

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013880.D
 Acq On : 10 Dec 2019 03:27
 Operator : JC/SP
 Sample : K6188-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP-1

Quant Time: Dec 12 08:19:57 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	593916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	924739	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	841877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	372111	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	336678	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.49	113	274944	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	1111328	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.14	95	372721	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

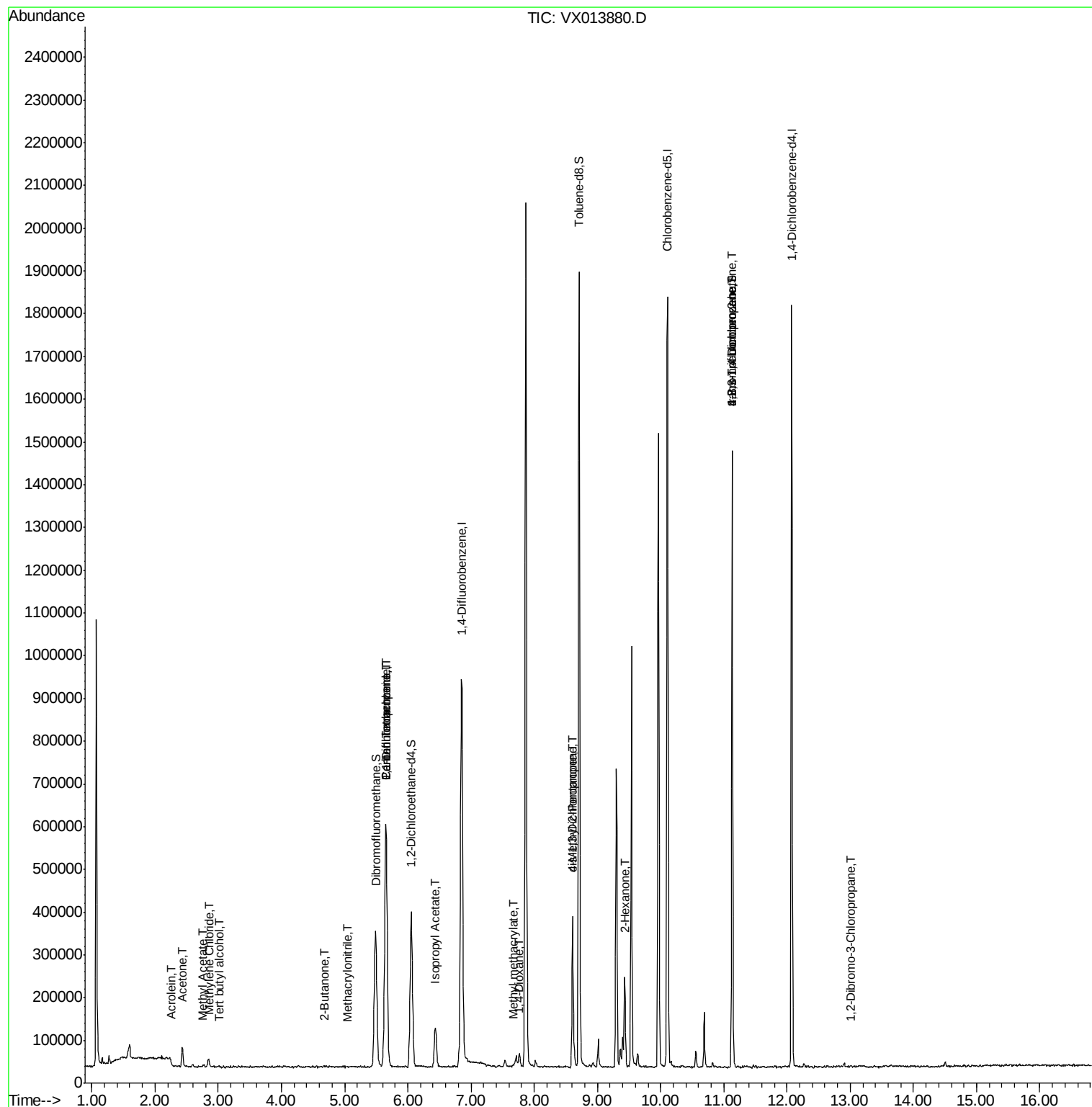
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	562	0.330	ug/l #	1
13) Acrolein	2.26	56	188	6.165	ug/l #	1
16) Acetone	2.43	43	49685	14.597	ug/l	99
18) Methyl Acetate	2.76	43	6181	0.652	ug/l #	87
20) Methylene Chloride	2.85	84	10400	1.590	ug/l	93
25) 2-Butanone	4.68	43	5813	1.149	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	40408	4.814	ug/l #	52
38) Carbon Tetrachloride	5.65	117	52972	6.844	ug/l #	16
41) Methacrylonitrile	5.04	41	1443	0.279	ug/l #	58
43) Isopropyl Acetate	6.43	43	129494	8.353	ug/l	99
48) Methyl methacrylate	7.67	41	7318	0.971	ug/l #	15
49) 1,4-Dioxane	7.75	88	568	3.369	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	129087	13.237	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	60375	5.911	ug/l #	59
59) 2-Hexanone	9.43	43	162164	21.321	ug/l #	23
76) 1,2,3-Trichloropropane	11.14	75	179562	21.455	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	179562	58.696	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	457	0.232	ug/l #	41

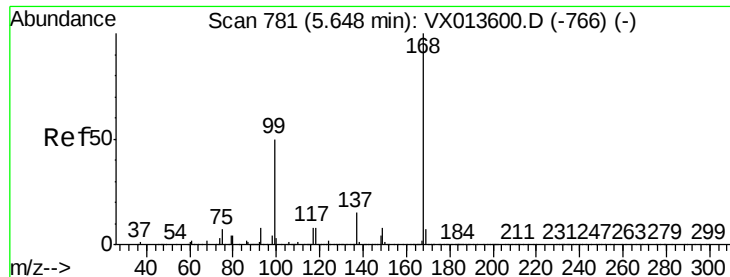
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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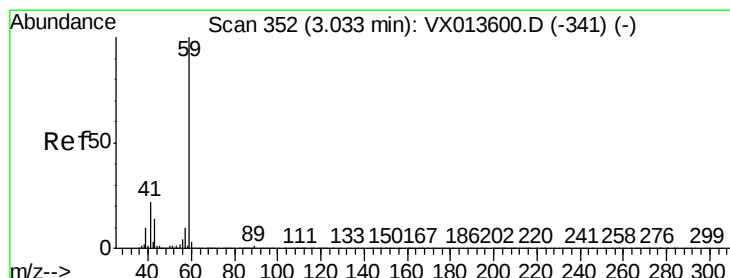
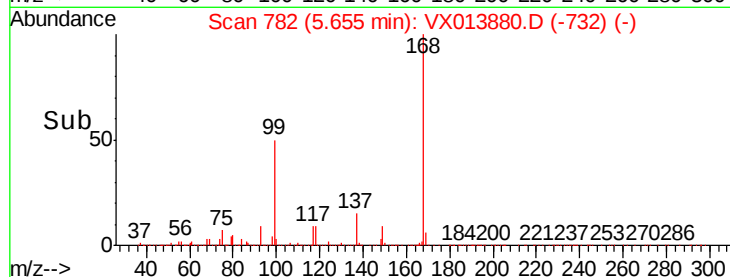
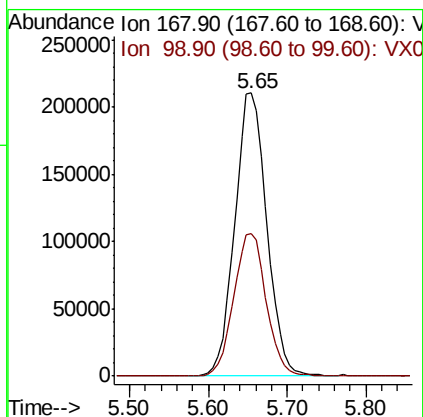
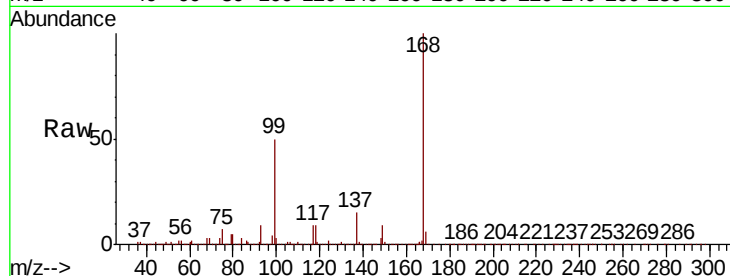


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013880.D
 Acq: 10 Dec 2019 03:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP-1

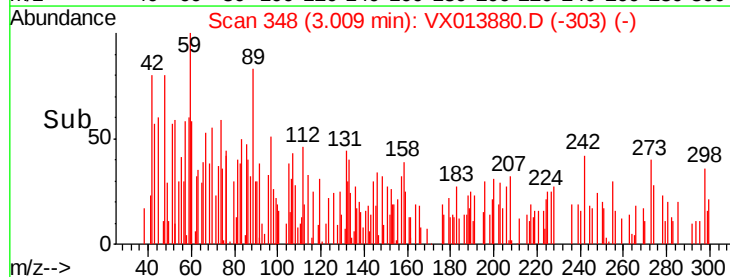
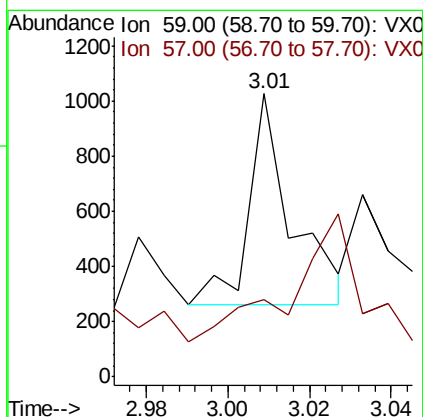
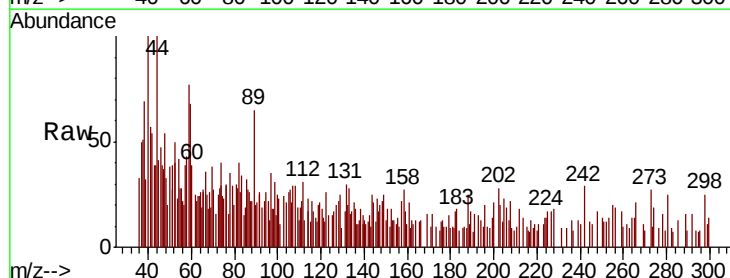
Tot Ion:168 Resp: 593916
 Ion Ratio Lower Upper
 168 100
 99 50.2 39.8 59.8

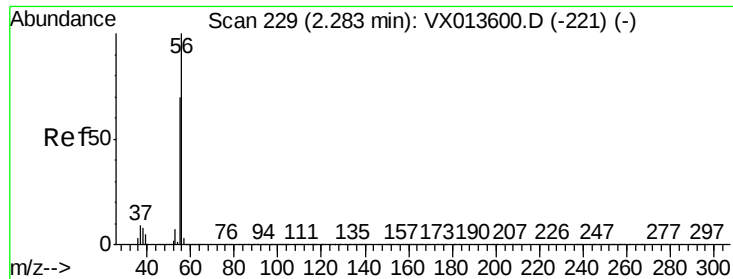


#11

Tert butyl alcohol
 Concen: 0.330 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX013880.D
 Acq: 10 Dec 2019 03:27

Tgt Ion: 59 Resp: 562
 Ion Ratio Lower Upper
 59 100
 57 127.2 7.8 11.6#

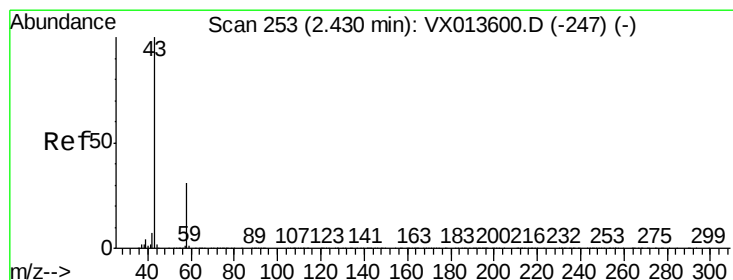
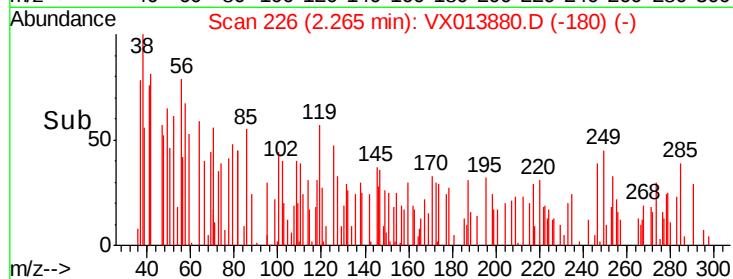
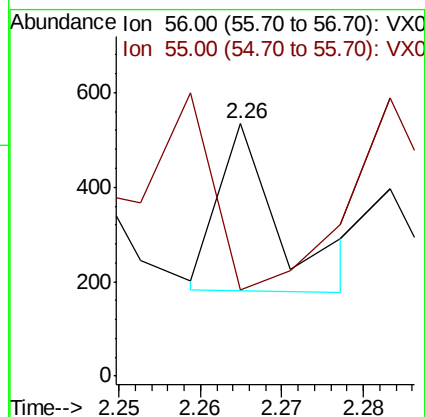
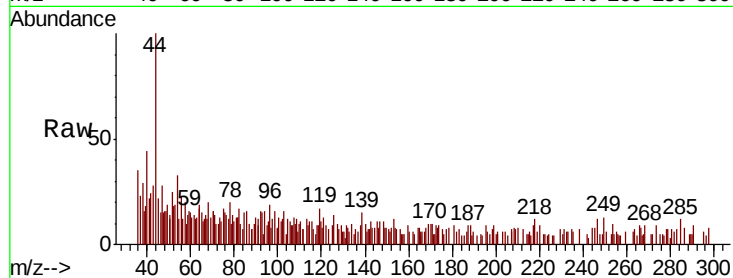




#13
Acrolein
Concen: 6.165 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

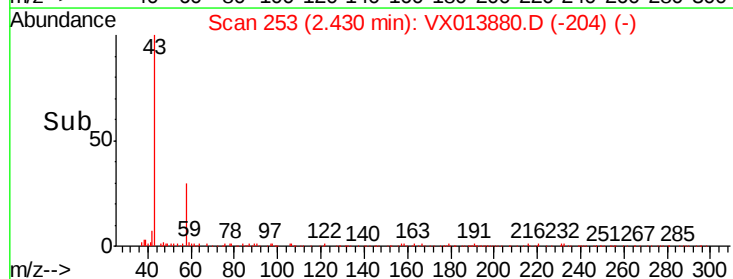
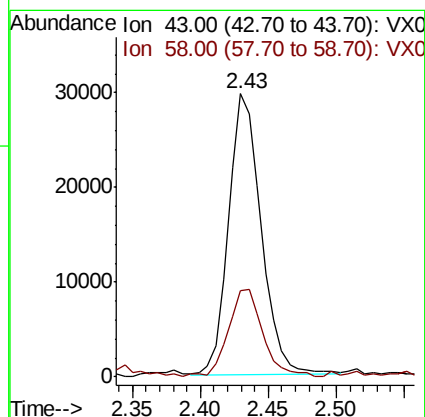
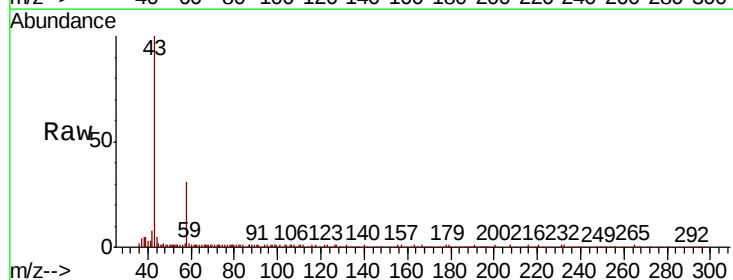
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-1

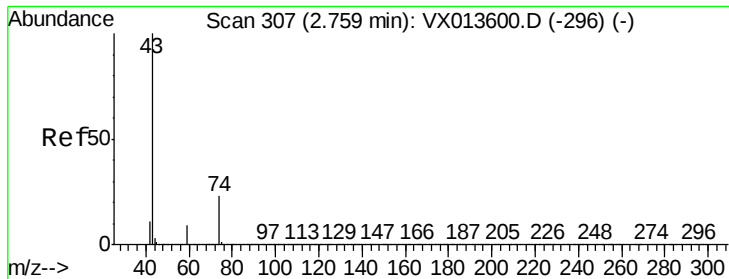
Tot Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 165.4 56.2 84.4#



#16
Acetone
Concen: 14.597 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

Tgt Ion: 43 Resp: 49685
Ion Ratio Lower Upper
43 100
58 30.3 24.6 36.8

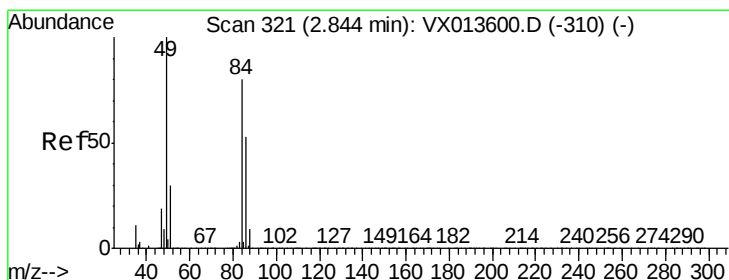
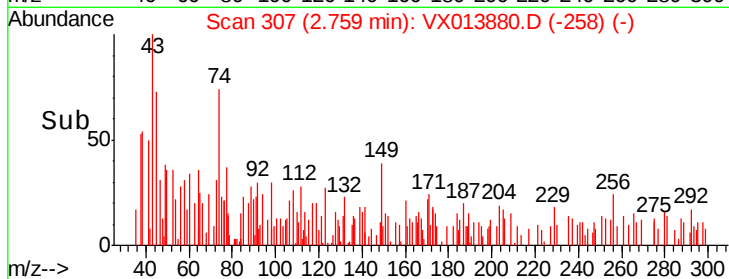
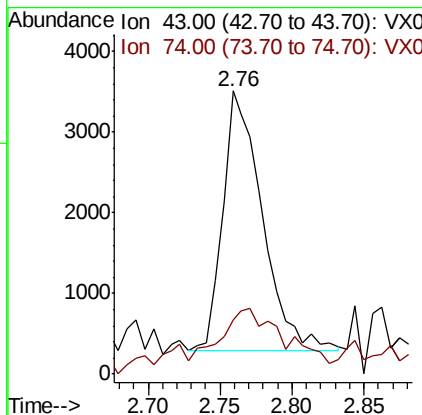
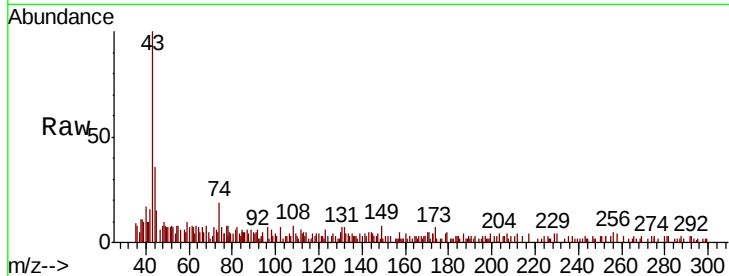




#18
Methyl Acetate
Concen: 0.652 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

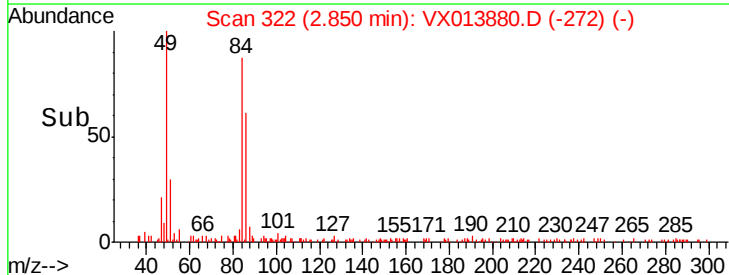
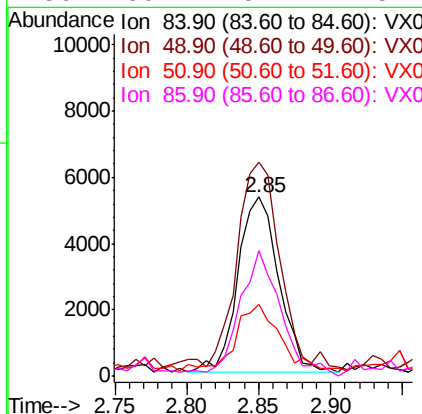
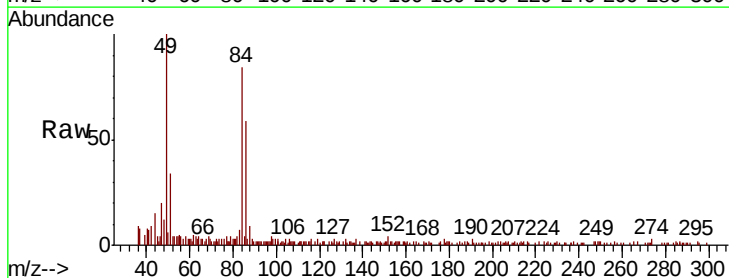
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-1

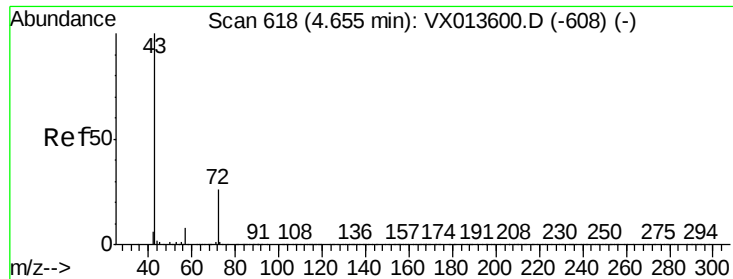
Tot Ion: 43 Resp: 6181
Ion Ratio Lower Upper
43 100
74 31.0 19.5 29.3#



#20
Methylene Chloride
Concen: 1.590 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

Tgt Ion: 84 Resp: 10400
Ion Ratio Lower Upper
84 100
49 112.6 99.7 149.5
51 36.7 29.9 44.9
86 69.1 52.2 78.4

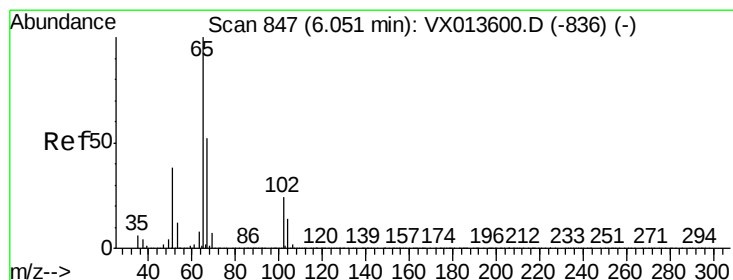
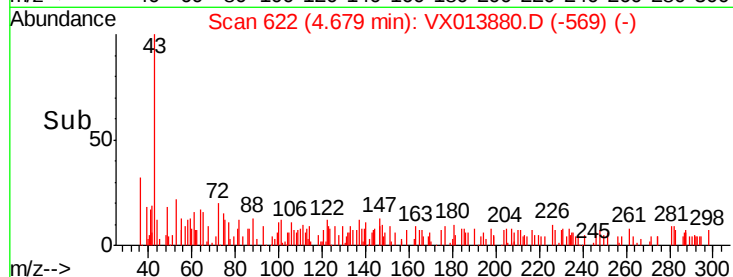
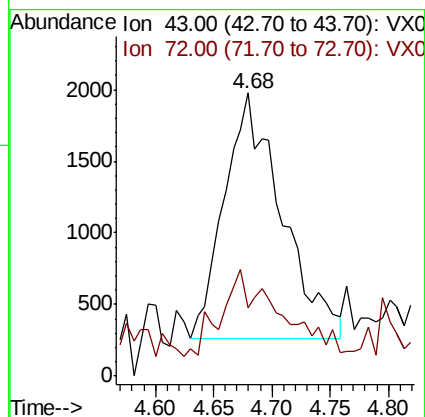
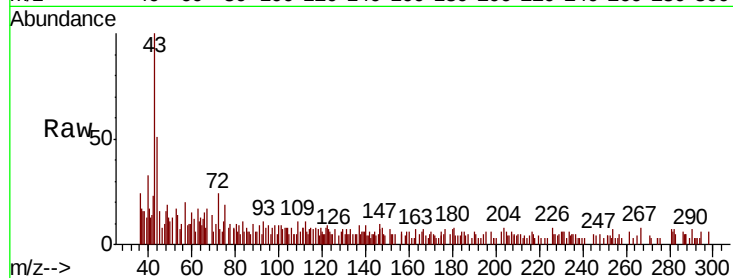




#25
2-Butanone
Concen: 1.149 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

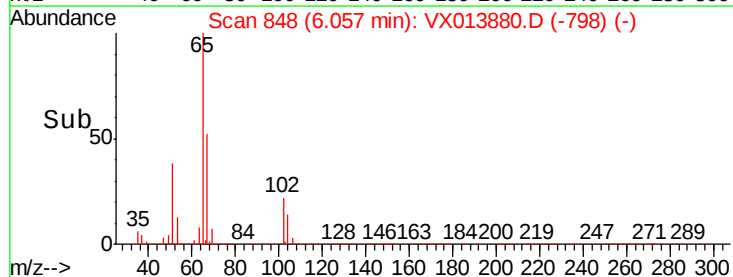
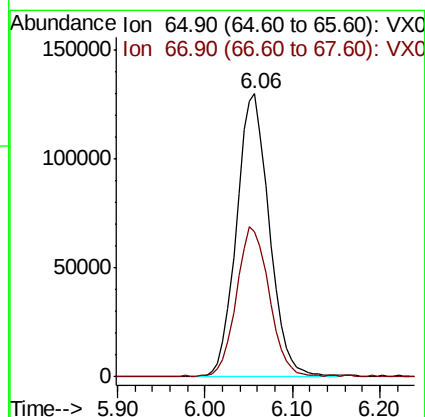
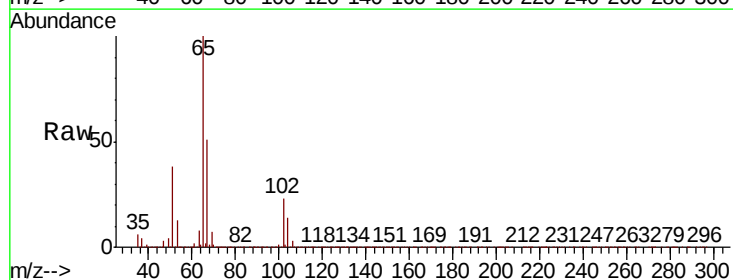
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-1

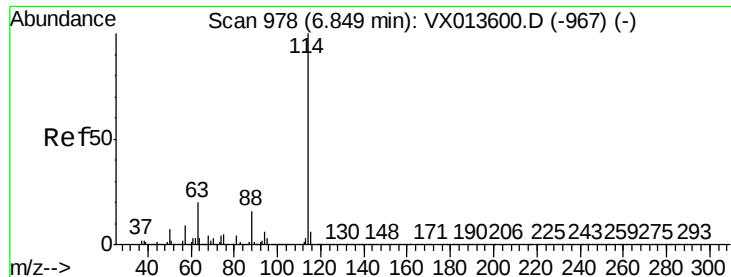
Tot Ion: 43 Resp: 5813
Ion Ratio Lower Upper
43 100
72 18.3 20.6 31.0#



#33
1,2-Dichloroethane-d4
Concen: 48.836 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

Tgt Ion: 65 Resp: 336678
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-1

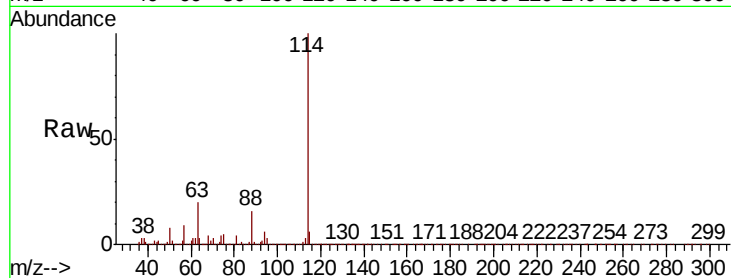
Tot Ion:114 Resp: 924739

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

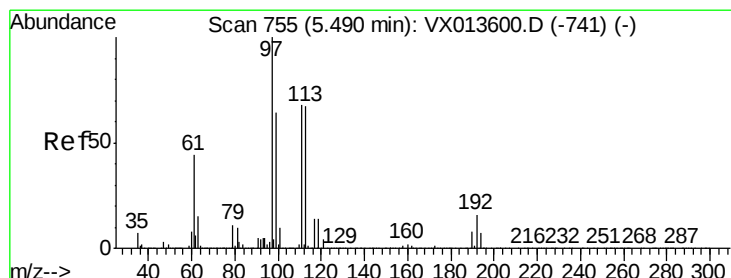
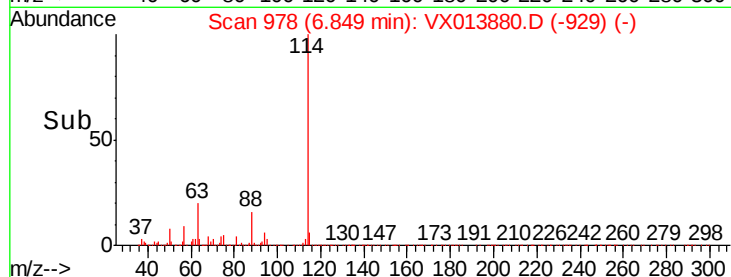
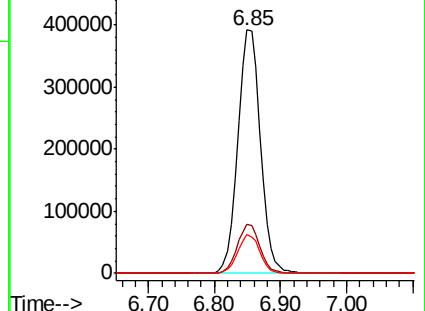
88 16.0 0.0 31.4



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: 48.094 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

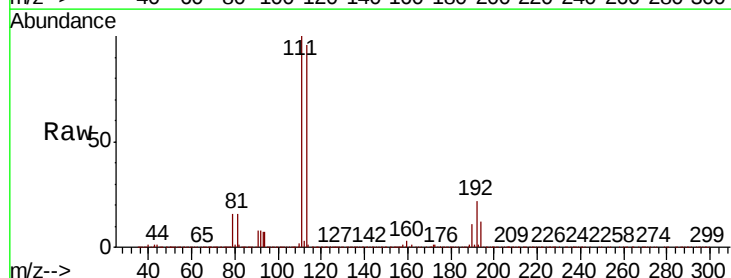
Tgt Ion:113 Resp: 274944

Ion Ratio Lower Upper

113 100

111 102.9 83.6 125.4

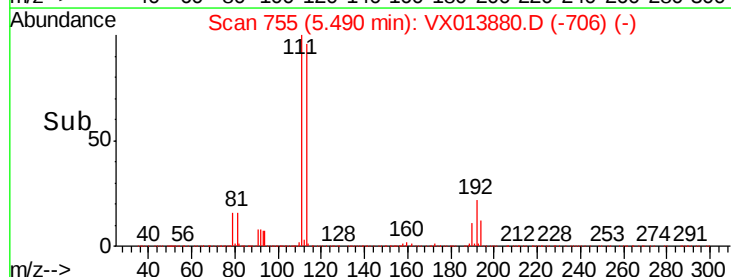
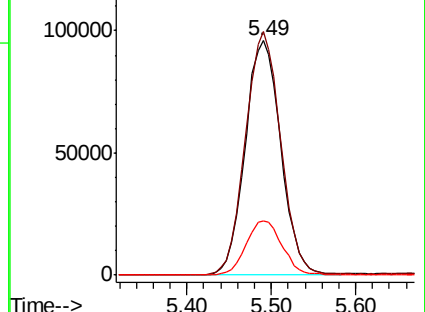
192 23.7 19.2 28.8

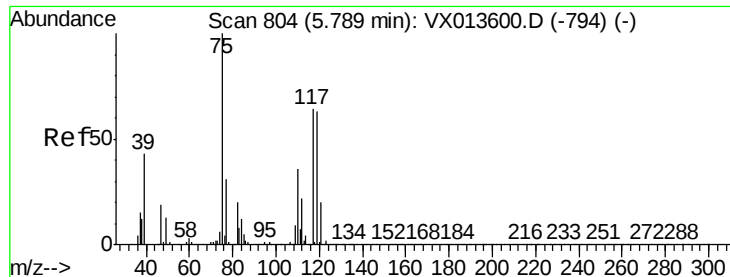


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

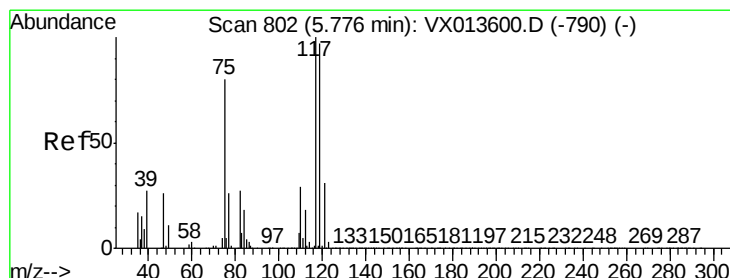
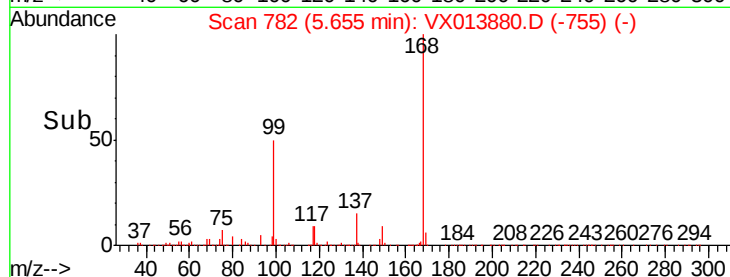
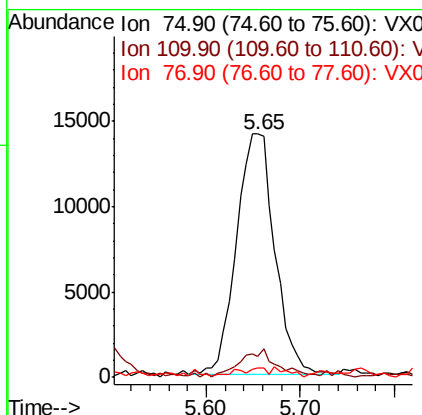
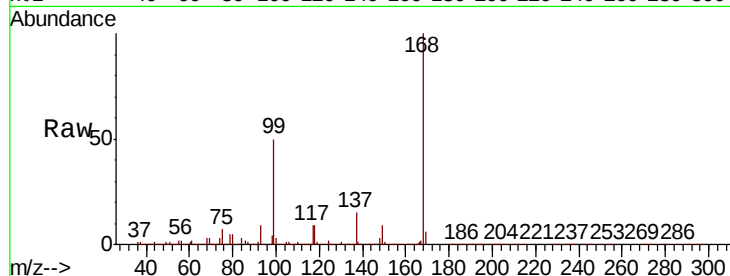




#36
 1,1-Dichloropropene
 Concen: 4.814 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013880.D
 Acq: 10 Dec 2019 03:27

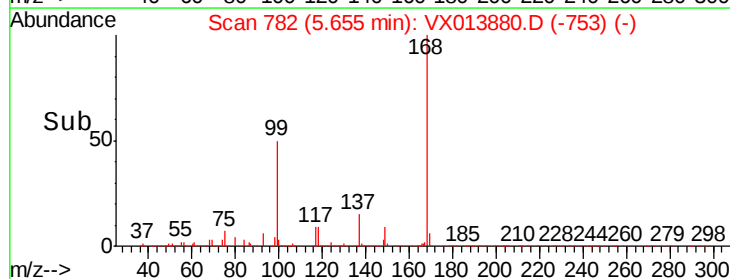
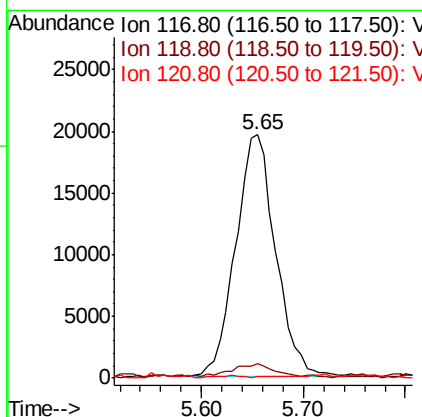
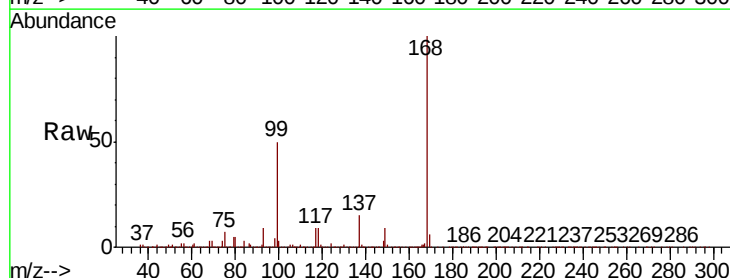
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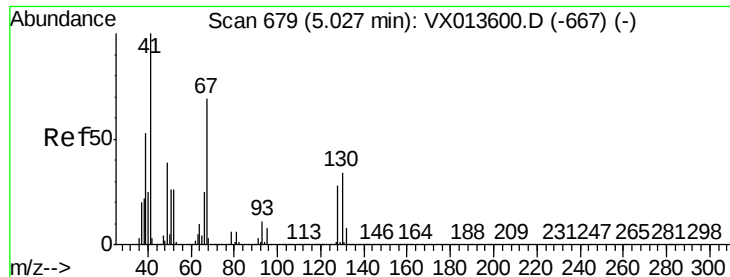
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.1	54.1#
77	1.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.844 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013880.D
 Acq: 10 Dec 2019 03:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.5	116.3#
121	0.1	25.0	37.6#

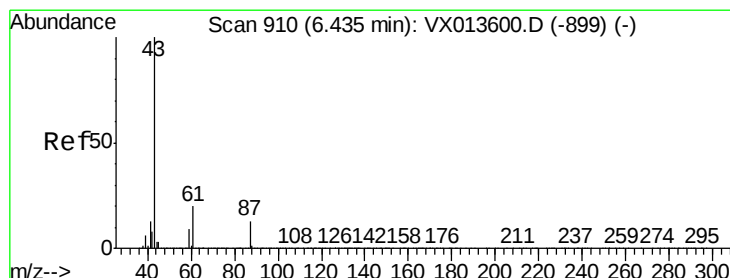
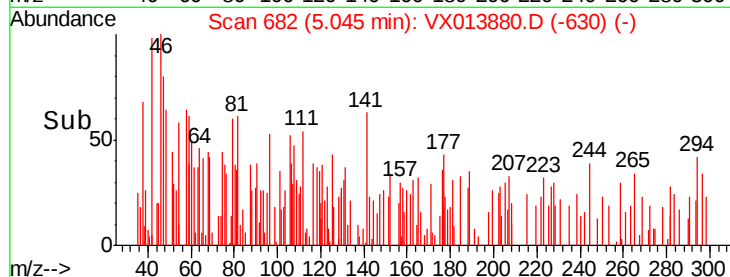
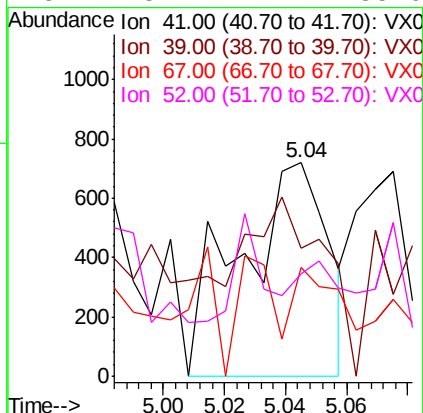
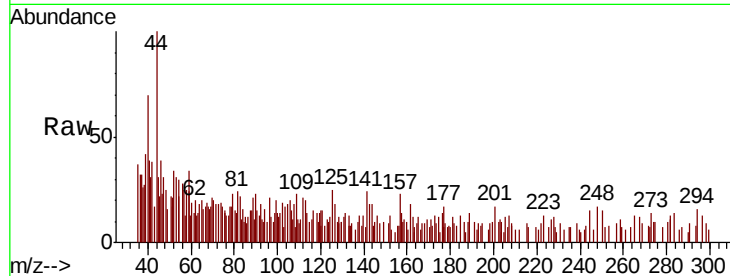




#41
Methacrylonitrile
Concen: 0.279 ug/l
RT: 5.04 min Scan# 682
Delta R.T. 0.02 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

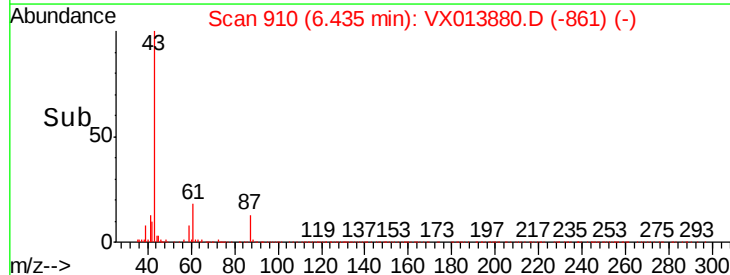
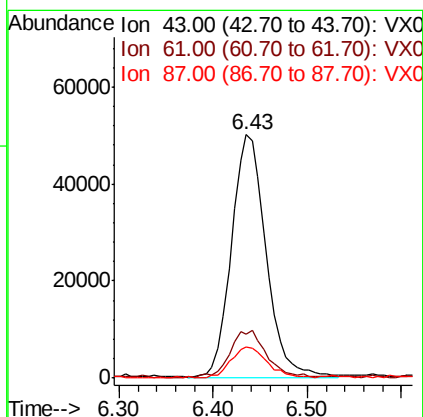
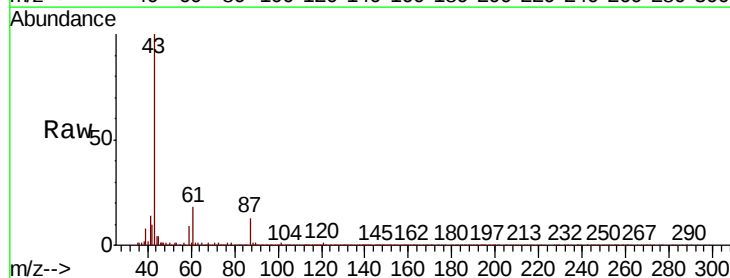
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-1

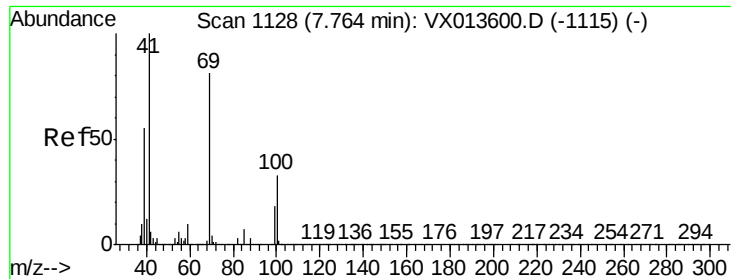
Tot Ion: 41 Resp: 1443
Ion Ratio Lower Upper
41 100
39 71.7 42.9 64.3#
67 22.6 57.4 86.0#
52 13.1 22.4 33.6#



#43
Isopropyl Acetate
Concen: 8.353 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

Tgt Ion: 43 Resp: 129494
Ion Ratio Lower Upper
43 100
61 21.2 16.3 24.5
87 13.1 10.8 16.2

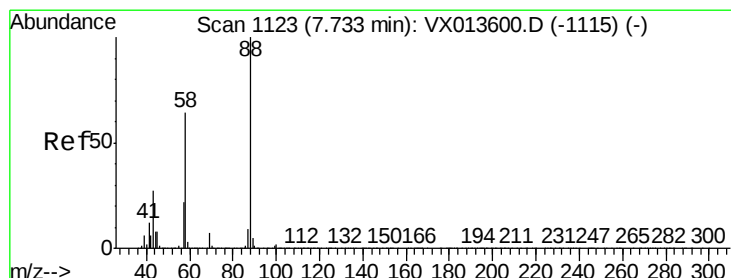
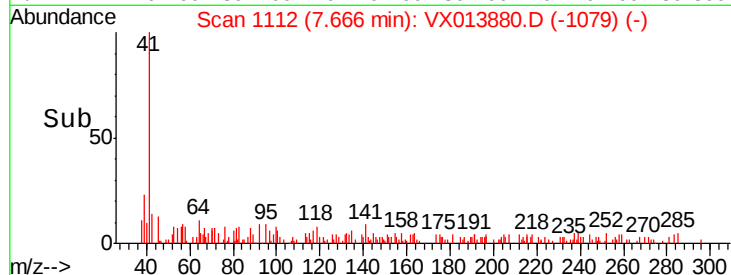
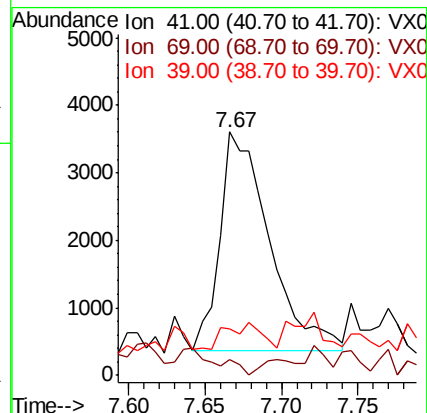
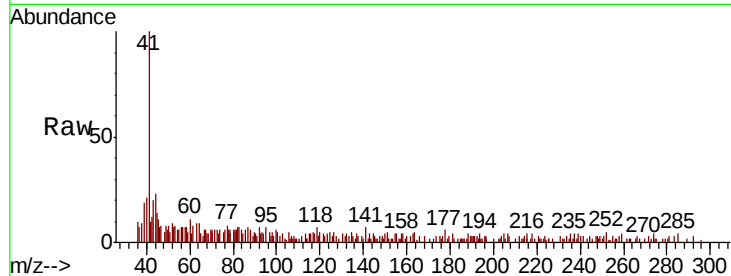




#48
Methvl methacrylate
Concen: 0.971 ug/l
RT: 7.67 min Scan# 1112
Delta R.T. -0.10 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

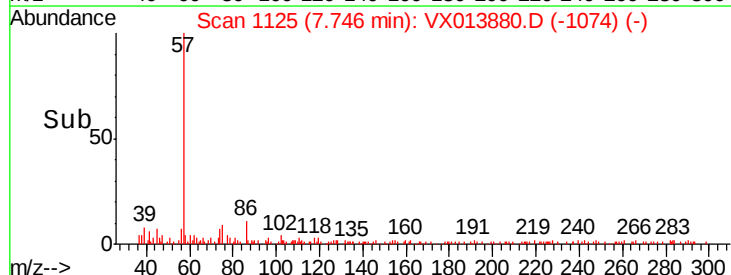
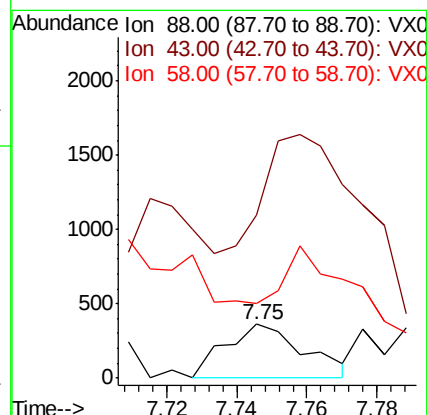
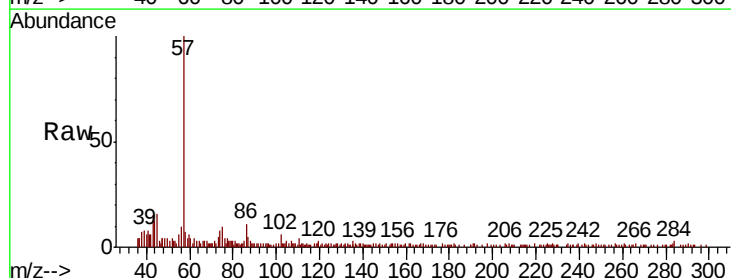
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP-1

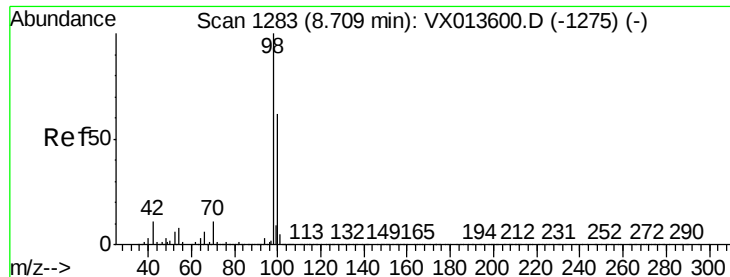
Tot Ion: 41 Resp: 7318
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 0.0 43.8 65.6#



#49
1,4-Dioxane
Concen: 3.369 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX013880.D
Acq: 10 Dec 2019 03:27

Tgt Ion: 88 Resp: 568
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 284.7 54.6 82.0#





#50

Toluene-d8

Concen: 49.895 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

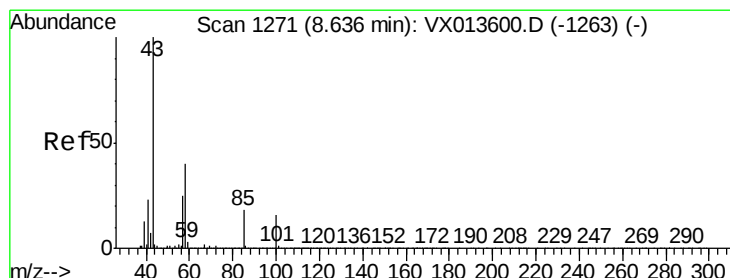
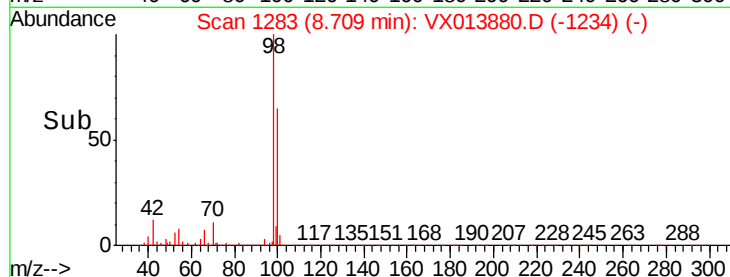
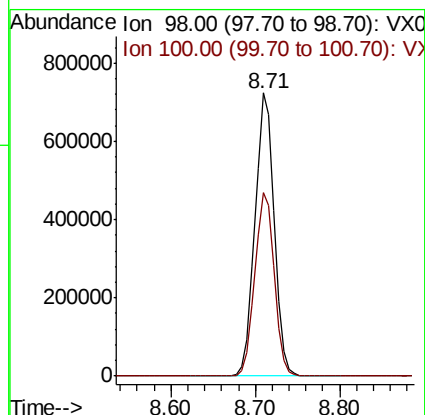
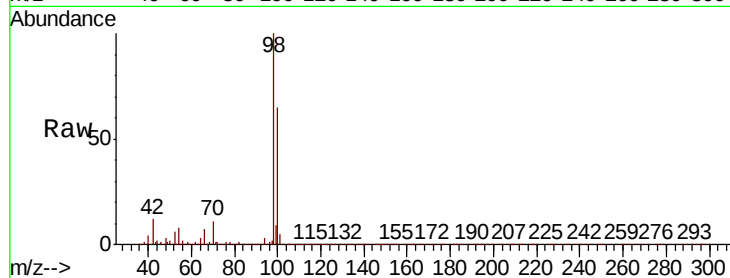
SOIL-COMP-1

Tot Ion: 98 Resp: 1111328

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 13.237 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX013880.D

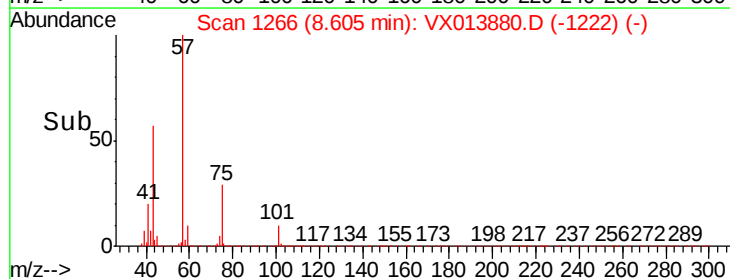
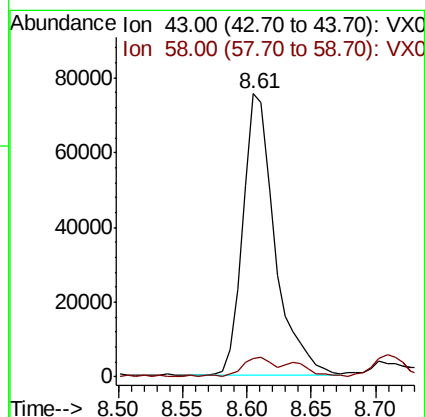
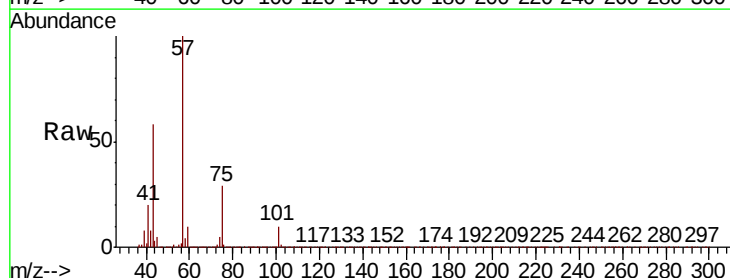
Acq: 10 Dec 2019 03:27

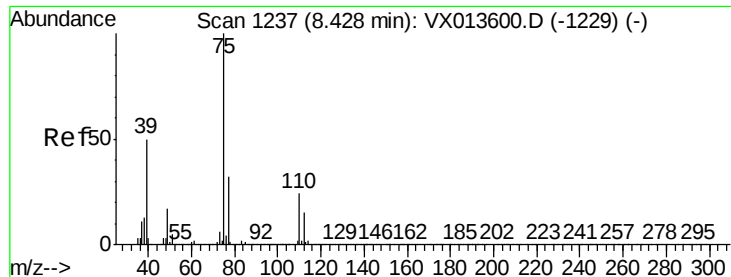
Tgt Ion: 43 Resp: 129087

Ion Ratio Lower Upper

43 100

58 6.4 32.1 48.1#



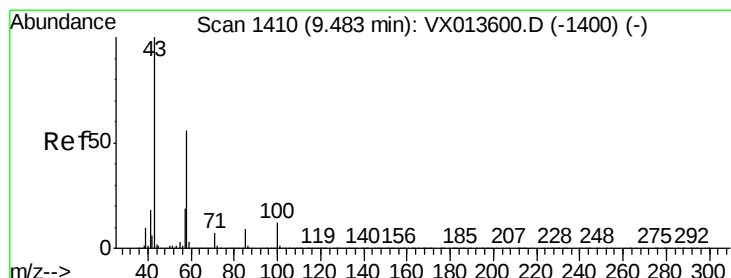
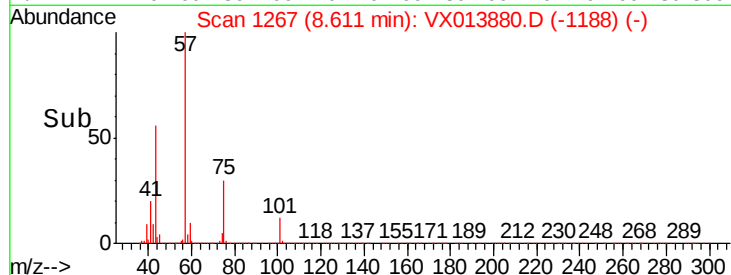
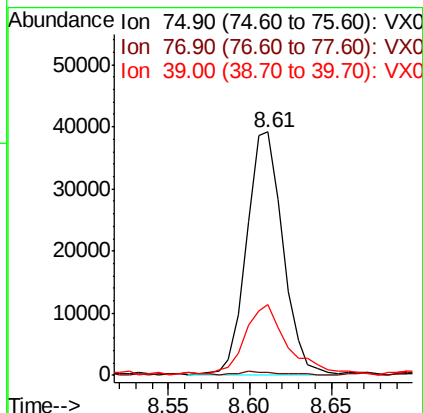
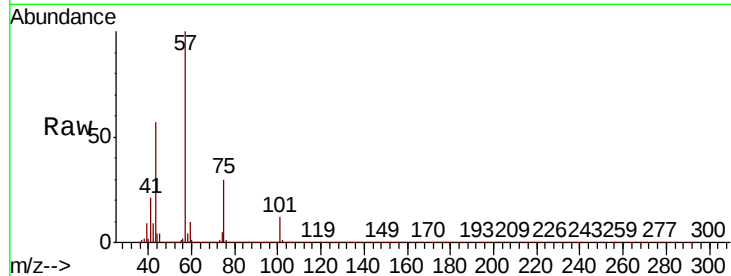


#54

cis-1,3-Dichloropropene
 Concen: 5.911 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX013880.D
 Acq: 10 Dec 2019 03:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP-1

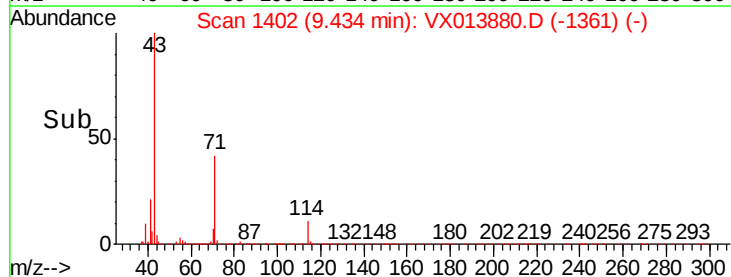
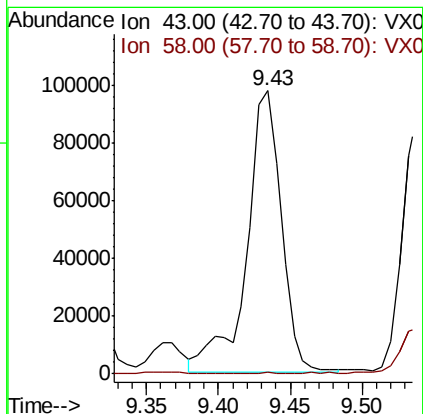
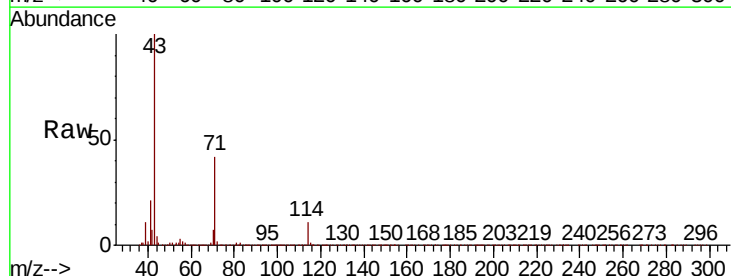
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.1	25.8	38.6#
39	27.9	39.9	59.9#

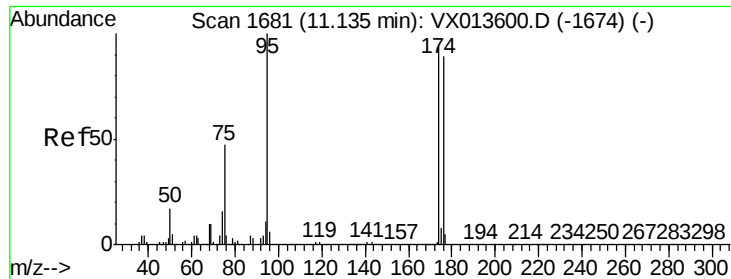


#59

2-Hexanone
 Concen: 21.321 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX013880.D
 Acq: 10 Dec 2019 03:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.1	84.4#





#62

4-Bromofluorobenzene

Concen: 46.405 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-1

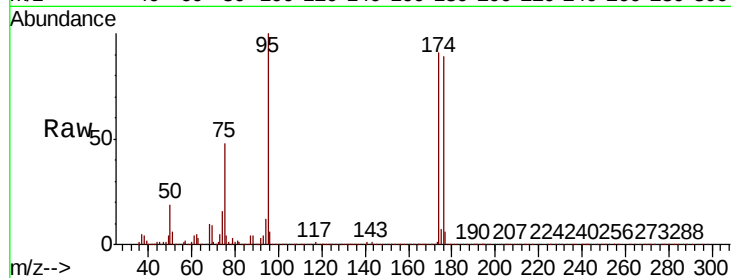
Tot Ion: 95 Resp: 372721

Ion Ratio Lower Upper

95 100

174 88.5 0.0 180.0

176 86.7 0.0 173.6

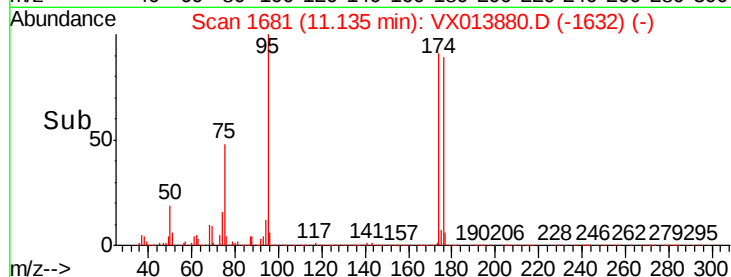


Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)

Time-->



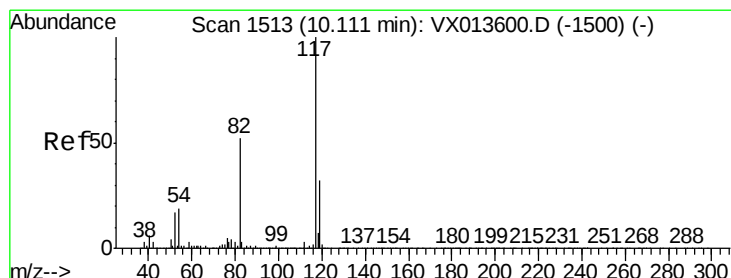
Abundance

Ion 94.90 (94.60 to 95.60): VX013880.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013880.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013880.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

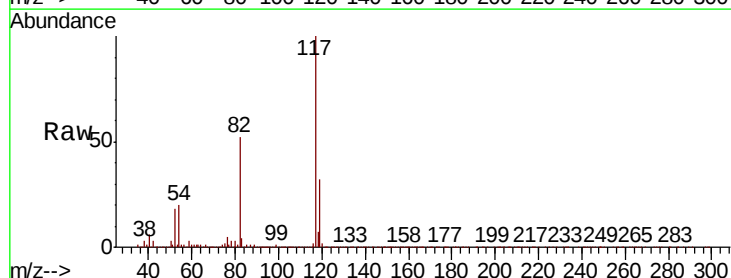
Tgt Ion: 117 Resp: 841877

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

119 31.7 25.8 38.8

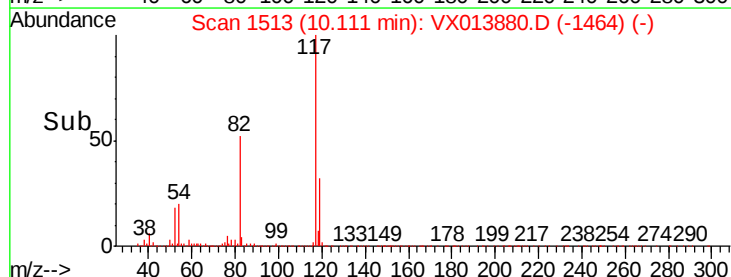


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)

Time-->



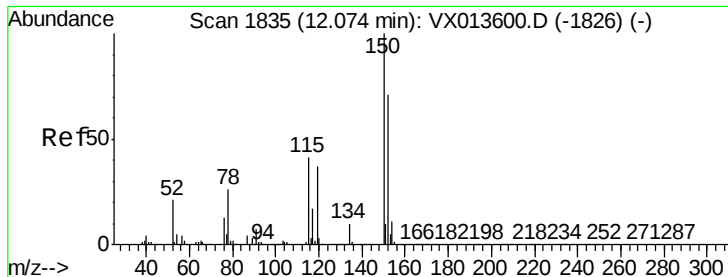
Abundance

Ion 116.90 (116.60 to 117.60): VX013880.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013880.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013880.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-1

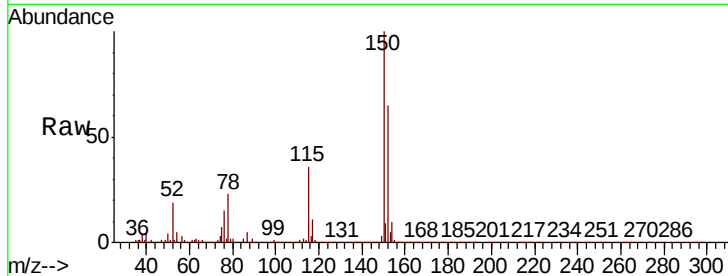
Tot Ion:152 Resp: 372111

Ion Ratio Lower Upper

152 100

115 55.0 38.4 115.1

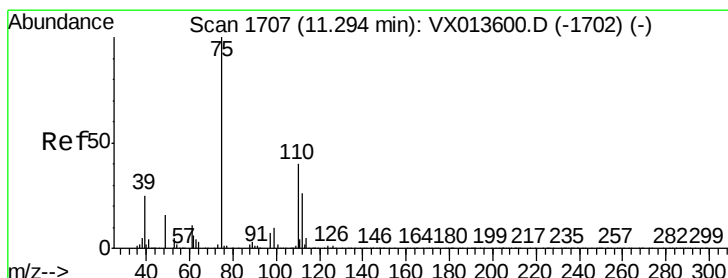
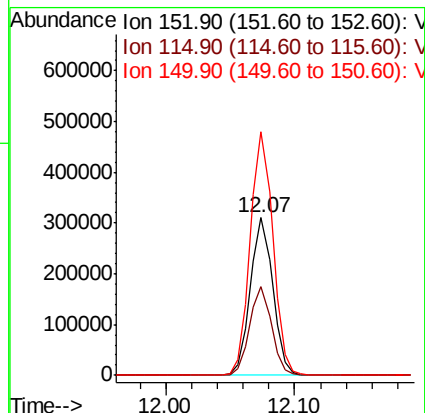
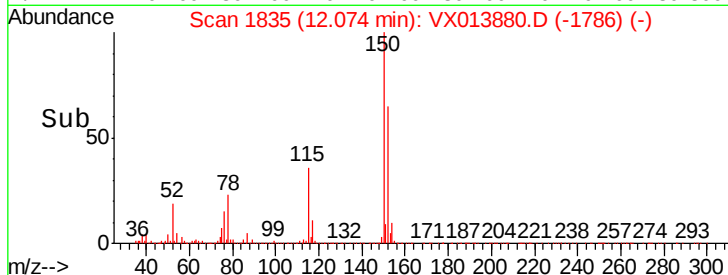
150 155.4 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.455 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013880.D

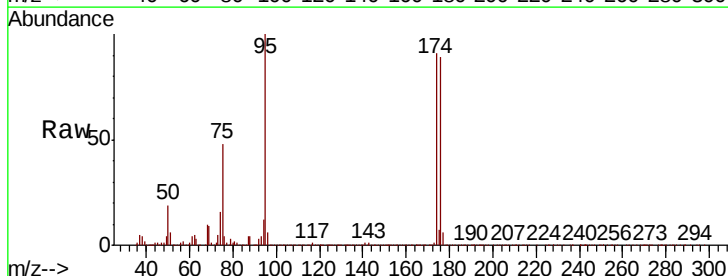
Acq: 10 Dec 2019 03:27

Tgt Ion: 75 Resp: 179562

Ion Ratio Lower Upper

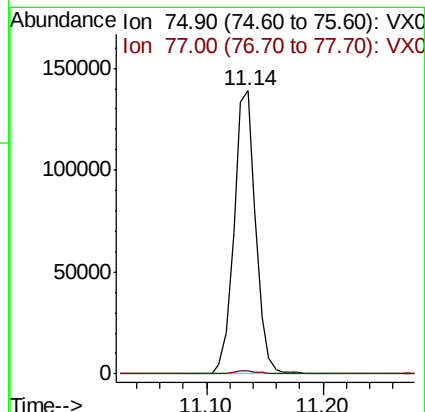
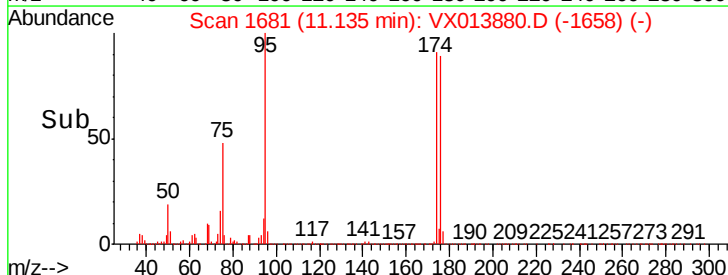
75 100

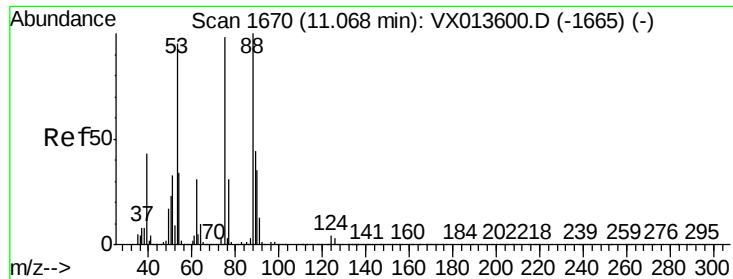
77 1.3 19.1 57.5#



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: 58.696 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

Instrument :

MSVOA_X

ClientSampleId :

SOIL-COMP-1

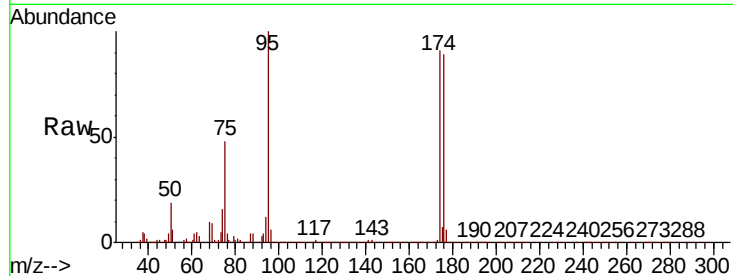
Tot Ion: 75 Resp: 179562

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.2#

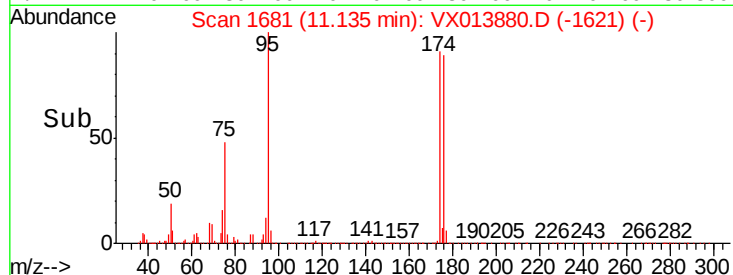
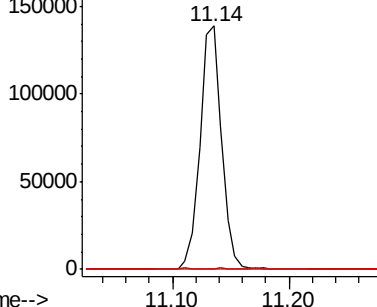
89 0.1 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.232 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX013880.D

Acq: 10 Dec 2019 03:27

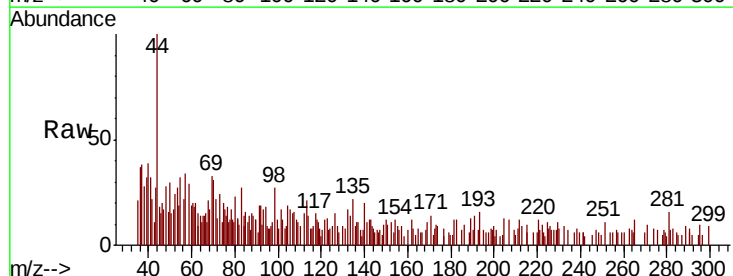
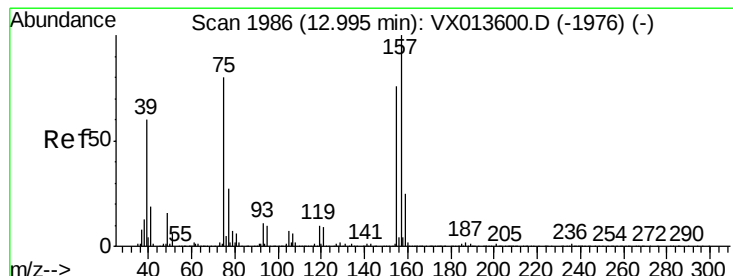
Tgt Ion: 75 Resp: 457

Ion Ratio Lower Upper

75 100

155 56.0 47.6 142.8

157 40.0 62.1 186.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

