

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009558.D
 Acq On : 14 May 2019 13:03
 Operator : JC/SP
 Sample : K2837-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP

Quant Time: May 15 01:52:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	189200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305542	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124429	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	5.50	113	92725	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	385065	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	126526	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	728	0.489	ug/l #	77
10) Methyl Iodide	2.52	142	219	4.690	ug/l #	42
11) Tert butyl alcohol	3.04	59	1031	1.724	ug/l #	93
13) Acrolein	2.29	56	253	0.467	ug/l	87
16) Acetone	2.44	43	24099	17.377	ug/l	97
18) Methyl Acetate	2.77	43	3401	1.031	ug/l	98
20) Methylene Chloride	2.86	84	124044	55.240	ug/l	98
25) 2-Butanone	4.70	43	3999	1.856	ug/l	96
28) Bromochloromethane	5.01	49	22	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	710	0.512	ug/l #	53
30) Chloroform	5.21	83	866	0.233	ug/l #	77
31) Cyclohexane	5.67	56	4137	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14587	5.137	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17764	6.886	ug/l #	15
43) Isopropyl Acetate	6.45	43	12394	1.959	ug/l	97
48) Methyl methacrylate	7.67	41	7883	2.511	ug/l #	18
49) 1,4-Dioxane	7.77	88	22	0.346	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	90619	21.909	ug/l #	52
52) Toluene	8.79	92	1348	0.252	ug/l	99
54) cis-1,3-Dichloropropene	8.61	75	38853	10.787	ug/l #	61
57) 1,3-Dichloropropane	9.54	76	9450	2.464	ug/l #	44
59) 2-Hexanone	9.54	43	150156	46.223	ug/l #	51
67) Ethyl Benzene	10.25	91	20390	2.055	ug/l	98
68) m/p-Xylenes	10.35	106	34916	9.628	ug/l	99
69) o-Xylene	10.69	106	15577	4.354	ug/l	97
70) Styrene	10.71	104	2079	0.334	ug/l #	1
74) N-amyl acetate	10.69	43	14928	3.065	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	63897	23.975	ug/l #	34
78) n-propylbenzene	11.36	91	6698	0.702	ug/l	98
79) 2-Chlorotoluene	11.43	91	6875	1.168	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.51	105	26060	3.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	63897	61.343	ug/l #	10
82) 4-Chlorotoluene	11.51	91	2922	0.439	ug/l #	47
83) tert-Butylbenzene	12.02	119	2697	0.394	ug/l	74

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QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

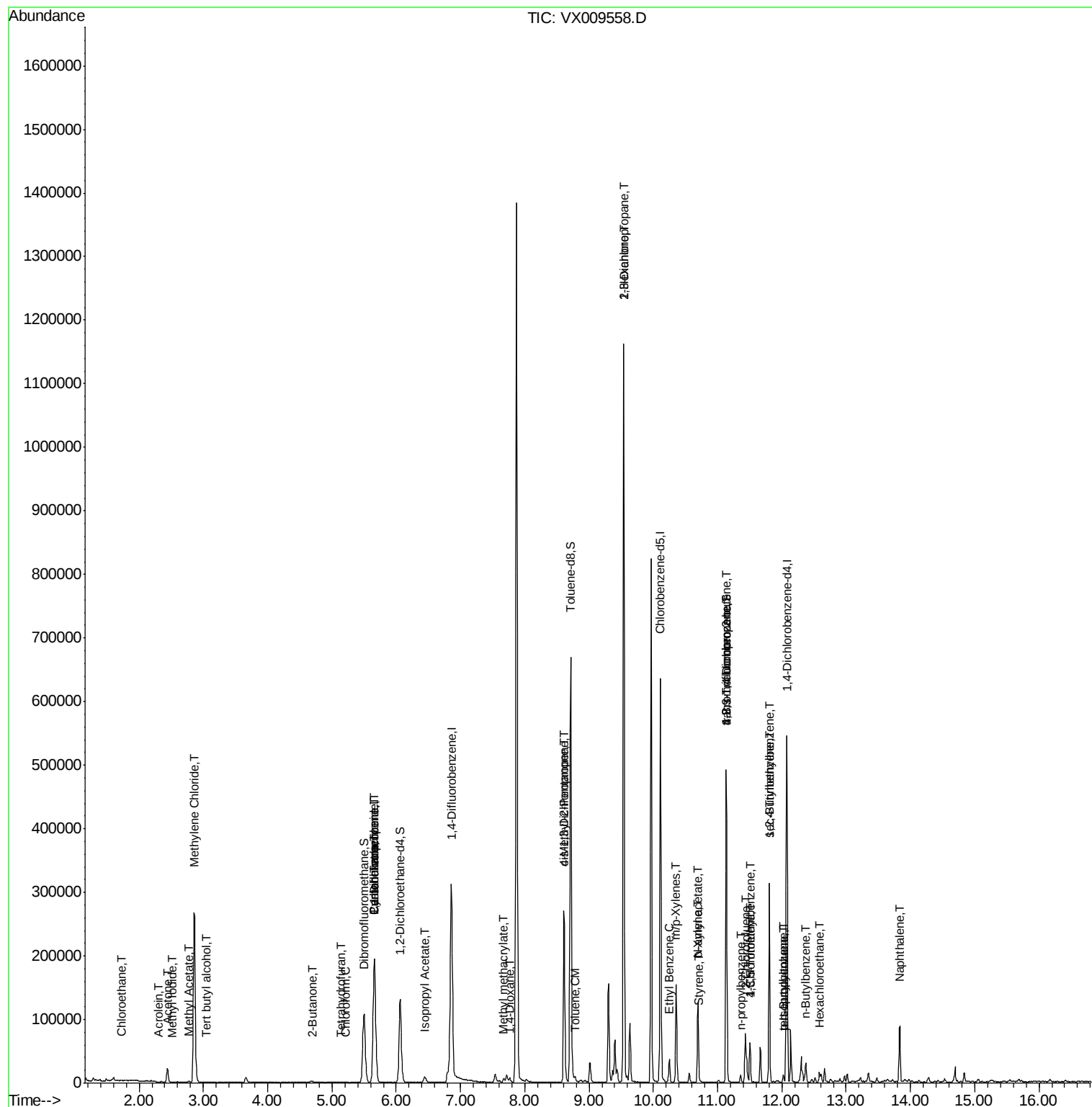
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	126643	17.935	ug/l	99
85) sec-Butylbenzene	11.80	105	126643	15.609	ug/l #	57
86) p-Isopropyltoluene	12.02	119	2697	0.370	ug/l	88
89) n-Butylbenzene	12.37	91	3457	0.524	ug/l #	18
90) Hexachloroethane	12.58	117	720	0.579	ug/l #	7
95) Naphthalene	13.83	128	53708	6.411	ug/l	99

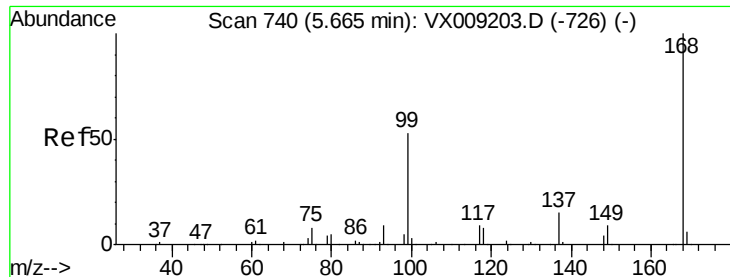
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

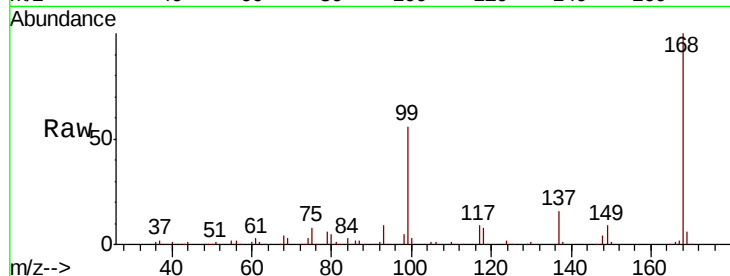
SOIL-COMP

Tot Ion:168 Resp: 189200

Ion Ratio Lower Upper

168 100

99 56.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

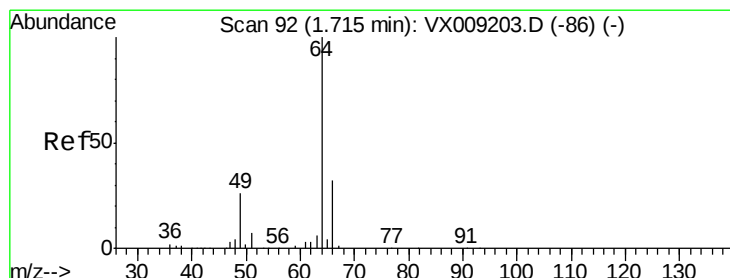
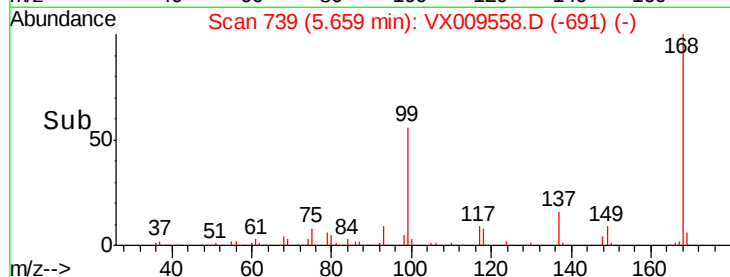
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.489 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009558.D

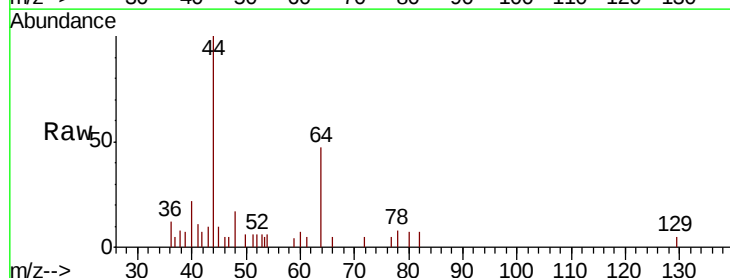
Acq: 14 May 2019 13:03

Tgt Ion: 64 Resp: 728

Ion Ratio Lower Upper

64 100

66 18.8 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

500

400

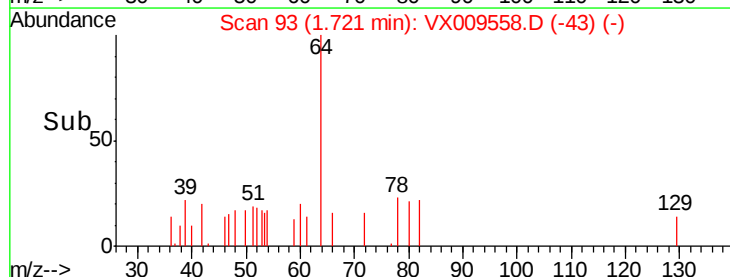
300

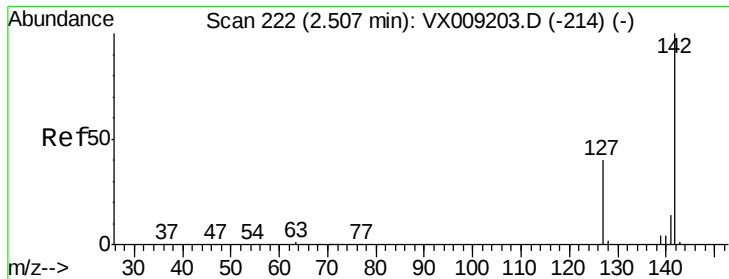
200

100

0

Time--> 1.65 1.70 1.75

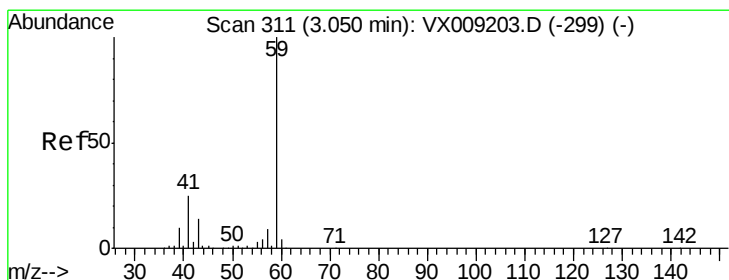
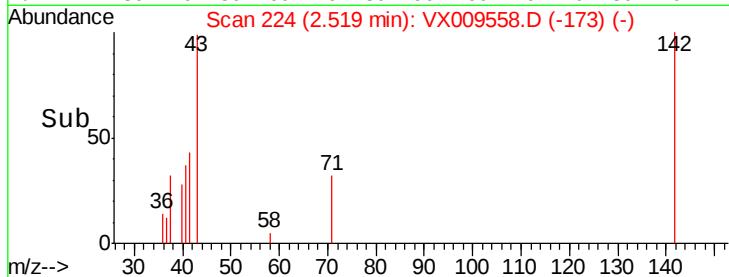
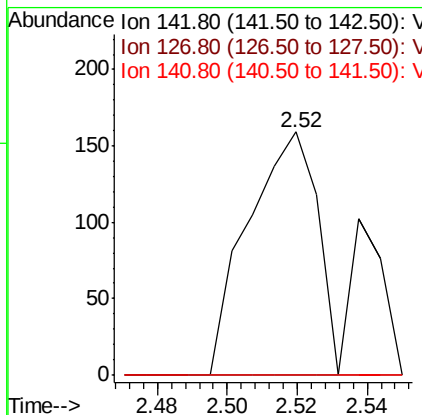
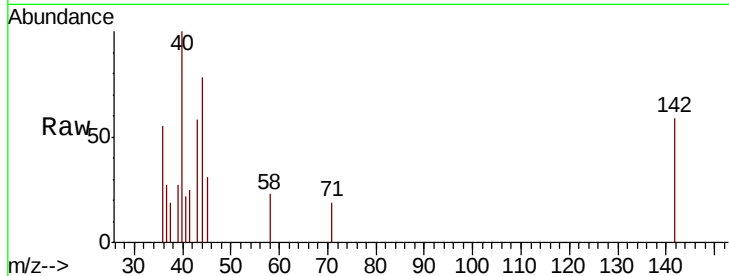




#10
Methvl Iodide
Concen: 4.690 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

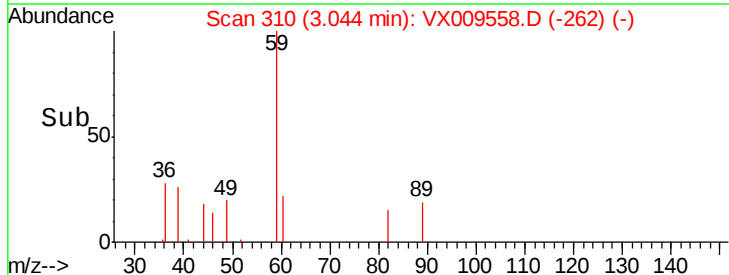
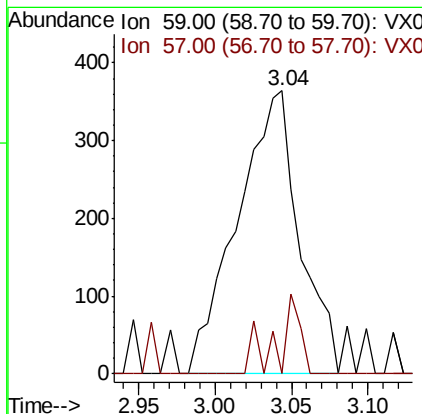
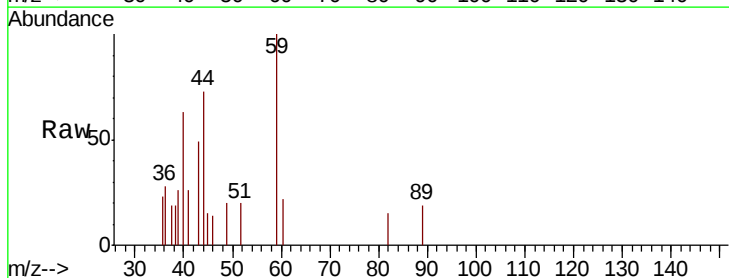
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

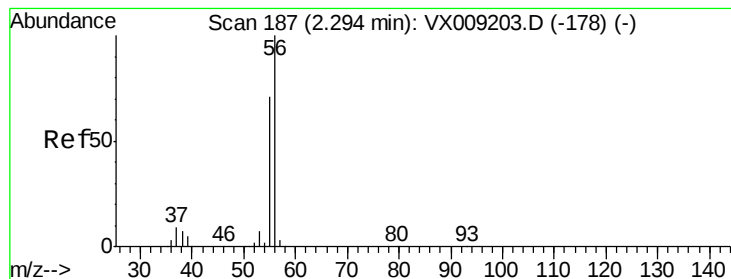
Tot Ion:142 Resp: 219
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.724 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 59 Resp: 1031
Ion Ratio Lower Upper
59 100
57 7.7 8.2 12.2#





#13

Acrolein

Concen: 0.467 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

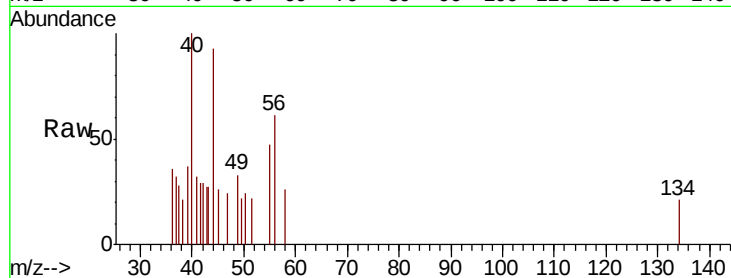
SOIL-COMP

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

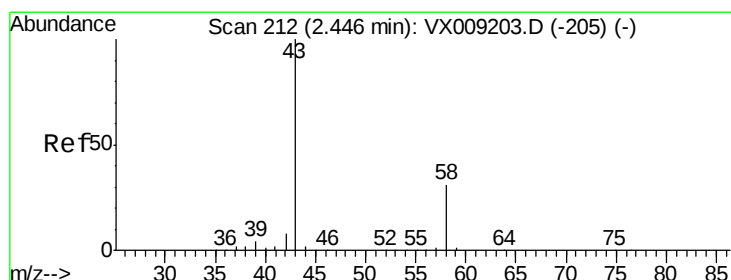
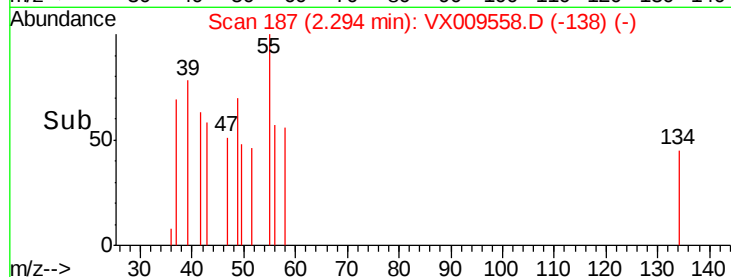
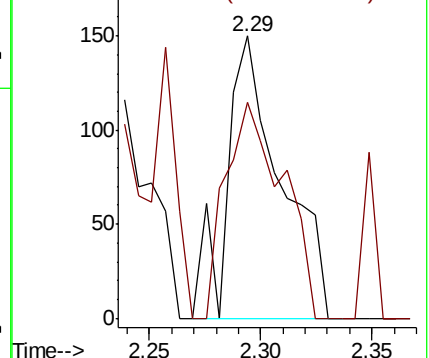
56 100

55 81.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 17.377 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009558.D

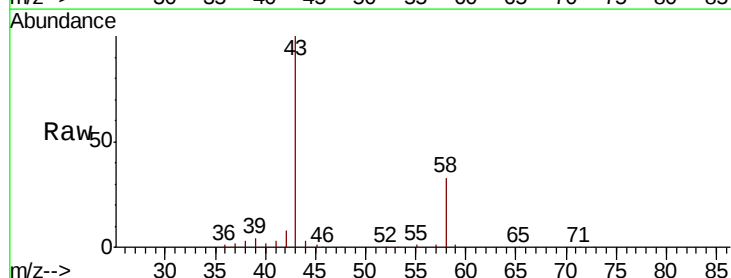
Acq: 14 May 2019 13:03

Tgt Ion: 43 Resp: 24099

Ion Ratio Lower Upper

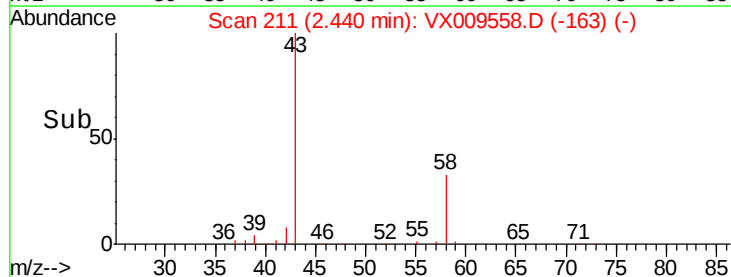
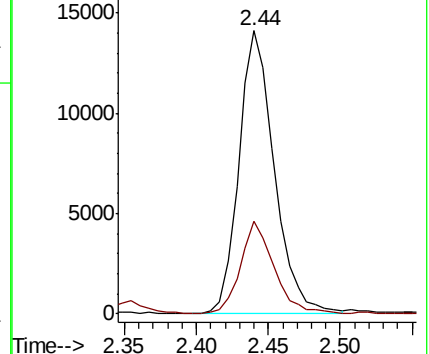
43 100

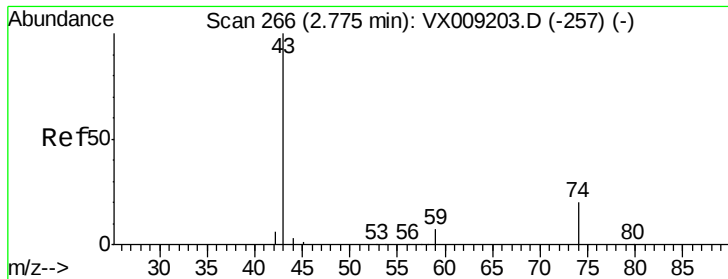
58 32.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

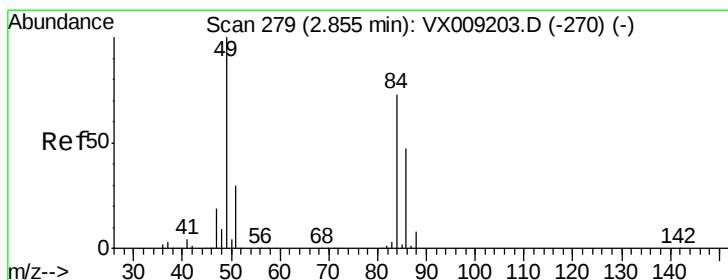
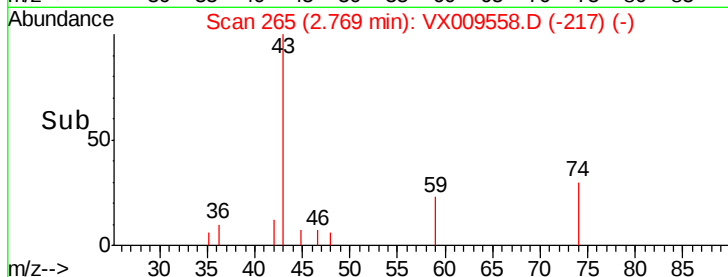
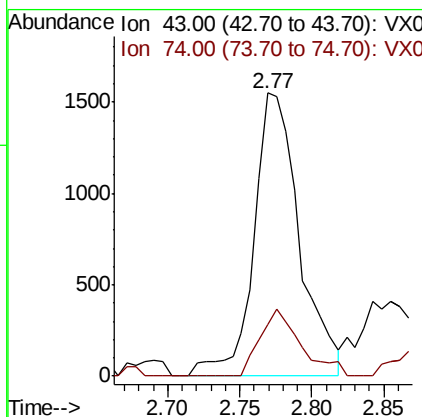
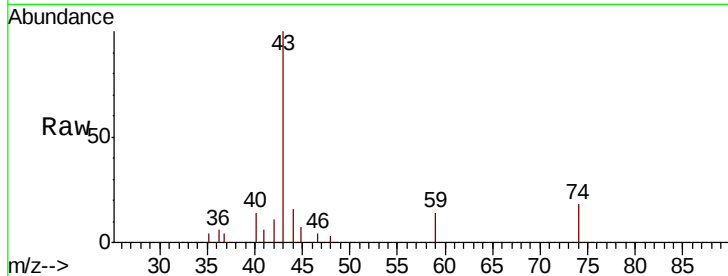




#18
Methvl Acetate
Concen: 1.031 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

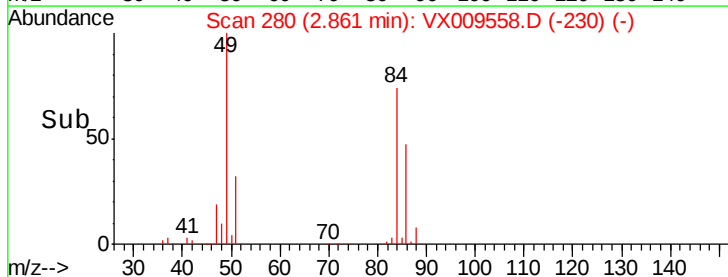
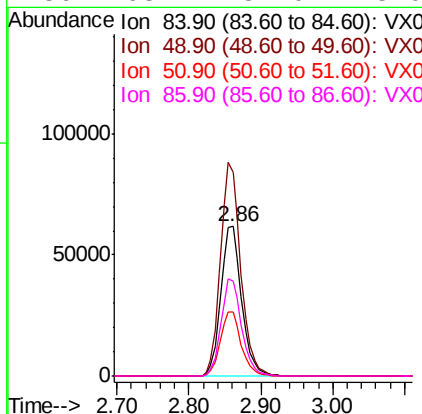
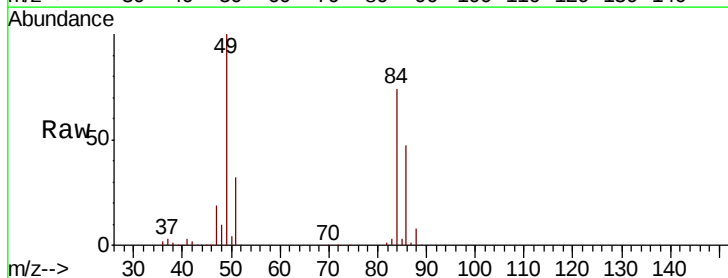
Instrument :
MSVOA_X
ClientSampled :
SOIL-COMP

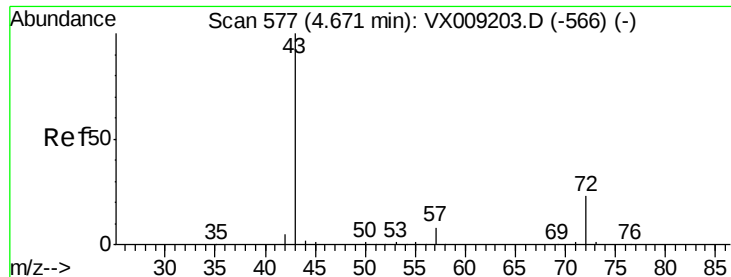
Tot Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
74 21.3 16.2 24.4



#20
Methylene Chloride
Concen: 55.240 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 84 Resp: 124044
Ion Ratio Lower Upper
84 100
49 135.9 109.9 164.9
51 43.1 32.7 49.1
86 63.7 52.0 78.0





#25

2-Butanone

Concen: 1.856 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampled :

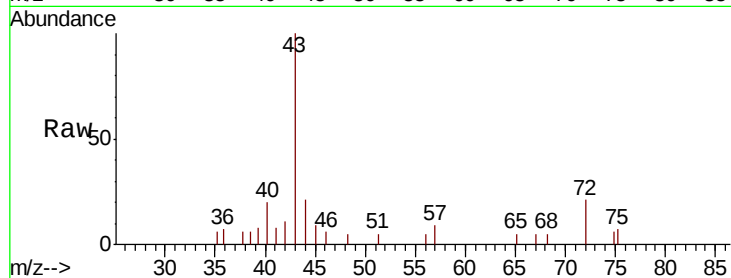
SOIL-COMP

Tot Ion: 43 Resp: 3999

Ion Ratio Lower Upper

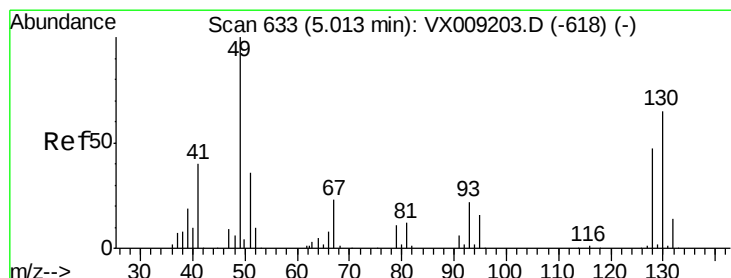
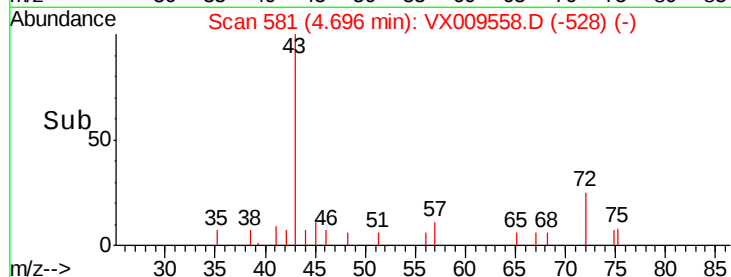
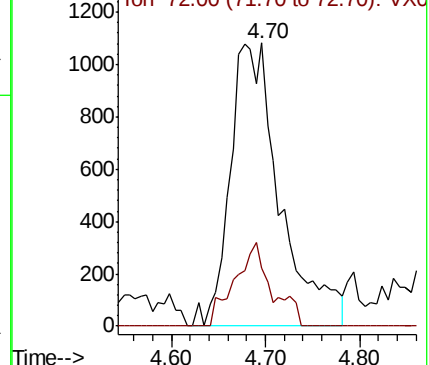
43 100

72 20.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

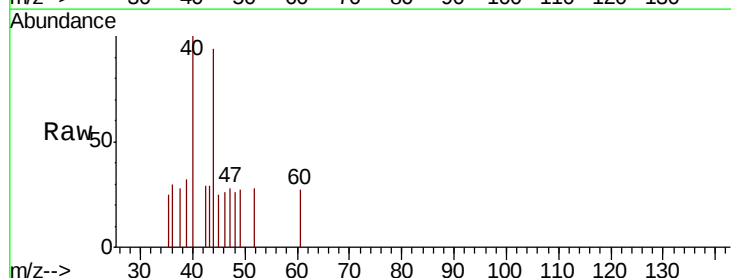
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

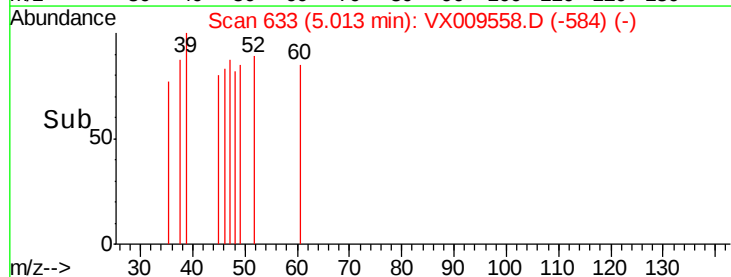
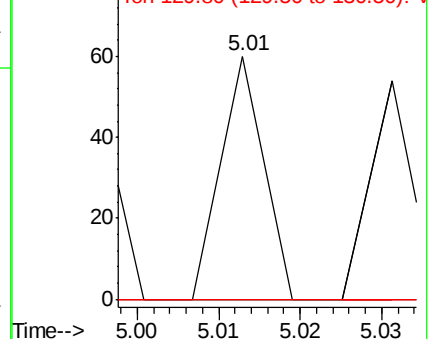
130 0.0 51.2 76.8#

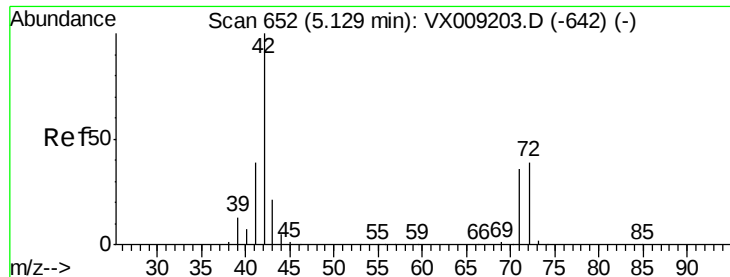


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

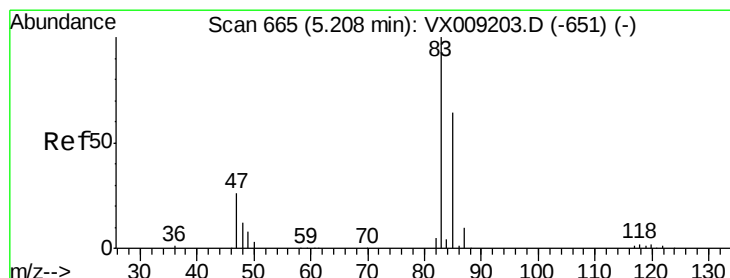
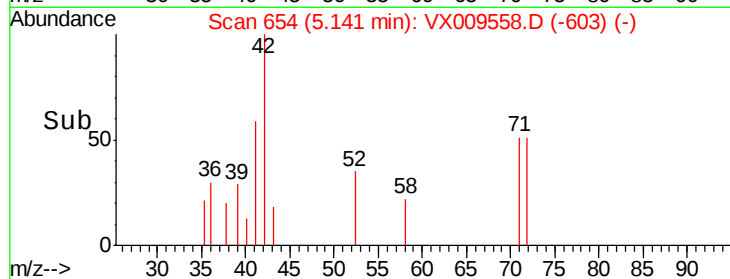
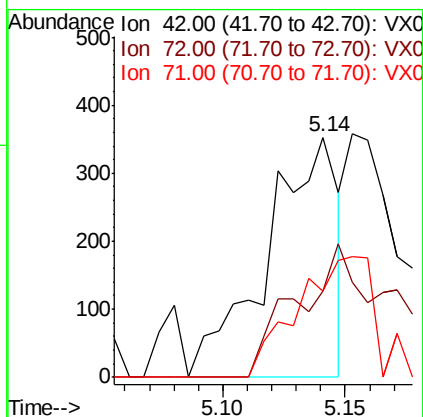
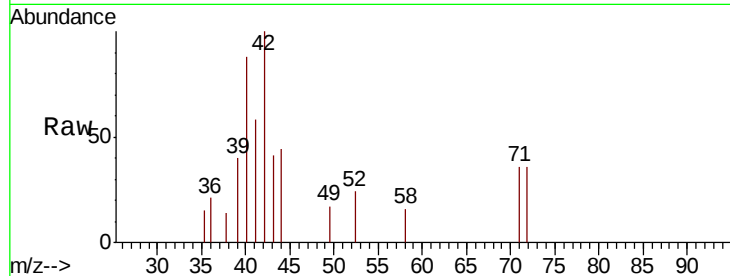




#29
Tetrahydrofuran
Concen: 0.512 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

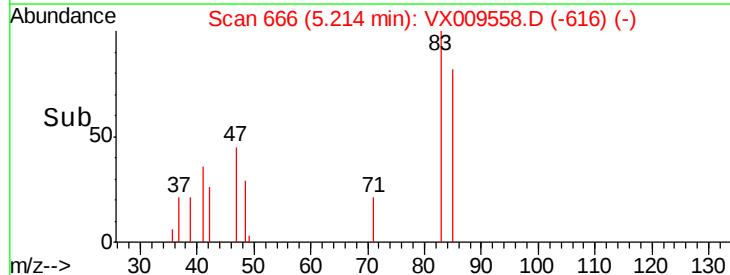
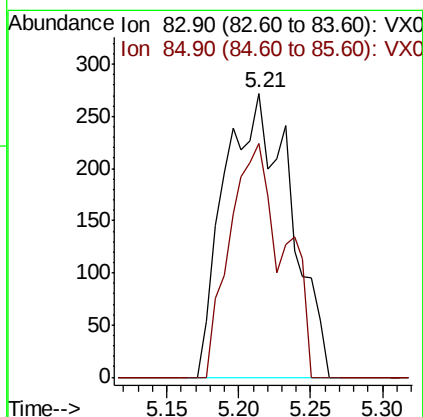
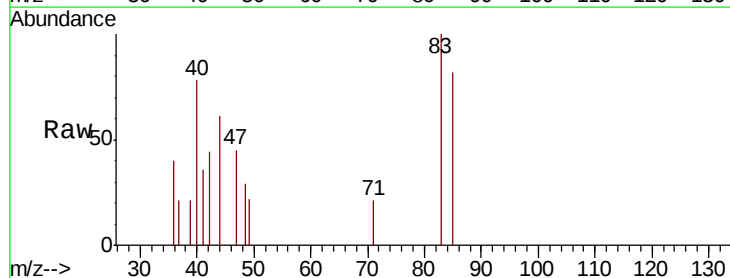
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

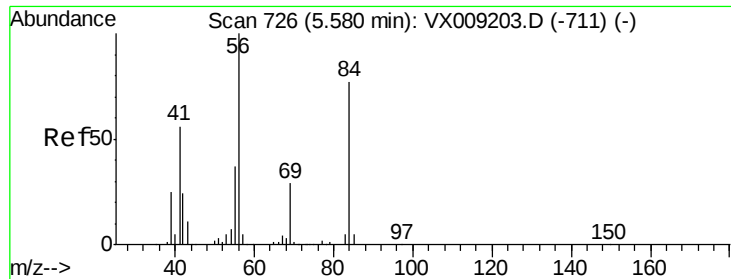
Tot Ion: 42 Resp: 710
Ion Ratio Lower Upper
42 100
72 74.8 30.4 45.6#
71 55.2 28.6 43.0#



#30
Chloroform
Concen: 0.233 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 83 Resp: 866
Ion Ratio Lower Upper
83 100
85 82.4 51.5 77.3#

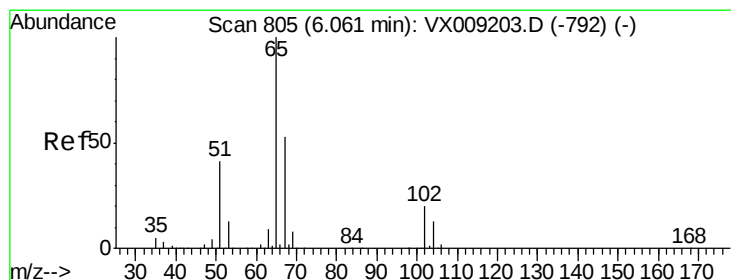
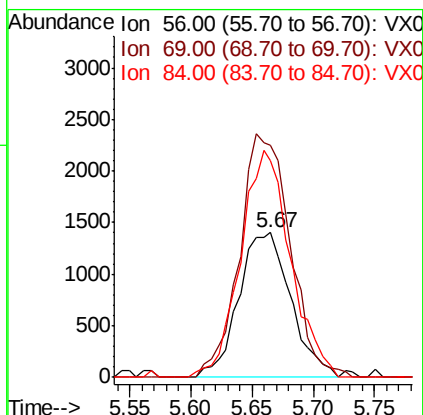
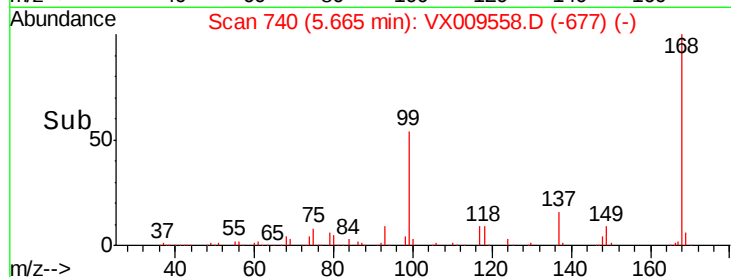
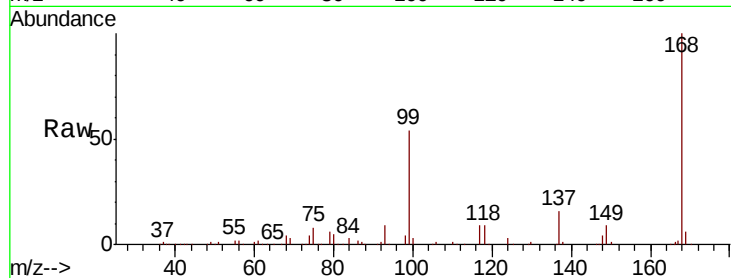




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

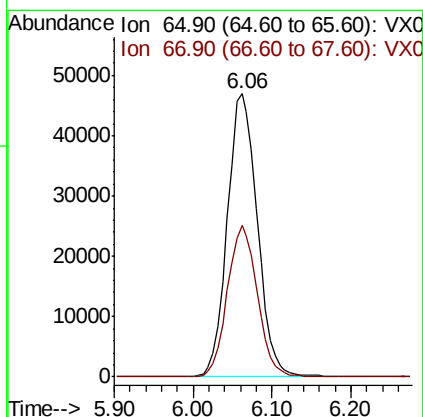
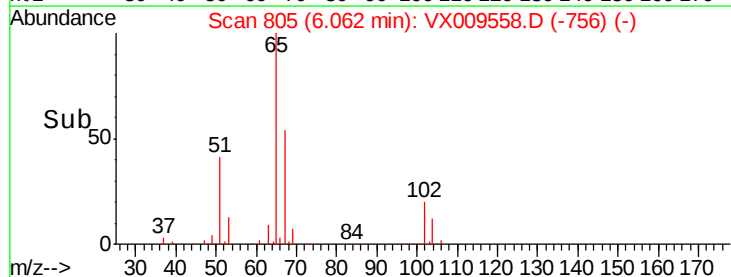
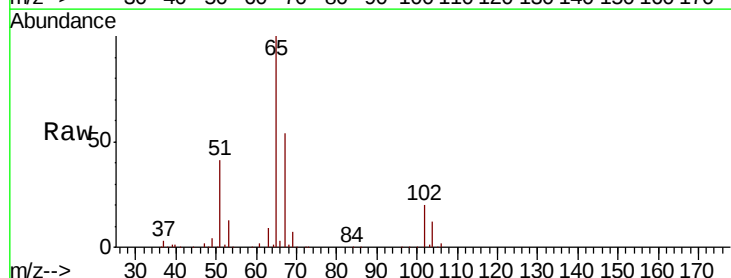
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

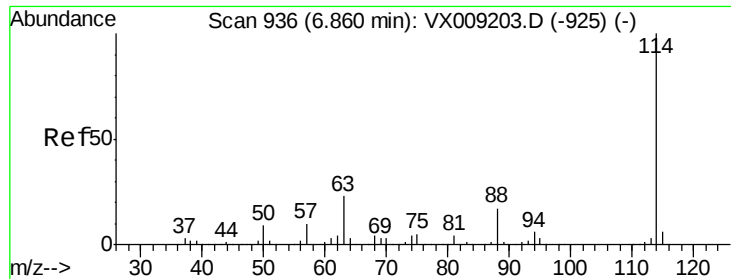
Tot Ion: 56 Resp: 4137
Ion Ratio Lower Upper
56 100
69 160.1 23.4 35.0#
84 149.6 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.176 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 65 Resp: 124429
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6

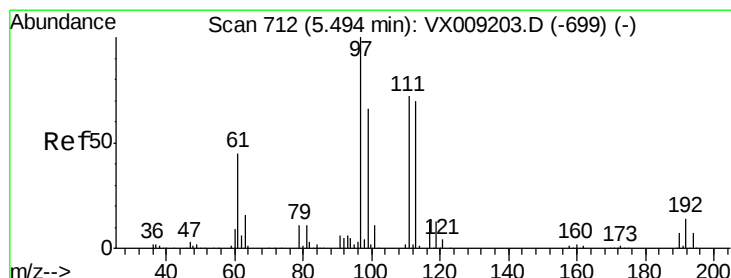
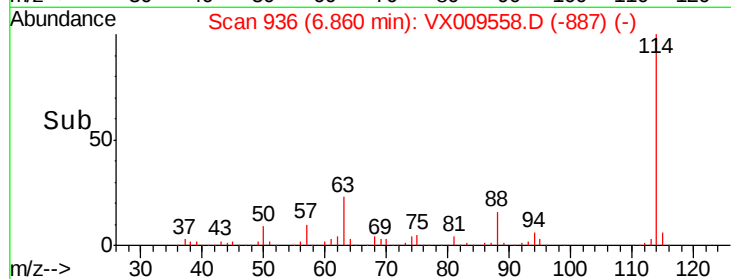
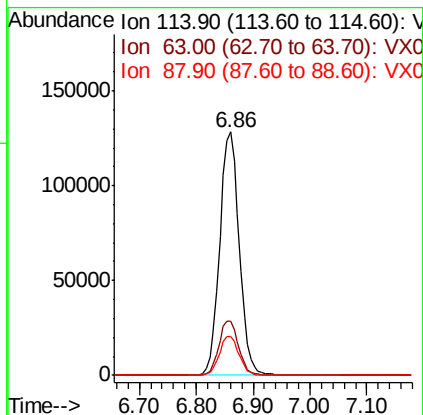
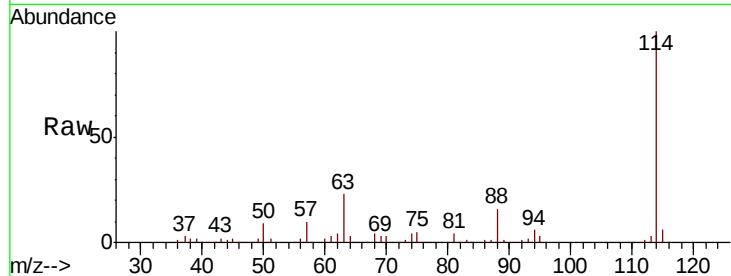




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

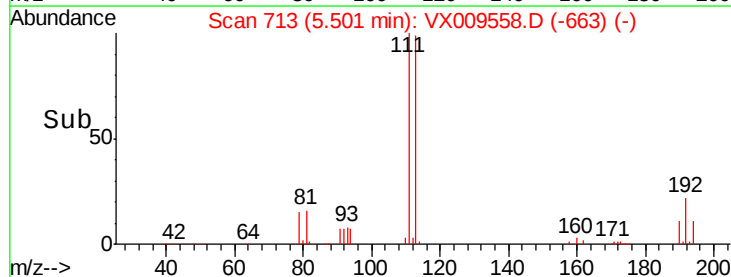
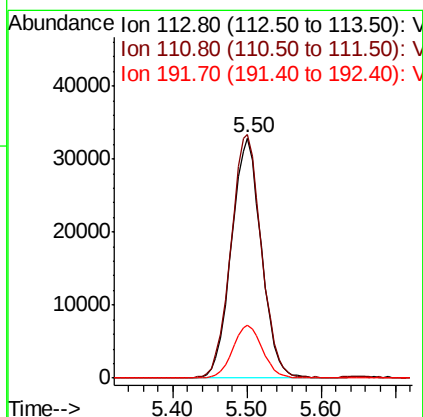
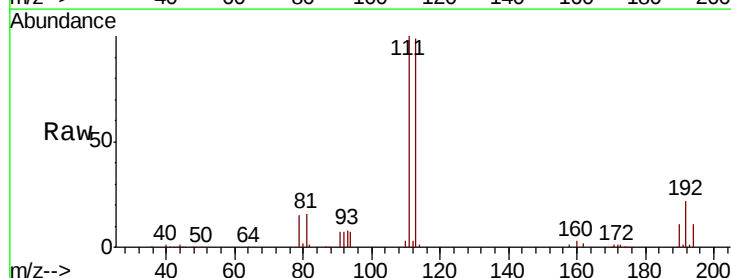
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP

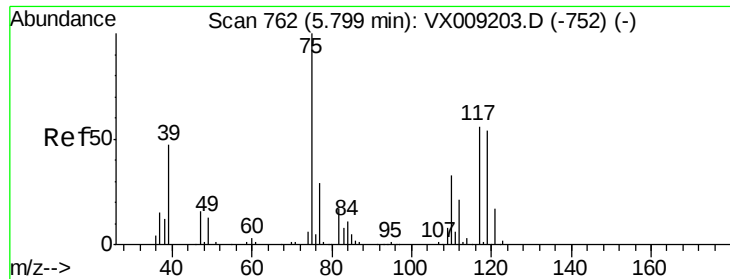
Tot Ion:114 Resp: 305542
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 15.9 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.275 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

Tgt Ion:113 Resp: 92725
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 22.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.137 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP

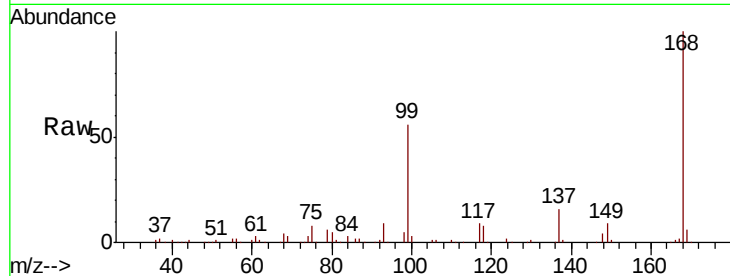
Tot Ion: 75 Resp: 14587

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.6#

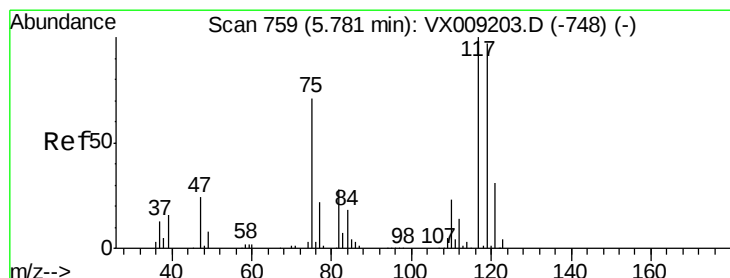
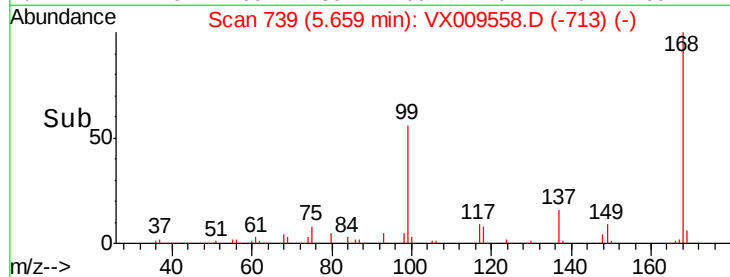
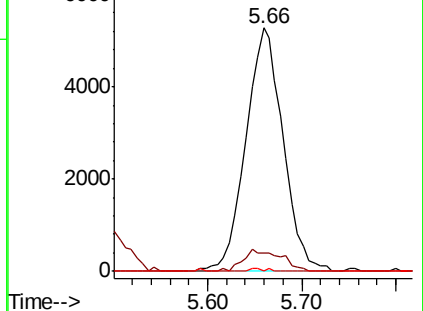
77 0.5 24.8 37.2#



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: 6.886 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

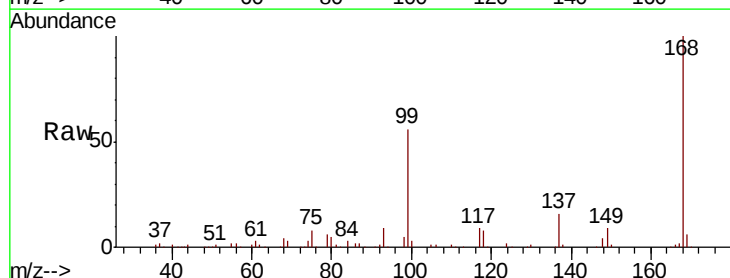
Tgt Ion: 117 Resp: 17764

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

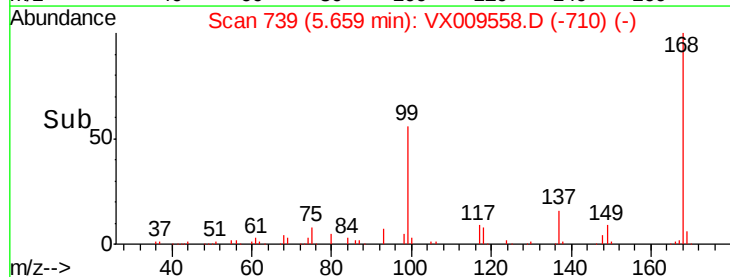
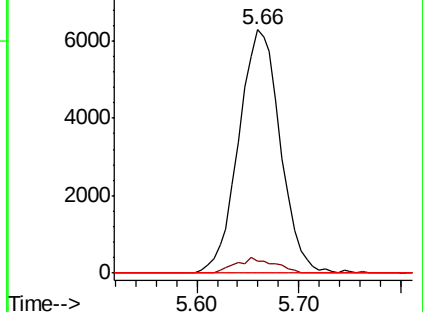
121 0.0 24.7 37.1#

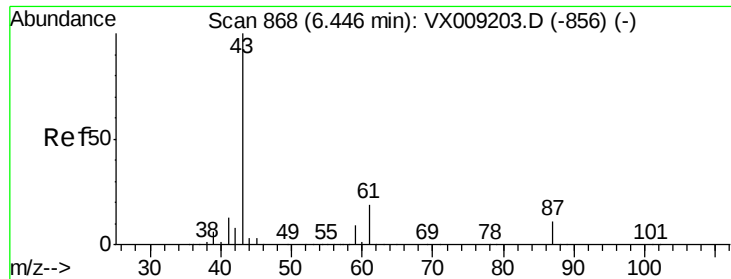


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



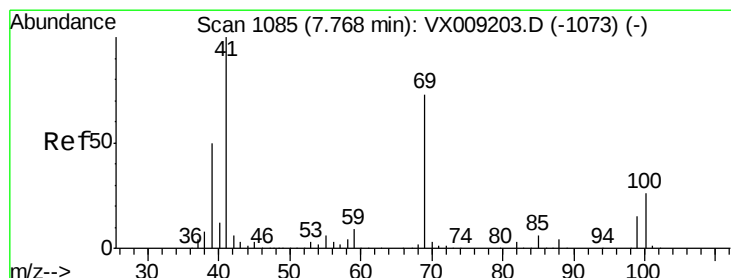
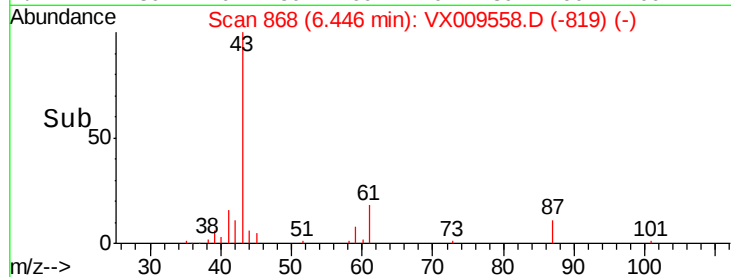
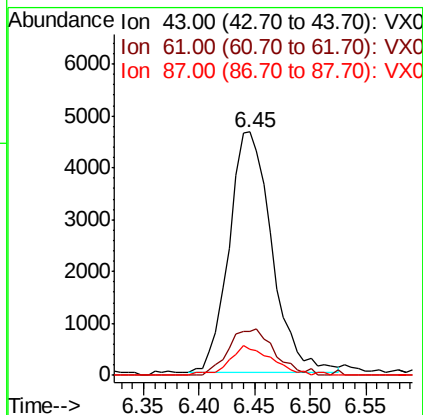
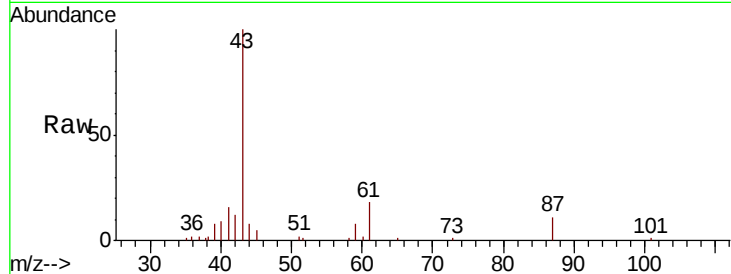


#43

Isopropyl Acetate
 Concen: 1.959 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP

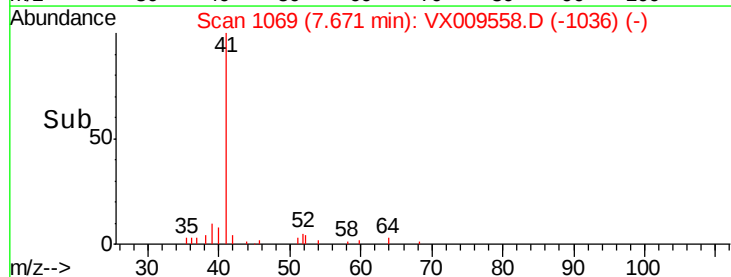
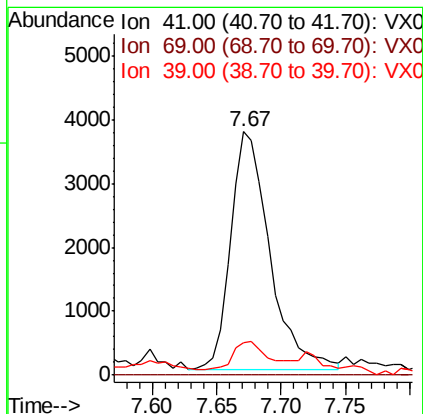
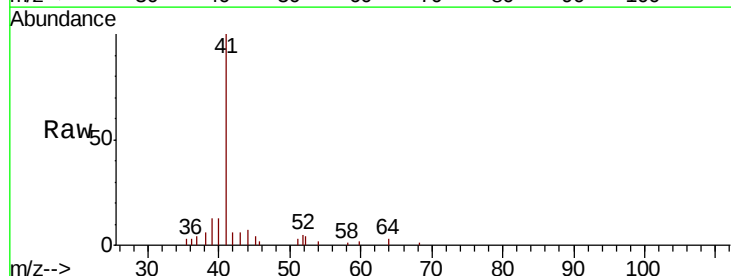
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.1	22.7
87	12.2	9.0	13.6

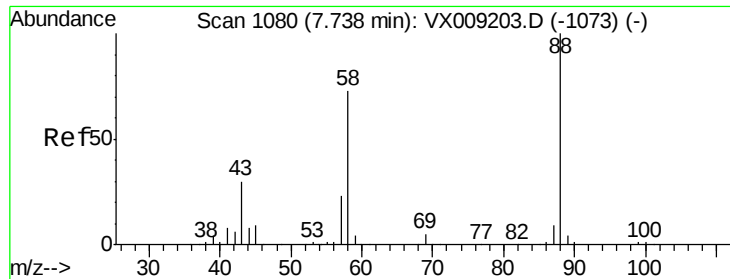


#48

Methyl methacrylate
 Concen: 2.511 ug/l
 RT: 7.67 min Scan# 1069
 Delta R.T. -0.10 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.1	88.7#
39	0.0	40.4	60.6#

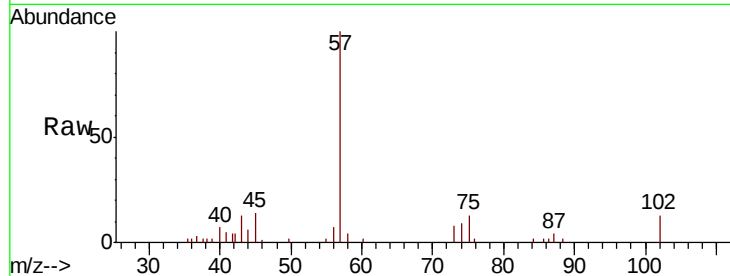




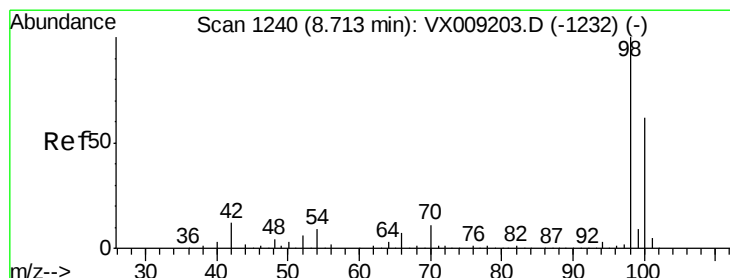
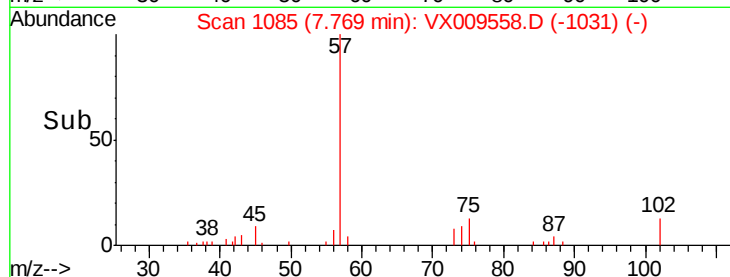
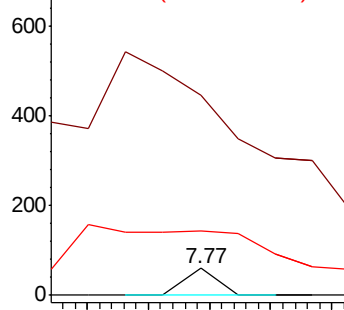
#49
 1,4-Dioxane
 Concen: 0.346 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP

Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.6 42.8#
 58 1772.7 61.7 92.5#

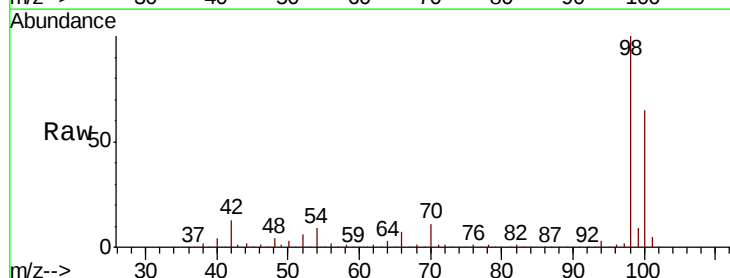


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

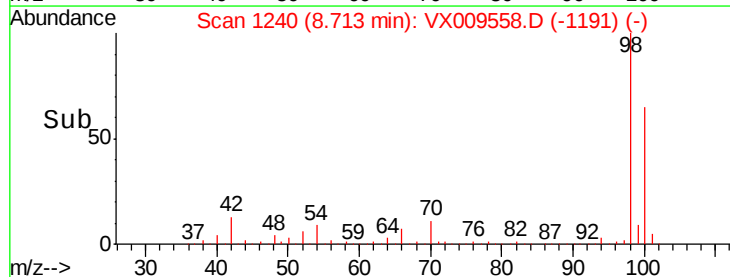
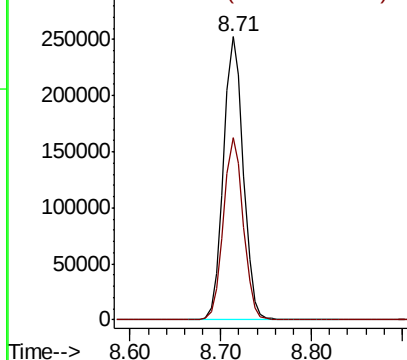


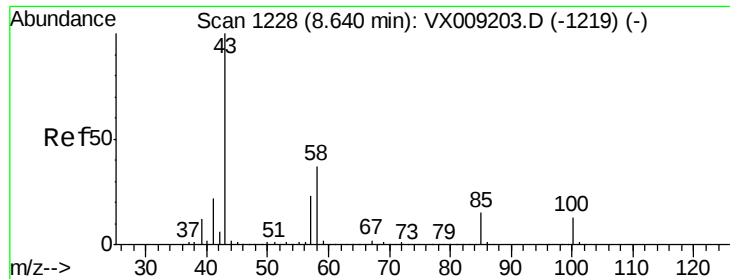
#50
 Toluene-d8
 Concen: 49.656 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

Tgt Ion: 98 Resp: 385065
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 21.909 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampled :

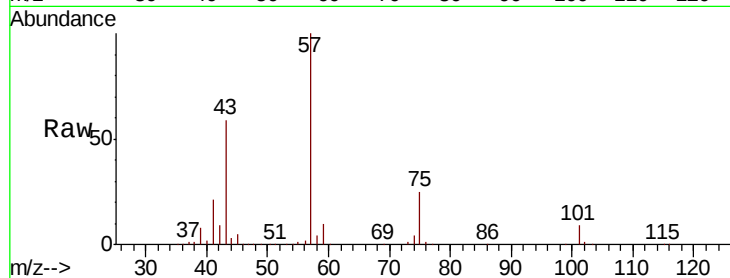
SOIL-COMP

Tot Ion: 43 Resp: 90619

Ion Ratio Lower Upper

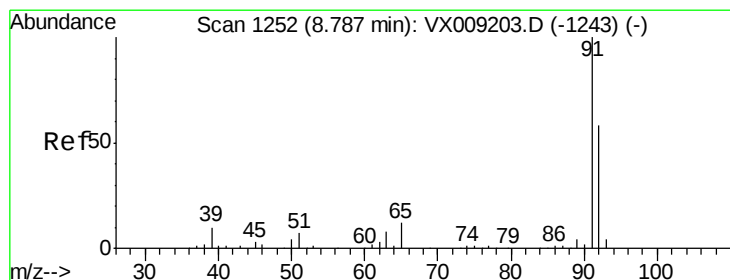
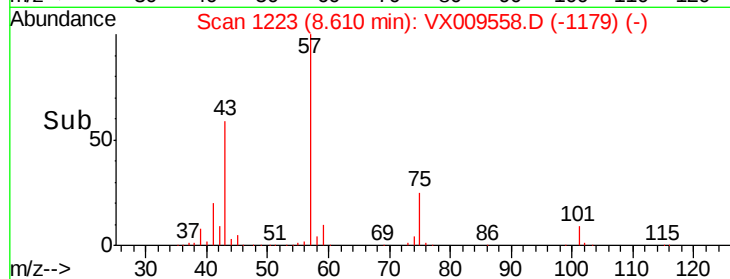
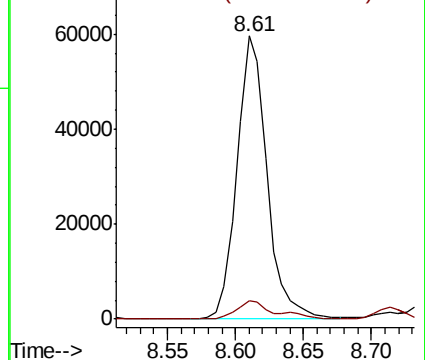
43 100

58 8.3 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.252 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009558.D

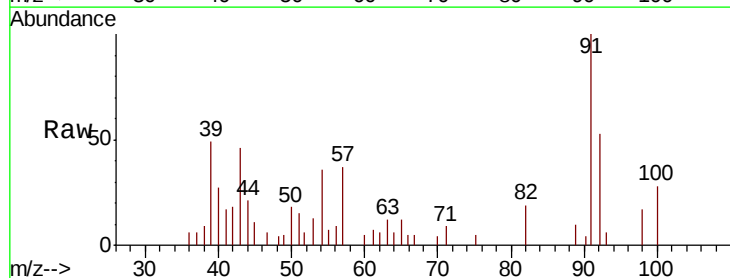
Acq: 14 May 2019 13:03

Tgt Ion: 92 Resp: 1348

Ion Ratio Lower Upper

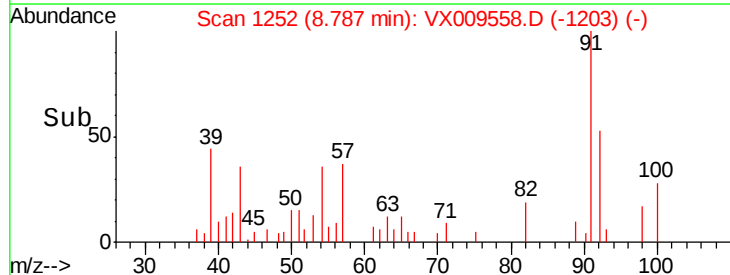
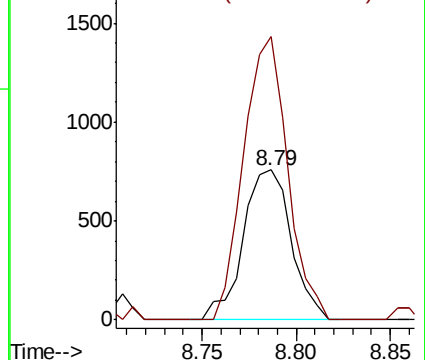
92 100

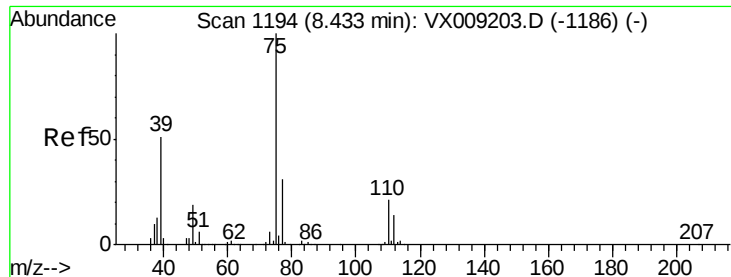
91 171.7 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 10.787 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampled :

SOIL-COMP

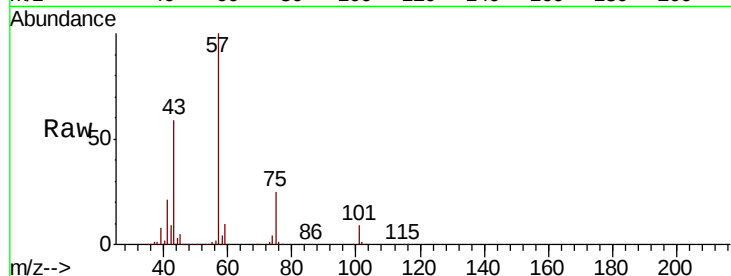
Tot Ion: 75 Resp: 38853

Ion Ratio Lower Upper

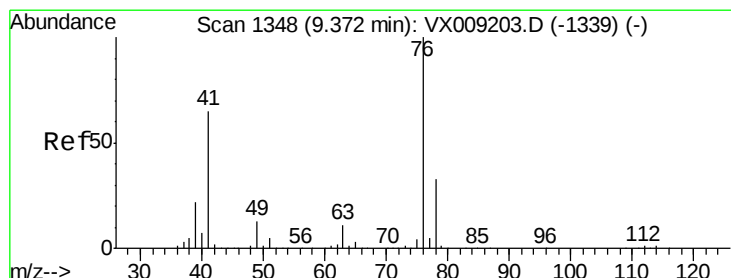
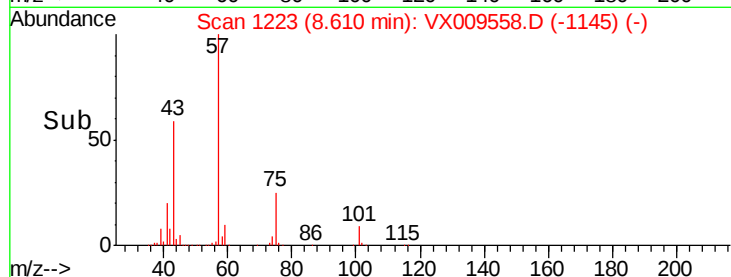
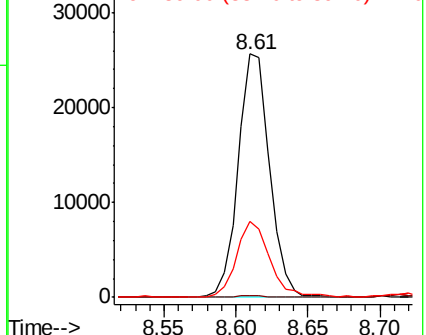
75 100

77 0.6 24.6 36.8#

39 30.9 40.6 60.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 2.464 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.16 min

Lab File: VX009558.D

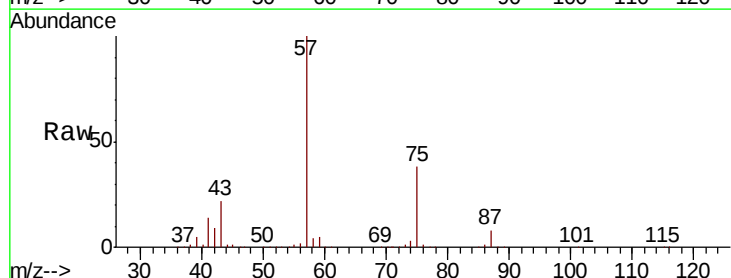
Acq: 14 May 2019 13:03

Tgt Ion: 76 Resp: 9450

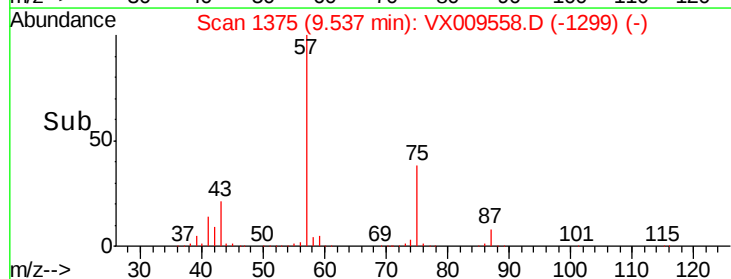
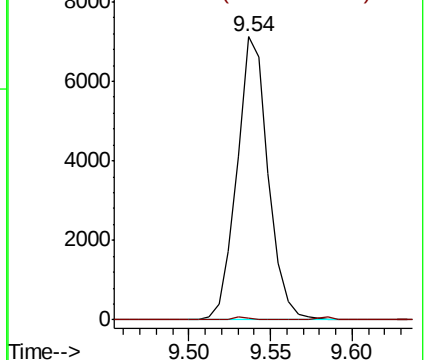
Ion Ratio Lower Upper

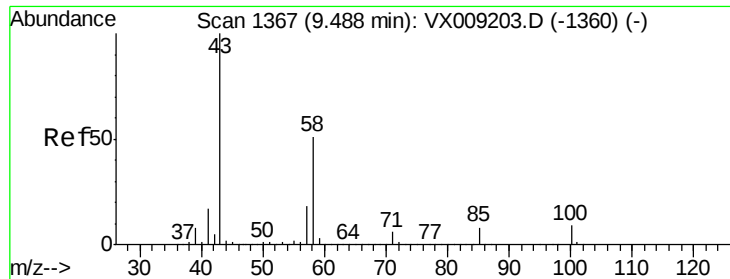
76 100

78 0.5 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

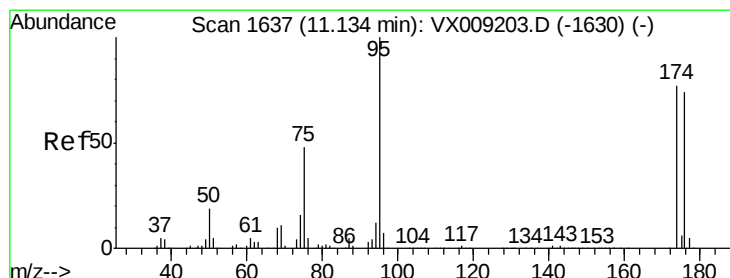
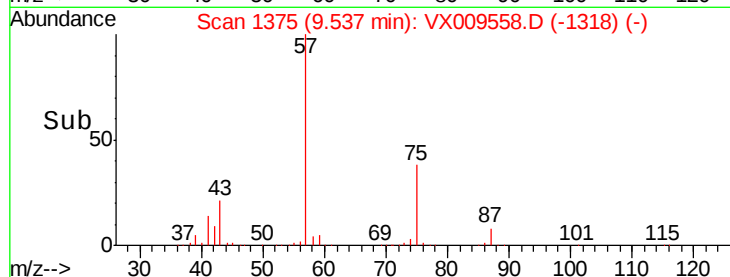
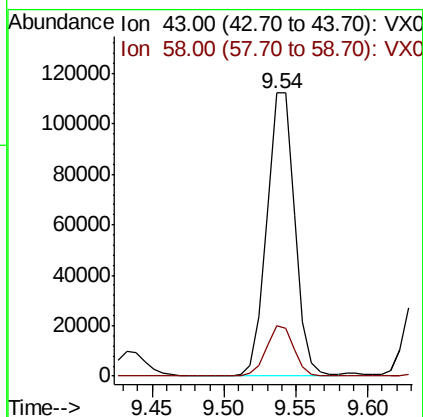
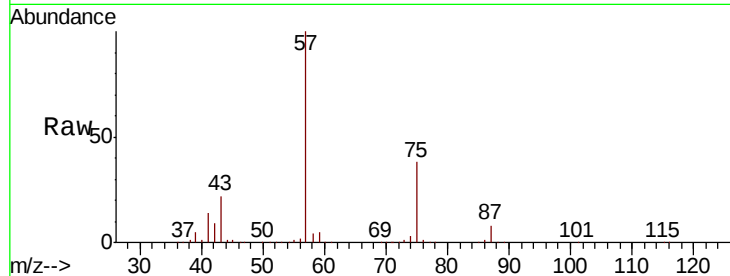




#59
2-Hexanone
Concen: 46.223 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

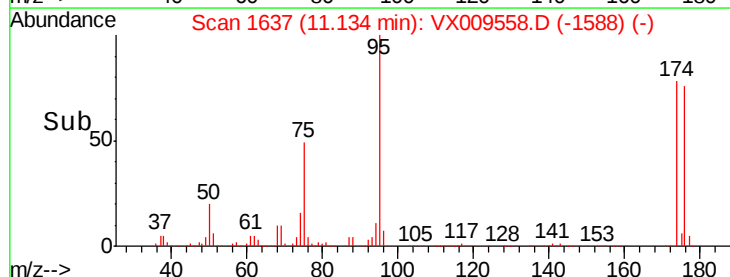
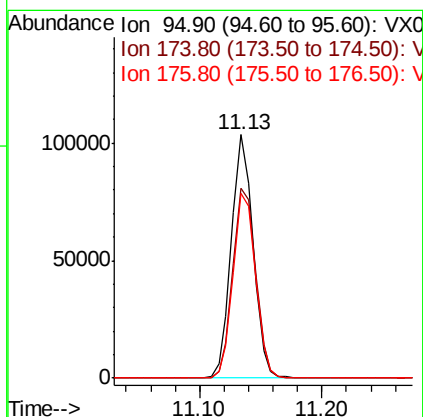
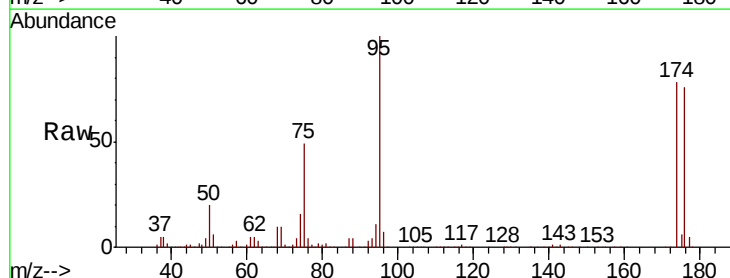
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

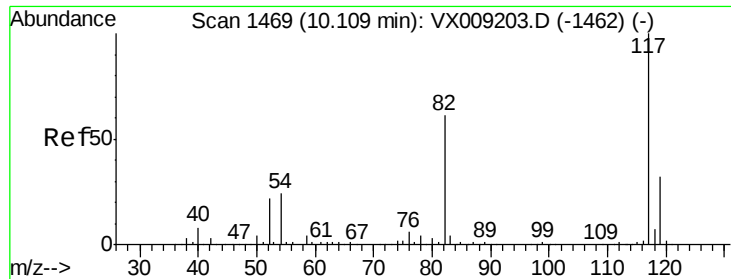
Tot Ion: 43 Resp: 150156
Ion Ratio Lower Upper
43 100
58 17.6 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 44.904 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 95 Resp: 126526
Ion Ratio Lower Upper
95 100
174 82.8 0.0 161.6
176 79.0 0.0 159.2

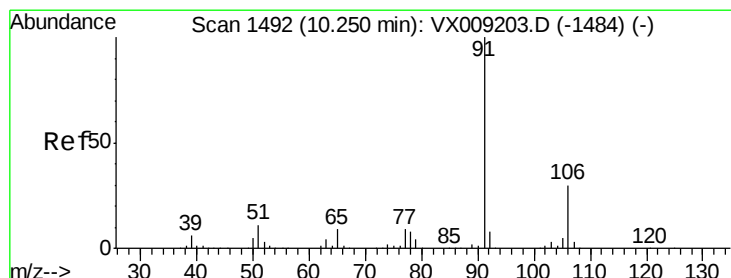
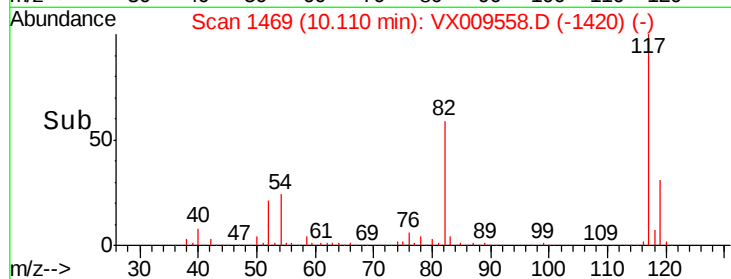
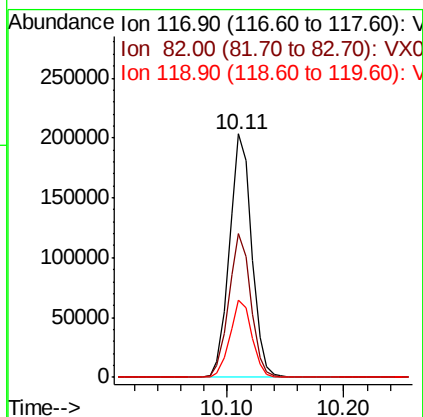
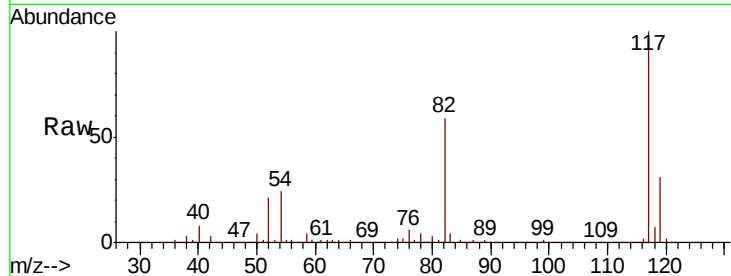




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

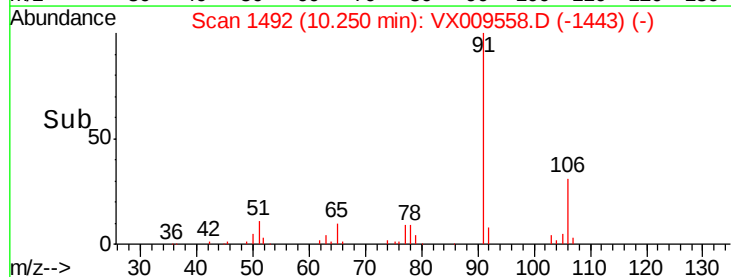
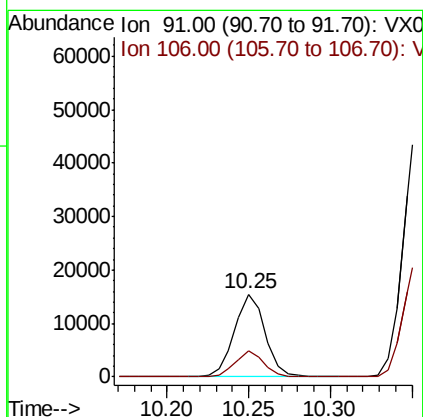
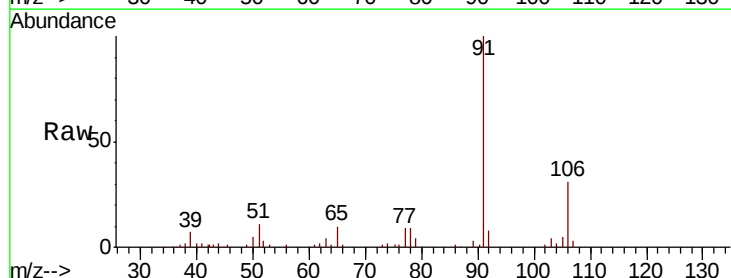
Instrument :
MSVOA_X
ClientSampled :
SOIL-COMP

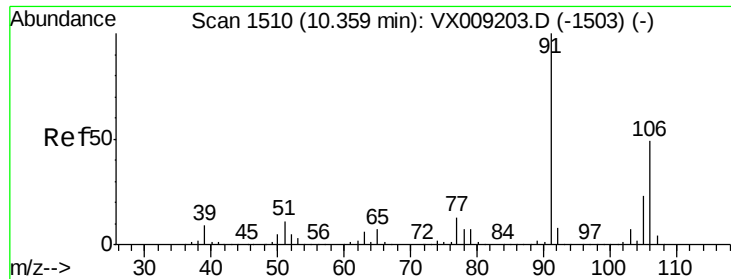
Tot Ion:117 Resp: 269551
Ion Ratio Lower Upper
117 100
82 58.9 48.8 73.2
119 31.5 25.8 38.6



#67
Ethyl Benzene
Concen: 2.055 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 91 Resp: 20390
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0

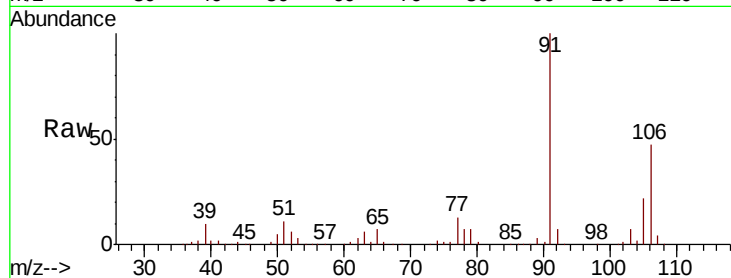




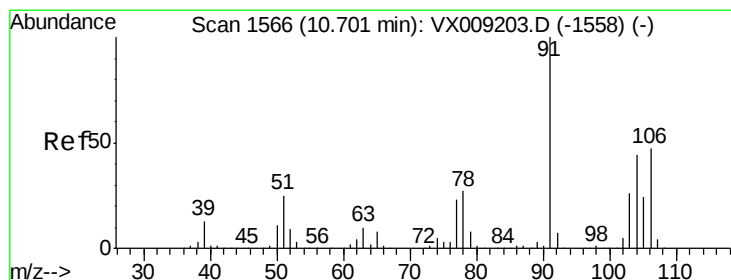
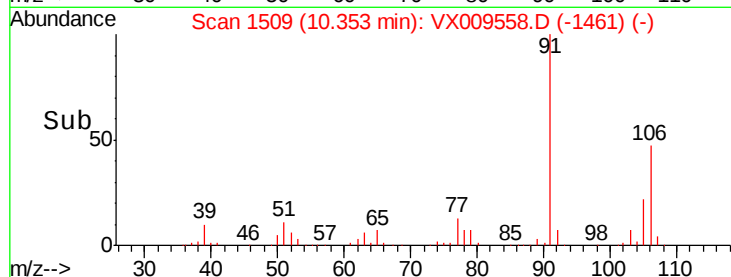
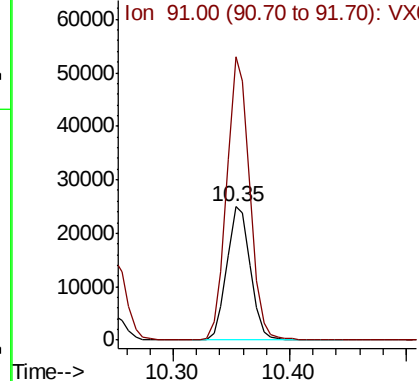
#68
m/p-Xylenes
Concen: 9.628 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

Tot Ion:106 Resp: 34916
Ion Ratio Lower Upper
106 100
91 205.9 164.0 246.0

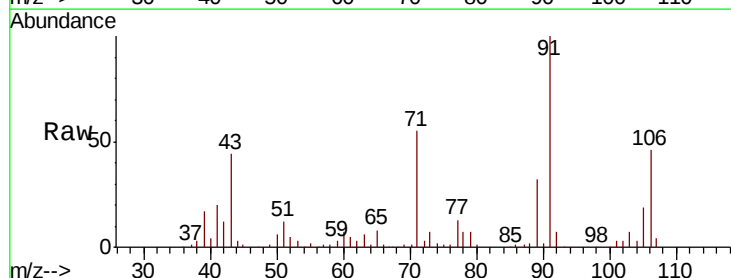


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

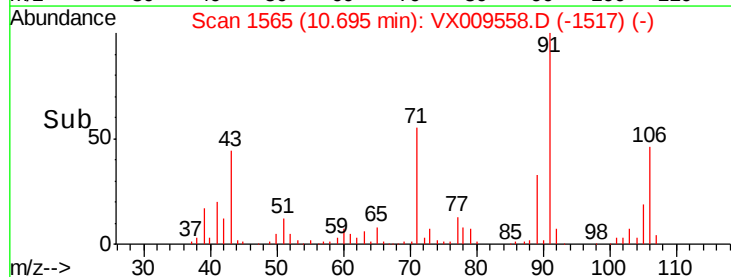
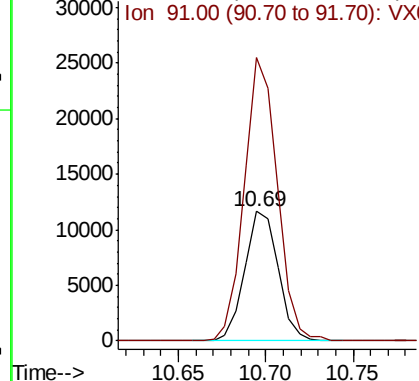


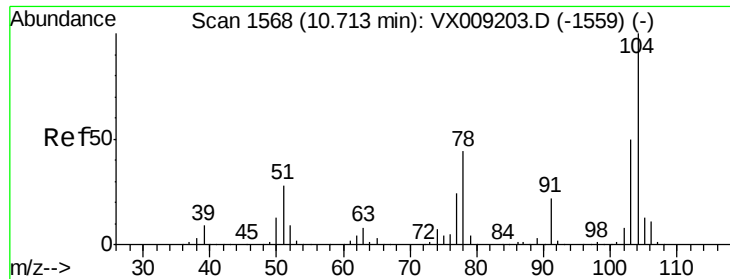
#69
o-Xylene
Concen: 4.354 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion:106 Resp: 15577
Ion Ratio Lower Upper
106 100
91 214.8 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

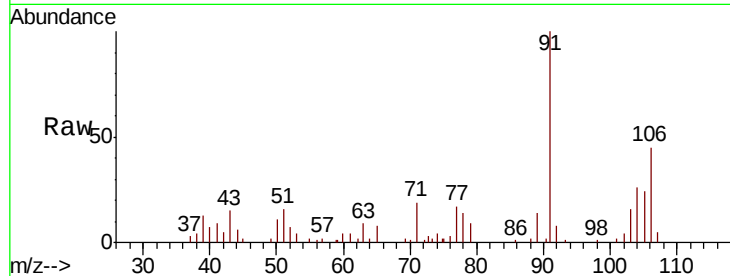




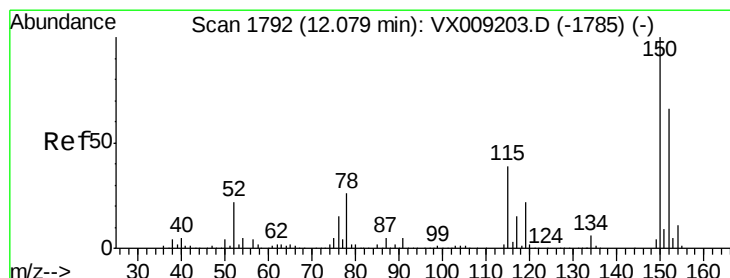
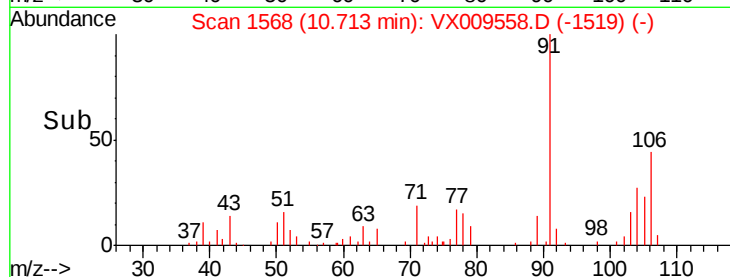
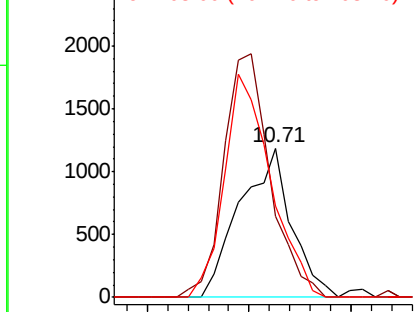
#70
Stvrene
Concen: 0.334 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Instrument :
MSVOA_X
ClientSampled :
SOIL-COMP

Tot Ion:104 Resp: 2079
Ion Ratio Lower Upper
104 100
78 146.6 41.0 61.4#
103 134.9 43.8 65.6#

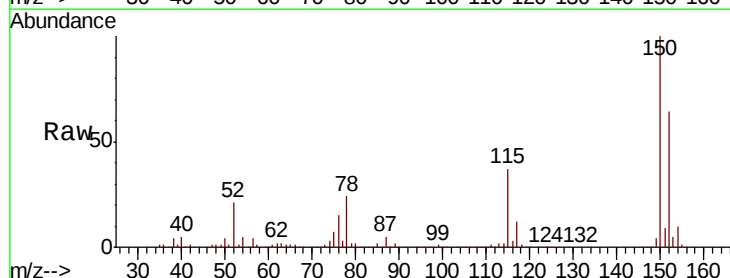


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

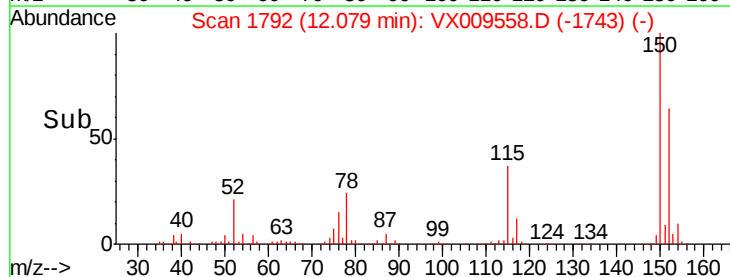
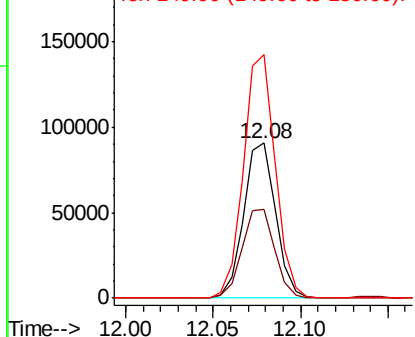


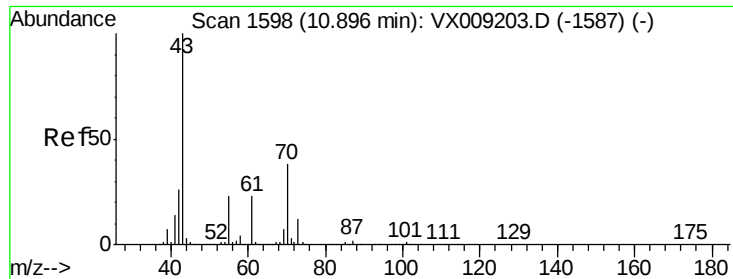
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion:152 Resp: 114895
Ion Ratio Lower Upper
152 100
115 58.2 41.2 123.6
150 156.3 0.0 346.4



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





#74

N-amyl acetate

Concen: 3.065 ug/l

RT: 10.69 min Scan# 1564

Delta R.T. -0.21 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampled :

SOIL-COMP

Tot Ion: 43 Resp: 14928

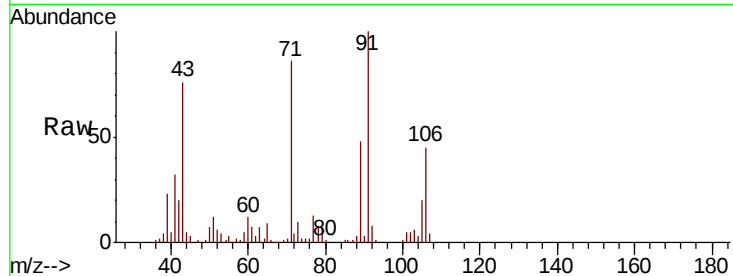
Ion Ratio Lower Upper

43 100

70 2.4 30.0 45.0#

55 5.4 17.9 26.9#

61 11.3 18.4 27.6#

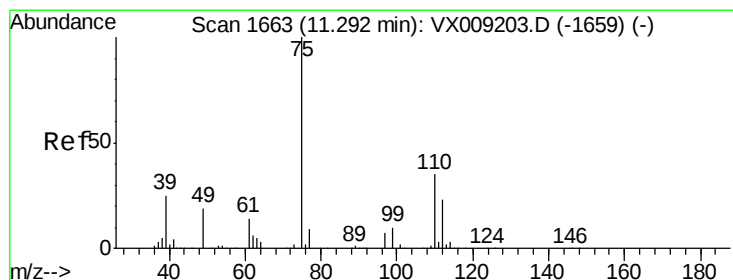
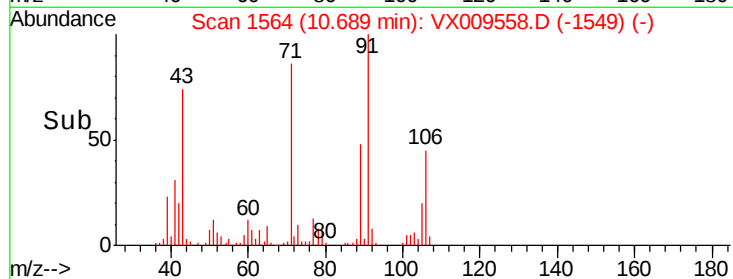
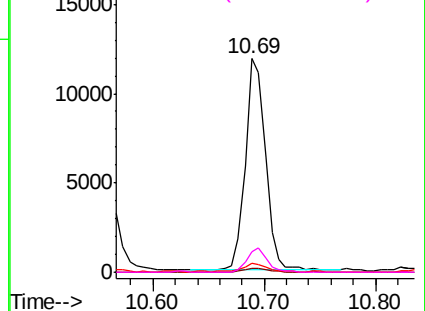


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.975 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009558.D

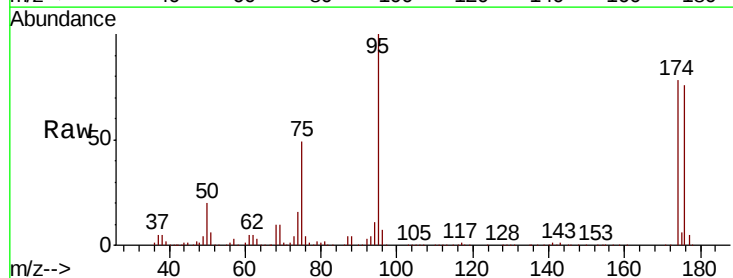
Acq: 14 May 2019 13:03

Tgt Ion: 75 Resp: 63897

Ion Ratio Lower Upper

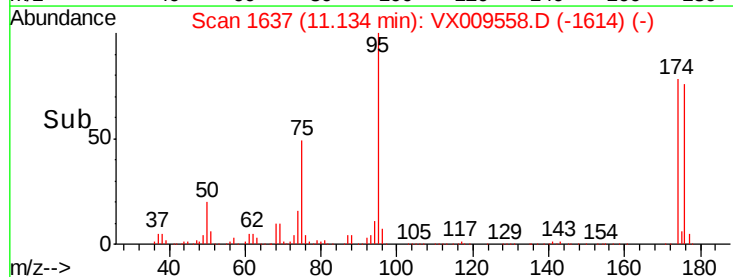
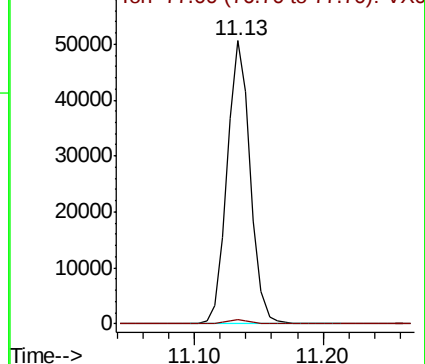
75 100

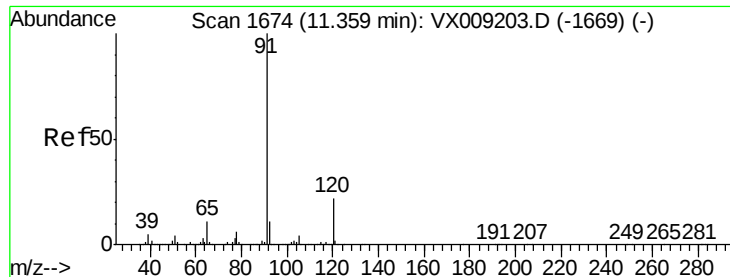
77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.702 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

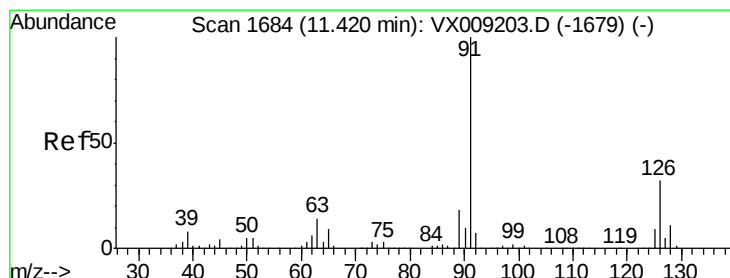
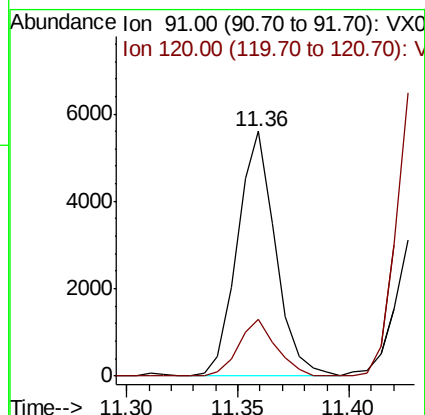
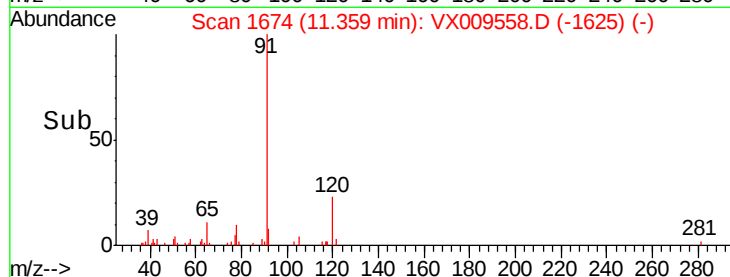
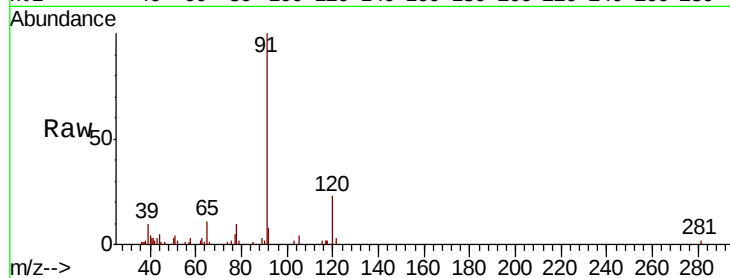
SOIL-COMP

Tot Ion: 91 Resp: 6698

Ion Ratio Lower Upper

91 100

120 22.8 11.0 33.0



#79

2-Chlorotoluene

Concen: 1.168 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX009558.D

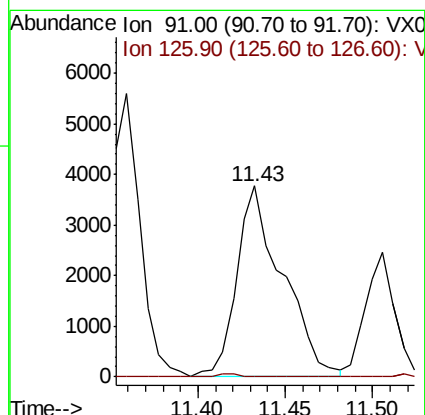
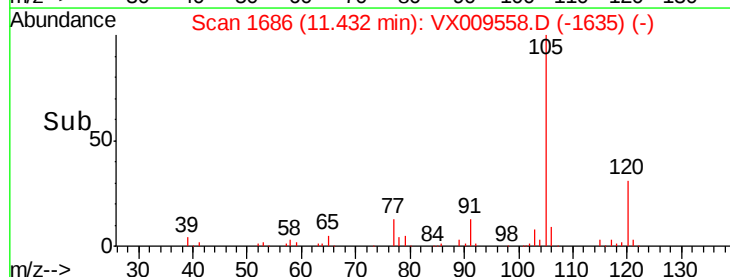
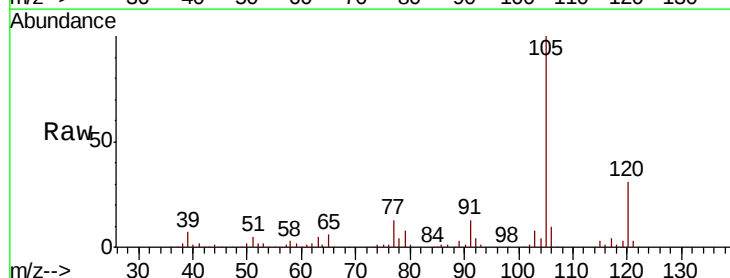
Acq: 14 May 2019 13:03

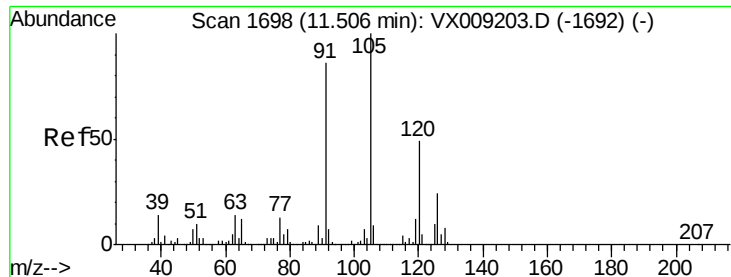
Tgt Ion: 91 Resp: 6875

Ion Ratio Lower Upper

91 100

126 0.6 16.3 48.9#

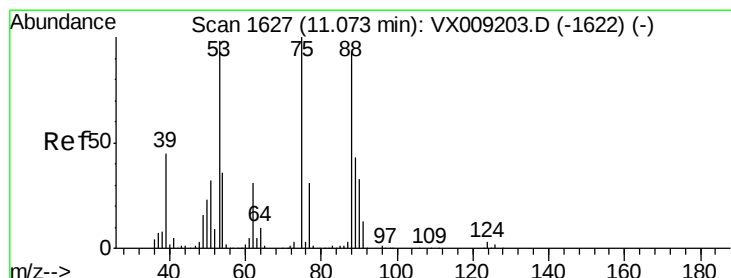
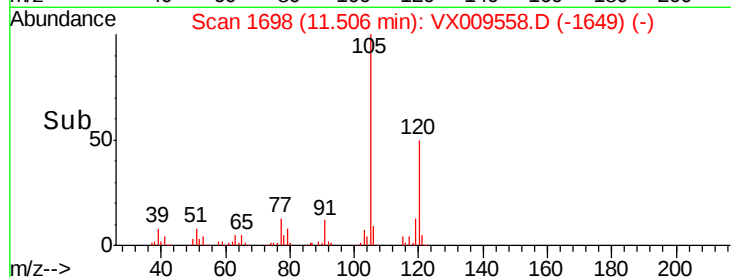
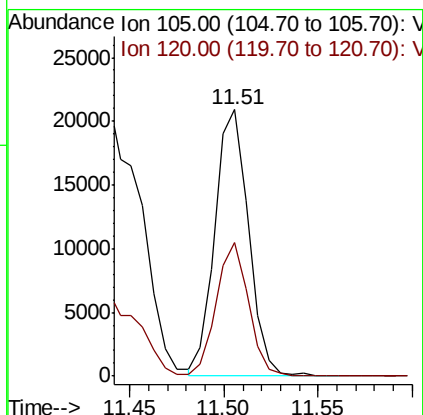
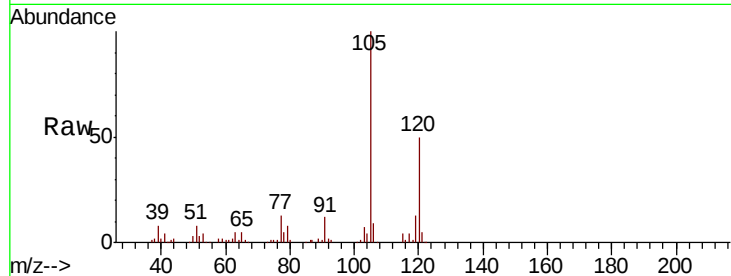




#80
 1,3,5-Trimethylbenzene
 Concen: 3.704 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

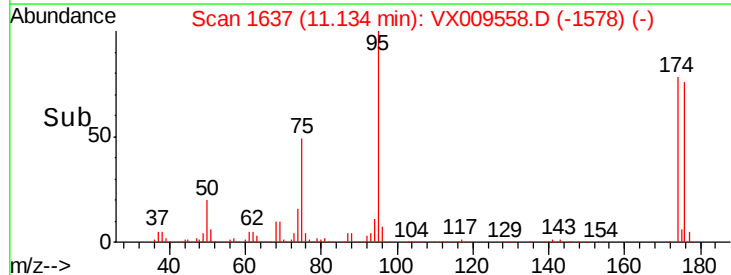
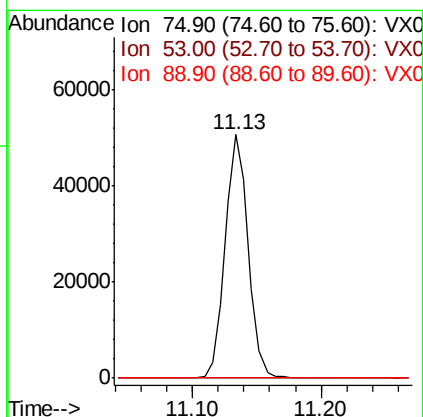
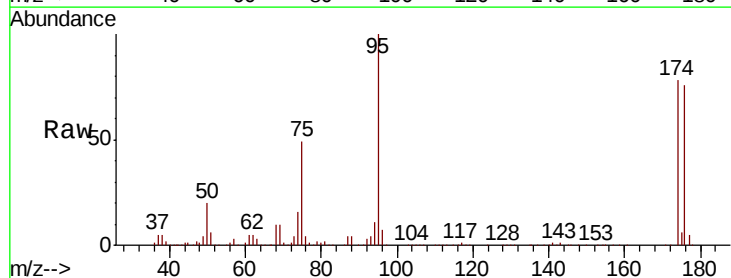
Instrument :
 MSVOA_X
 ClientSampled :
 SOIL-COMP

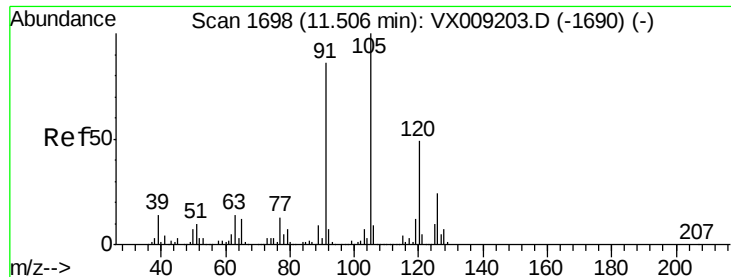
Tot Ion:105 Resp: 26060
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.343 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009558.D
 Acq: 14 May 2019 13:03

Tgt Ion: 75 Resp: 63897
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#





#82

4-Chlorotoluene

Concen: 0.439 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampled :

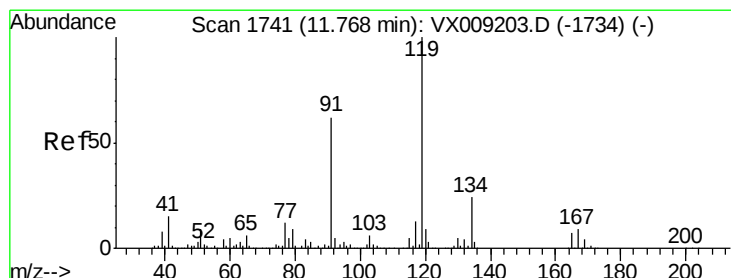
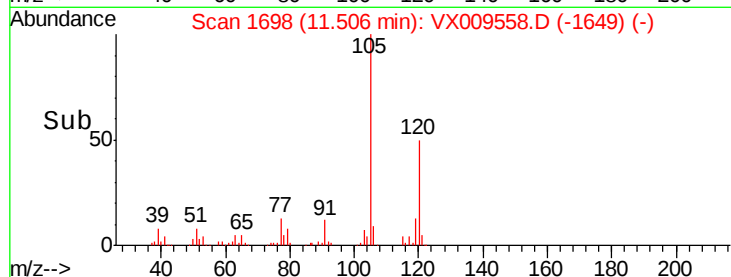
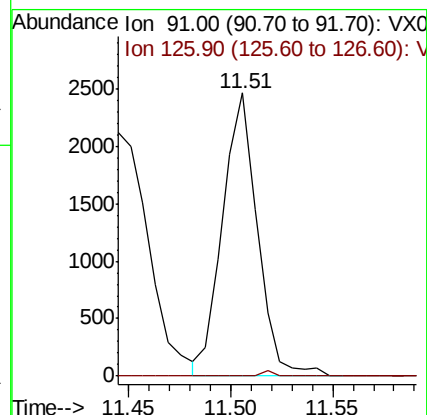
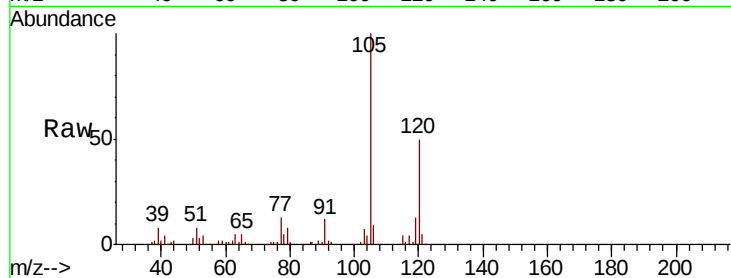
SOIL-COMP

Tot Ion: 91 Resp: 2922

Ion Ratio Lower Upper

91 100

126 0.7 14.5 43.6#



#83

tert-Butylbenzene

Concen: 0.394 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.26 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

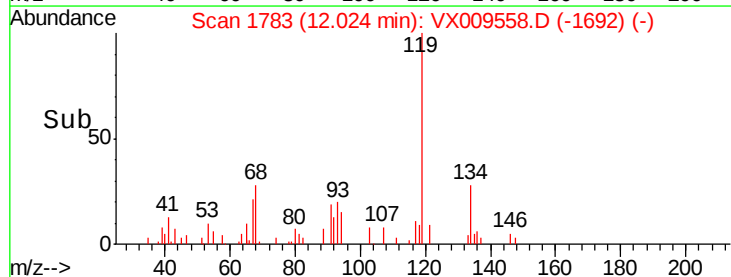
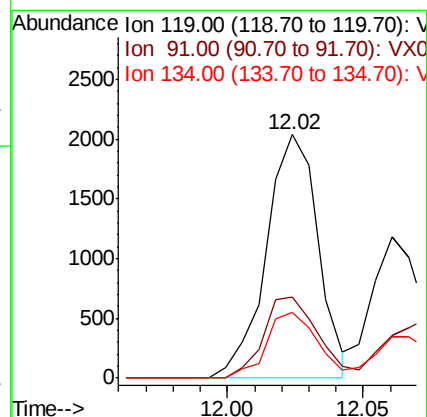
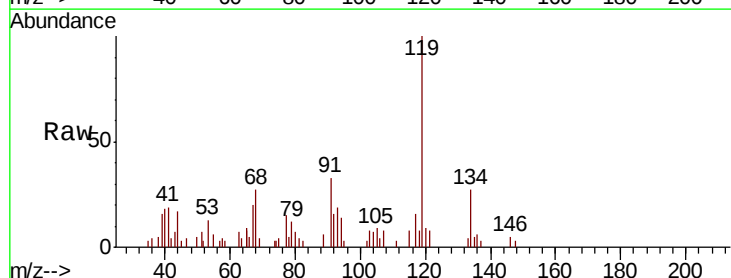
Tgt Ion: 119 Resp: 2697

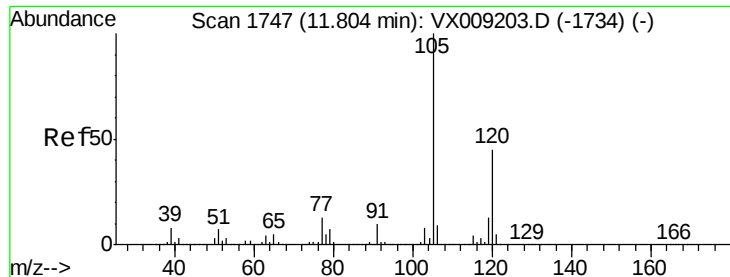
Ion Ratio Lower Upper

119 100

91 34.2 29.5 88.5

134 26.4 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 17.935 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009558.D

Acq: 14 May 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

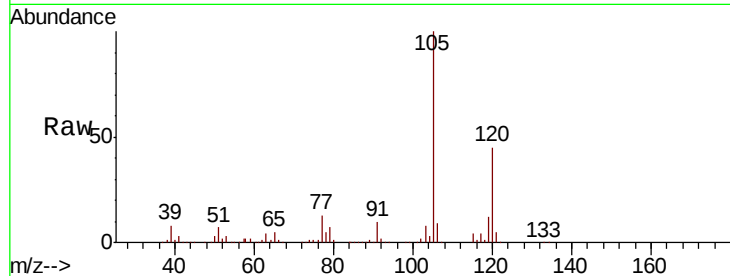
SOIL-COMP

Tot Ion:105 Resp: 126643

Ion Ratio Lower Upper

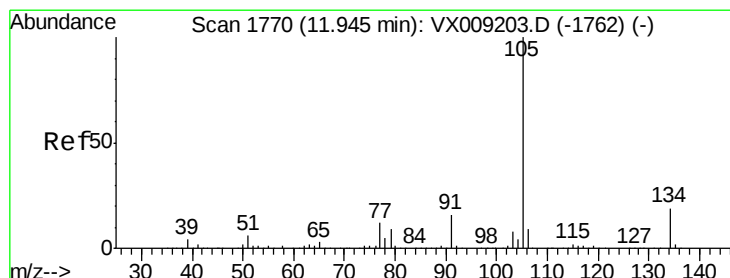
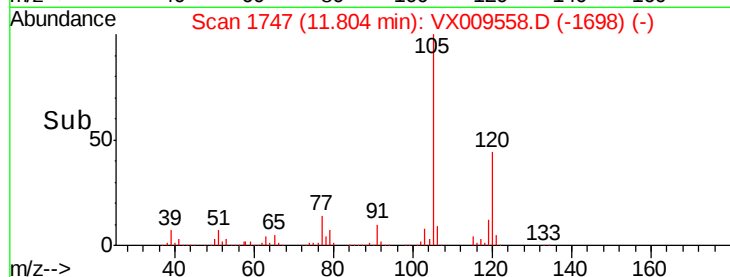
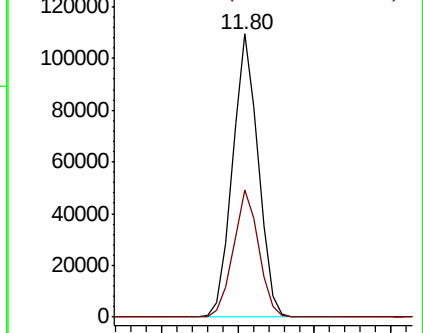
105 100

120 44.6 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 15.609 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX009558.D

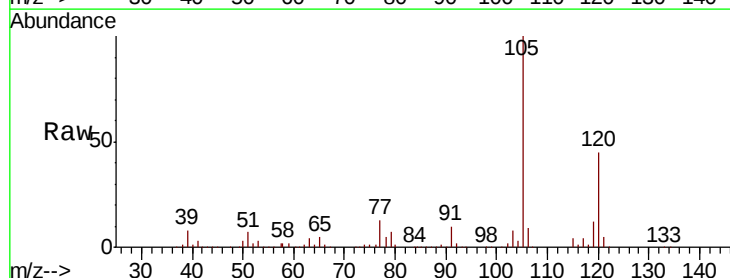
Acq: 14 May 2019 13:03

Tgt Ion:105 Resp: 126643

Ion Ratio Lower Upper

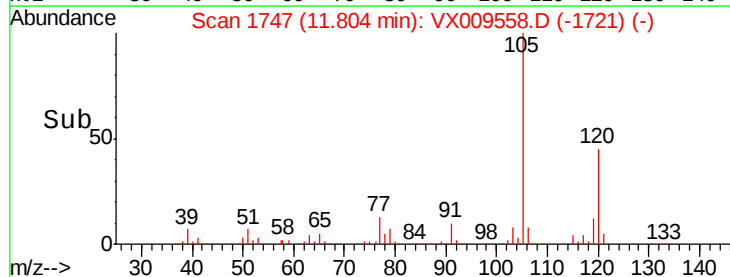
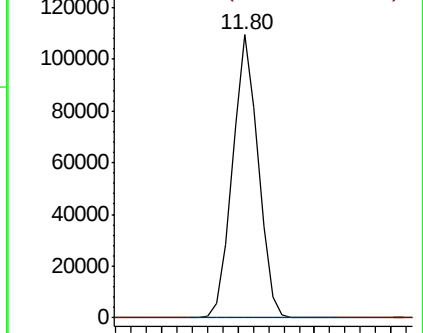
105 100

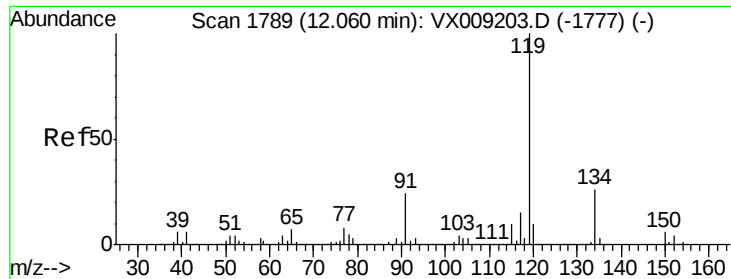
134 0.0 9.7 28.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

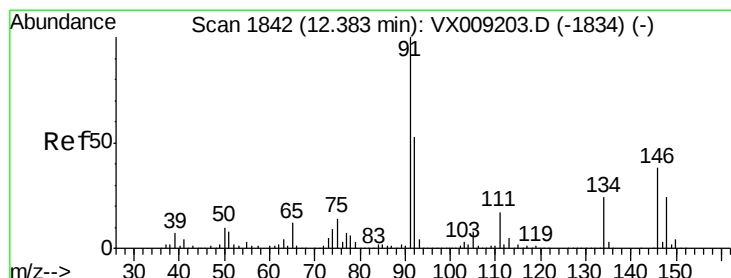
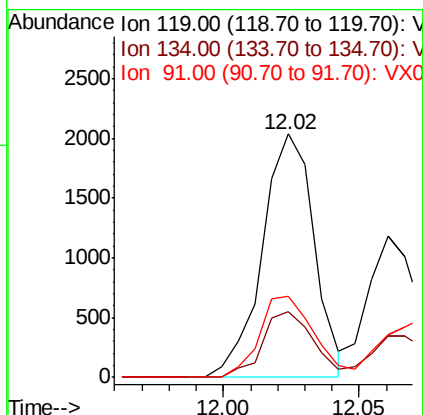
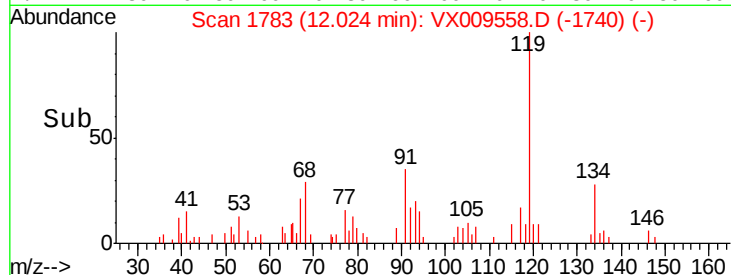
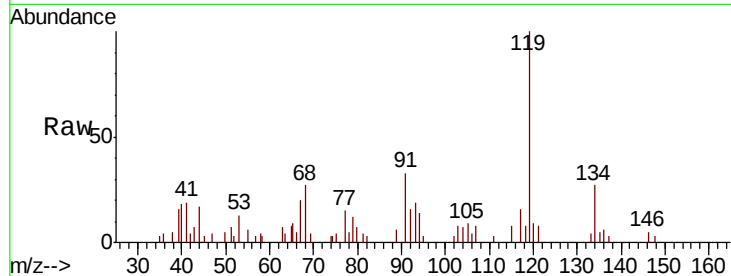




#86
p-Isopropyltoluene
Concen: 0.370 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

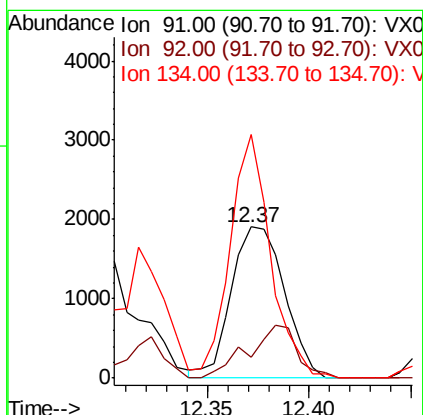
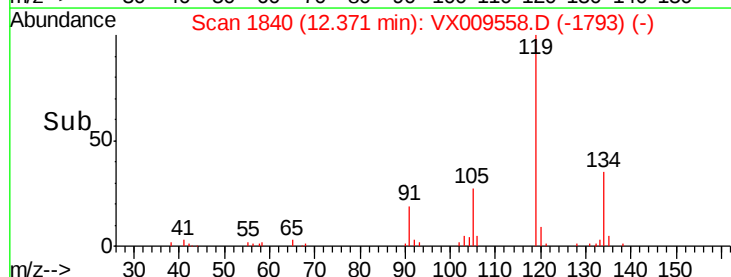
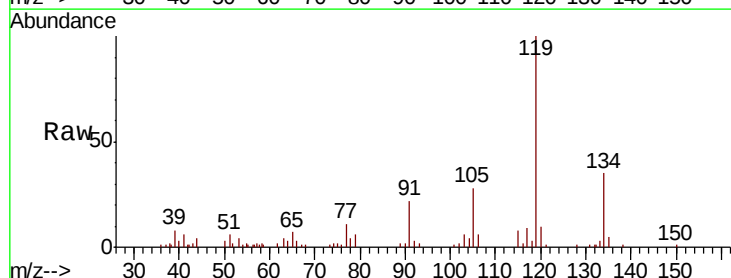
Instrument :
MSVOA_X
ClientSampled :
SOIL-COMP

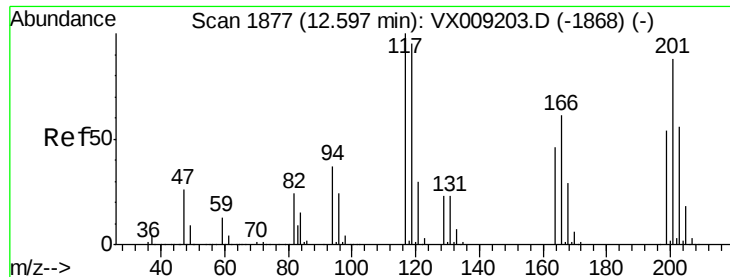
Tot Ion:119 Resp: 2697
Ion Ratio Lower Upper
119 100
134 26.4 12.9 38.7
91 35.2 11.8 35.4



#89
n-Butylbenzene
Concen: 0.524 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion: 91 Resp: 3457
Ion Ratio Lower Upper
91 100
92 32.3 26.5 79.5
134 122.6 12.4 37.2#

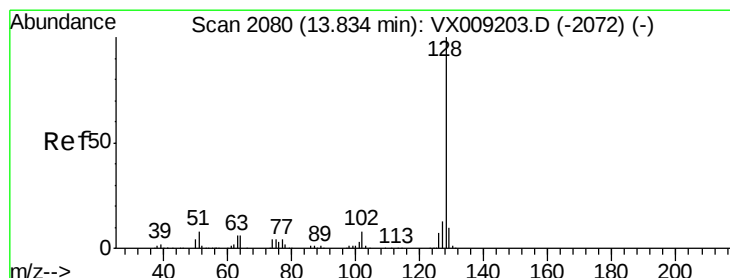
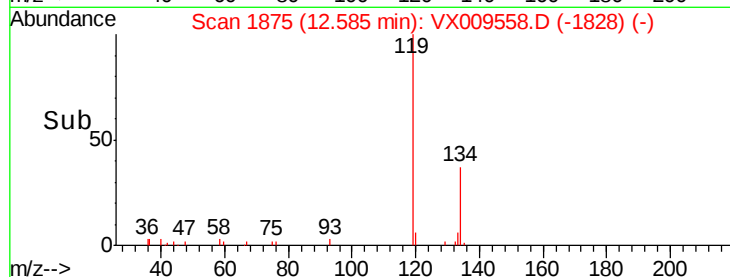
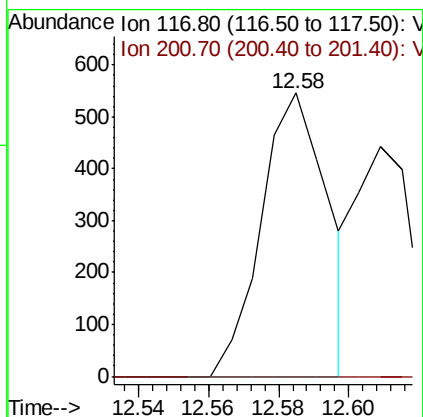
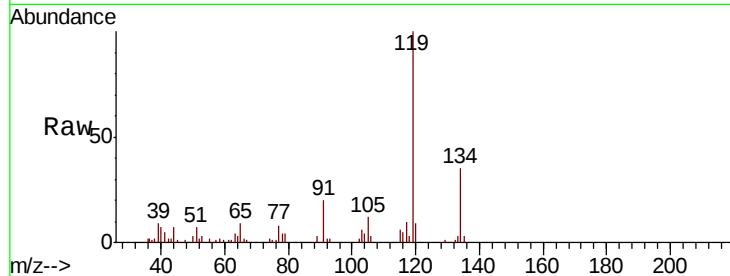




#90
Hexachloroethane
Concen: 0.579 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

Tot Ion:117 Resp: 720
Ion Ratio Lower Upper
117 100
201 0.0 42.3 126.9#



#95
Naphthalene
Concen: 6.411 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009558.D
Acq: 14 May 2019 13:03

Tgt Ion:128 Resp: 53708
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.1 8.6 13.0

