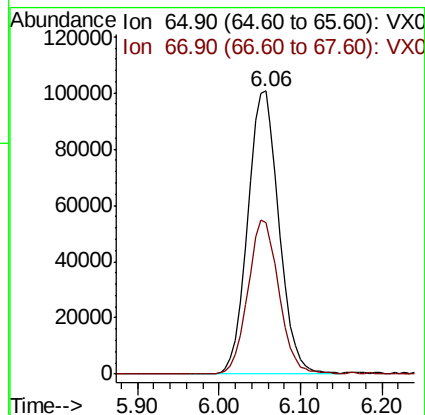
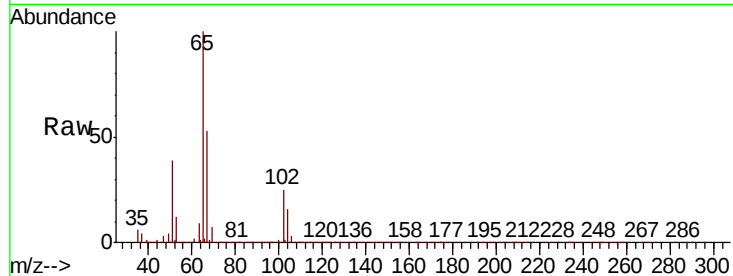
SOIL-B

Tot Ion: 65 Resp: 267259

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

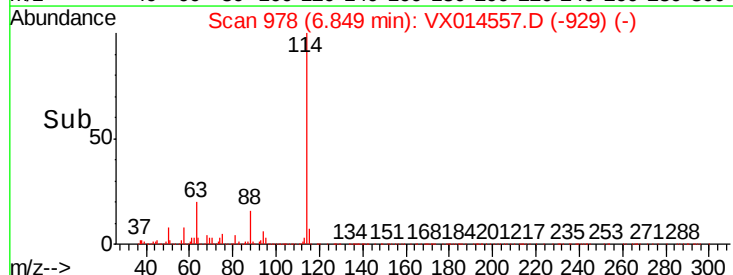
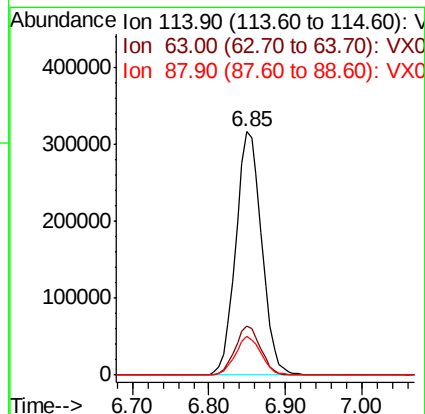
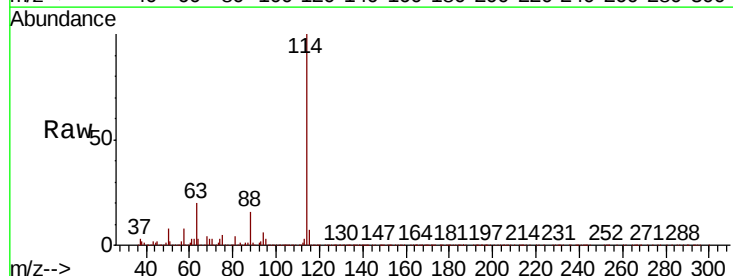
Tgt Ion: 114 Resp: 741843

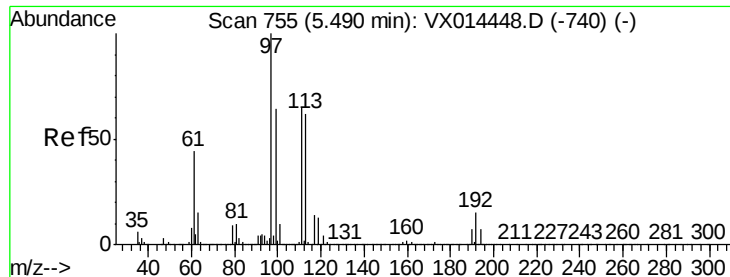
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.405 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

SOIL-B

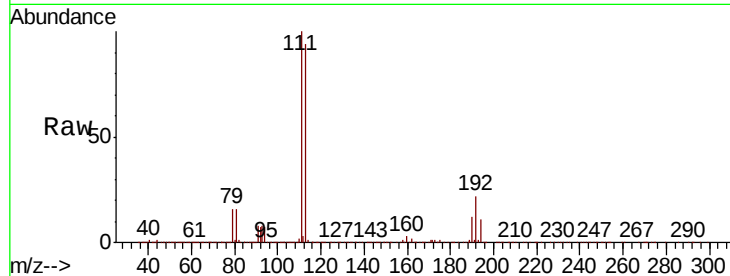
Tot Ion:113 Resp: 221864

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

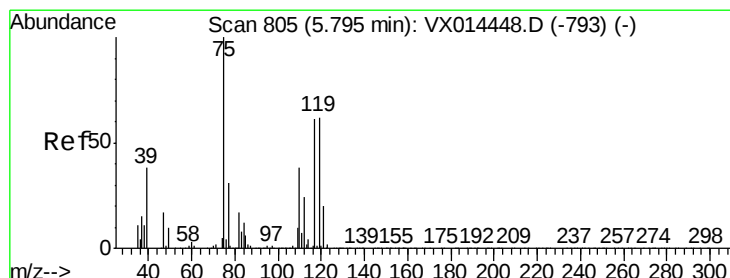
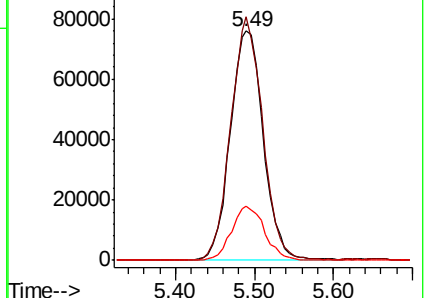
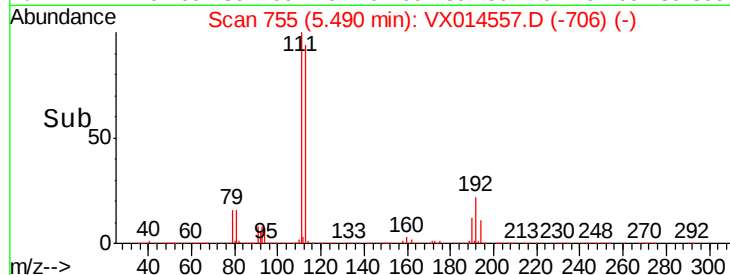
192 23.6 19.2 28.8



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: 4.826 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

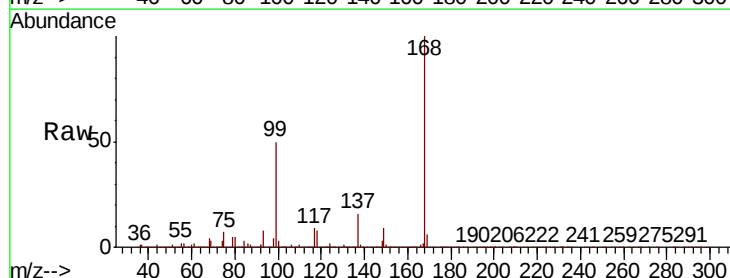
Tgt Ion: 75 Resp: 33671

Ion Ratio Lower Upper

75 100

110 10.7 18.6 55.8#

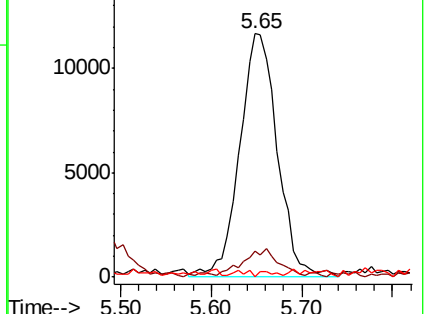
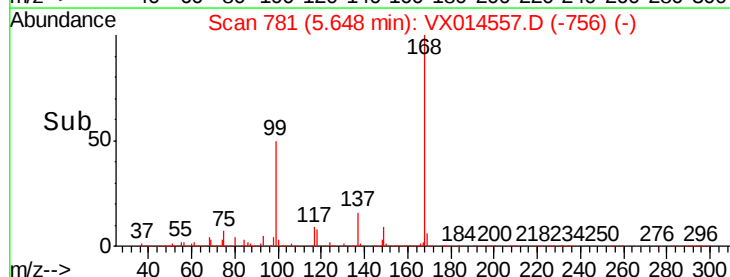
77 1.0 24.5 36.7#

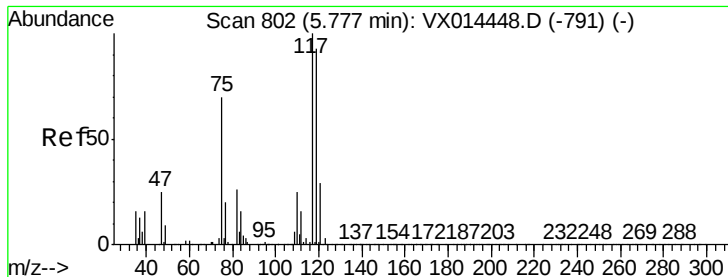


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.511 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

SOIL-B

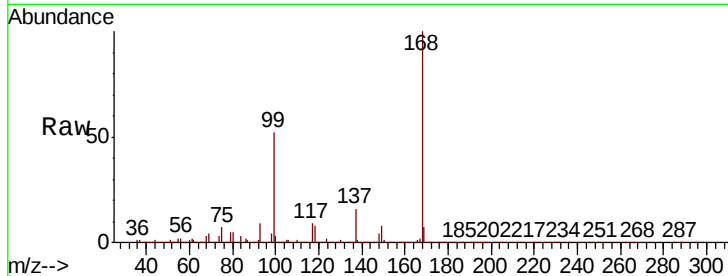
Tot Ion:117 Resp: 41797

Ion Ratio Lower Upper

117 100

119 4.2 73.8 110.8#

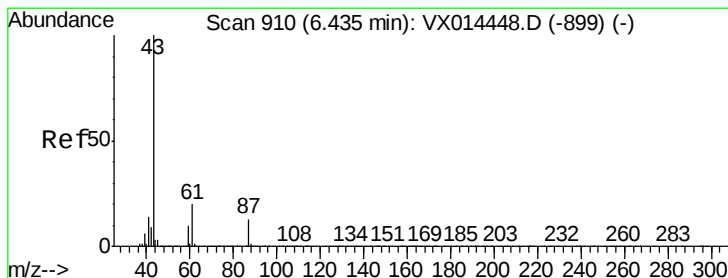
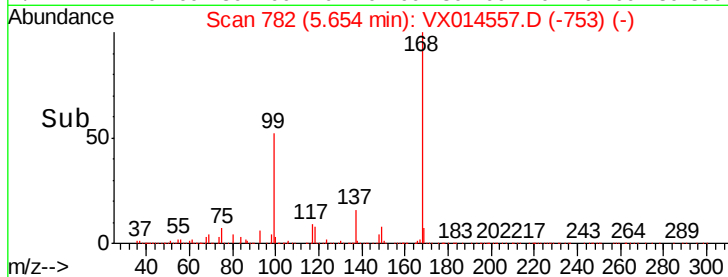
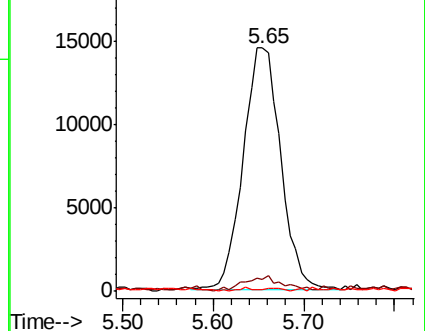
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 10.316 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

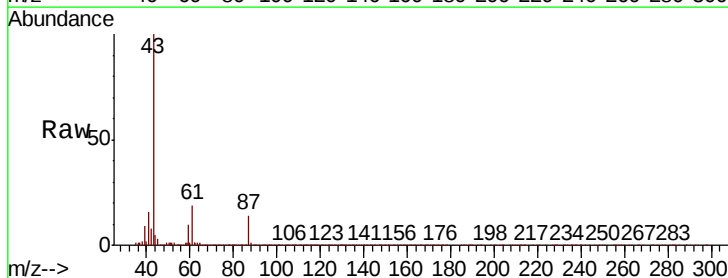
Tgt Ion: 43 Resp: 126281

Ion Ratio Lower Upper

43 100

61 19.5 16.6 24.8

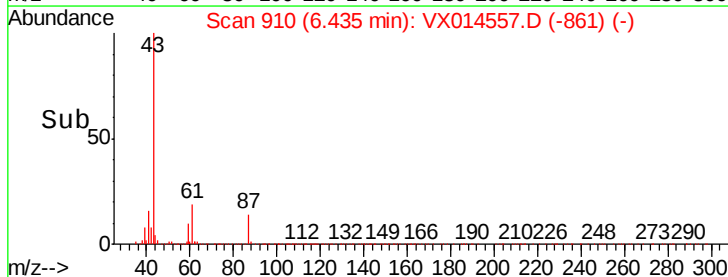
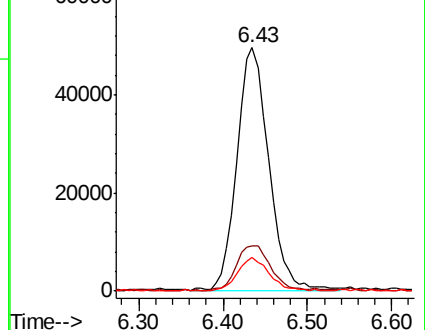
87 13.9 10.8 16.2

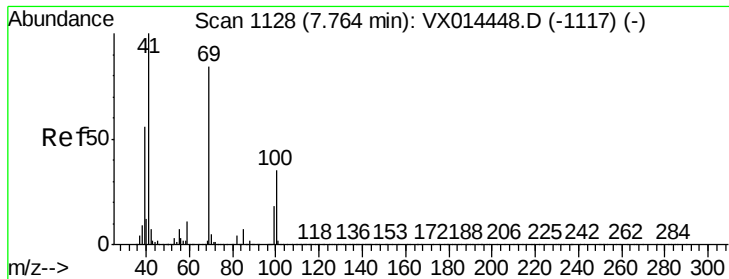


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

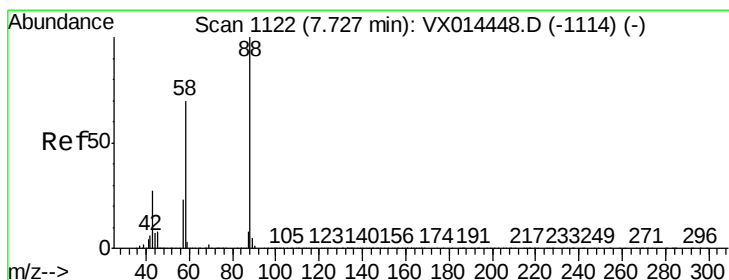
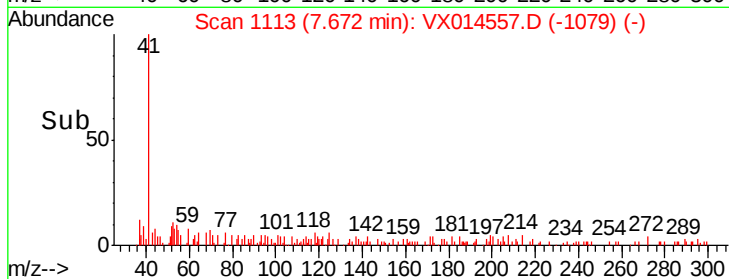
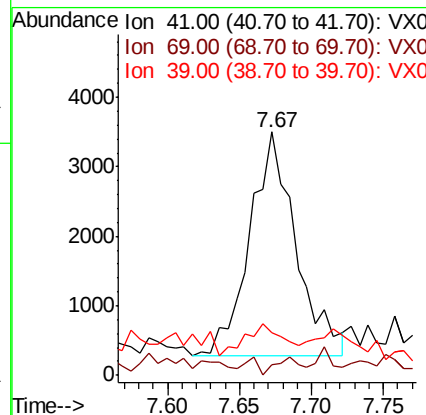
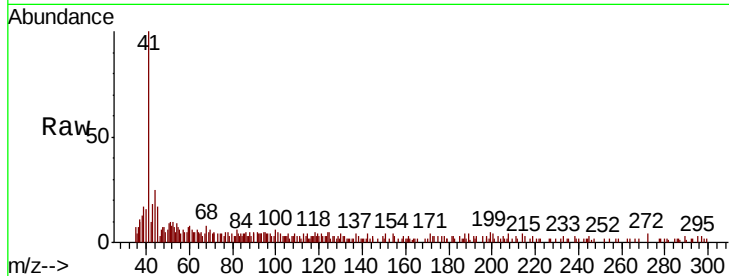




#48
Methvl methacrylate
Concen: 1.222 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

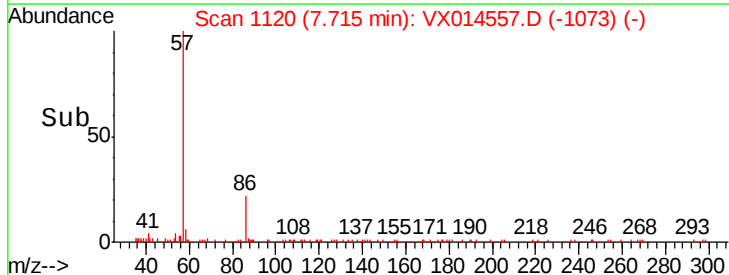
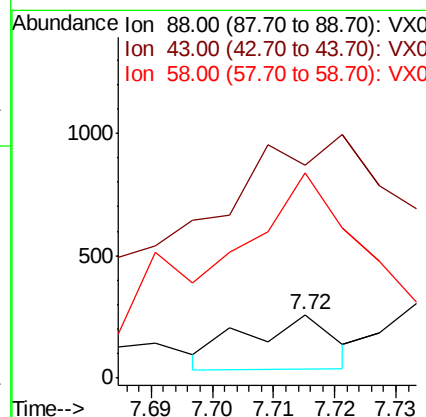
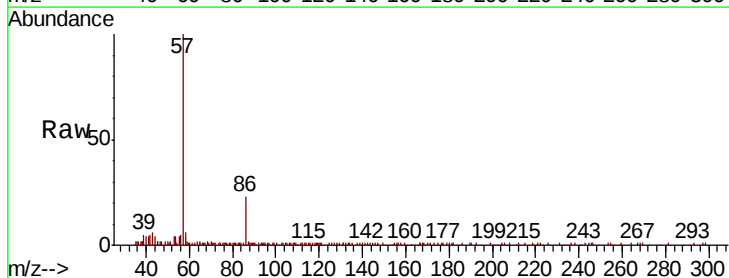
Instrument :
MSVOA_X
ClientSampleId :
SOIL-B

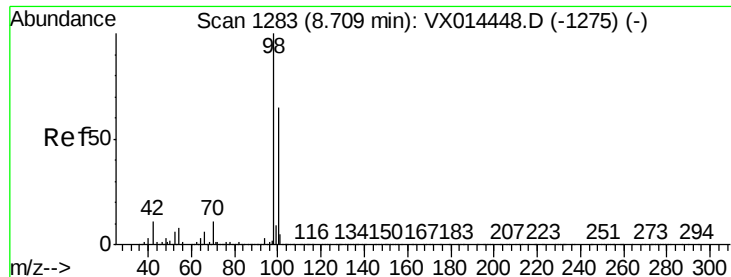
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.2	65.5	98.3#
39	0.0	43.9	65.9#



#49
1,4-Dioxane
Concen: 1.803 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	467.9	57.1	85.7#





#50

Toluene-d8

Concen: 51.193 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

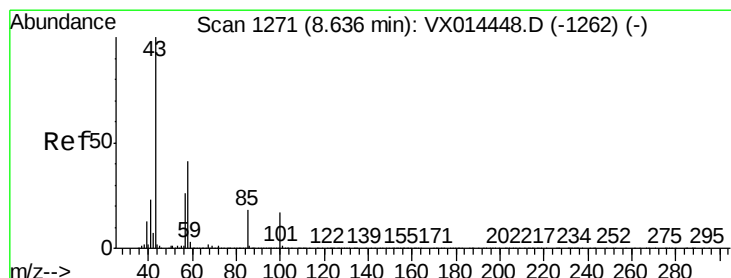
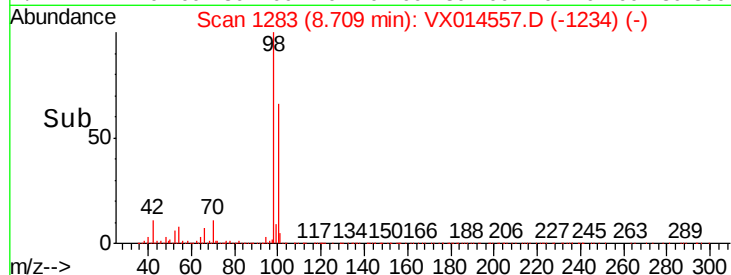
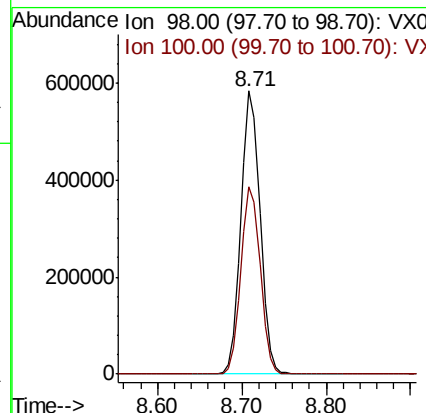
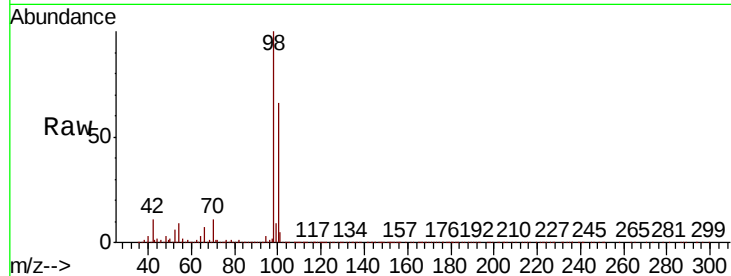
SOIL-B

Tot Ion: 98 Resp: 892138

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 15.963 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014557.D

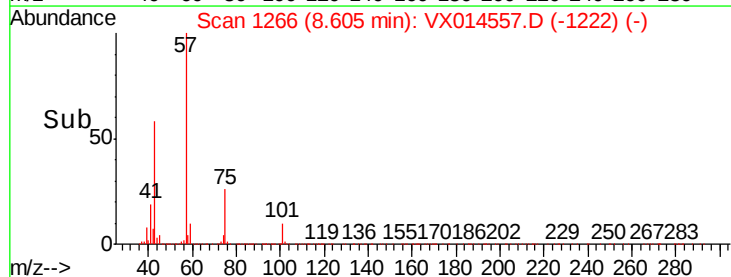
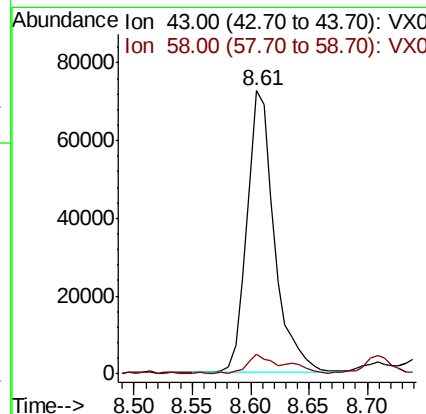
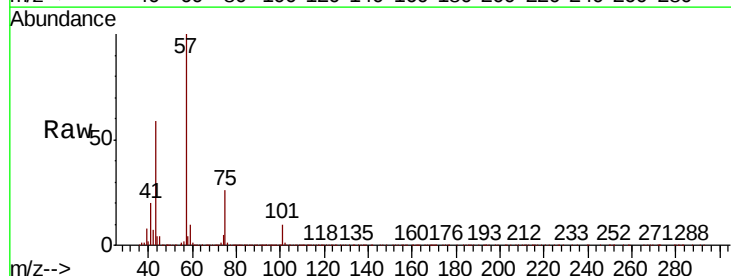
Acq: 11 Jan 2020 00:06

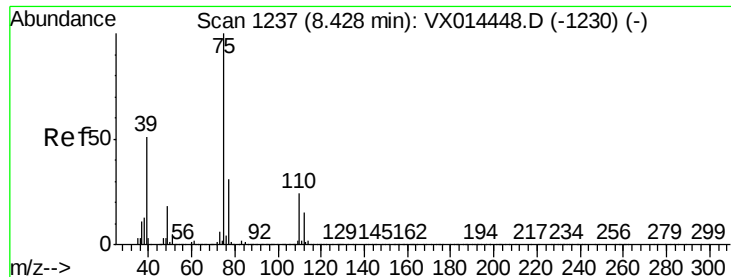
Tgt Ion: 43 Resp: 119076

Ion Ratio Lower Upper

43 100

58 5.9 32.4 48.6#



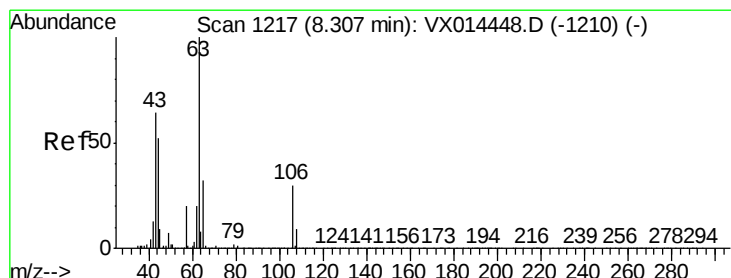
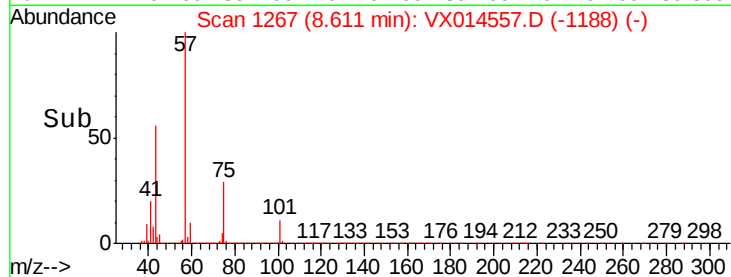
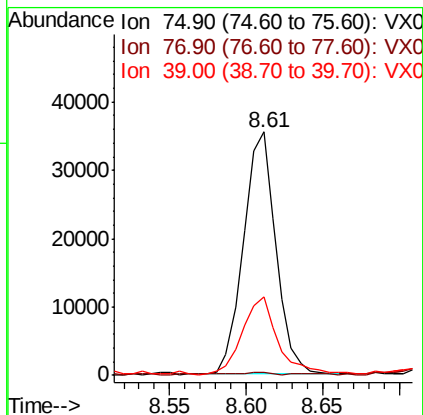
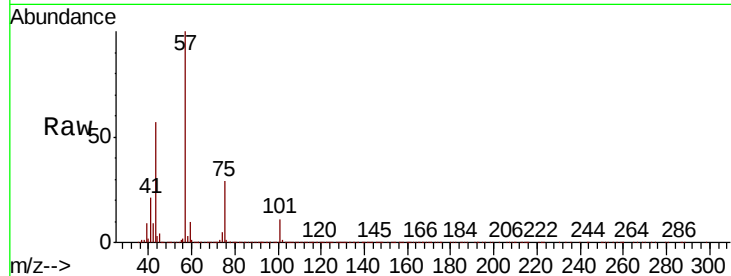


#54

cis-1,3-Dichloropropene
Concen: 6.188 ug/l
RT: 8.61 min Scan# 1267
Delta R.T. 0.18 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Instrument :
MSVOA_X
ClientSampleId :
SOIL-B

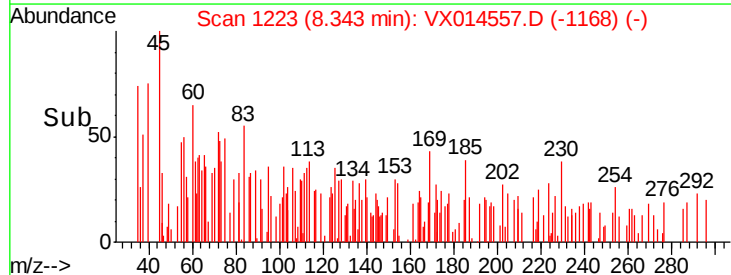
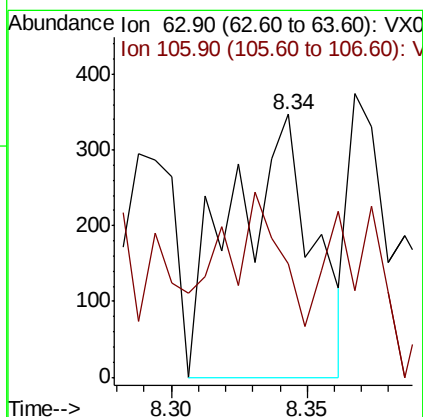
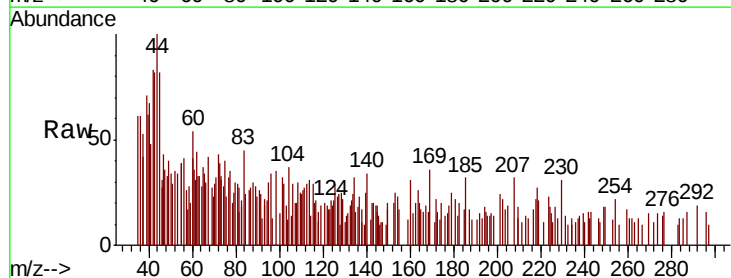
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.3	25.0	37.4#
39	31.4	40.7	61.1#

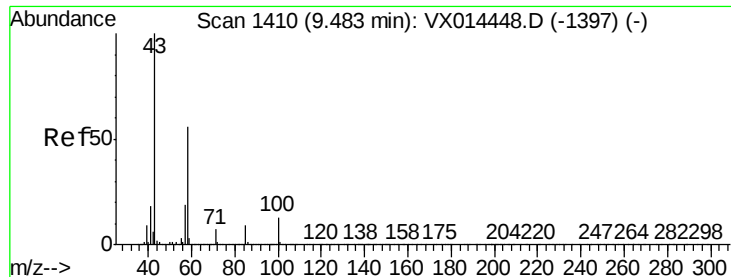


#58

2-Chloroethyl Vinyl ether
Concen: 0.255 ug/l
RT: 8.34 min Scan# 1223
Delta R.T. 0.04 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.1	23.6	35.4

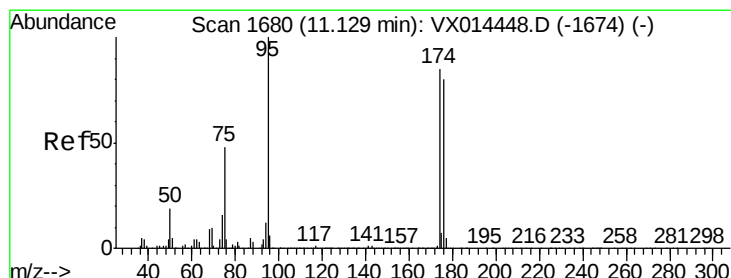
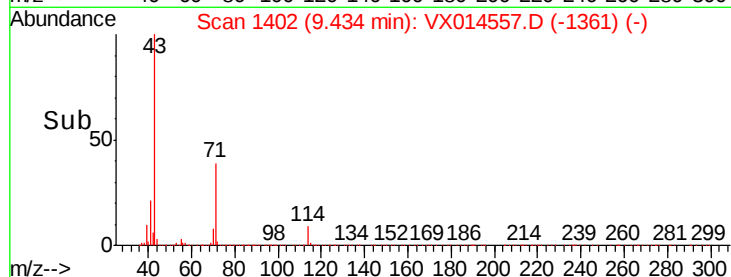
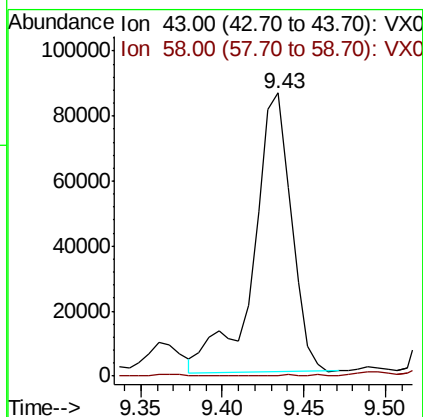
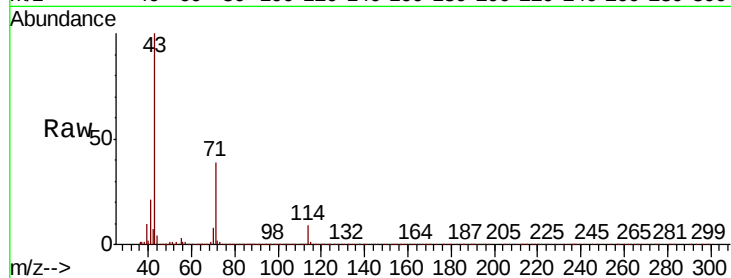




#59
2-Hexanone
Concen: 23.477 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

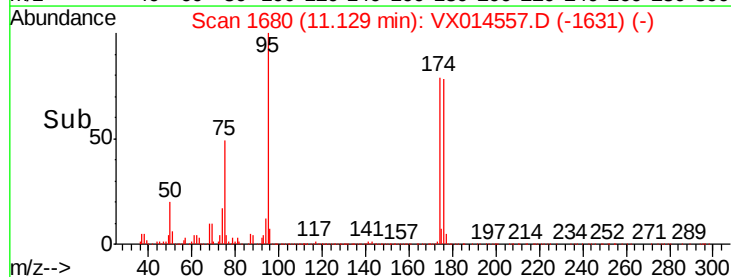
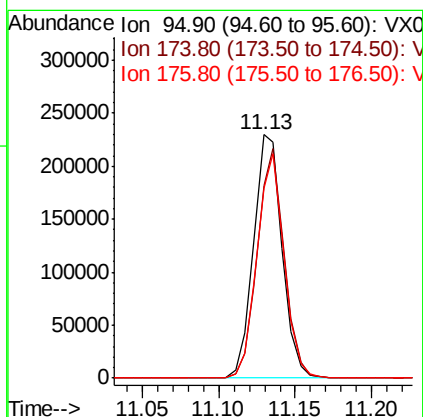
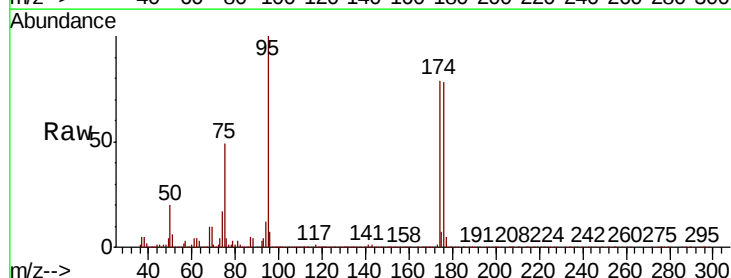
Instrument :
MSVOA_X
ClientSampleId :
SOIL-B

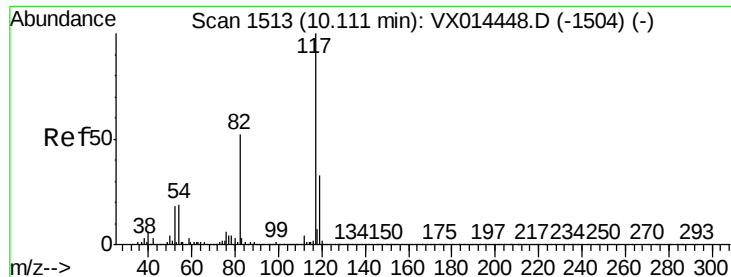
Tot Ion: 43 Resp: 138570
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 46.434 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Tgt Ion: 95 Resp: 297068
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.8
176 88.3 0.0 172.8

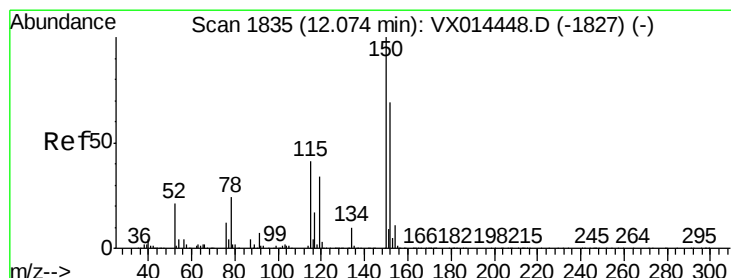
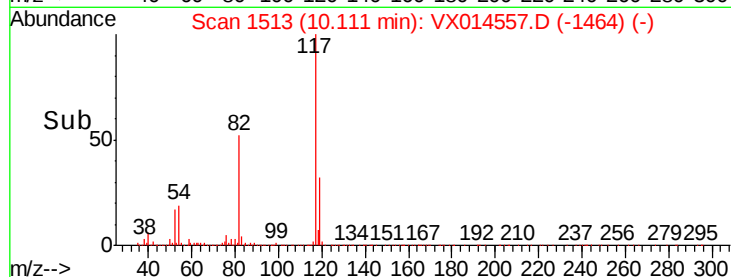
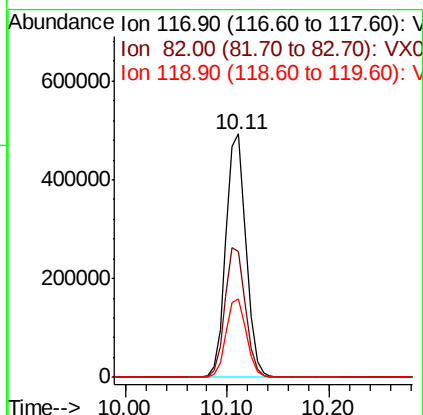
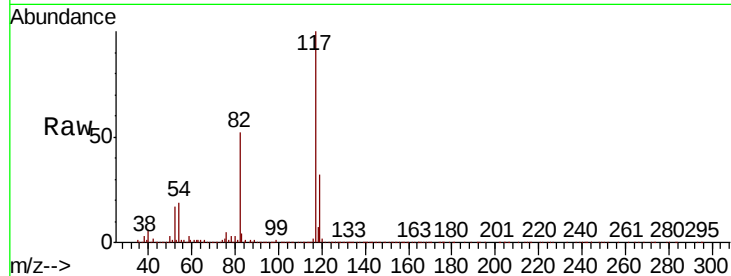




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

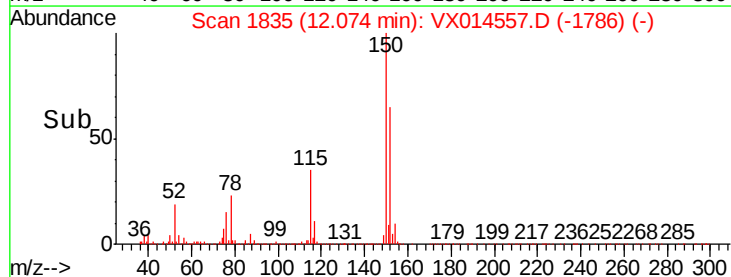
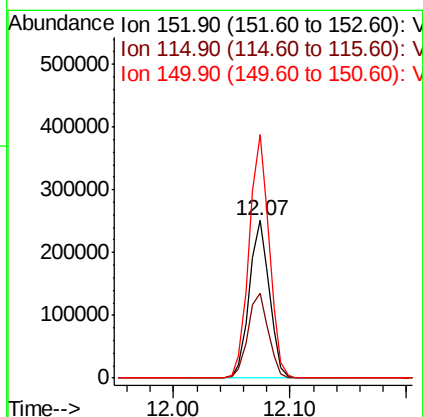
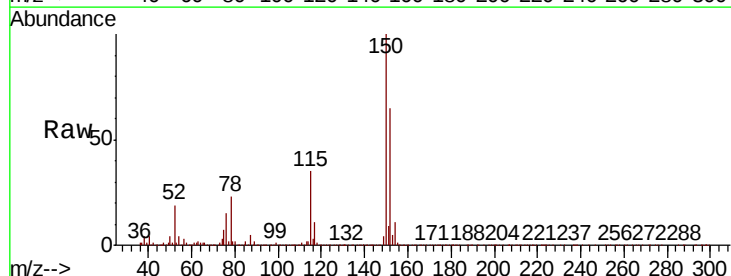
Instrument :
MSVOA_X
ClientSampleId :
SOIL-B

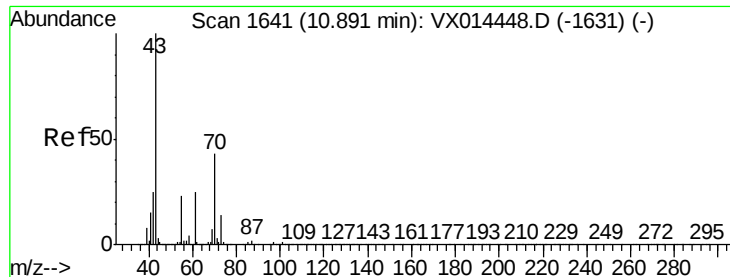
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.6
119	32.3	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014557.D
Acq: 11 Jan 2020 00:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	39.5	118.3
150	154.0	0.0	350.2





#74

N-amvl acetate

Concen: 0.734 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

SOIL-B

Tot Ion: 43 Resp: 6916

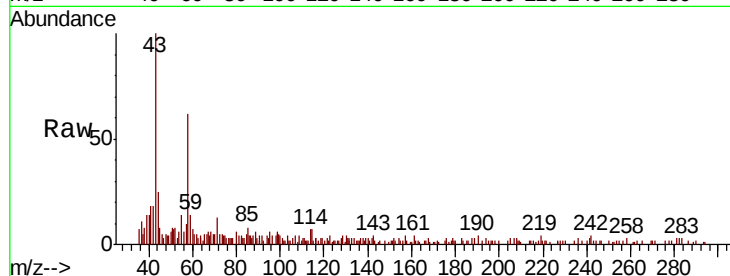
Ion Ratio Lower Upper

43 100

70 3.9 35.1 52.7#

55 9.9 19.3 28.9#

61 0.0 20.0 30.0#

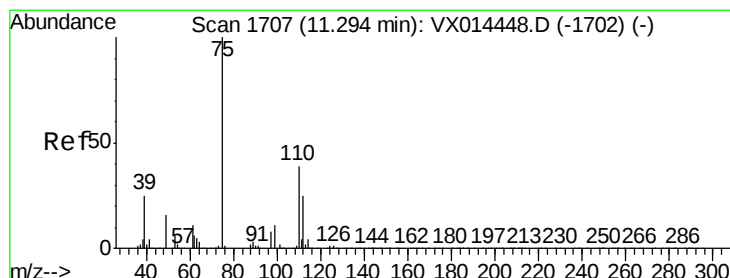
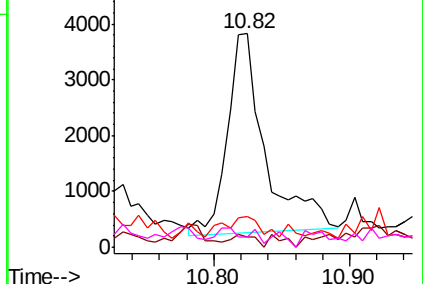
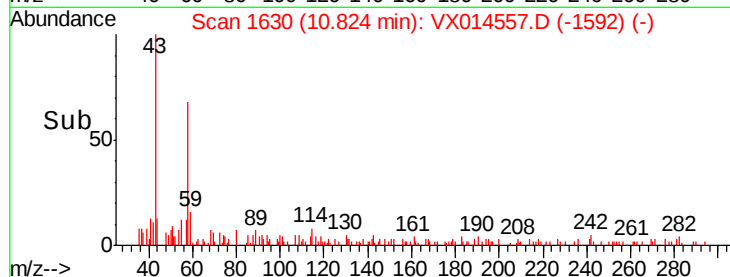


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.408 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014557.D

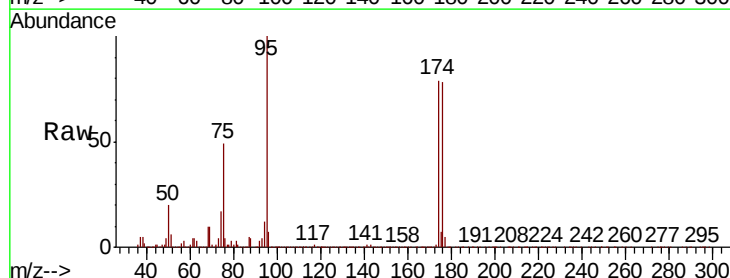
Acq: 11 Jan 2020 00:06

Tgt Ion: 75 Resp: 147350

Ion Ratio Lower Upper

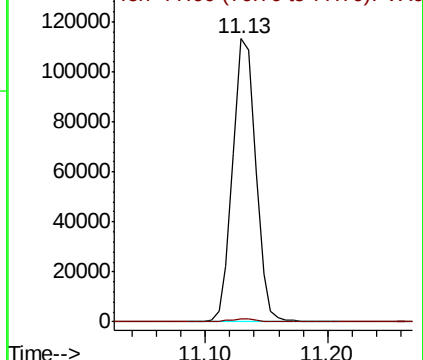
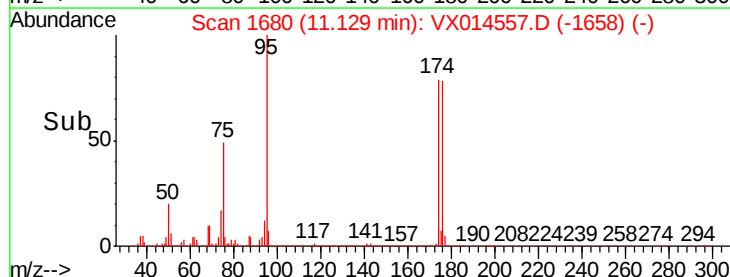
75 100

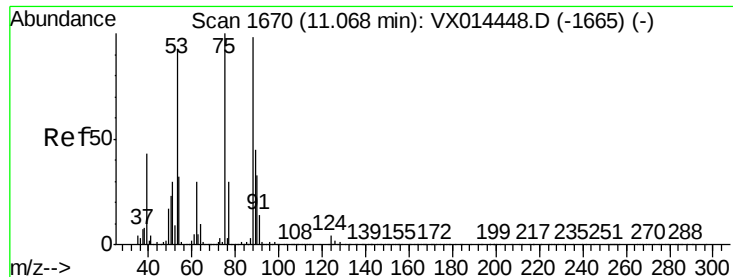
77 1.9 21.9 65.7#



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: 61.886 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

Instrument :

MSVOA_X

ClientSampleId :

SOIL-B

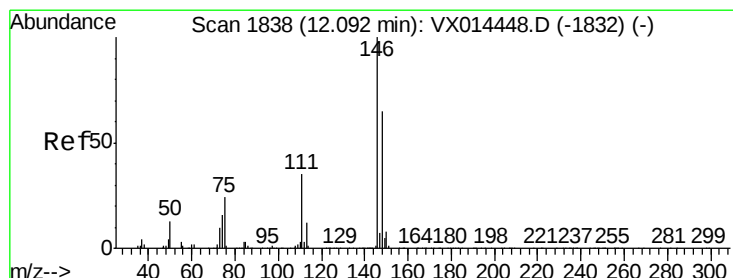
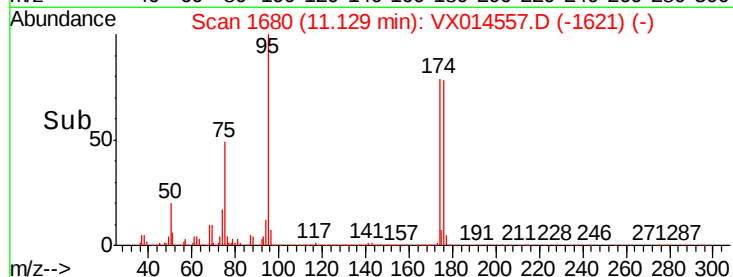
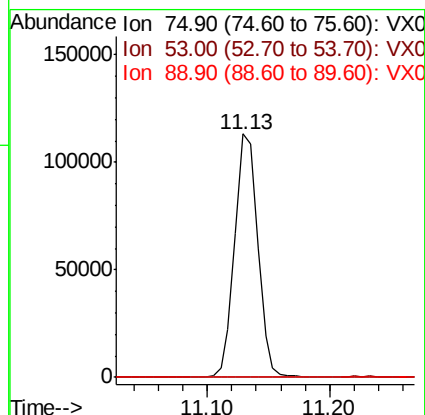
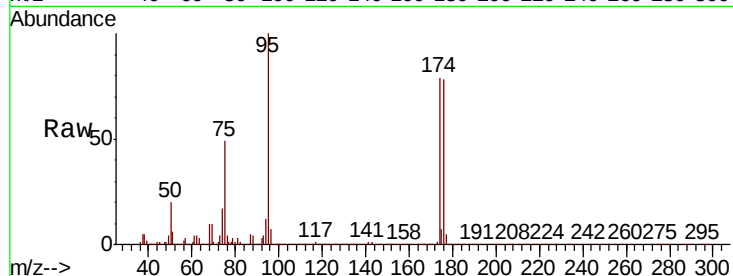
Tot Ion: 75 Resp: 147350

Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.1 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 11.88 min Scan# 1803

Delta R.T. -0.21 min

Lab File: VX014557.D

Acq: 11 Jan 2020 00:06

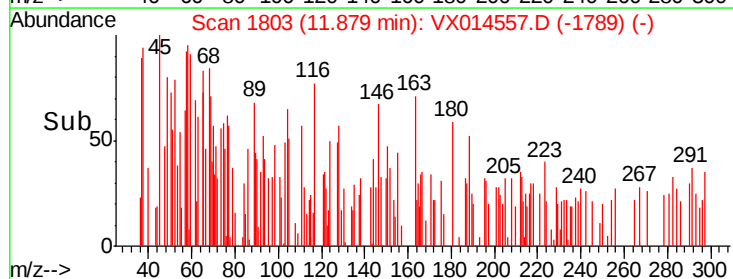
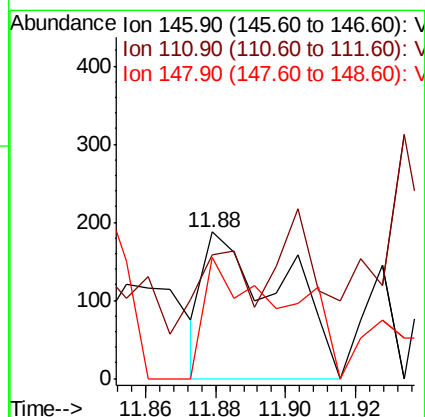
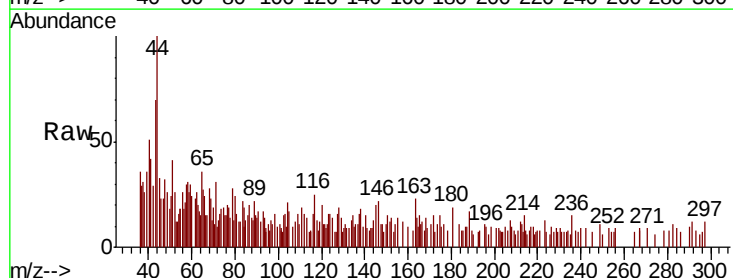
Tgt Ion: 146 Resp: 291

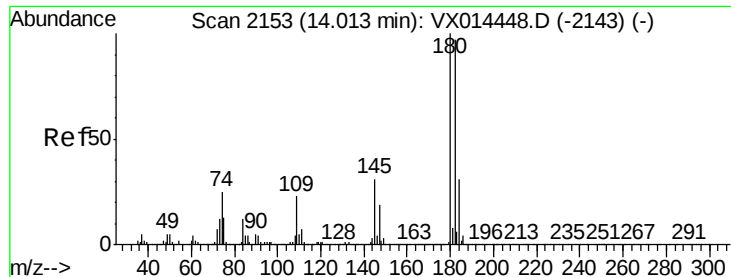
Ion Ratio Lower Upper

146 100

111 53.3 18.1 54.1

148 85.6 32.1 96.3





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VX014557.D
 Acq: 11 Jan 2020 00:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-B

Tot Ion	Ratio	Lower	Upper
180	100		
182	119.5	47.9	143.6
145	47.6	14.8	44.3#

