

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013881.D
 Acq On : 10 Dec 2019 03:51
 Operator : JC/SP
 Sample : K6188-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP-2

Quant Time: Dec 12 08:20:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	592851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	924140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	839015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	372357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	335763	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	5.49	113	275455	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	8.71	98	1109910	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.14	95	371048	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	

Target Compounds

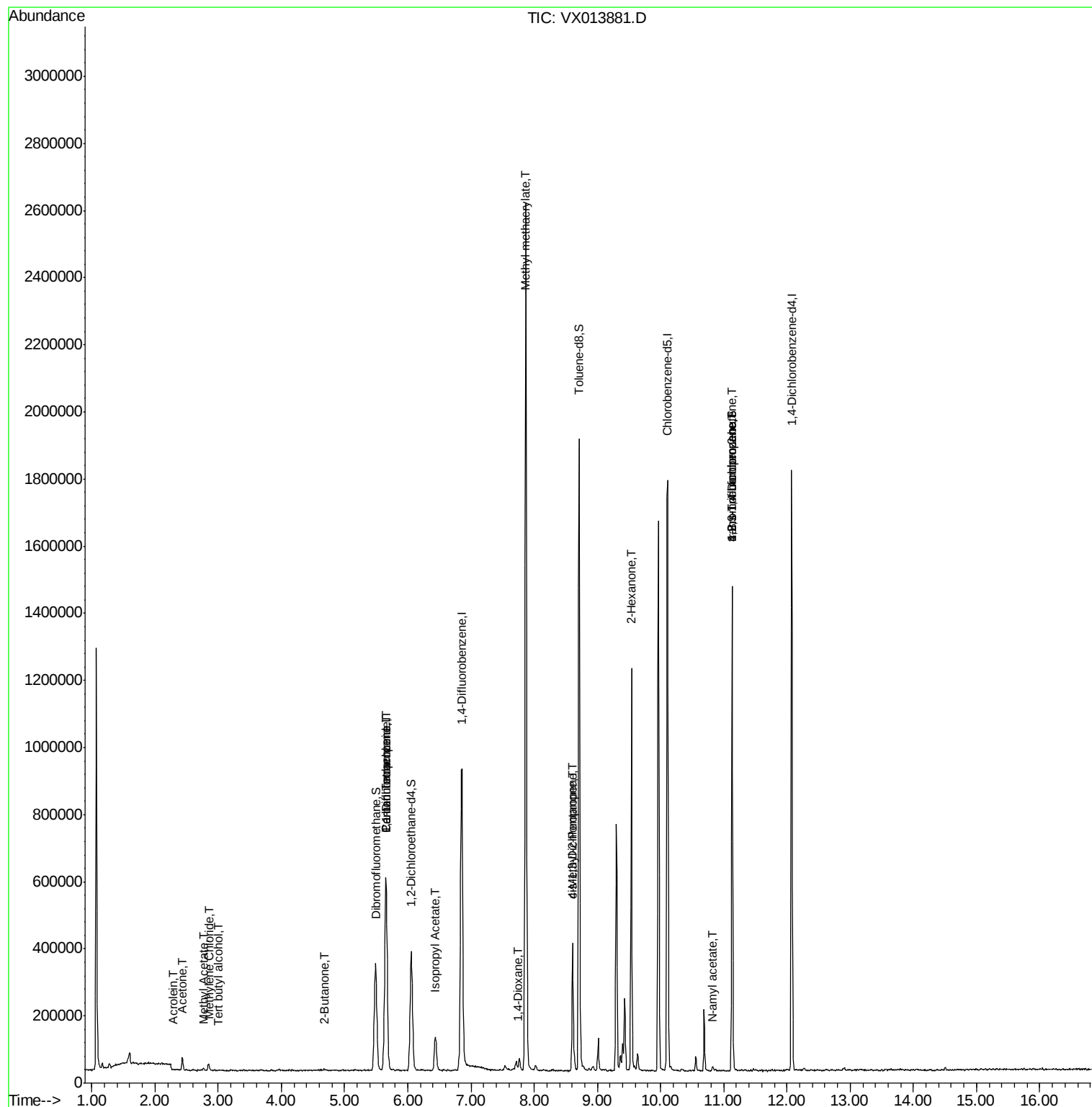
						Qvalue
11) Tert butyl alcohol	3.01	59	2097	1.235	ug/l #	83
13) Acrolein	2.29	56	878	6.758	ug/l #	31
16) Acetone	2.43	43	40185	11.828	ug/l	96
18) Methyl Acetate	2.76	43	7753	0.819	ug/l #	89
20) Methylene Chloride	2.85	84	10371	1.589	ug/l	96
25) 2-Butanone	4.67	43	7849	1.554	ug/l	96
36) 1,1-Dichloropropene	5.65	75	41586	4.957	ug/l #	52
38) Carbon Tetrachloride	5.65	117	53253	6.884	ug/l #	16
43) Isopropyl Acetate	6.43	43	139213	8.985	ug/l	99
48) Methyl methacrylate	7.87	41	214161	28.449	ug/l #	43
49) 1,4-Dioxane	7.74	88	139	0.825	ug/l #	24
51) 4-Methyl-2-Pentanone	8.61	43	140627	14.429	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	63045	6.177	ug/l #	57
59) 2-Hexanone	9.54	43	135273	17.797	ug/l #	52
74) N-amyl acetate	10.82	43	6012	0.502	ug/l #	53
76) 1,2,3-Trichloropropane	11.14	75	182782	21.825	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	182782	59.709	ug/l #	11

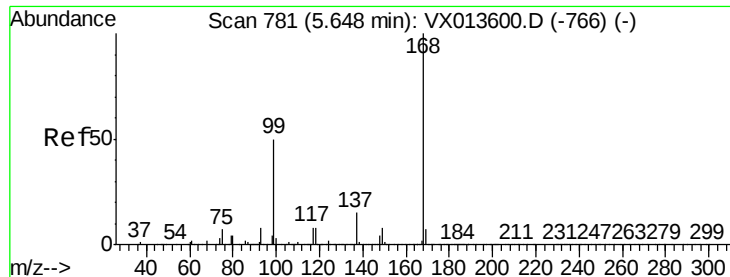
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

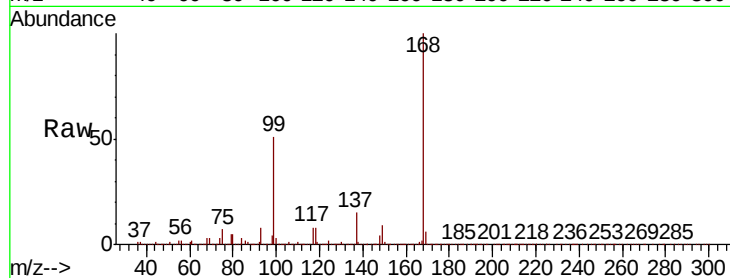
SOIL-COMP-2

Tot Ion:168 Resp: 592851

Ion Ratio Lower Upper

168 100

99 50.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

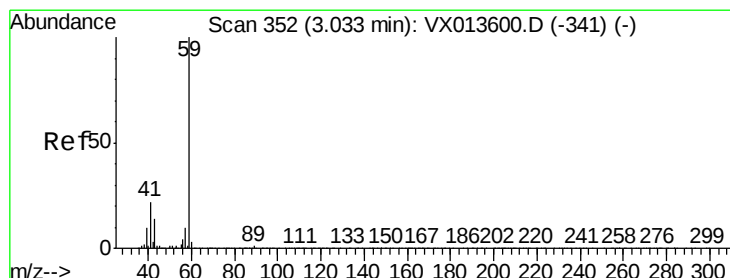
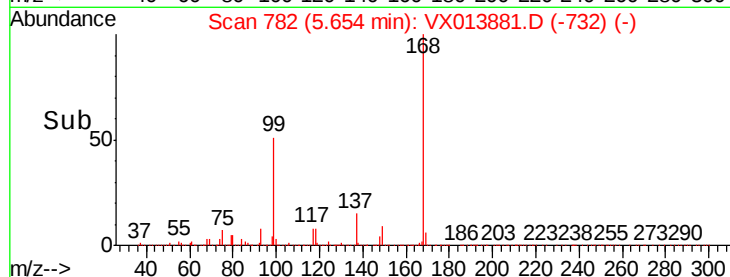
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.235 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013881.D

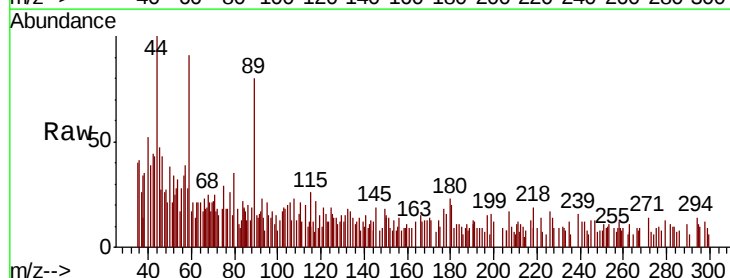
Acq: 10 Dec 2019 03:51

Tgt Ion: 59 Resp: 2097

Ion Ratio Lower Upper

59 100

57 3.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

1000

800

600

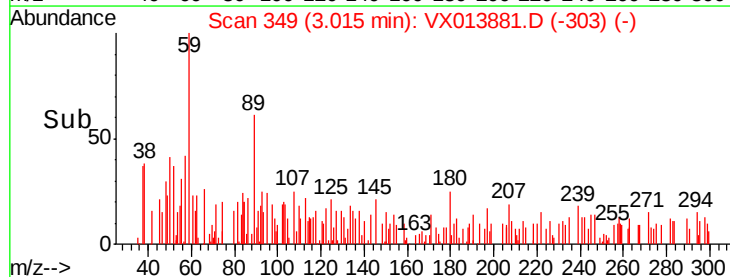
400

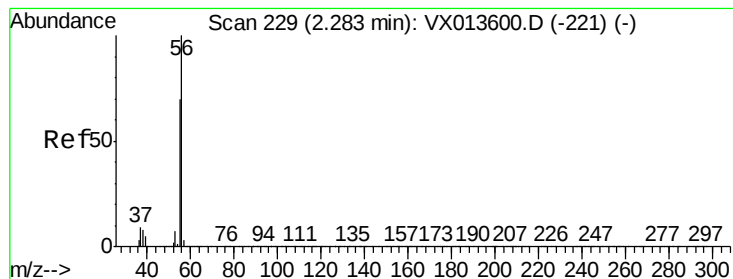
200

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 6.758 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

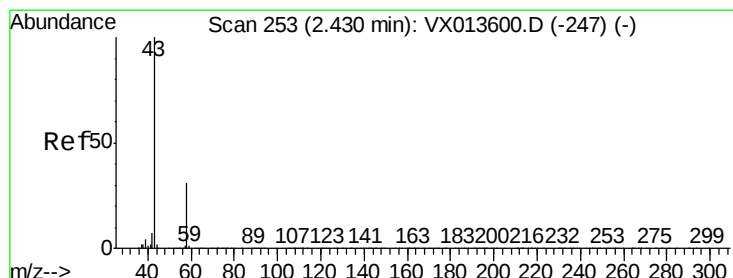
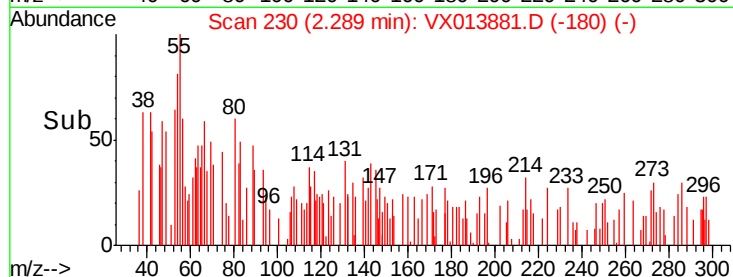
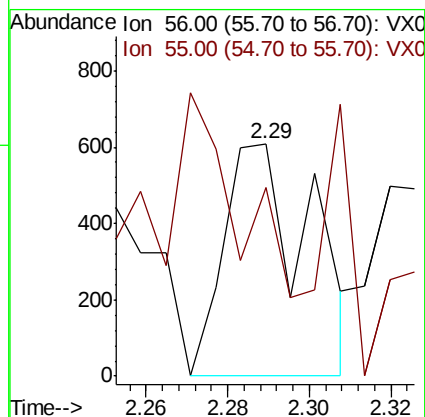
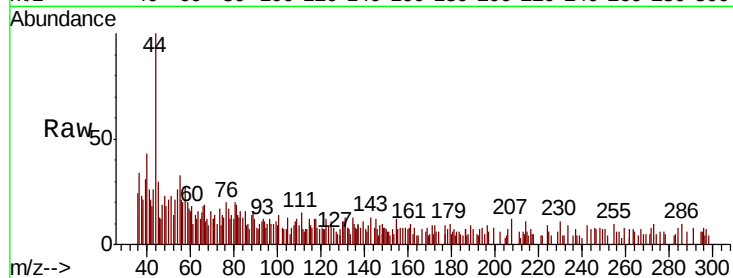
SOIL-COMP-2

Tot Ion: 56 Resp: 878

Ion Ratio Lower Upper

56 100

55 126.7 56.2 84.4#



#16

Acetone

Concen: 11.828 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013881.D

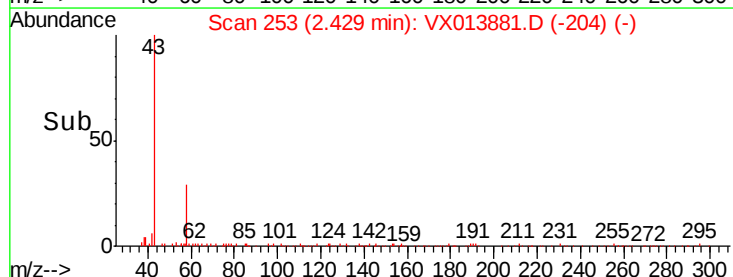
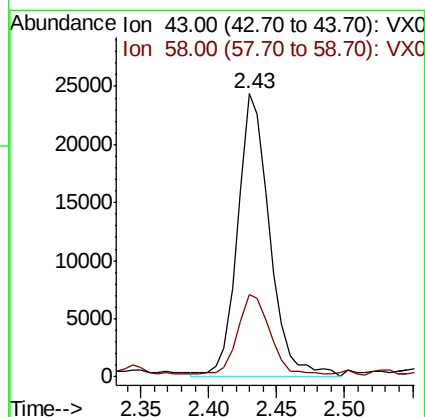
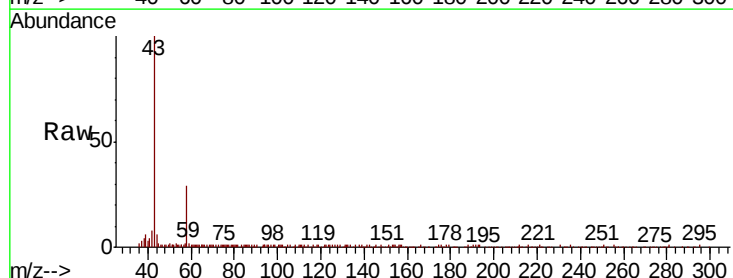
Acq: 10 Dec 2019 03:51

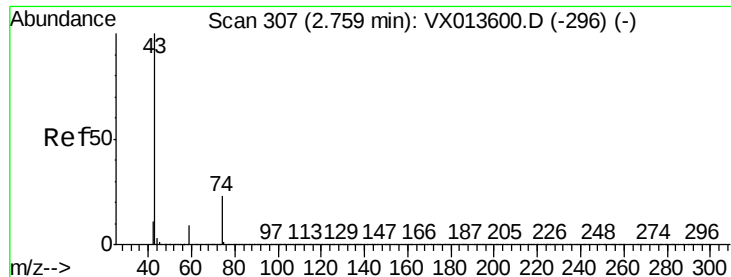
Tgt Ion: 43 Resp: 40185

Ion Ratio Lower Upper

43 100

58 28.3 24.6 36.8

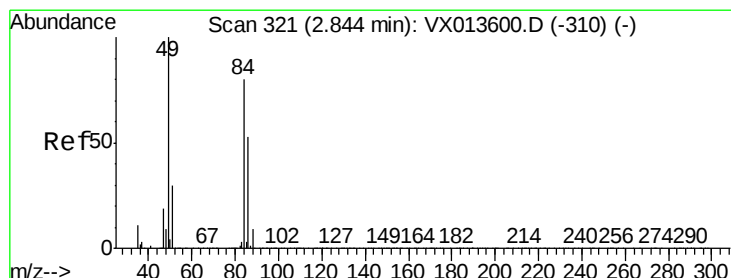
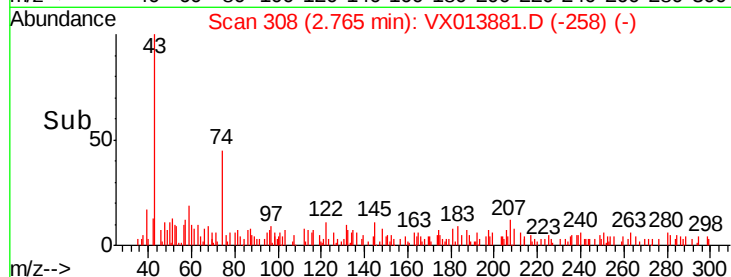
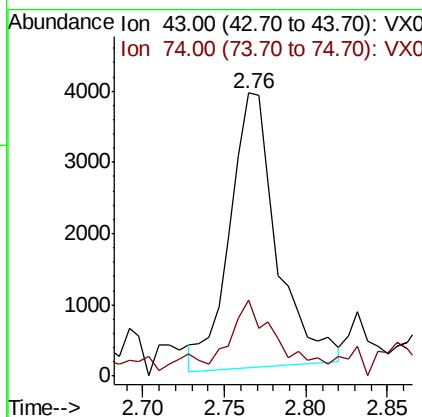
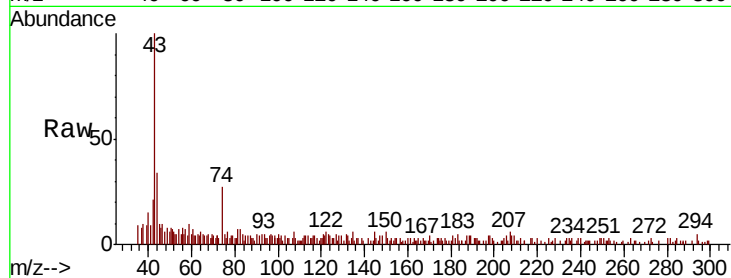




#18
Methyl Acetate
Concen: 0.819 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

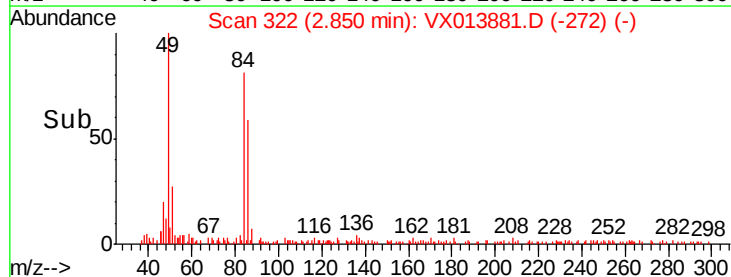
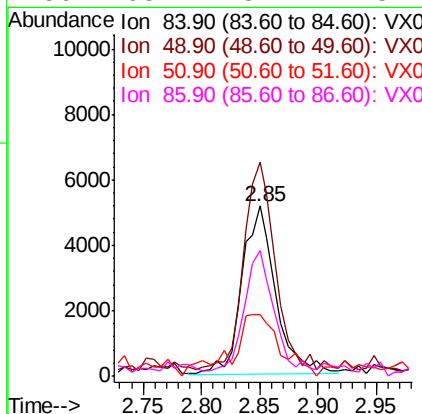
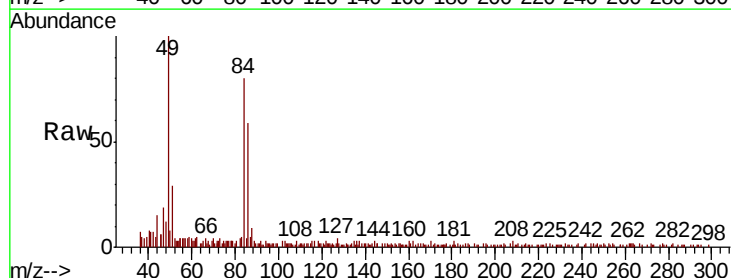
Instrument :
MSVOA_X
ClientSampled :
SOIL-COMP-2

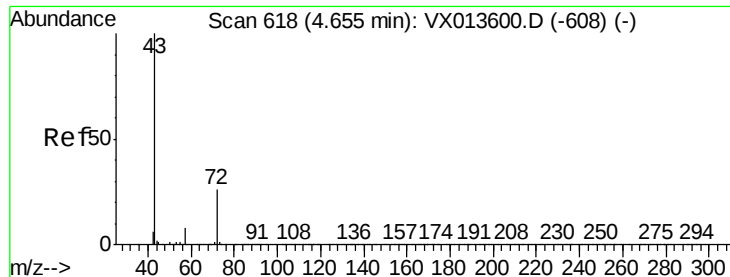
Tot Ion: 43 Resp: 7753
Ion Ratio Lower Upper
43 100
74 19.1 19.5 29.3#



#20
Methylene Chloride
Concen: 1.589 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

Tgt Ion: 84 Resp: 10371
Ion Ratio Lower Upper
84 100
49 122.0 99.7 149.5
51 32.1 29.9 44.9
86 68.1 52.2 78.4

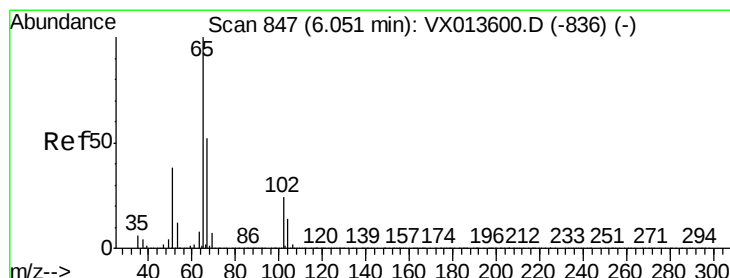
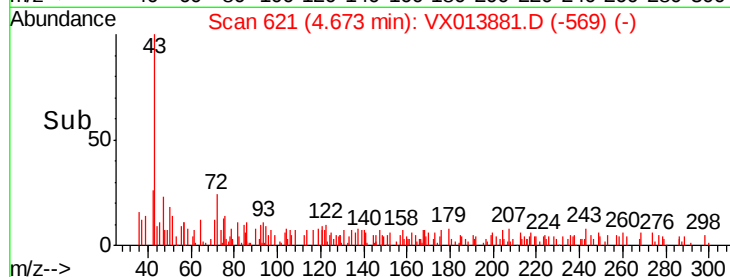
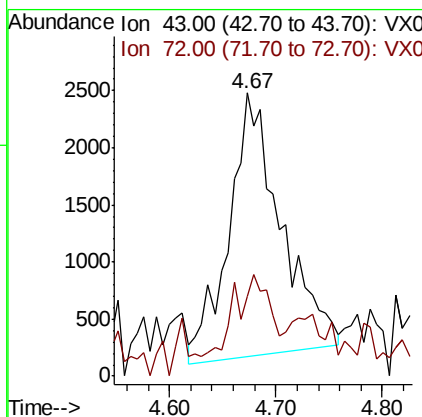
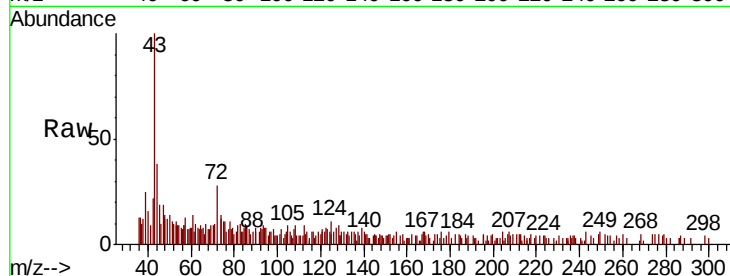




#25
2-Butanone
Concen: 1.554 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

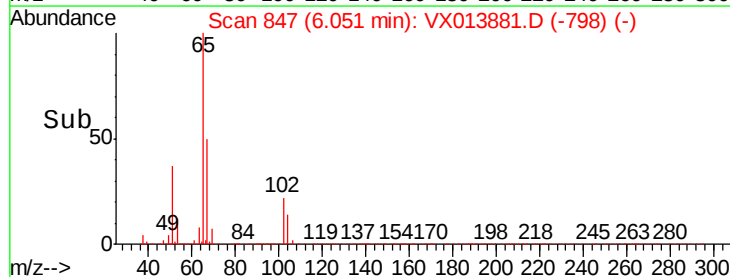
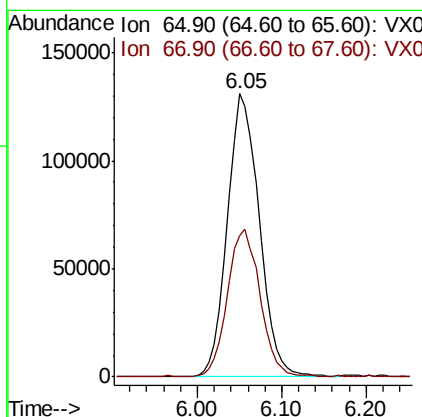
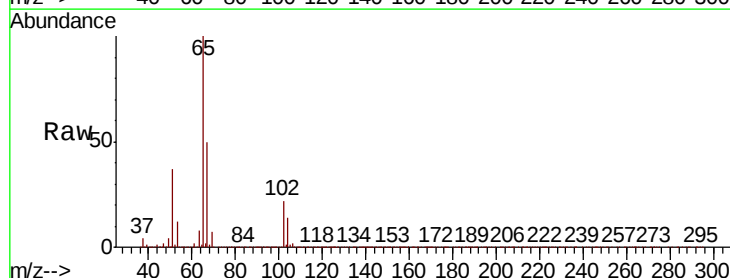
Instrument :
MSVOA_X
ClientSampled :
SOIL-COMP-2

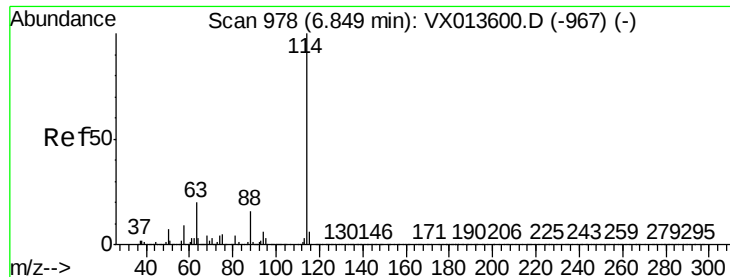
Tot Ion: 43 Resp: 7849
Ion Ratio Lower Upper
43 100
72 23.6 20.6 31.0



#33
1,2-Dichloroethane-d4
Concen: 48.791 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

Tgt Ion: 65 Resp: 335763
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-2

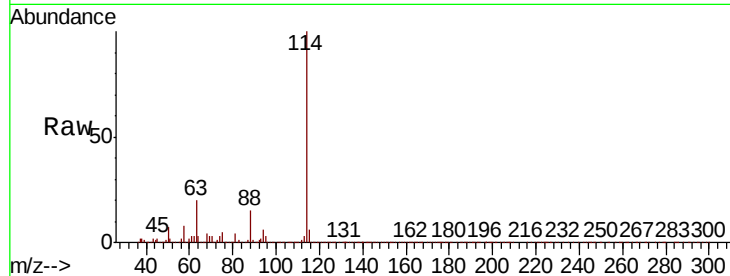
Tot Ion:114 Resp: 924140

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

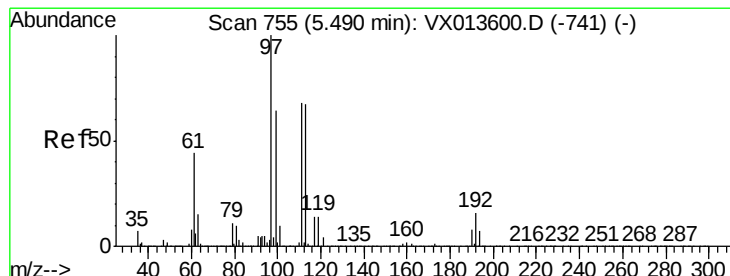
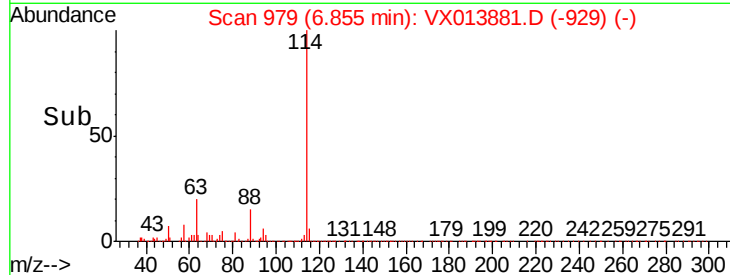
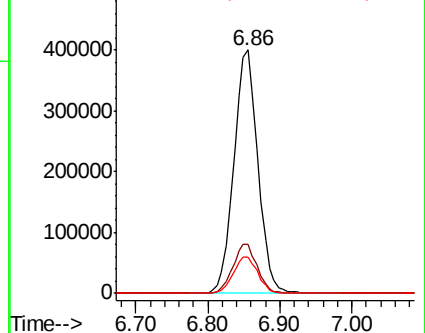
88 14.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.214 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

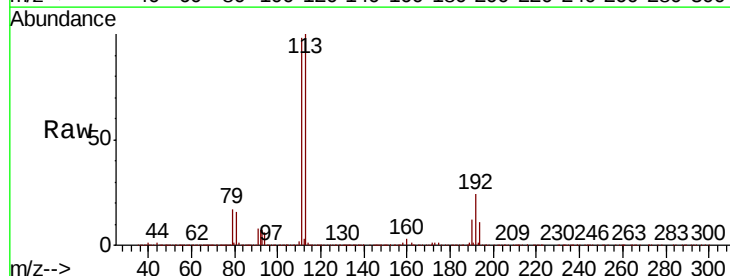
Tgt Ion:113 Resp: 275455

Ion Ratio Lower Upper

113 100

111 101.6 83.6 125.4

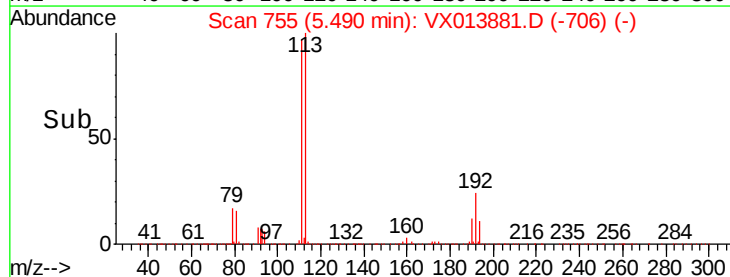
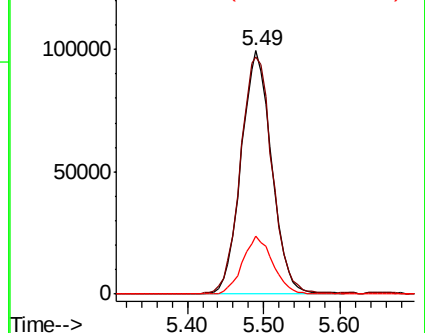
192 23.8 19.2 28.8

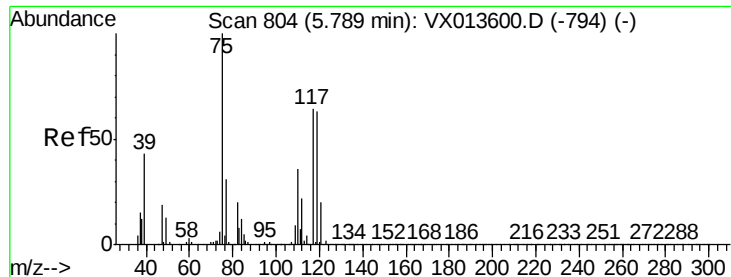


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

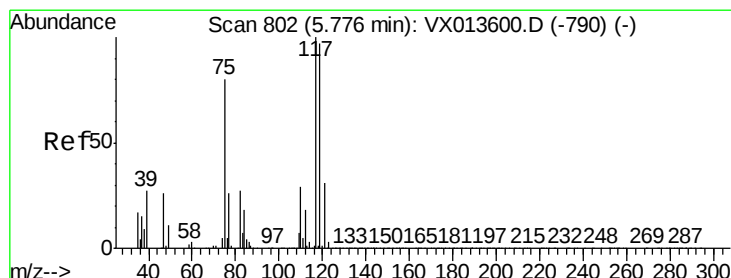
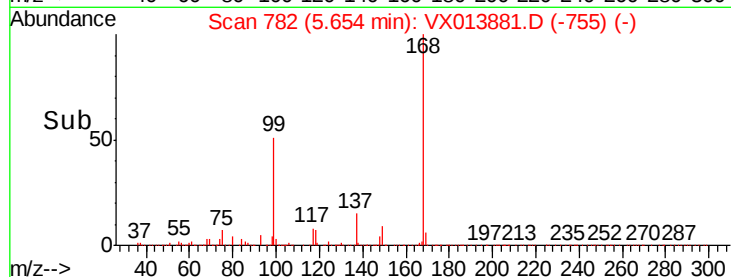
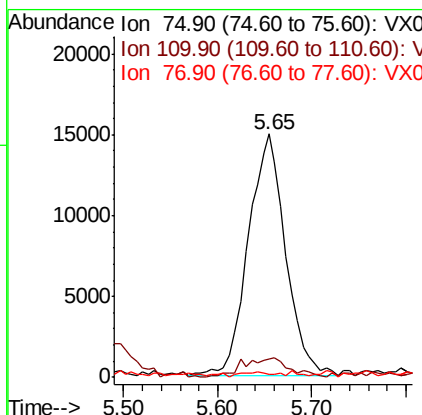
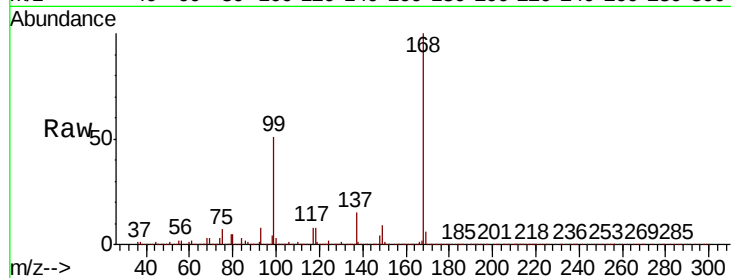




#36
 1,1-Dichloropropene
 Concen: 4.957 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013881.D
 Acq: 10 Dec 2019 03:51

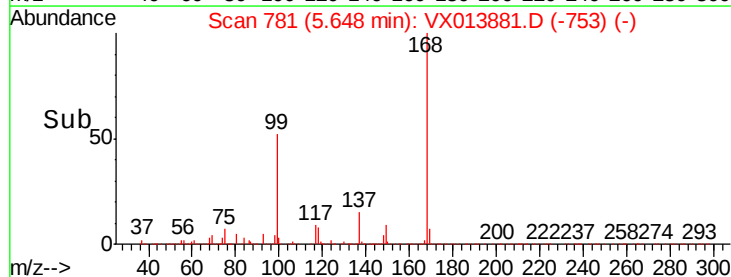
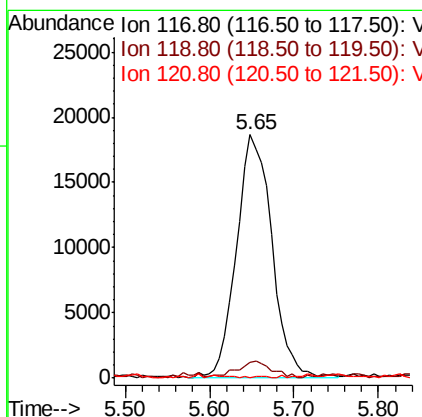
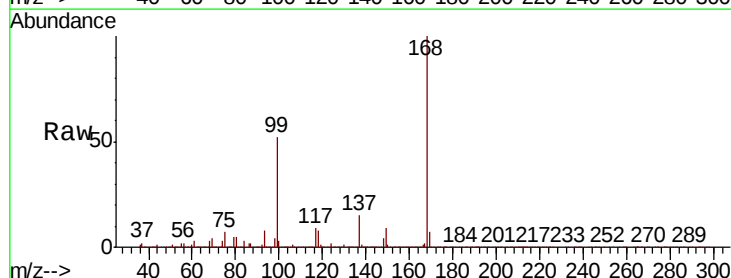
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP-2

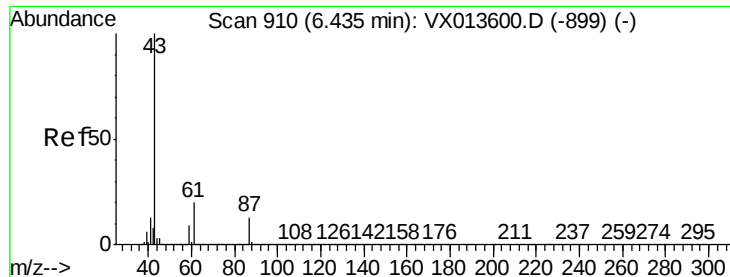
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.1	54.1#
77	1.7	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.884 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013881.D
 Acq: 10 Dec 2019 03:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.5	116.3#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 8.985 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-2

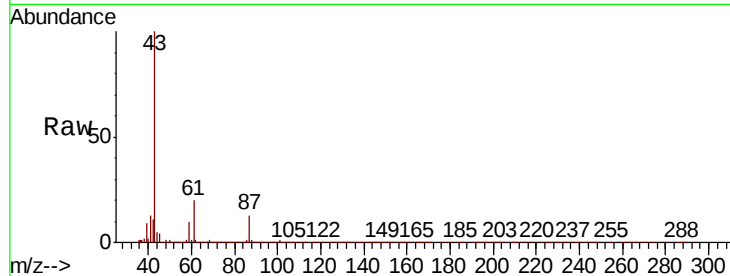
Tot Ion: 43 Resp: 139213

Ion Ratio Lower Upper

43 100

61 20.2 16.3 24.5

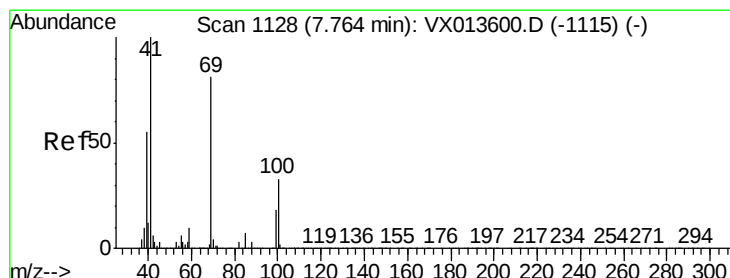
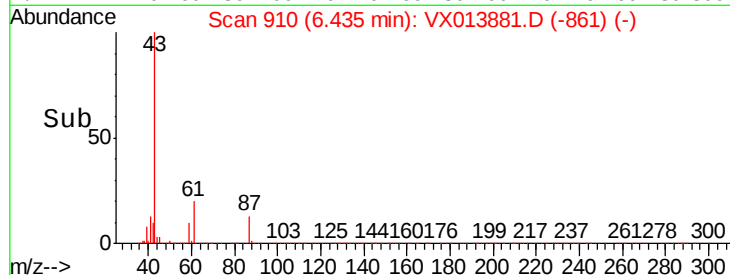
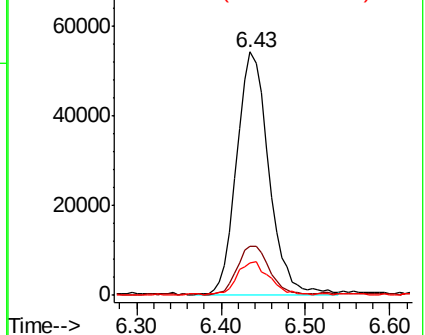
87 13.9 10.8 16.2



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

Methyl methacrylate

Concen: 28.449 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

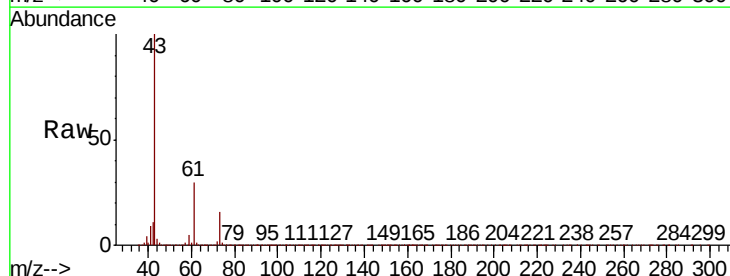
Tgt Ion: 41 Resp: 214161

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

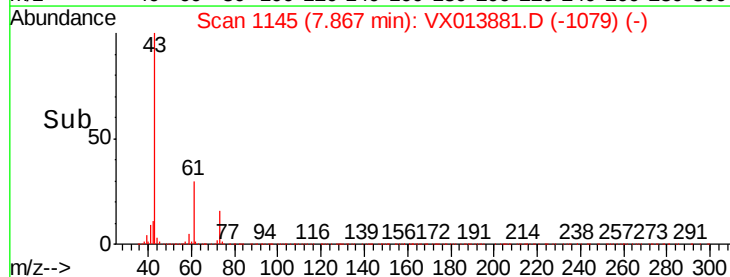
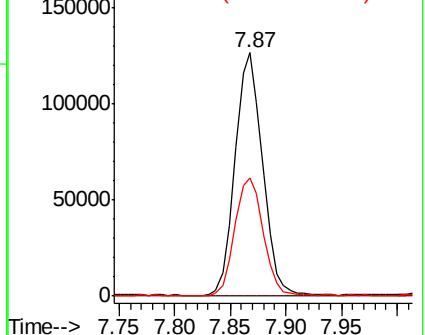
39 50.3 43.8 65.6

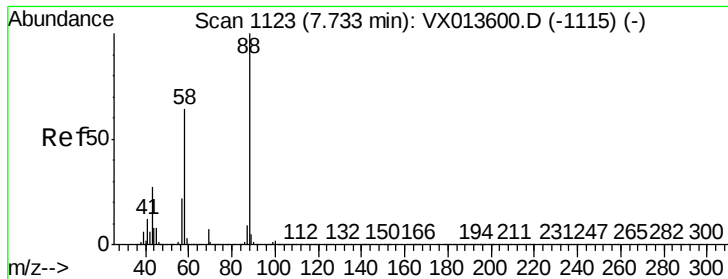


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.825 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-2

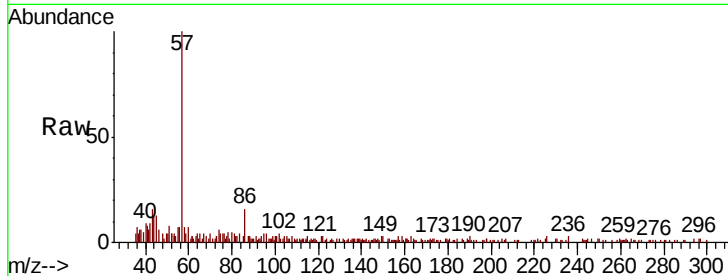
Tot Ion: 88 Resp: 139

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

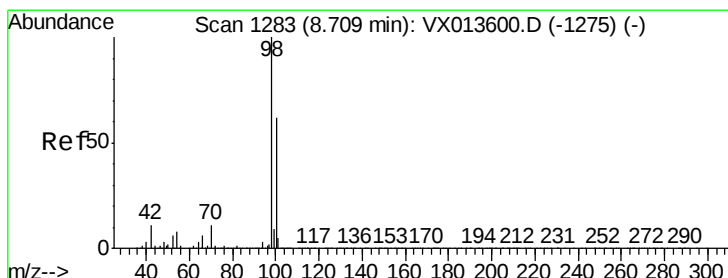
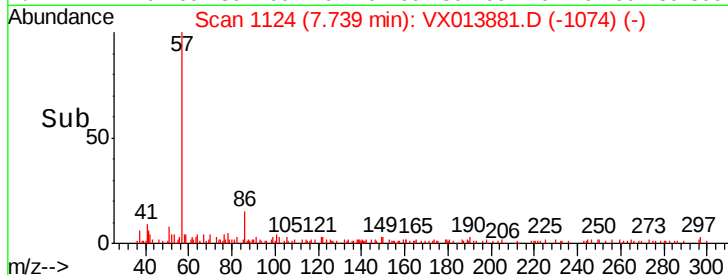
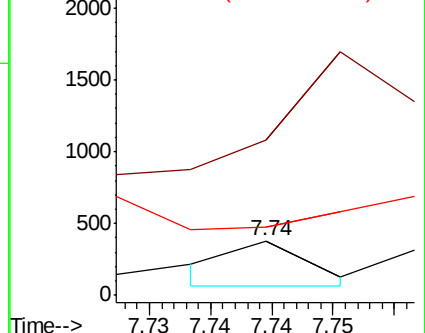
58 0.0 54.6 82.0#



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: 49.863 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013881.D

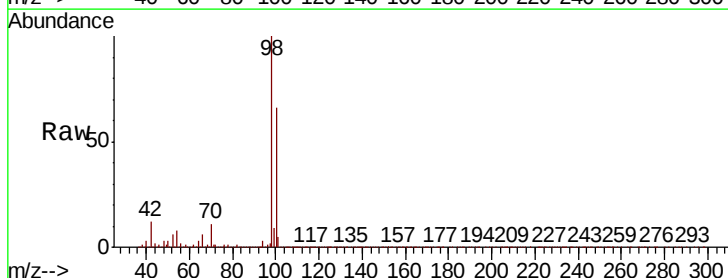
Acq: 10 Dec 2019 03:51

Tgt Ion: 98 Resp: 1109910

Ion Ratio Lower Upper

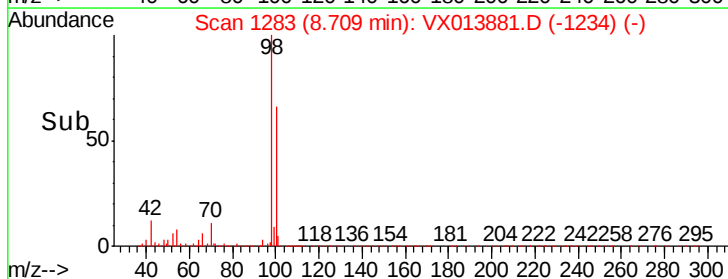
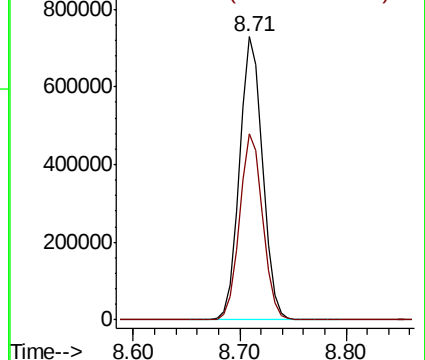
98 100

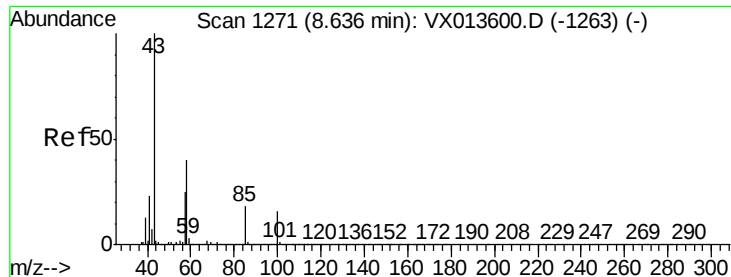
100 65.9 53.1 79.7



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: 14.429 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

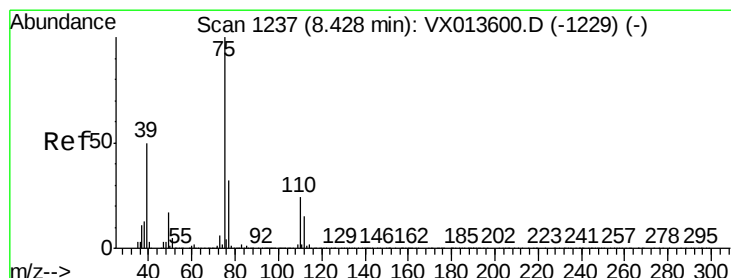
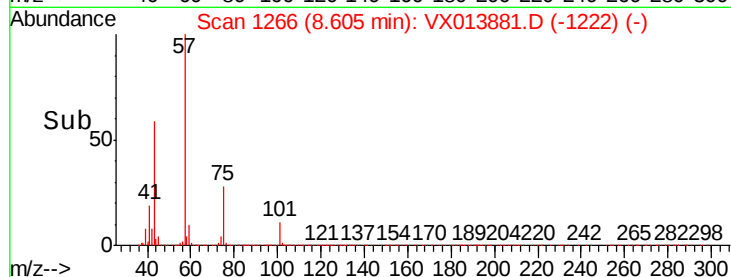
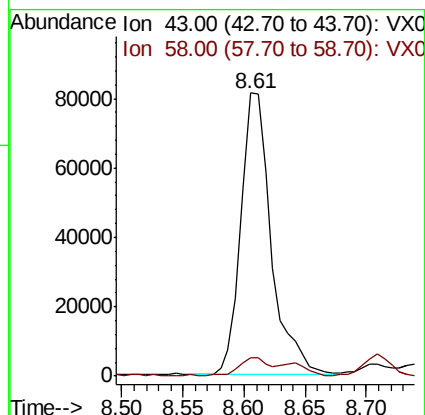
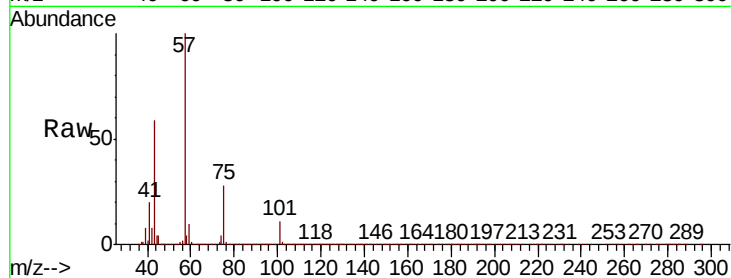
SOIL-COMP-2

Tot Ion: 43 Resp: 140627

Ion Ratio Lower Upper

43 100

58 6.0 32.1 48.1#



#54

cis-1,3-Dichloropropene

Concen: 6.177 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

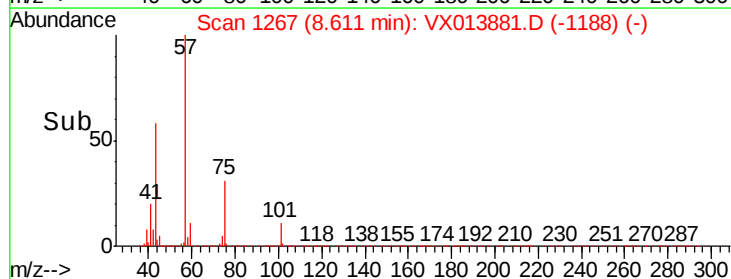
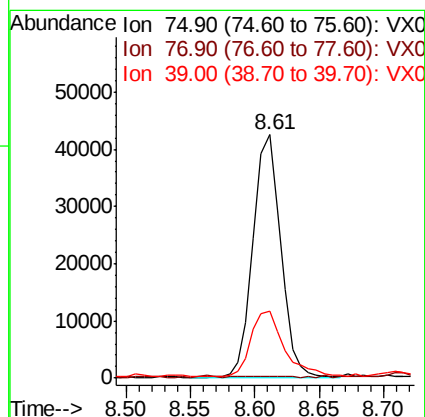
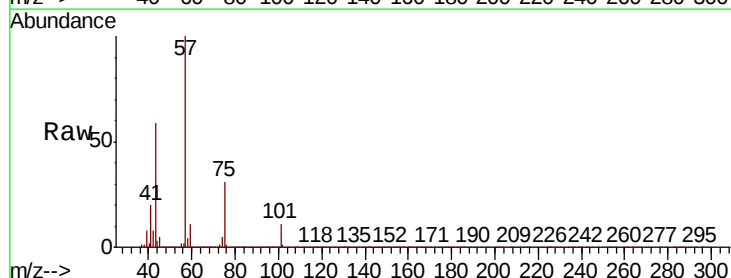
Tgt Ion: 75 Resp: 63045

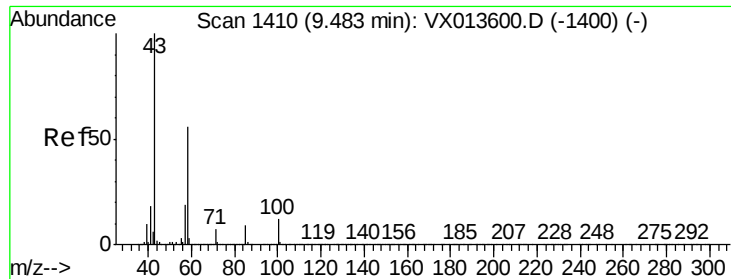
Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

39 26.7 39.9 59.9#

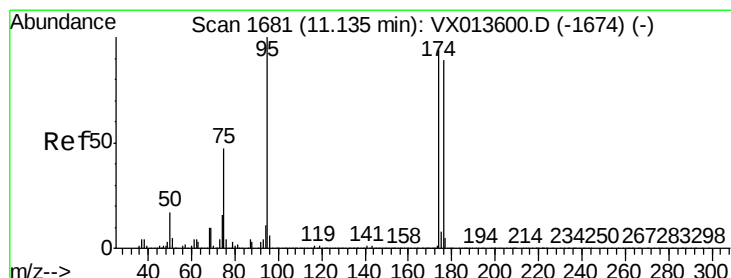
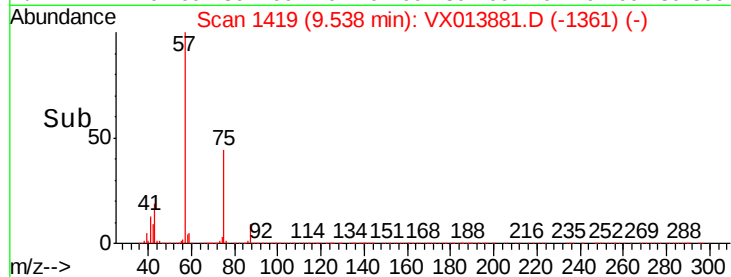
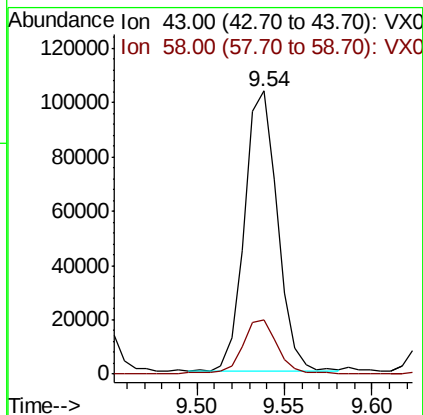
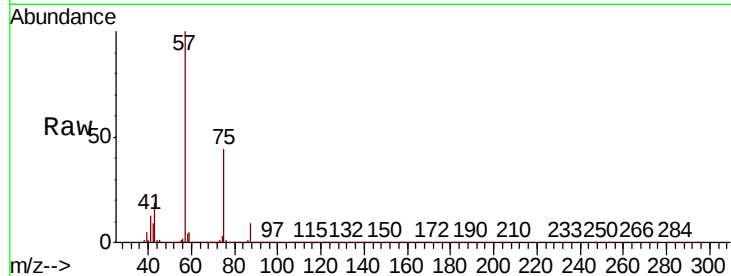




#59
2-Hexanone
Concen: 17.797 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

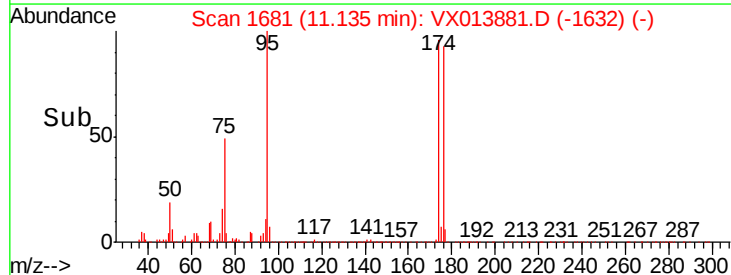
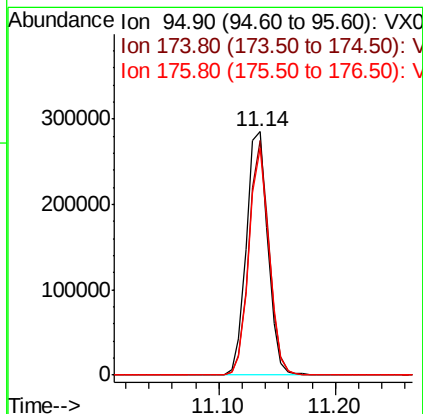
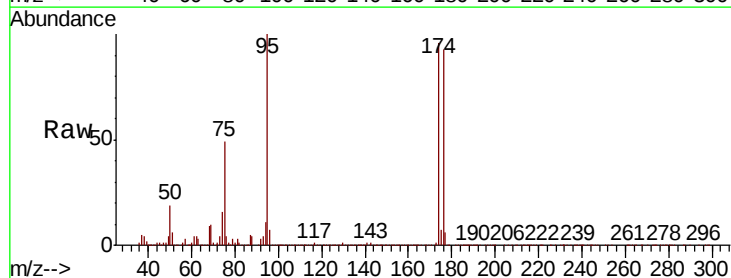
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-2

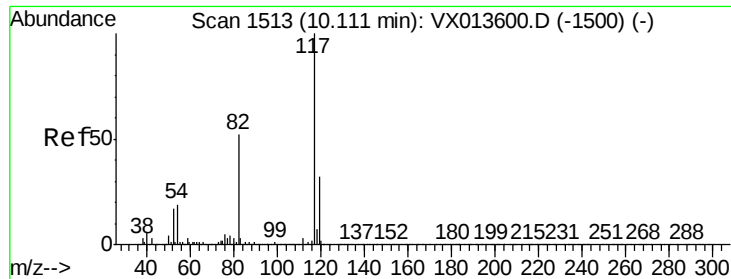
Tot Ion: 43 Resp: 135273
Ion Ratio Lower Upper
43 100
58 21.3 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 46.227 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

Tgt Ion: 95 Resp: 371048
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.0
176 87.9 0.0 173.6

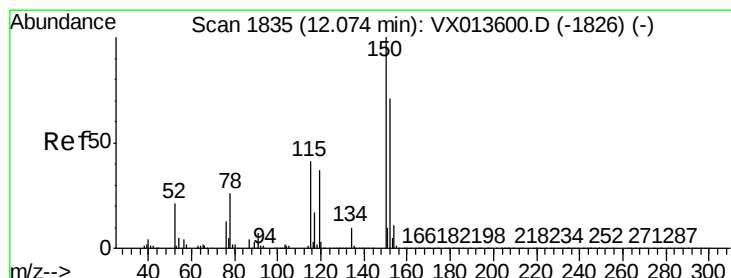
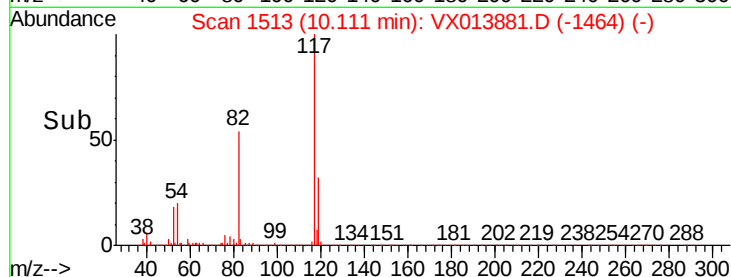
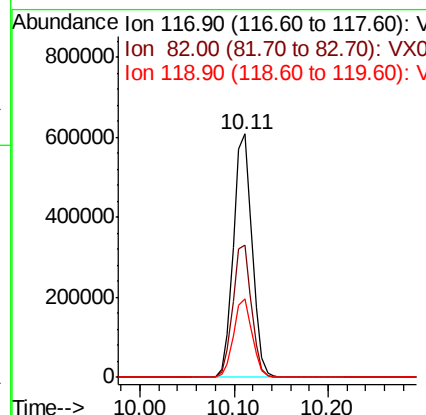
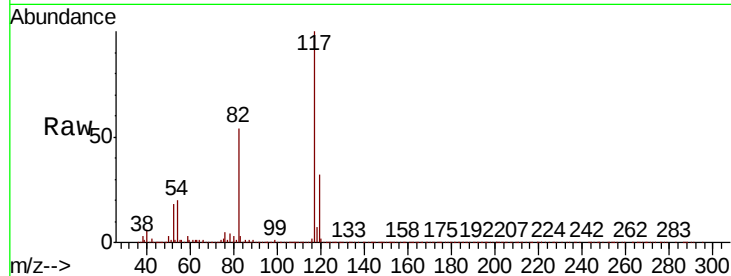




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

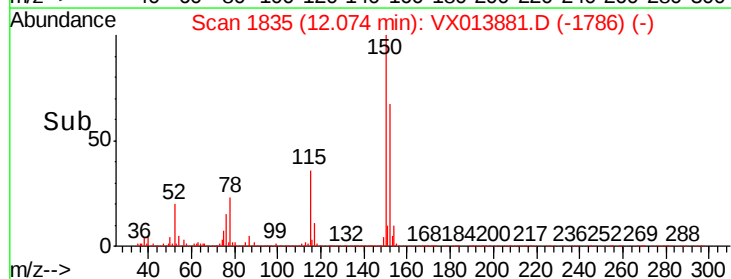
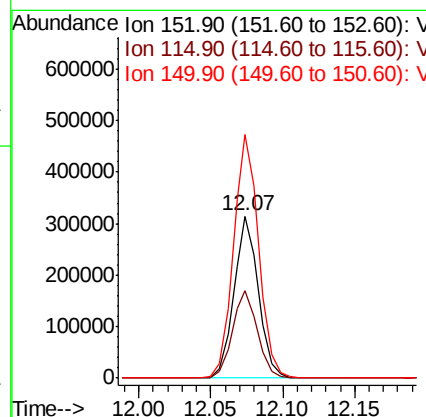
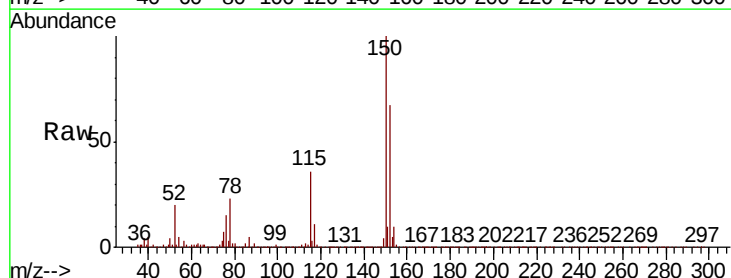
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-2

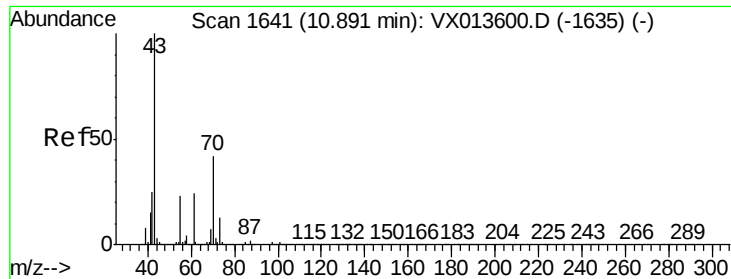
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.8	62.8
119	32.0	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.4	115.1
150	155.0	0.0	346.8

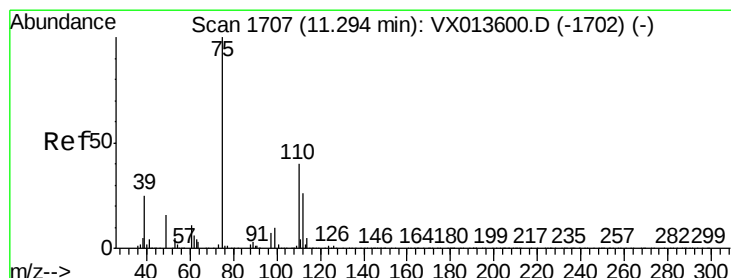
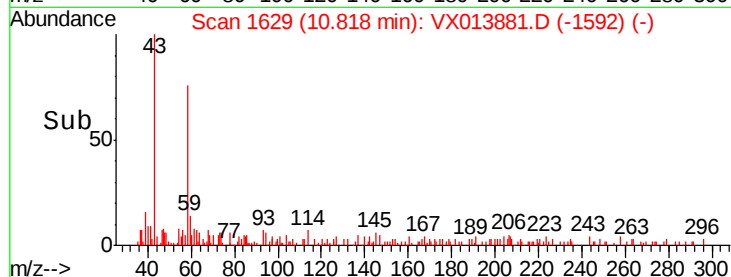
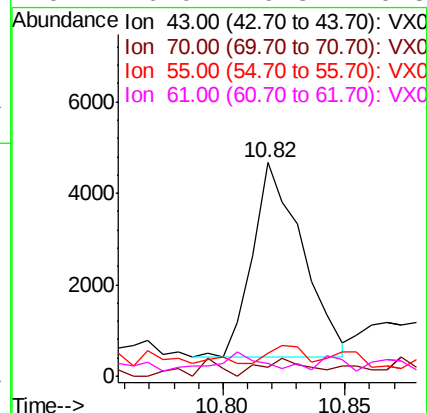
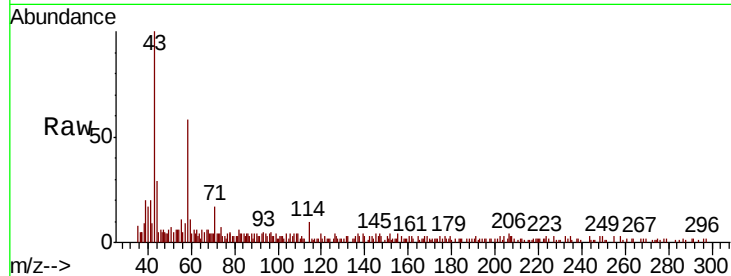




#74
N-amvl acetate
Concen: 0.502 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.07 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

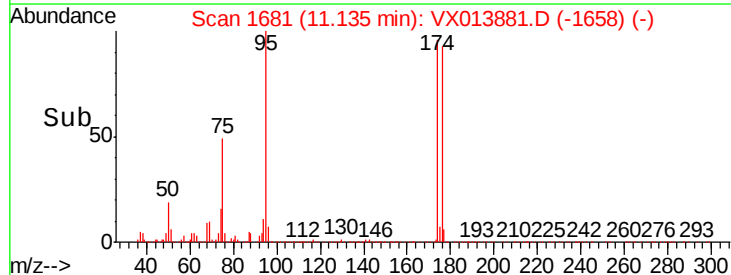
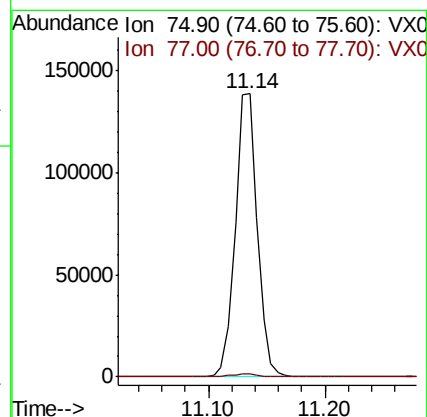
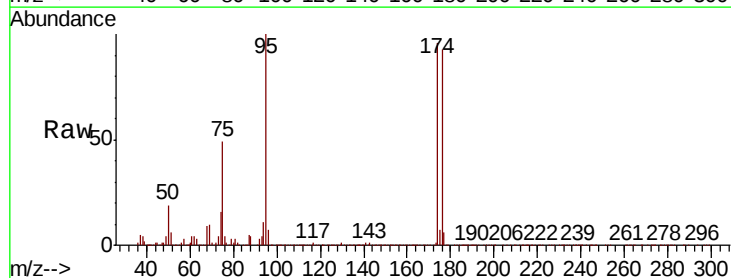
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-2

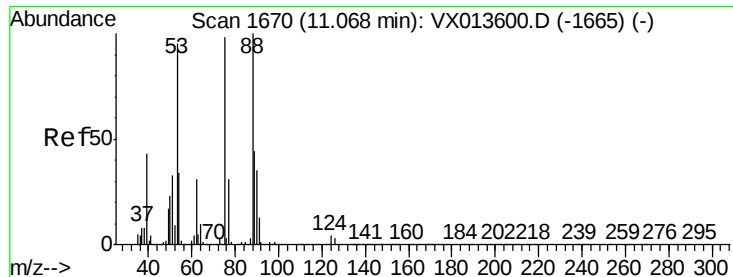
Tot Ion: 43 Resp: 6012
Ion Ratio Lower Upper
43 100
70 8.8 34.3 51.5#
55 7.1 18.5 27.7#
61 0.0 19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 21.825 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013881.D
Acq: 10 Dec 2019 03:51

Tgt Ion: 75 Resp: 182782
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.709 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013881.D

Acq: 10 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-2

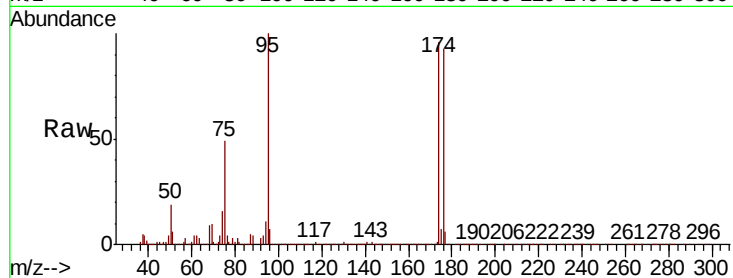
Tot Ion: 75 Resp: 182782

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

