

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014899.D
 Acq On : 10 Feb 2020 19:31
 Operator : JC/SP
 Sample : L1478-01
 Misc : 3.47g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-02

Quant Time: Feb 11 06:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

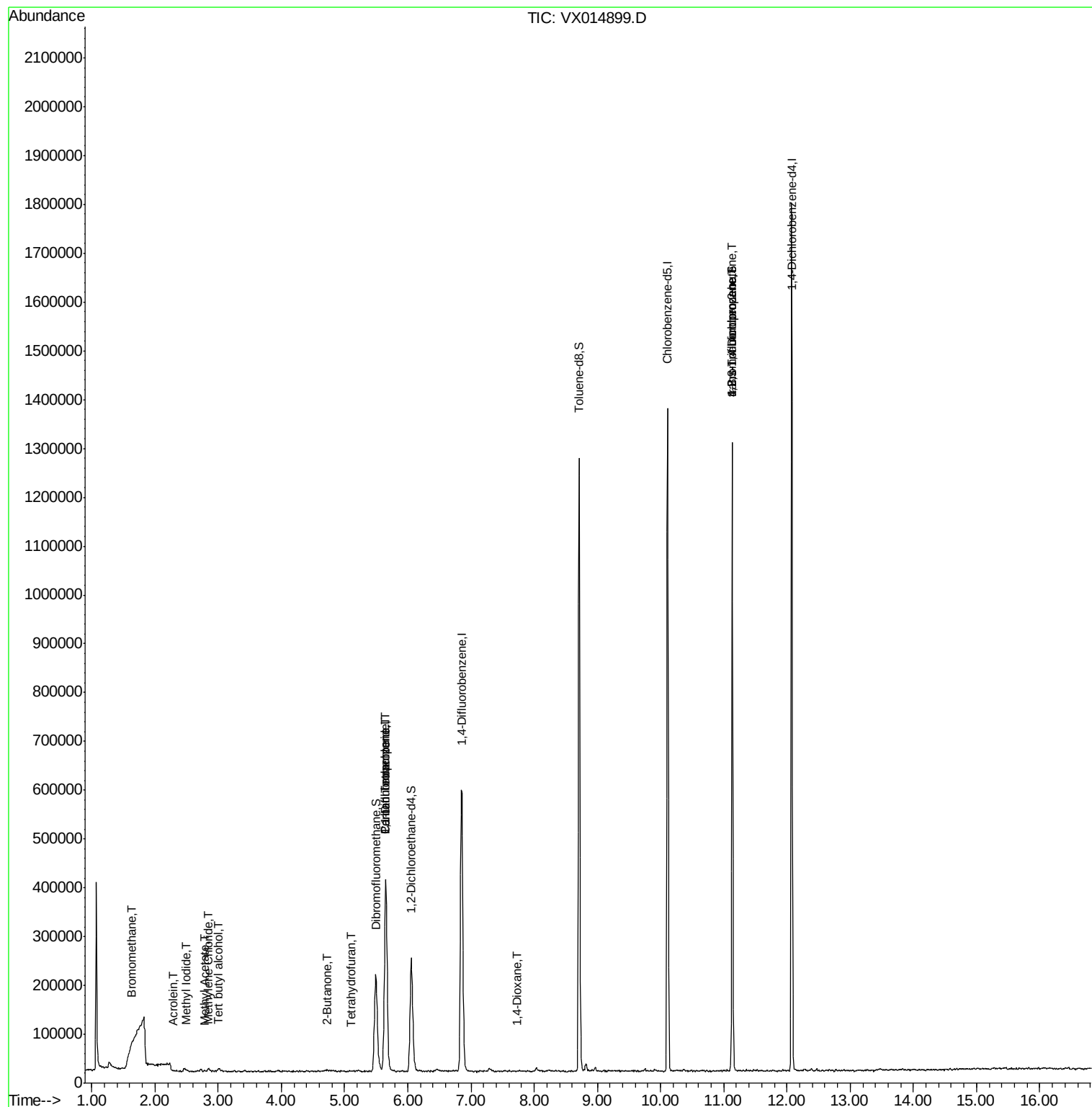
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	434813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	673103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	646331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	369056	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	244442	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	5.50	113	194368	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	8.71	98	806362	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	316311	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.63	94	2061	0.633	ug/l	90
10) Methyl Iodide	2.49	142	1178	4.605	ug/l #	53
11) Tert butyl alcohol	3.01	59	5173	5.970	ug/l #	82
13) Acrolein	2.30	56	175	0.265	ug/l #	15
16) Acetone	2.47	43	10391	Below Cal		89
18) Methyl Acetate	2.77	43	1824	0.369	ug/l	94
20) Methylene Chloride	2.84	84	4191	0.888	ug/l	88
25) 2-Butanone	4.72	43	7643	2.288	ug/l	92
29) Tetrahydrofuran	5.09	42	726	0.382	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	29225	4.854	ug/l #	50
38) Carbon Tetrachloride	5.65	117	36872	6.284	ug/l #	14
49) 1,4-Dioxane	7.73	88	529	5.550	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	154477	23.147	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.14	75	154477	59.249	ug/l #	12

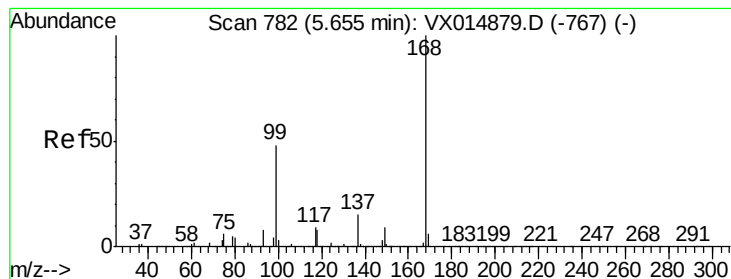
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021020\
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QLast Update : Mon Feb 10 12:09:20 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

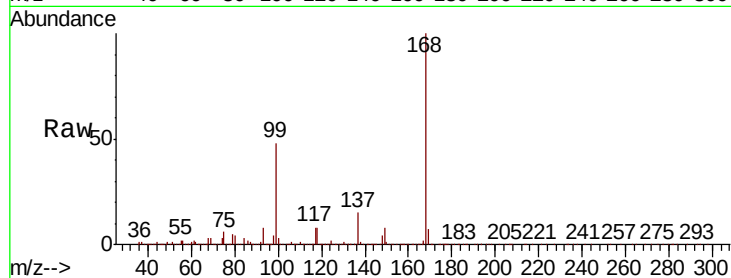
SOIL-02

Tot Ion:168 Resp: 434813

Ion Ratio Lower Upper

168 100

99 48.0 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

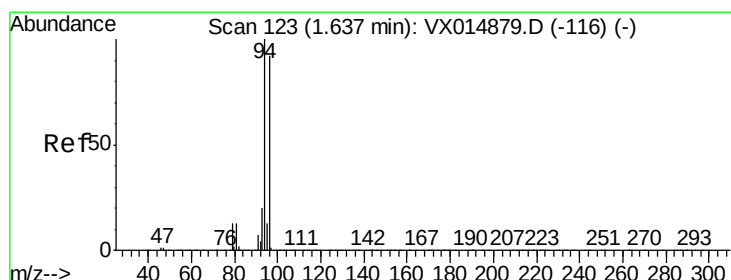
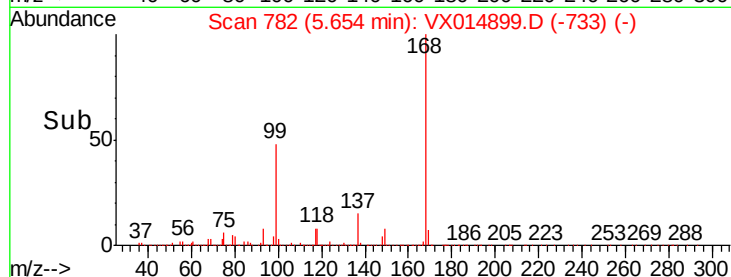
50000

0

5.65

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.633 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014899.D

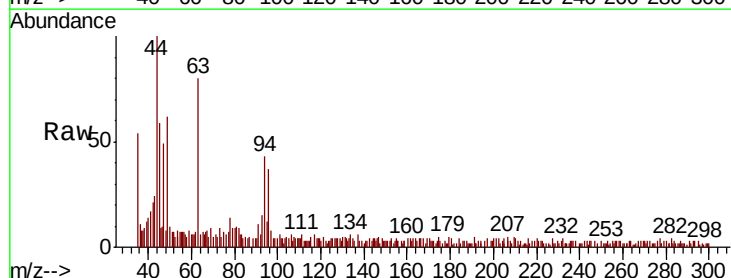
Acq: 10 Feb 2020 19:31

Tgt Ion: 94 Resp: 2061

Ion Ratio Lower Upper

94 100

96 82.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2500

2000

1500

1000

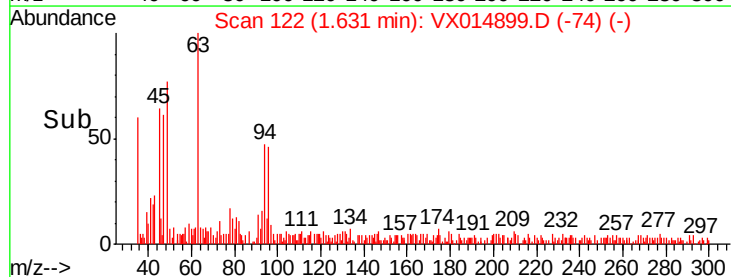
500

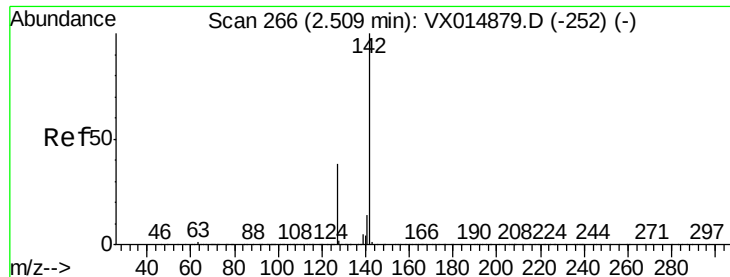
0

1.63

1.60 1.65

Time-->

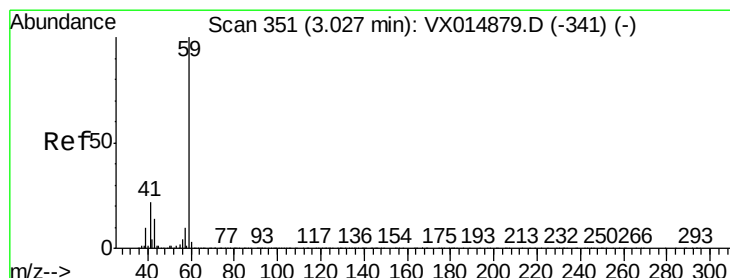
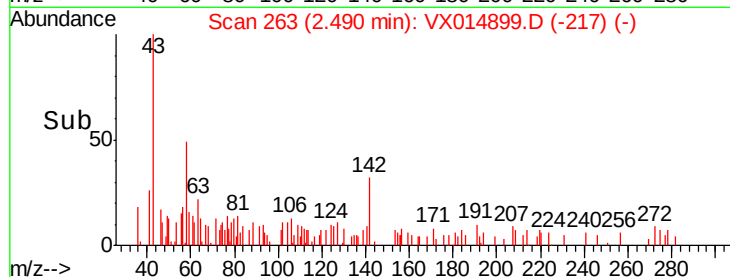
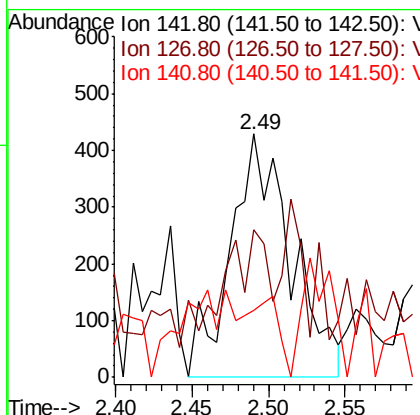
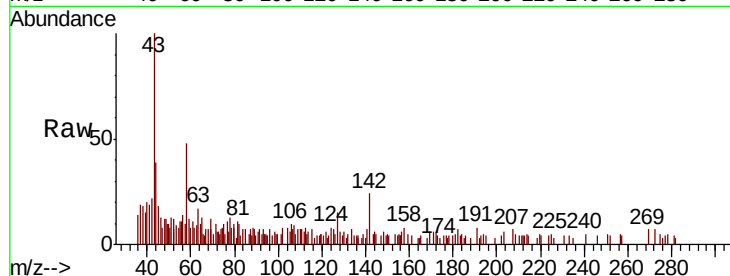




#10
Methvl Iodide
Concen: 4.605 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.02 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

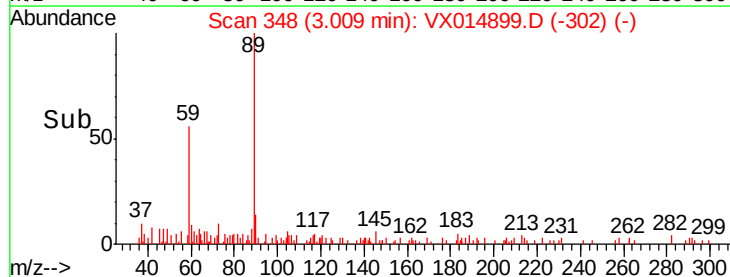
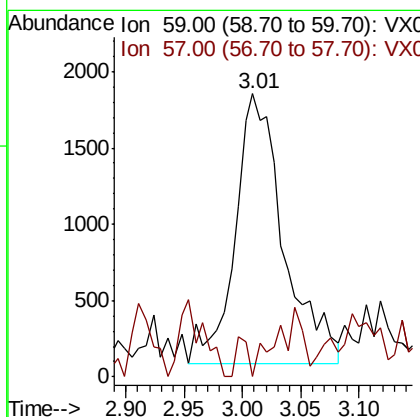
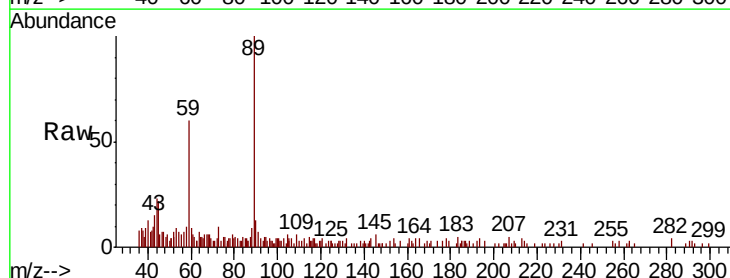
Instrument :
MSVOA_X
ClientSampled :
SOIL-02

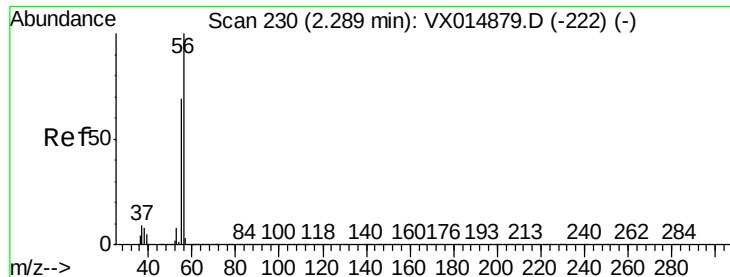
Tot Ion:142 Resp: 1178
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 14.1 11.3 16.9



#11
Tert butyl alcohol
Concen: 5.970 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

Tgt Ion: 59 Resp: 5173
Ion Ratio Lower Upper
59 100
57 3.5 8.2 12.4#

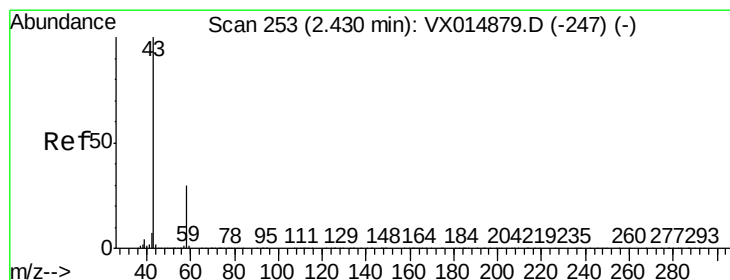
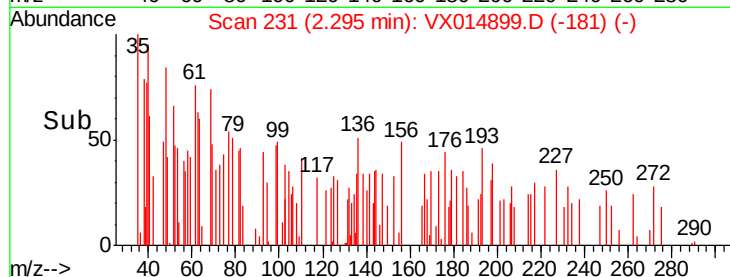
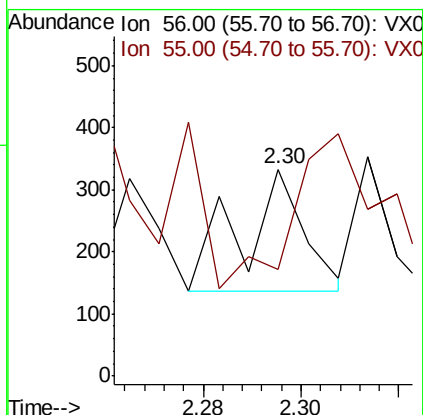
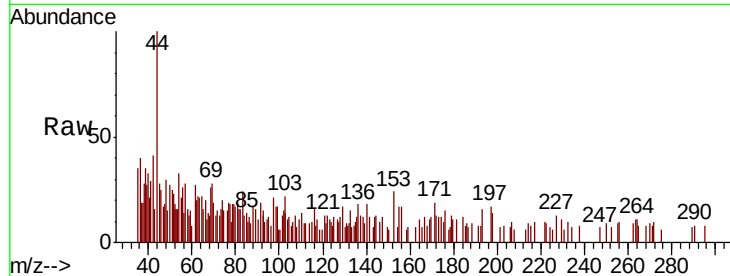




#13
Acrolein
Concen: 0.265 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

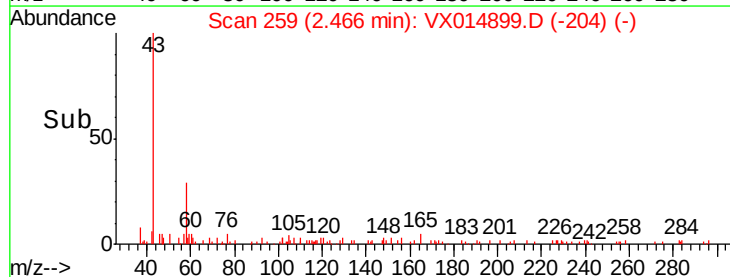
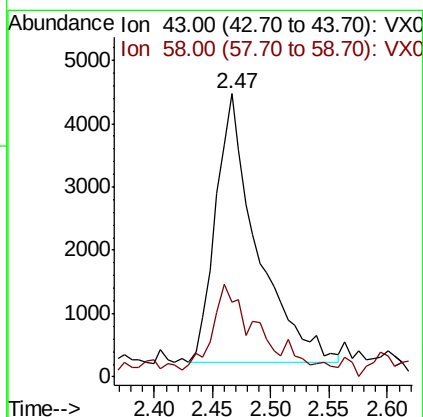
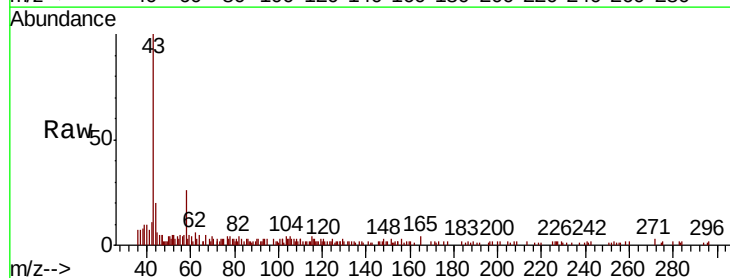
Instrument :
MSVOA_X
ClientSampleId :
SOIL-02

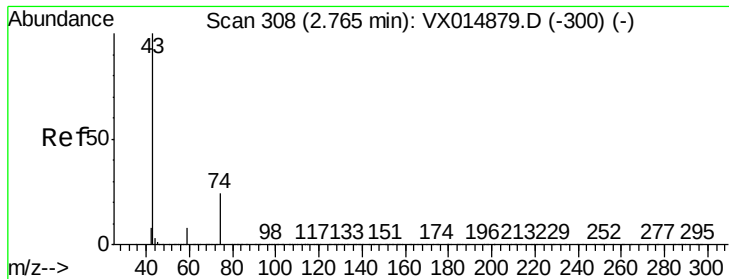
Tot Ion: 56 Resp: 175
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#16
Acetone
Concen: Below Cal
RT: 2.47 min Scan# 259
Delta R.T. 0.04 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

Tgt Ion: 43 Resp: 10391
Ion Ratio Lower Upper
43 100
58 24.2 24.1 36.1

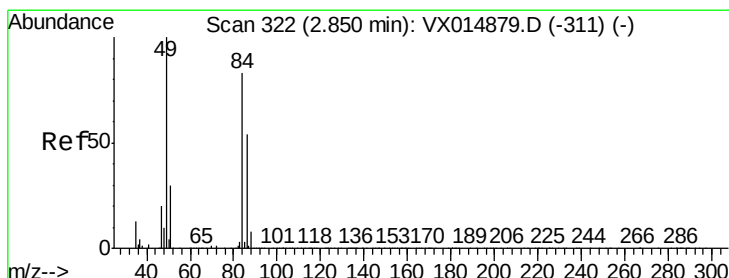
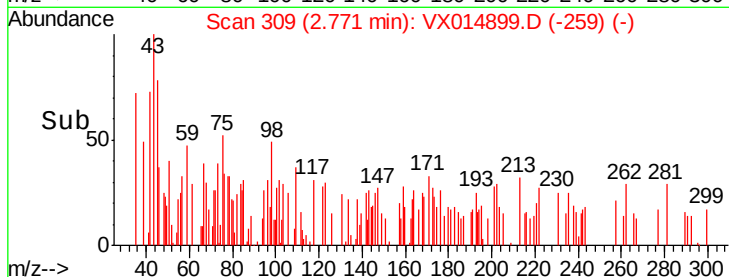
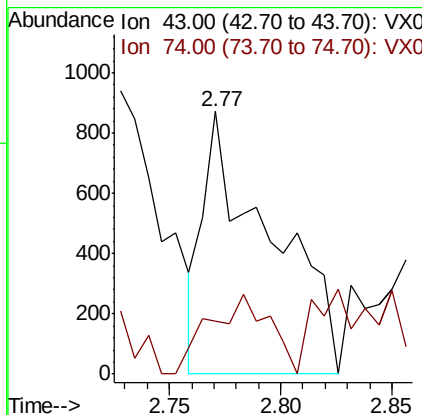
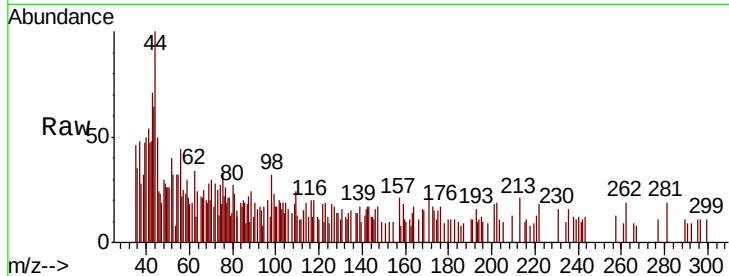




#18
Methyl Acetate
Concen: 0.369 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

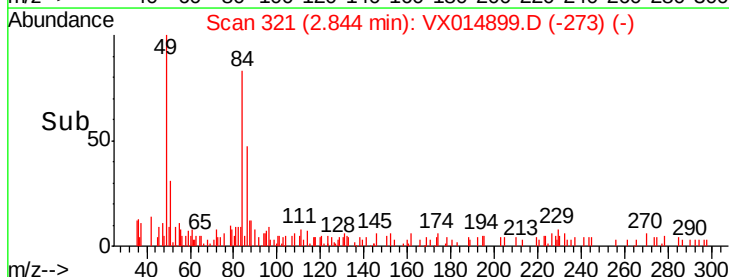
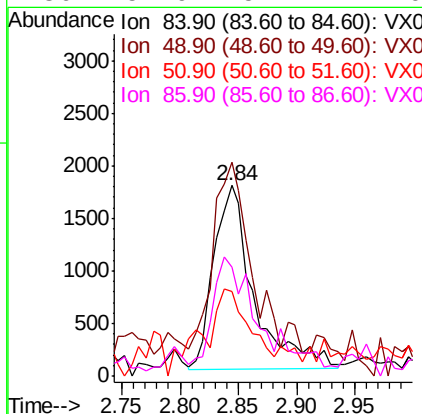
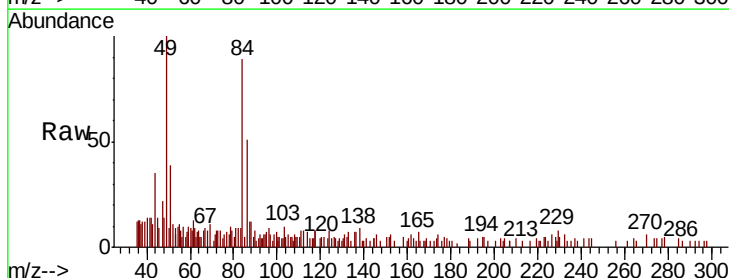
Instrument :
MSVOA_X
ClientSampled :
SOIL-02

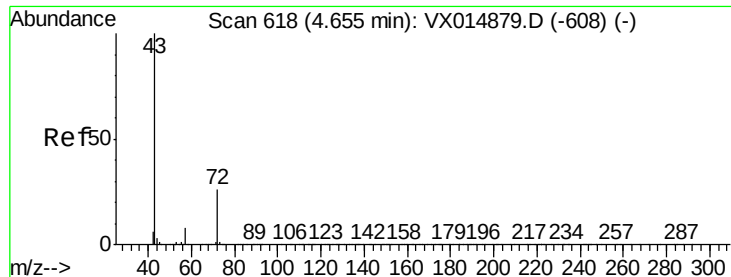
Tot Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
74 27.3 19.4 29.0



#20
Methylene Chloride
Concen: 0.888 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

Tgt Ion: 84 Resp: 4191
Ion Ratio Lower Upper
84 100
49 104.3 95.6 143.4
51 33.5 29.0 43.6
86 54.9 51.4 77.0





#25

2-Butanone

Concen: 2.288 ug/l

RT: 4.72 min Scan# 628

Delta R.T. 0.06 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

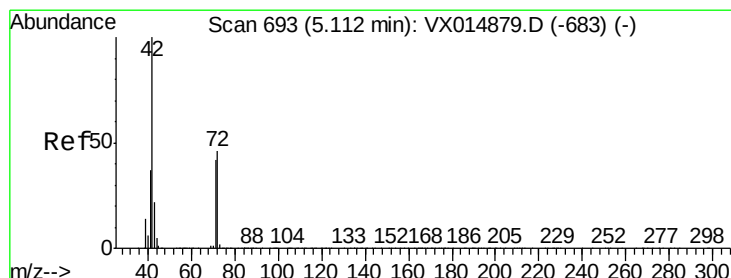
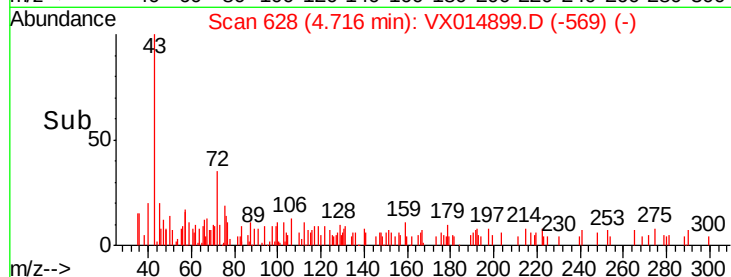
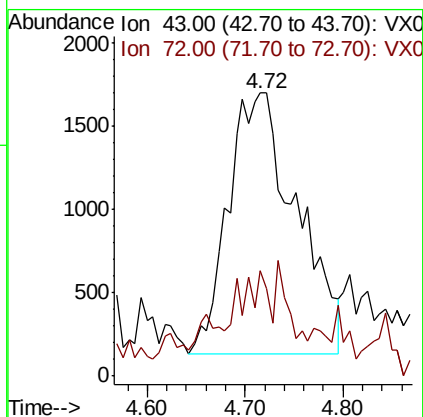
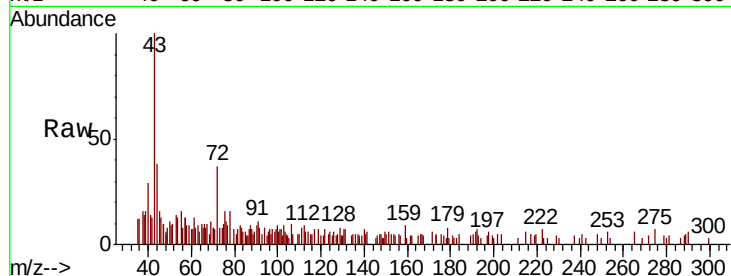
SOIL-02

Tot Ion: 43 Resp: 7643

Ion Ratio Lower Upper

43 100

72 30.5 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 5.09 min Scan# 690

Delta R.T. -0.02 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

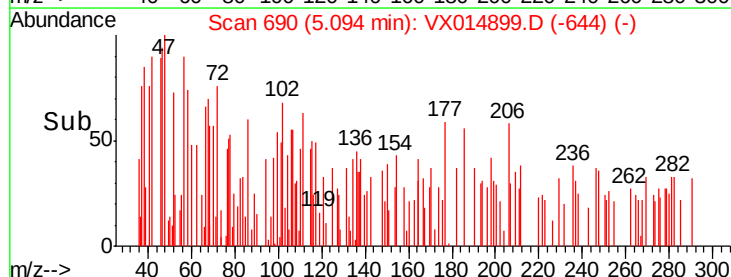
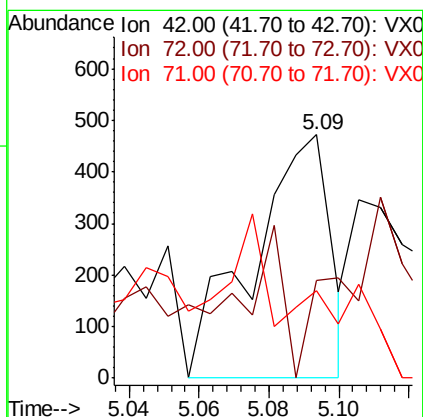
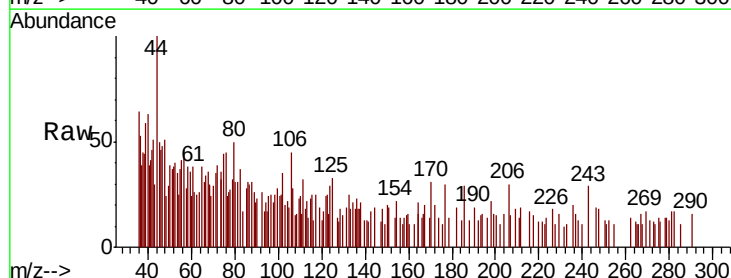
Tgt Ion: 42 Resp: 726

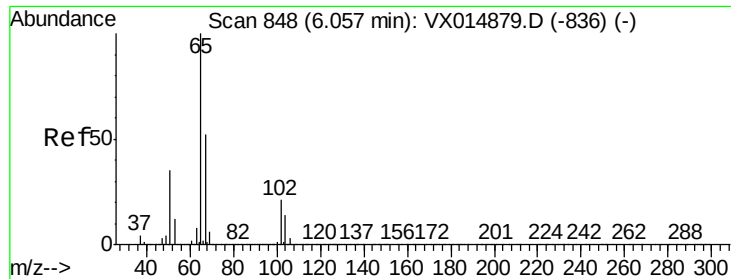
Ion Ratio Lower Upper

42 100

72 72.9 36.9 55.3#

71 0.0 34.1 51.1#

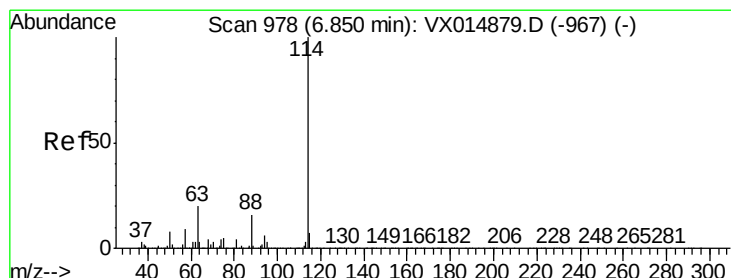
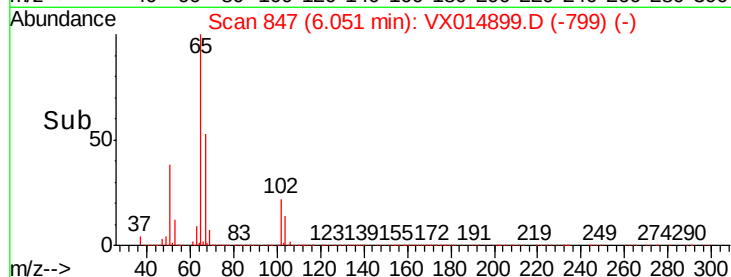
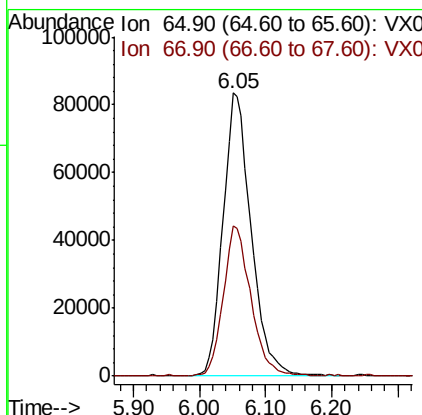
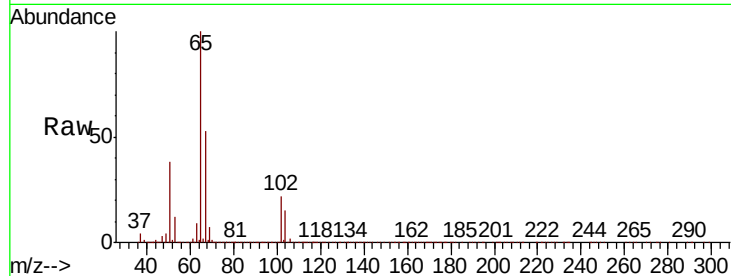




#33
 1,2-Dichloroethane-d4
 Concen: 49.813 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014899.D
 Acq: 10 Feb 2020 19:31

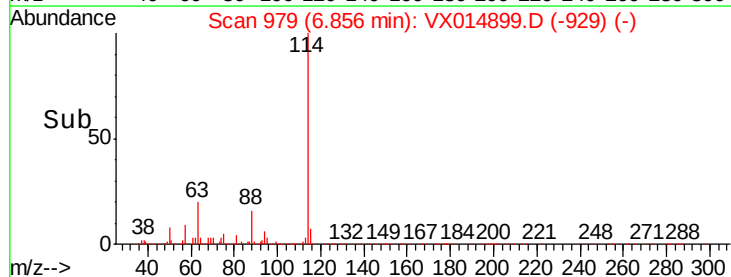
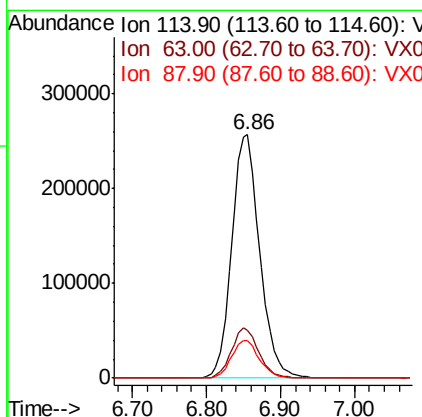
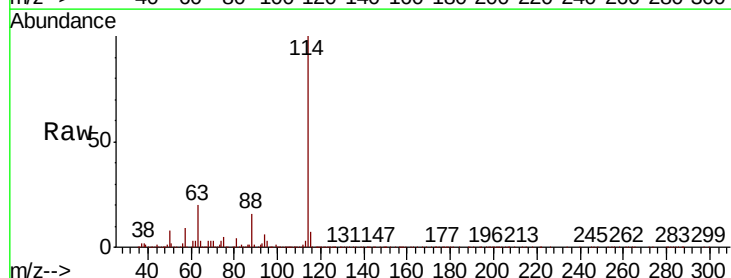
Instrument :
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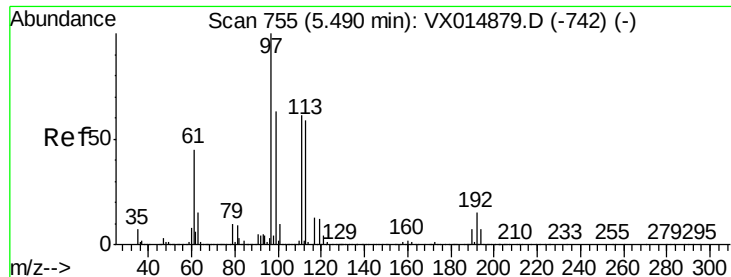
Tot Ion: 65 Resp: 244442
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX014899.D
 Acq: 10 Feb 2020 19:31

Tgt Ion: 114 Resp: 673103
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.971 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

SOIL-02

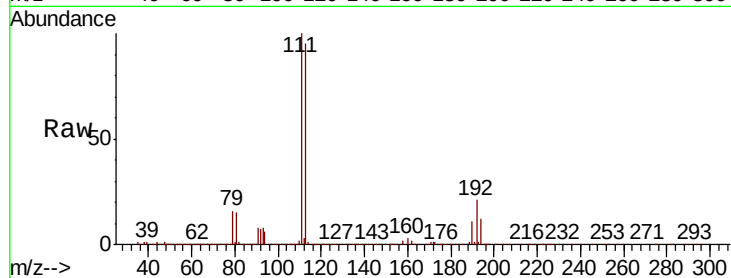
Tot Ion:113 Resp: 194368

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

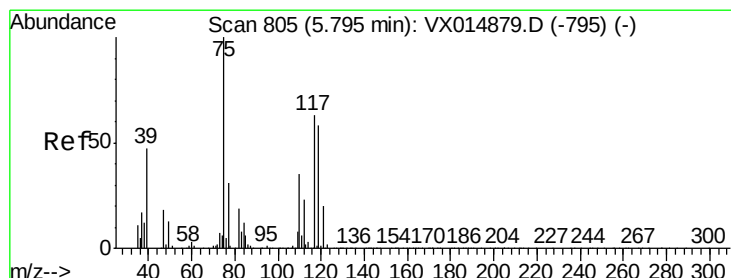
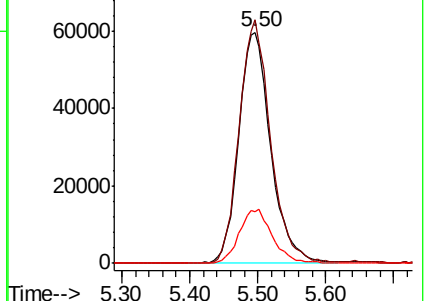
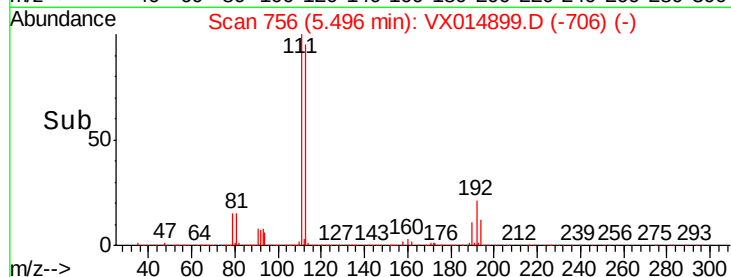
192 23.9 19.1 28.7



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: 4.854 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

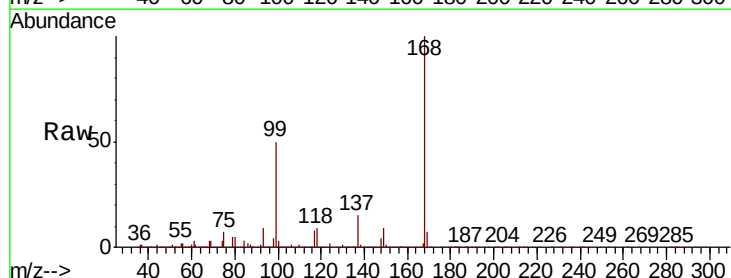
Tgt Ion: 75 Resp: 29225

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

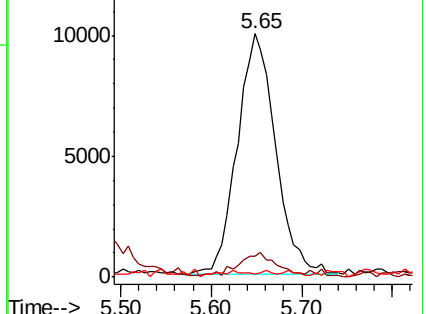
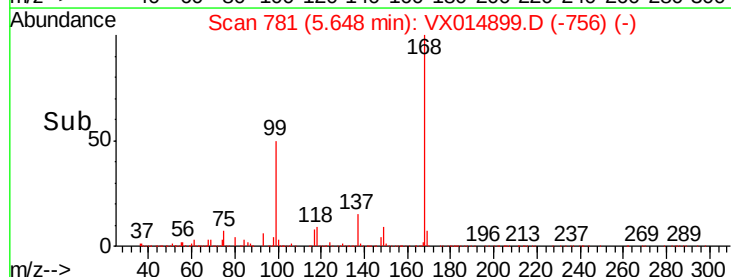
77 0.8 24.6 36.8#

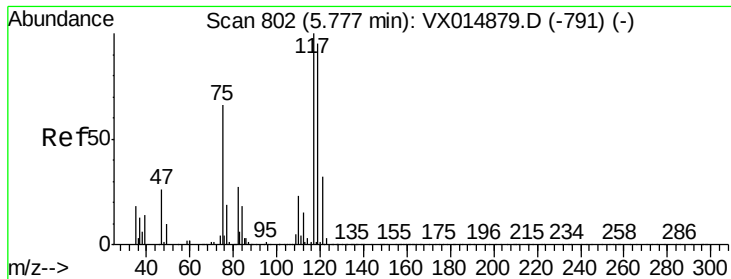


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.284 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

SOIL-02

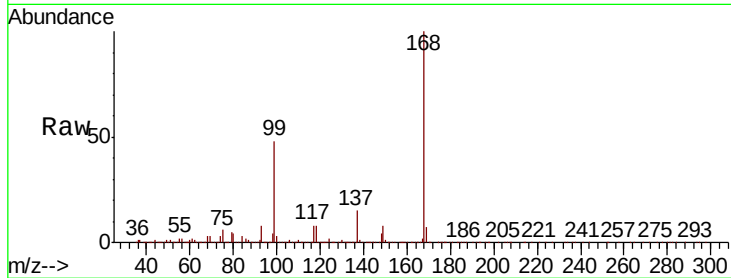
Tot Ion:117 Resp: 36872

Ion Ratio Lower Upper

117 100

119 2.6 76.0 114.0#

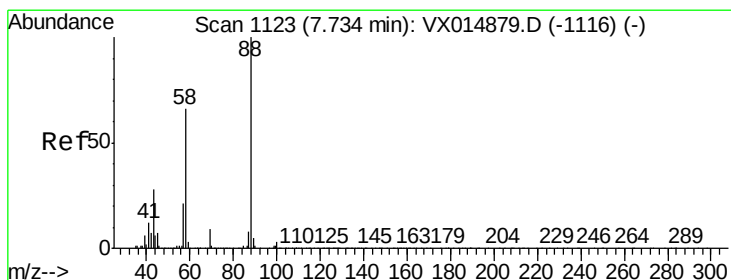
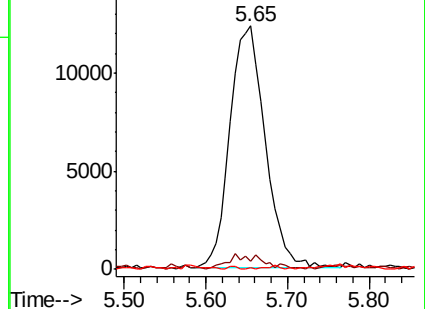
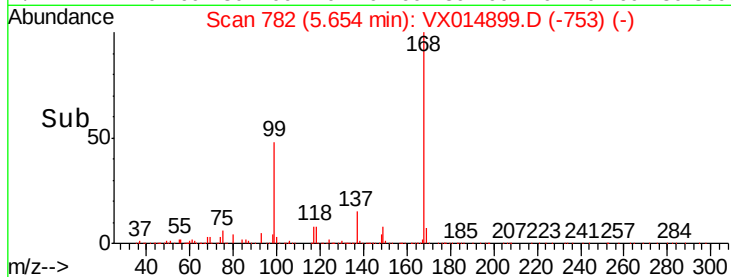
121 0.0 25.4 38.2#



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



#49

1,4-Dioxane

Concen: 5.550 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

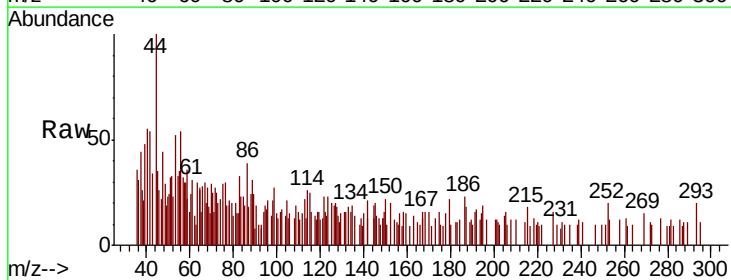
Tgt Ion: 88 Resp: 529

Ion Ratio Lower Upper

88 100

43 109.3 27.0 40.4#

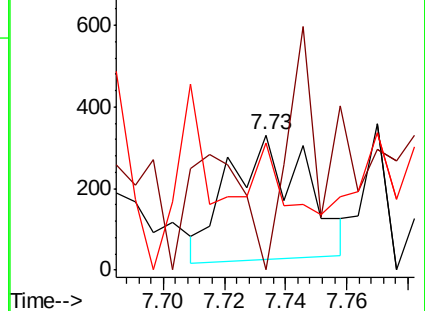
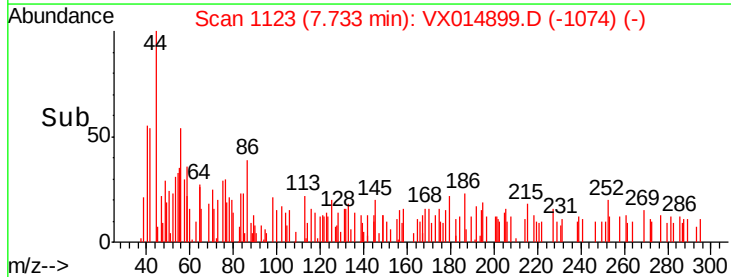
58 52.0 53.2 79.8#

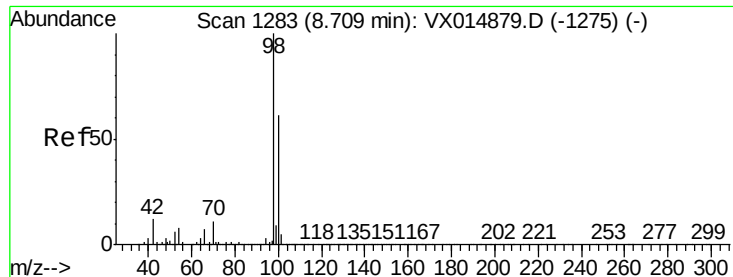


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.050 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Instrument :

MSVOA_X

ClientSampleId :

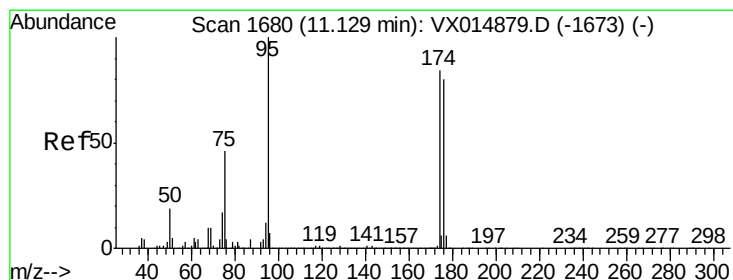
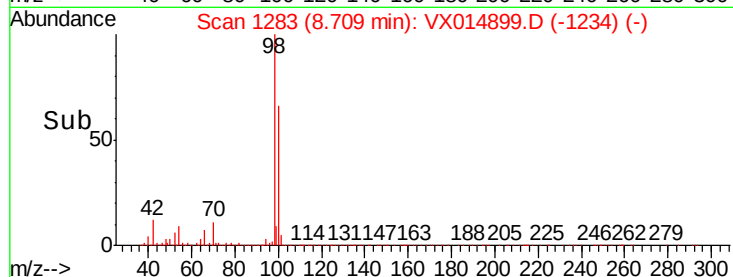
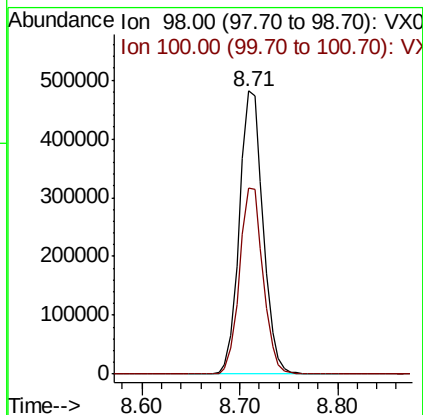
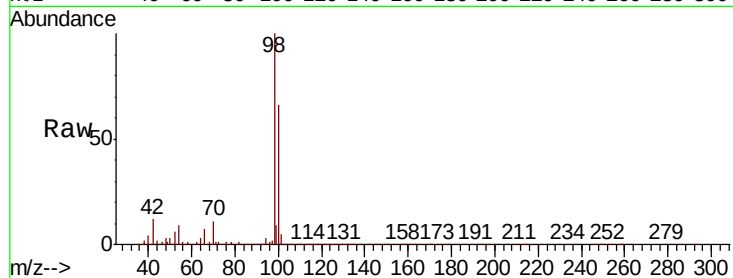
SOIL-02

Tot Ion: 98 Resp: 806362

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 55.591 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

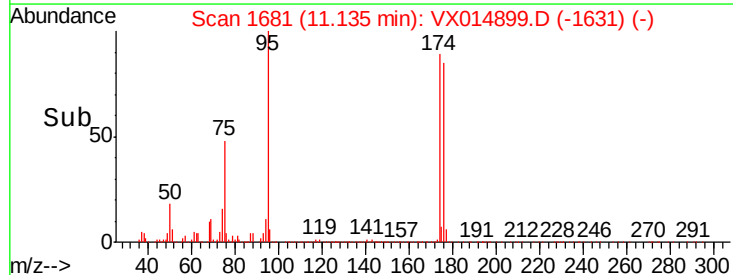
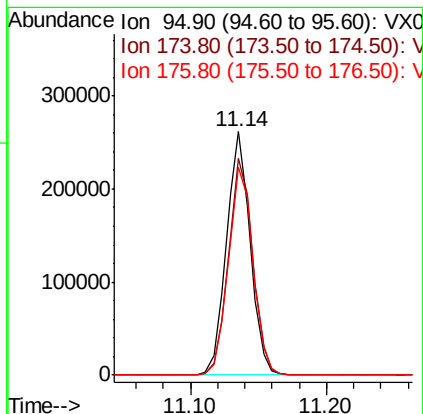
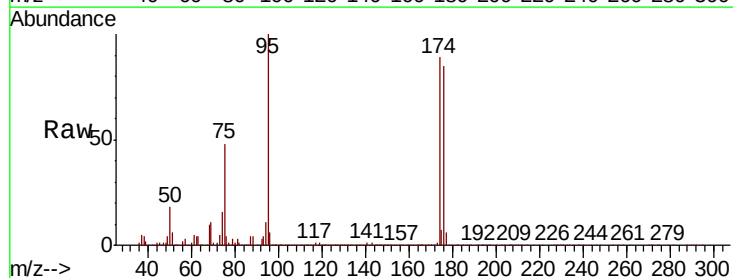
Tgt Ion: 95 Resp: 316311

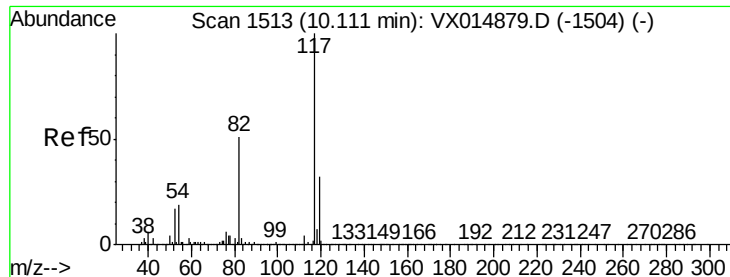
Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.0

176 88.7 0.0 178.0

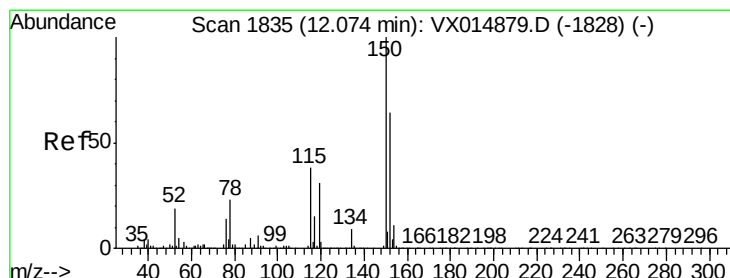
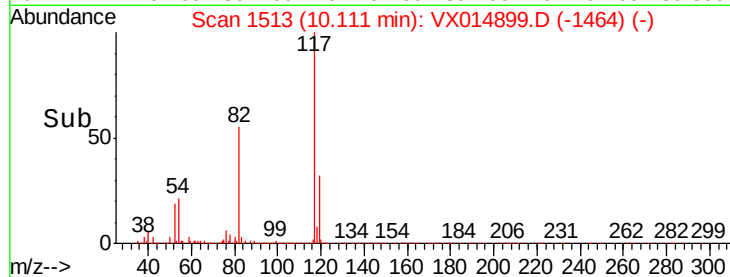
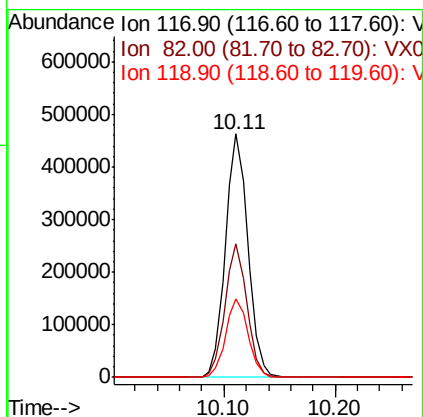
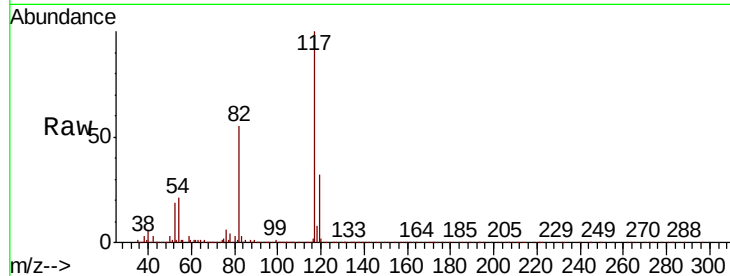




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

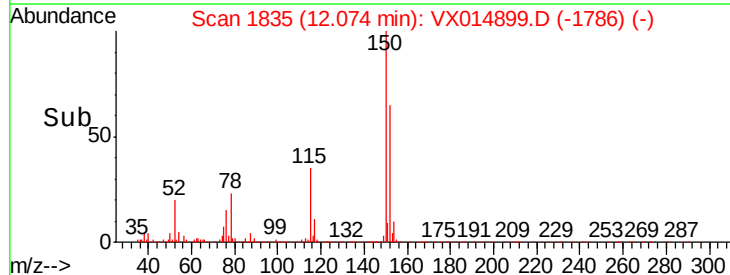
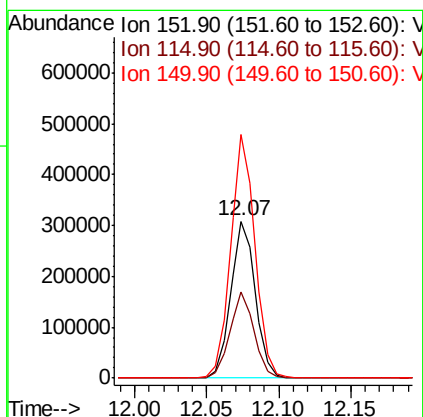
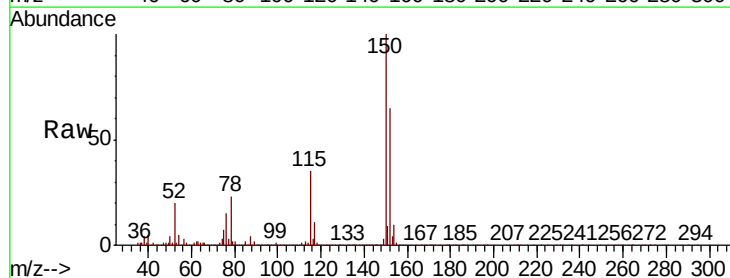
Instrument :
MSVOA_X
ClientSampleId :
SOIL-02

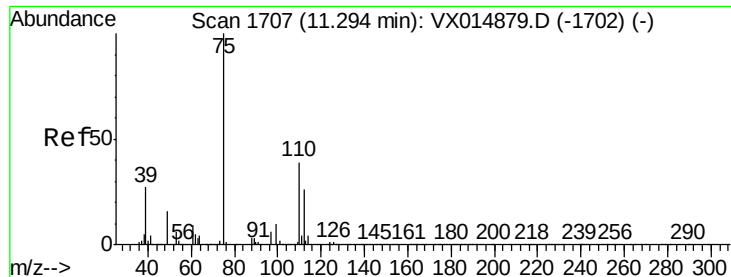
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	40.5	60.7
119	32.1	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014899.D
Acq: 10 Feb 2020 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	38.6	116.0
150	153.4	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 23.147 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Instrument :

MSVOA_X

ClientSampled :

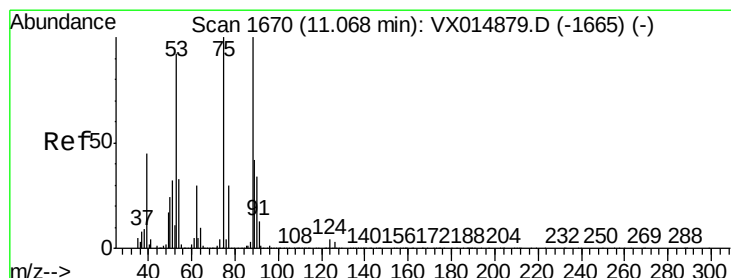
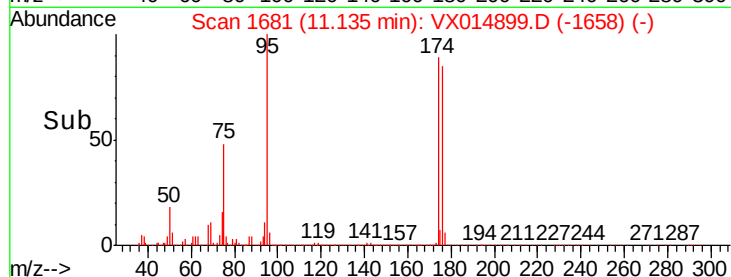
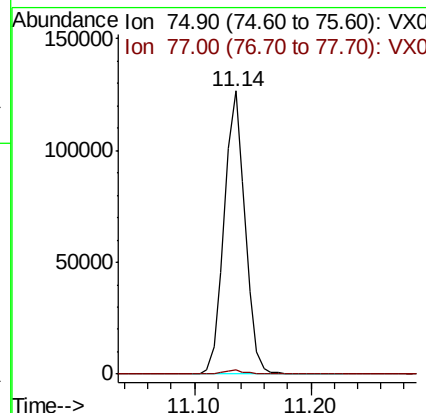
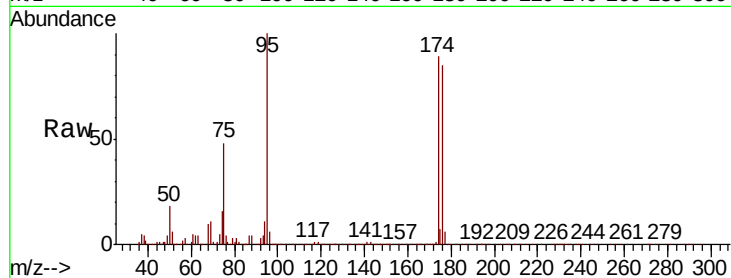
SOIL-02

Tot Ion: 75 Resp: 154477

Ion Ratio Lower Upper

75 100

77 1.5 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.249 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014899.D

Acq: 10 Feb 2020 19:31

Tgt Ion: 75 Resp: 154477

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.2 35.8 53.6#

