

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080223\
 Data File : VX036772.D
 Acq On : 02 Aug 2023 15:53
 Operator : JC/MD
 Sample : 03854-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BERGENFIELD-SOIL-COMP

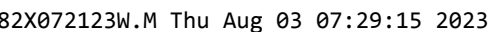
Quant Time: Aug 03 07:29:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

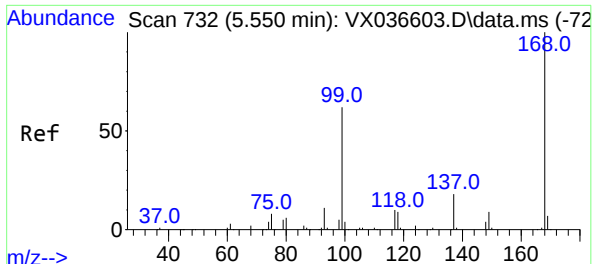
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	139318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95256	46.209	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.420%		
35) Dibromofluoromethane	5.385	113	81557	47.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.320%		
50) Toluene-d8	8.647	98	301962	49.233	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.460%		
62) 4-Bromofluorobenzene	11.079	95	111822	48.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.640%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	559	1.145	ug/l #	88
13) Acrolein	2.227	56	285	1.023	ug/l #	14
16) Acetone	2.380	43	39642	46.343	ug/l	94
18) Methyl Acetate	2.709	43	2636	0.733	ug/l #	89
20) Methylene Chloride	2.788	84	10006	5.260	ug/l	92
25) 2-Butanone	4.562	43	17160	12.364	ug/l	93
29) Tetrahydrofuran	5.025	42	529	0.591	ug/l	91
31) Cyclohexane	5.556	56	3172	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11569	4.488	ug/l #	51
37) Ethyl Acetate	4.721	43	5635	1.931	ug/l #	94
38) Carbon Tetrachloride	5.556	117	14653	5.347	ug/l #	15
41) Methacrylonitrile	5.038	41	474	0.304	ug/l #	25
43) Isopropyl Acetate	6.342	43	130781	26.039	ug/l	96
48) Methyl methacrylate	7.799	41	102397	43.839	ug/l #	49
49) 1,4-Dioxane	7.805	88	154	3.264	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	146193	52.598	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	840	0.258	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	48206	14.050	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	5662	1.721	ug/l #	42
59) 2-Hexanone	9.378	43	113945	55.238	ug/l #	26
74) N-amyl acetate	10.811	43	846	0.219	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	58252	24.710	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58252	56.007	ug/l #	5

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

Quant Time: Aug 03 07:29:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

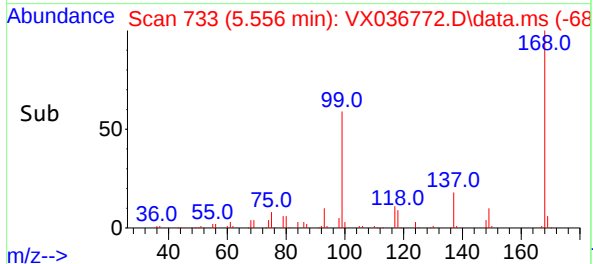
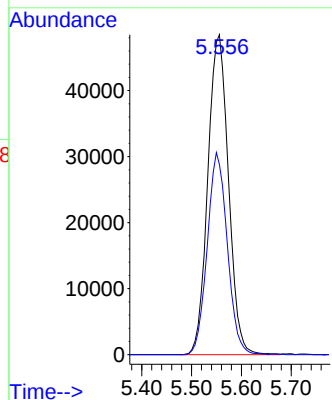
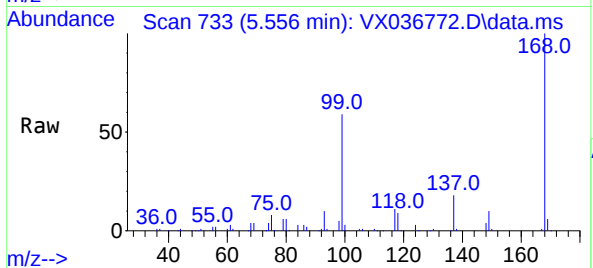




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

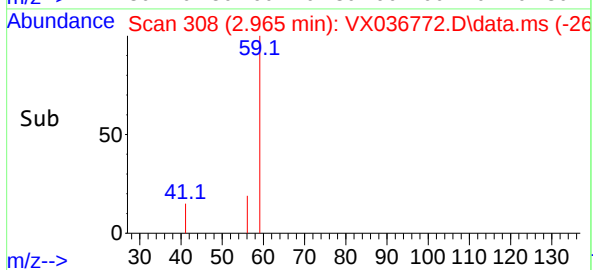
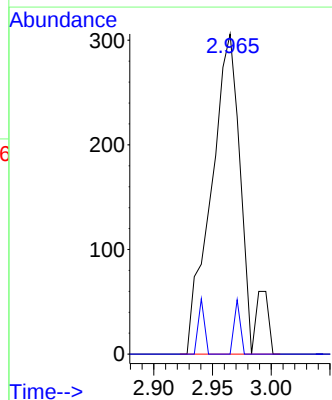
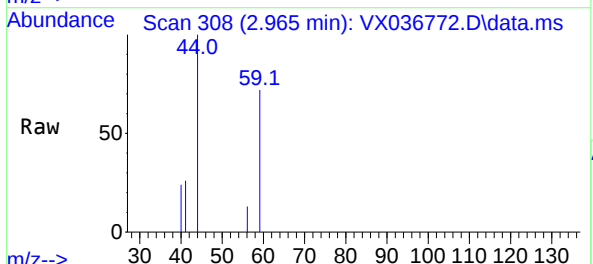
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

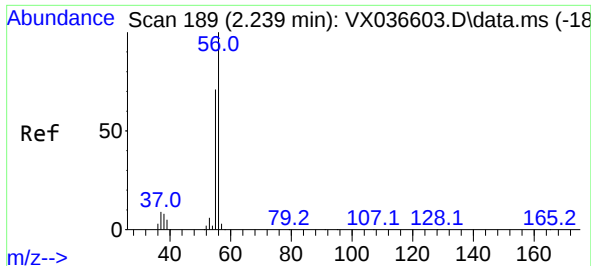
Tgt Ion:168 Resp: 139318
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.145 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 3.4 6.0 9.0#

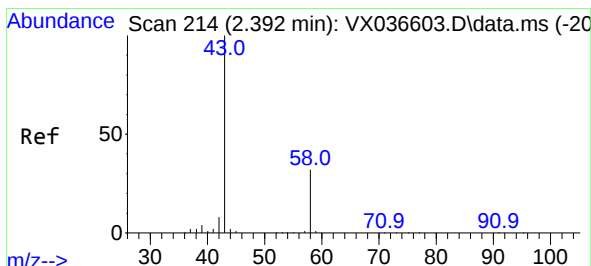
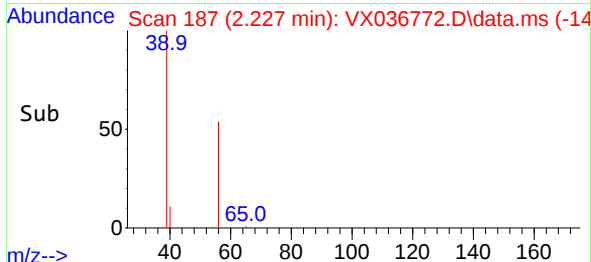
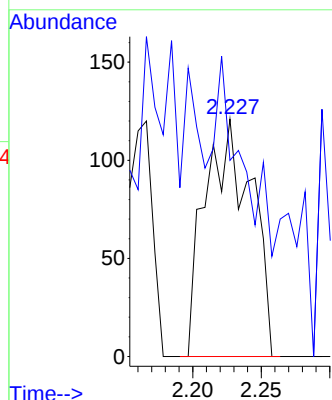
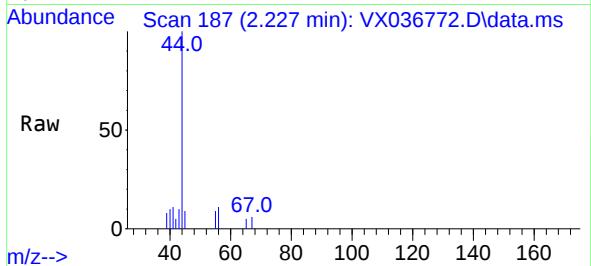




#13
Acrolein
Concen: 1.023 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

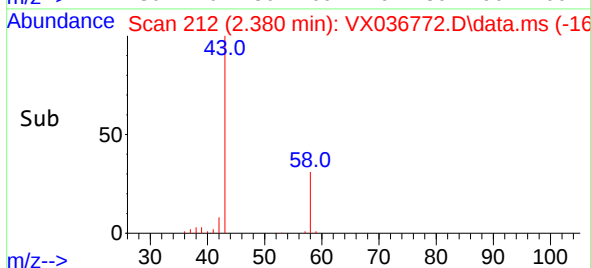
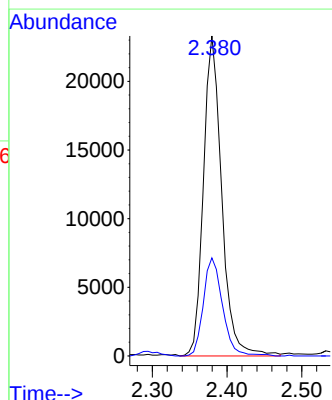
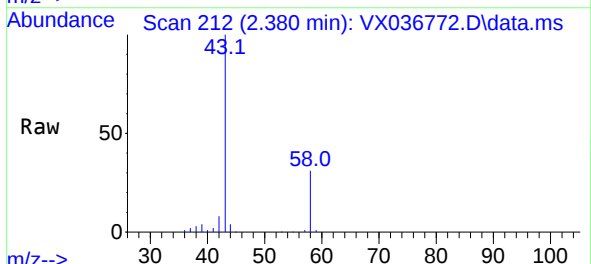
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

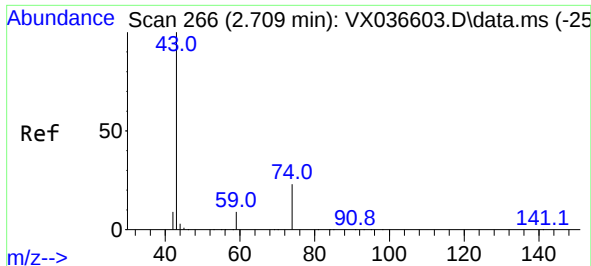
Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 46.343 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 43 Resp: 39642
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9

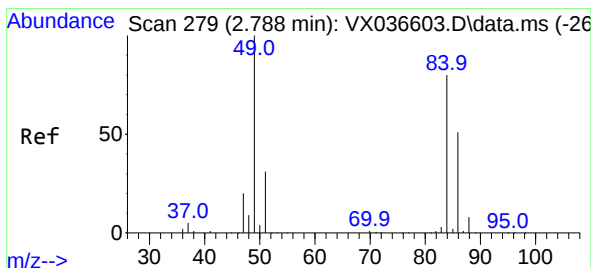
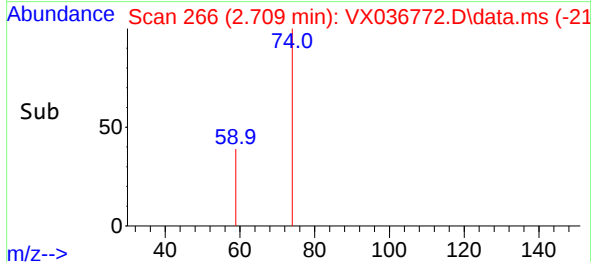
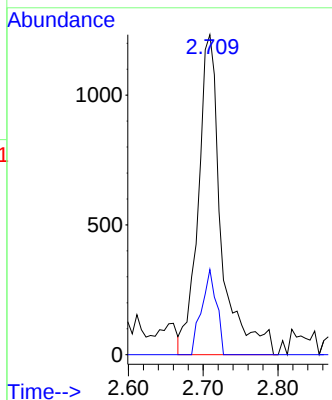
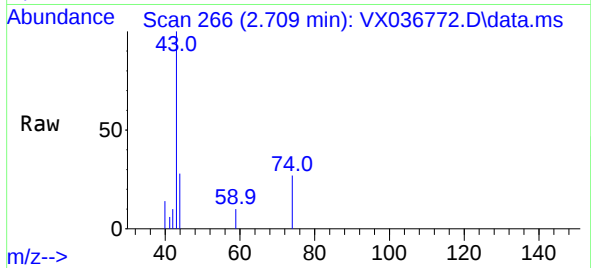




#18
Methyl Acetate
Concen: 0.733 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

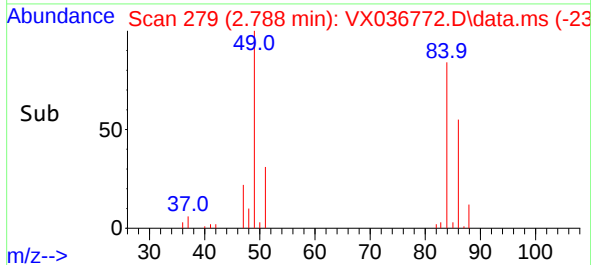
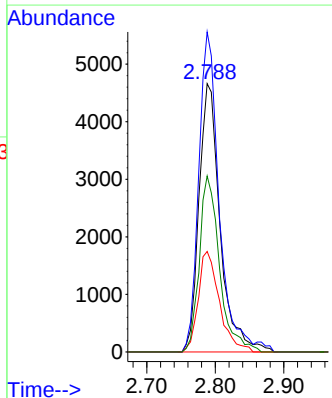
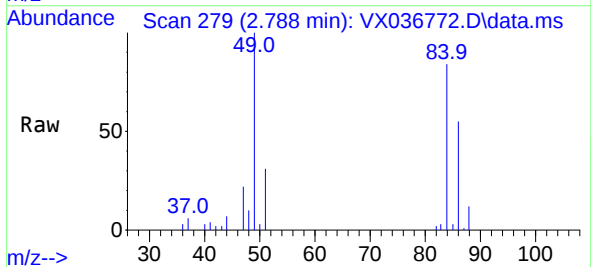
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

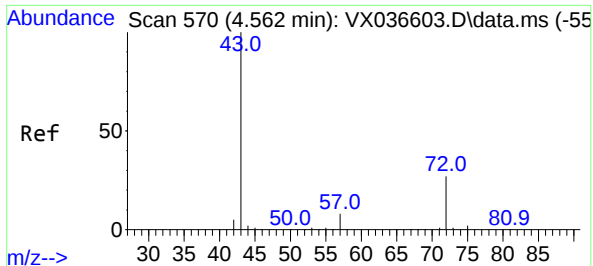
Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
74 17.1 17.8 26.8#



#20
Methylene Chloride
Concen: 5.260 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 84 Resp: 10006
Ion Ratio Lower Upper
84 100
49 119.3 103.6 155.4
51 37.4 33.8 50.6
86 65.6 49.4 74.0





#25

2-Butanone

Concen: 12.364 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX036772.D

Acq: 02 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

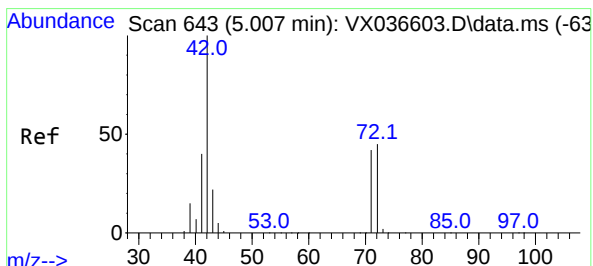
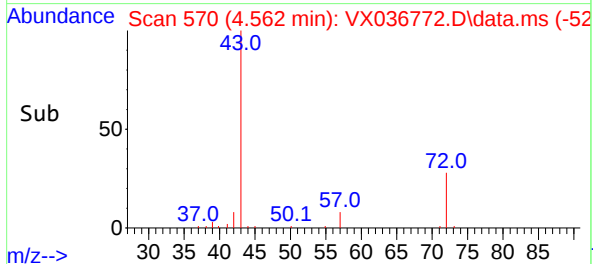
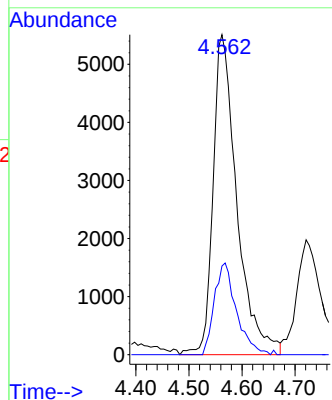
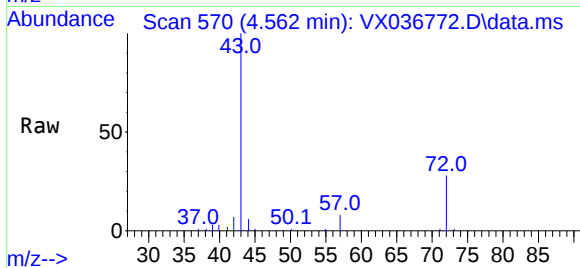
BERGENFIELD-SOIL-COMP

Tgt Ion: 43 Resp: 17160

Ion Ratio Lower Upper

43 100

72 27.7 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.591 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX036772.D

Acq: 02 Aug 2023 15:53

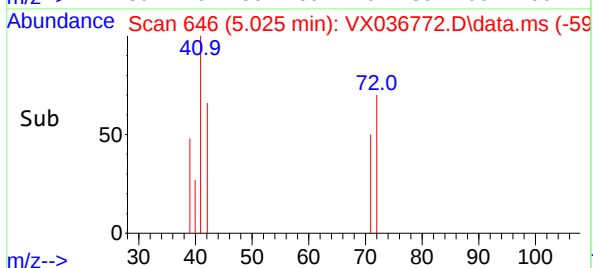
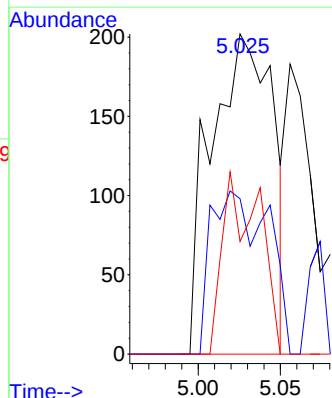
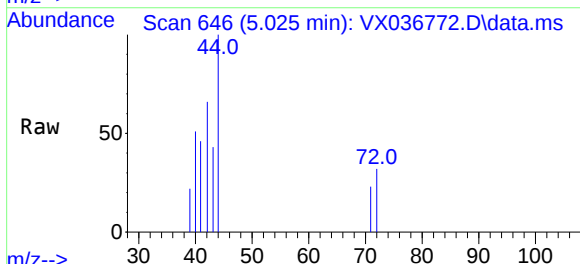
Tgt Ion: 42 Resp: 529

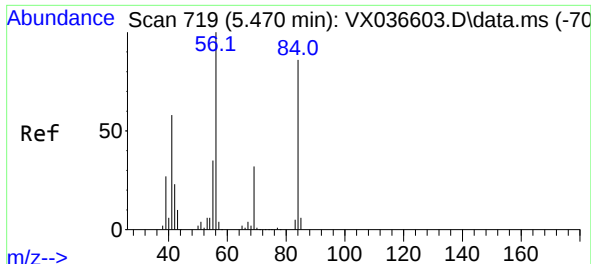
Ion Ratio Lower Upper

42 100

72 47.1 34.2 51.4

71 33.6 32.2 48.2

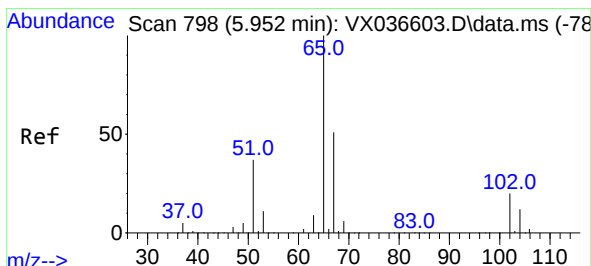
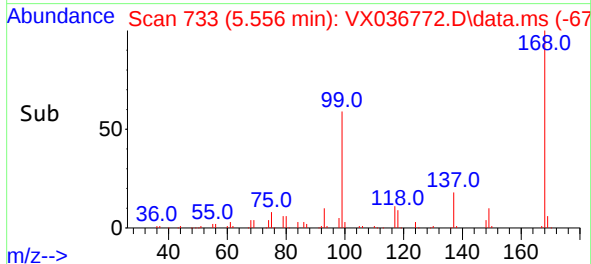
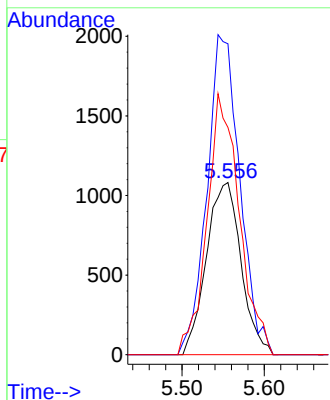
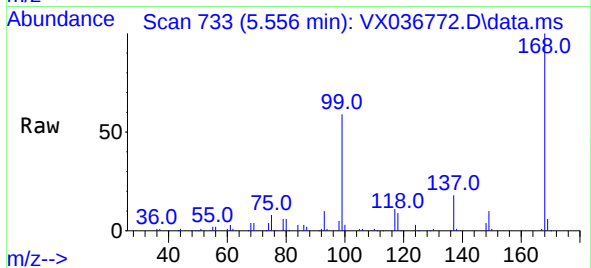




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

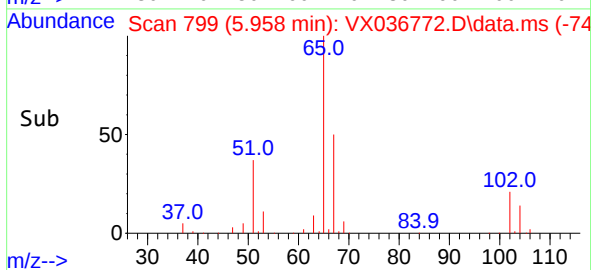
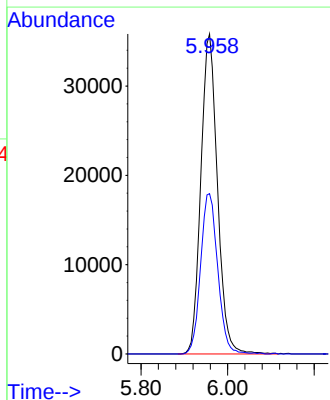
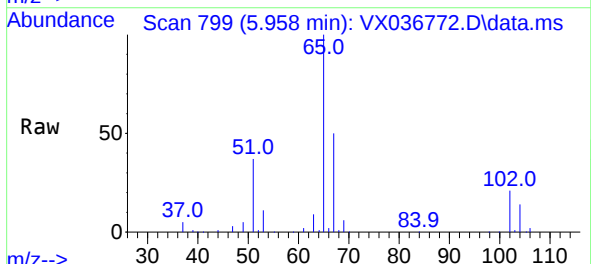
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

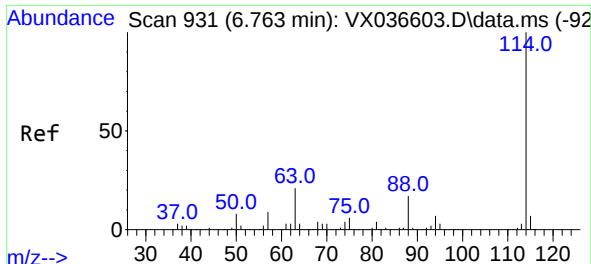
Tgt Ion: 56 Resp: 3172
Ion Ratio Lower Upper
56 100
69 180.5 23.4 35.2#
84 131.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.209 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 65 Resp: 95256
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

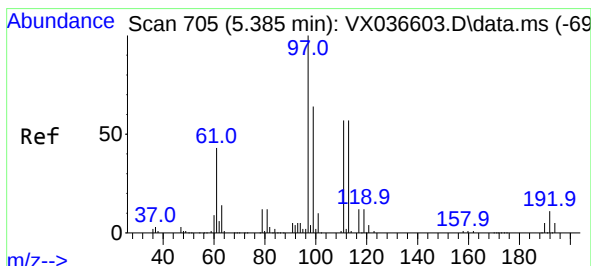
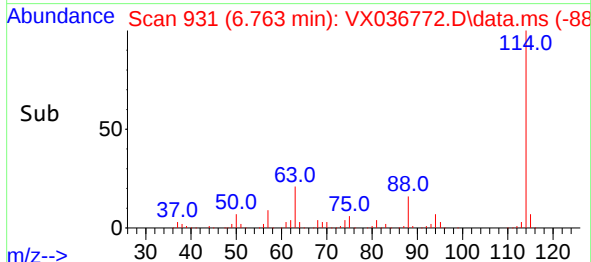
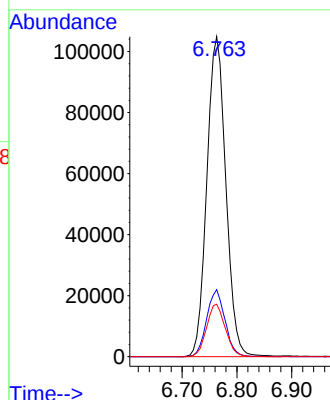
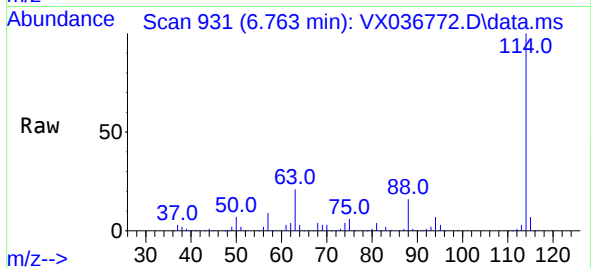




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

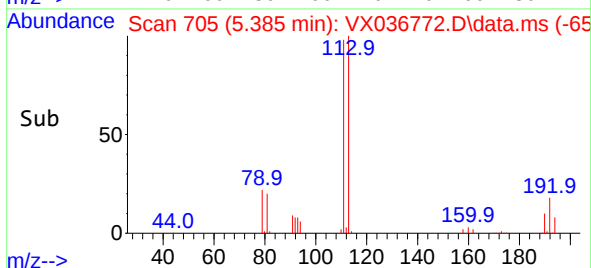
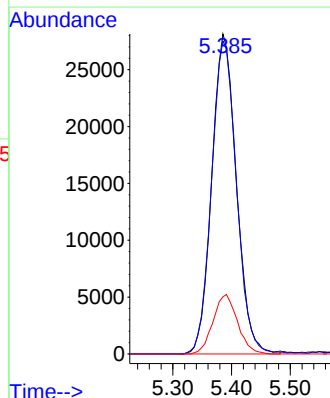
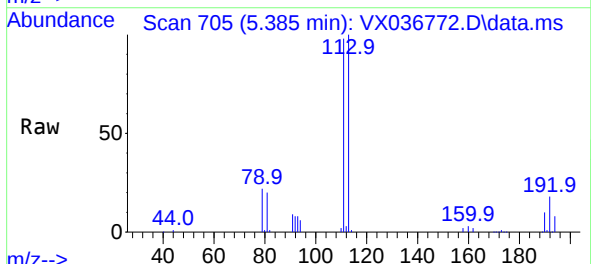
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

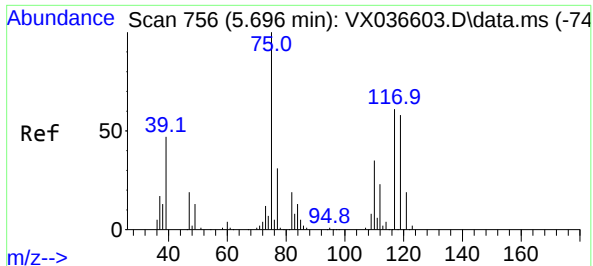
Tgt Ion:114 Resp: 251626
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.155 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion:113 Resp: 81557
Ion Ratio Lower Upper
113 100
111 99.4 82.9 124.3
192 18.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX036772.D

Acq: 02 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

BERGENFIELD-SOIL-COMP

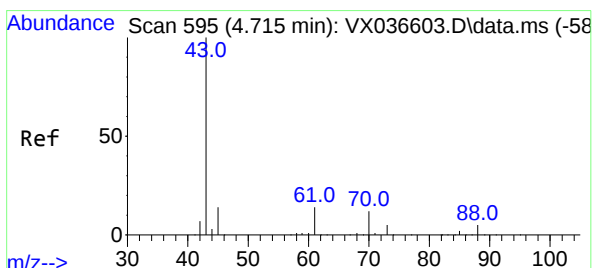
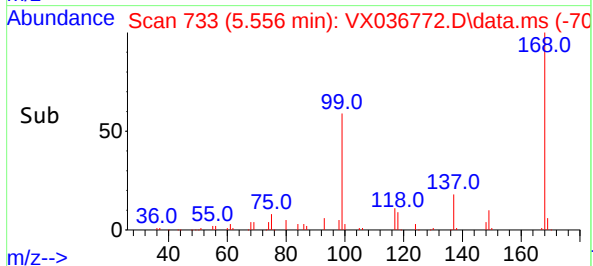
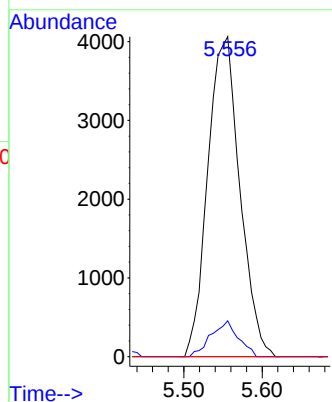
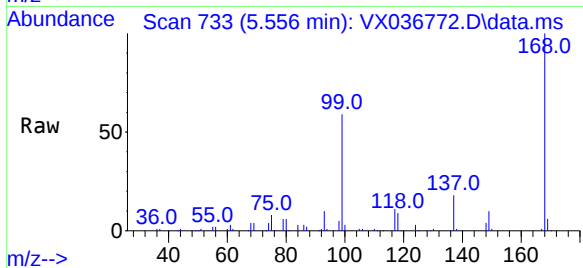
Tgt Ion: 75 Resp: 11569

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.931 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX036772.D

Acq: 02 Aug 2023 15:53

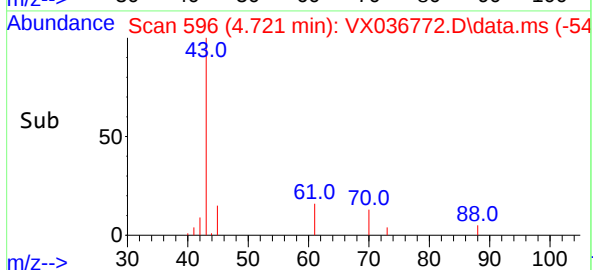
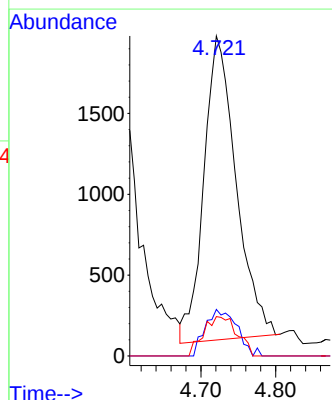
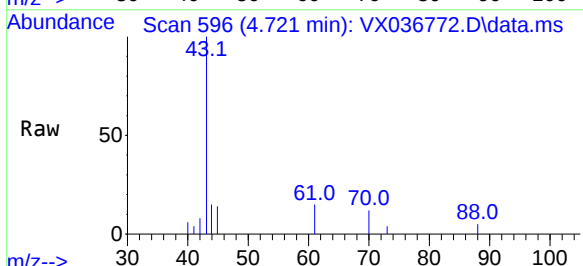
Tgt Ion: 43 Resp: 5635

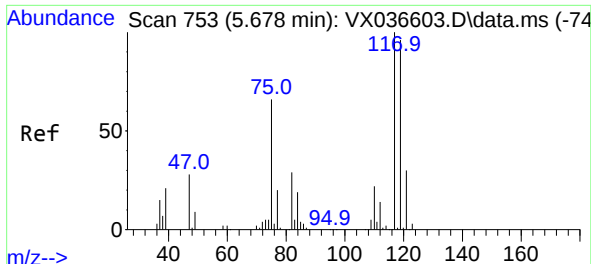
Ion Ratio Lower Upper

43 100

61 15.0 10.6 16.0

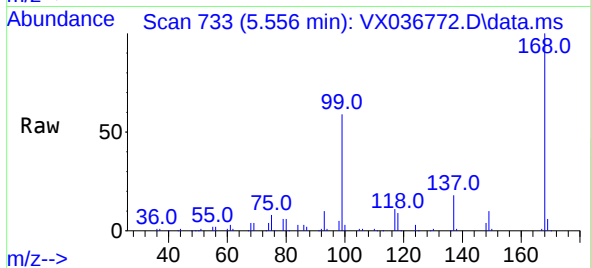
70 13.5 8.3 12.5#



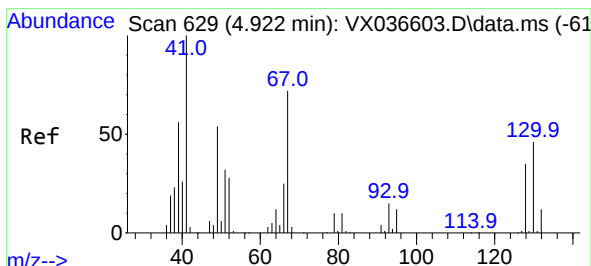
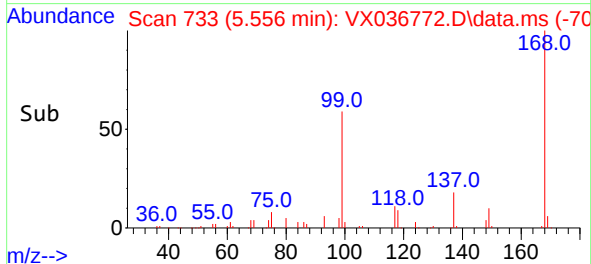
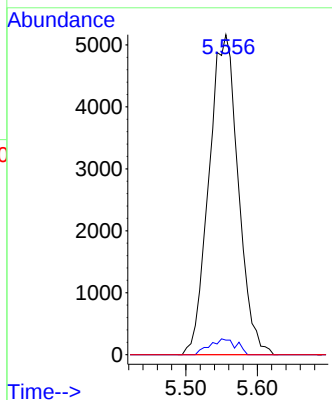


#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

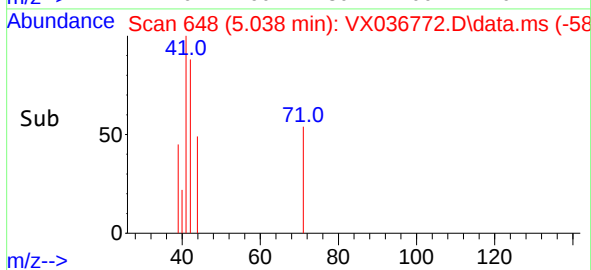
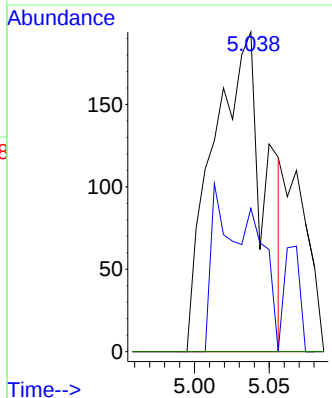
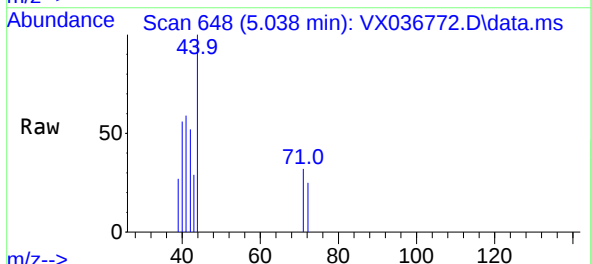


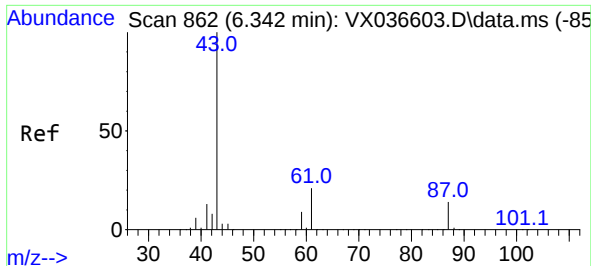
Tgt Ion:117 Resp: 14653
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.304 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 41 Resp: 474
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

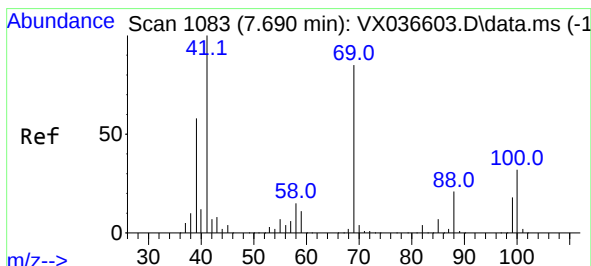
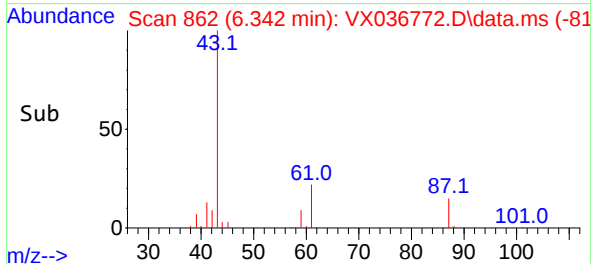
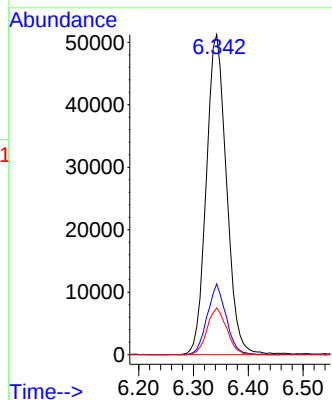
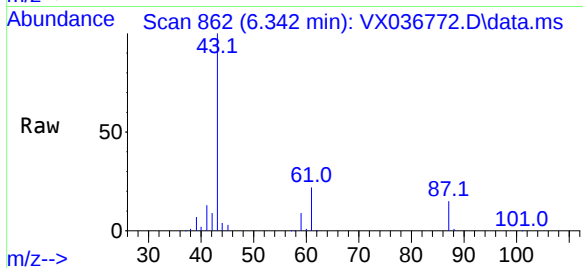




#43
Isopropyl Acetate
Concen: 26.039 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

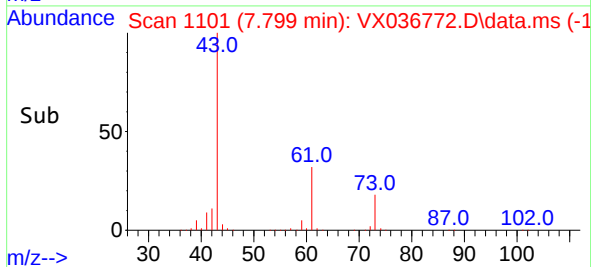
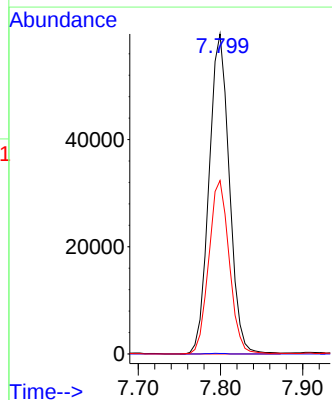
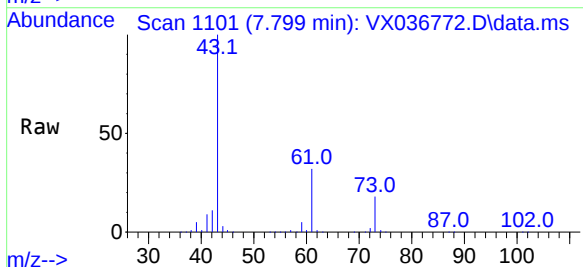
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

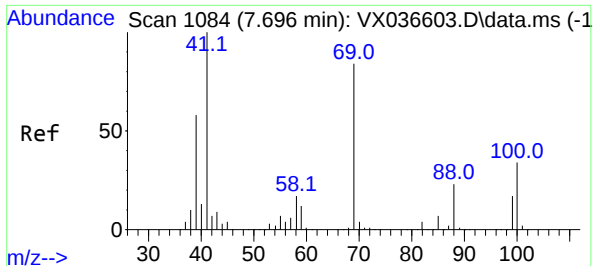
Tgt Ion: 43 Resp: 130781
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 14.2 9.8 14.6



#48
Methyl methacrylate
Concen: 43.839 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 41 Resp: 102397
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.8 47.7 71.5

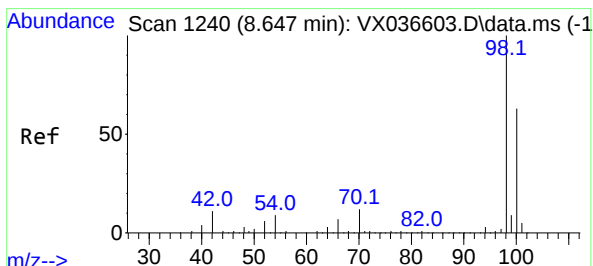
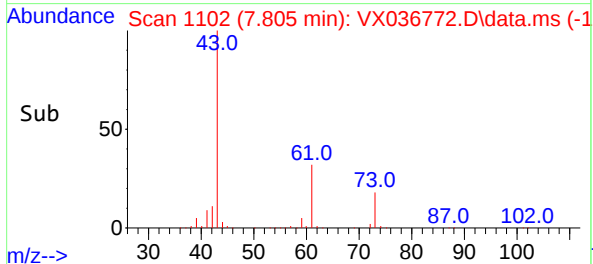
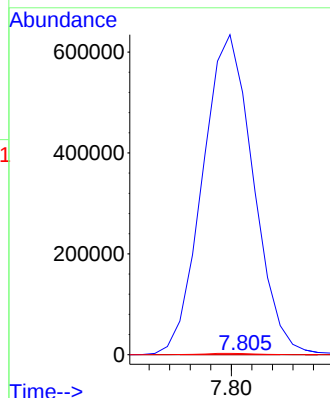
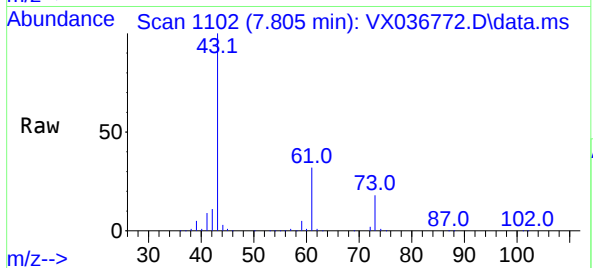




#49
1,4-Dioxane
Concen: 3.264 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

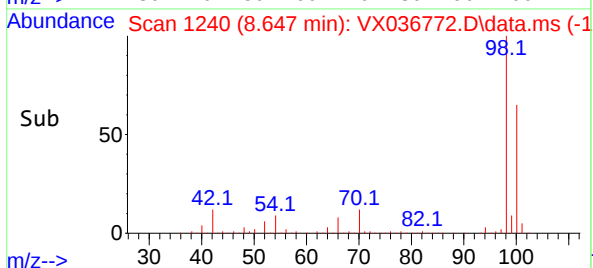
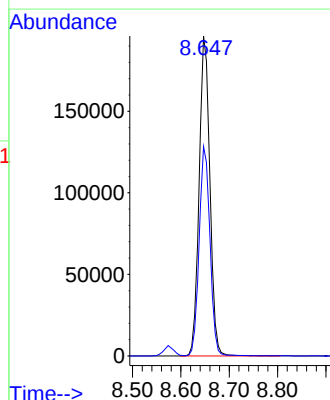
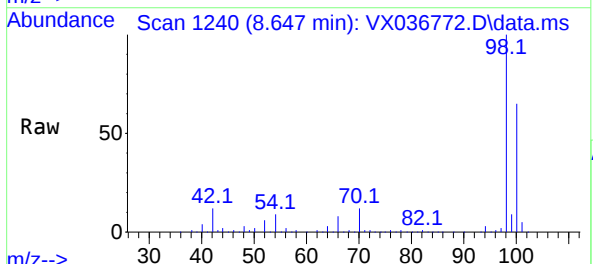
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

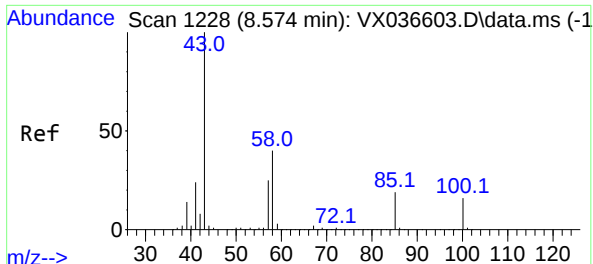
Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 712654.5 0.0 0.0#
58 2861.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.233 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 98 Resp: 301962
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 52.598 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX036772.D

Acq: 02 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

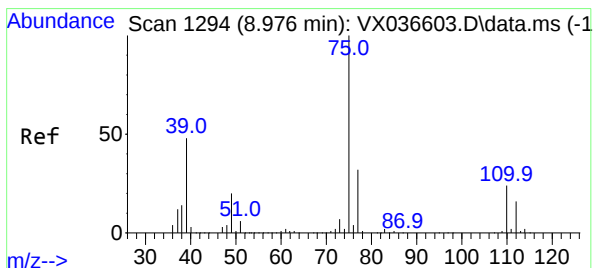
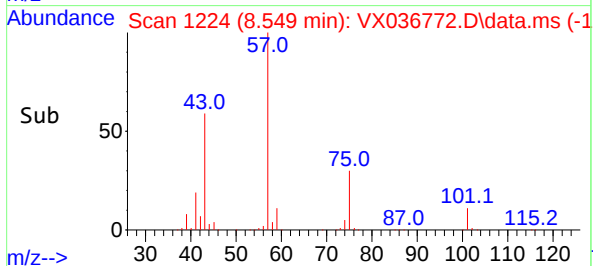
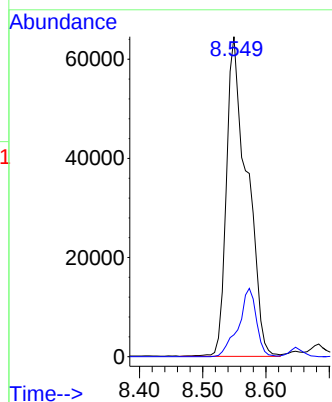
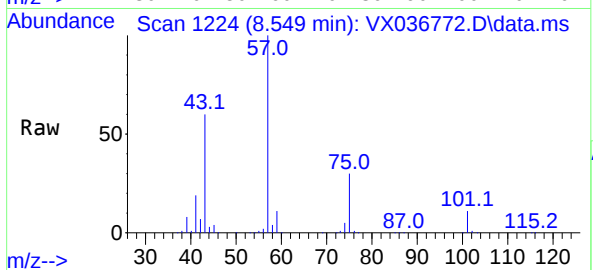
BERGENFIELD-SOIL-COMP

Tgt Ion: 43 Resp: 146193

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.258 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX036772.D

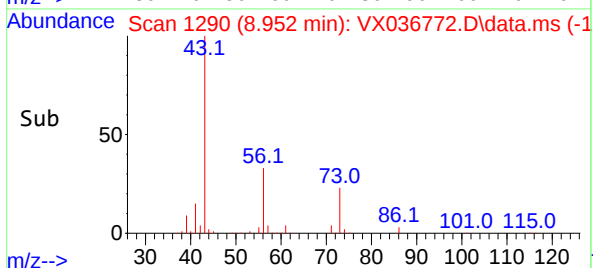
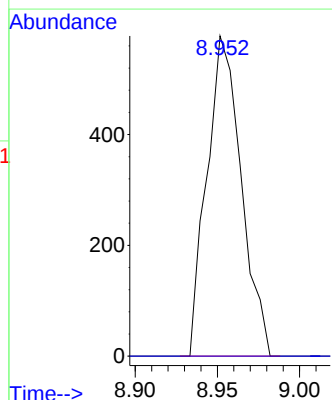
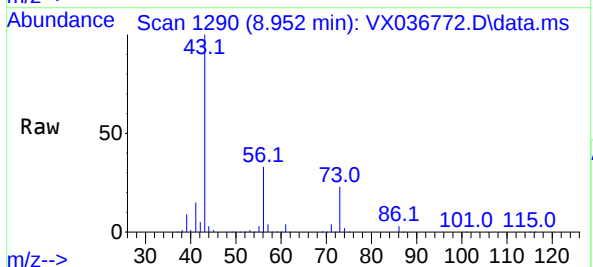
Acq: 02 Aug 2023 15:53

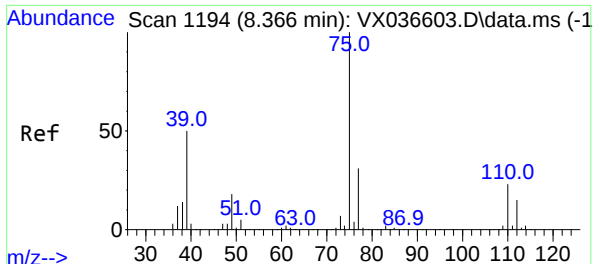
Tgt Ion: 75 Resp: 840

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

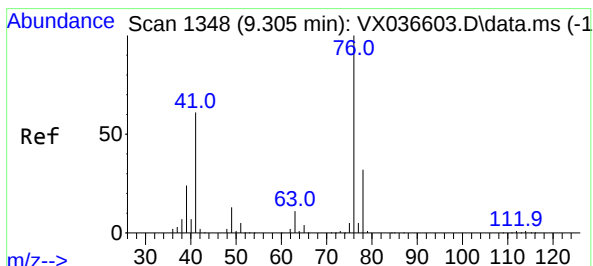
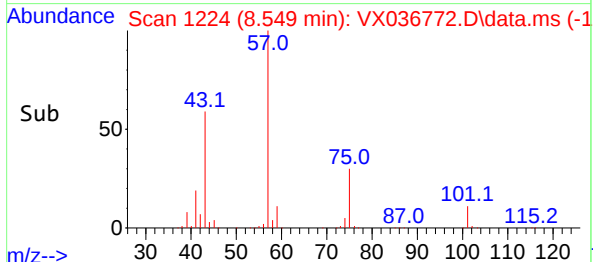
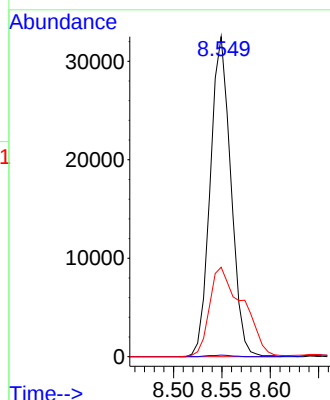
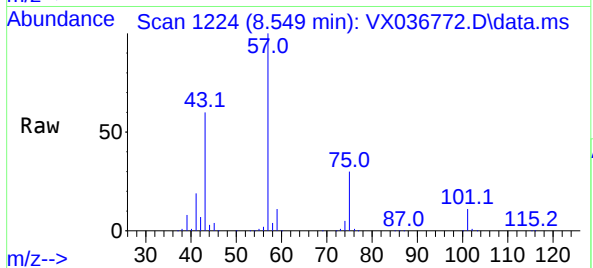




#54
cis-1,3-Dichloropropene
Concen: 14.050 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

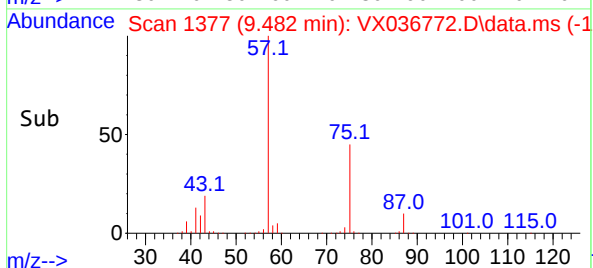
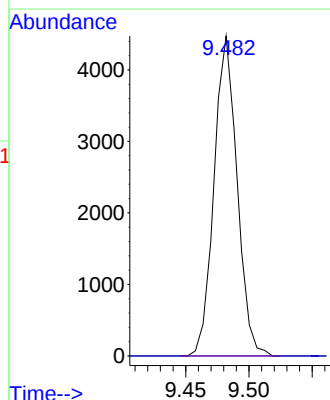
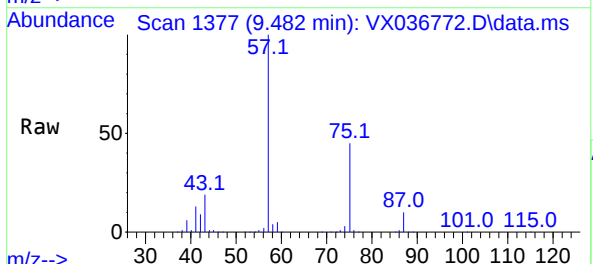
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

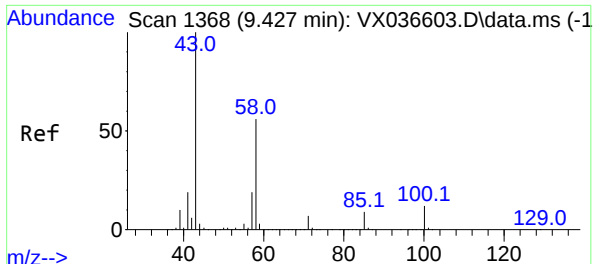
Tgt Ion: 75 Resp: 48206
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 27.9 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.721 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 76 Resp: 5662
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

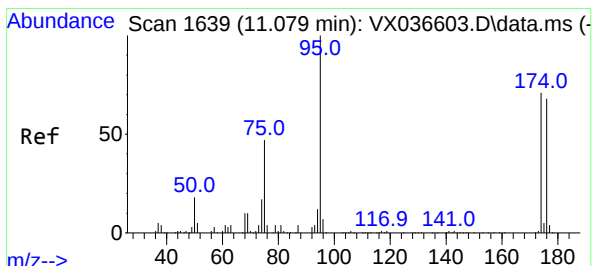
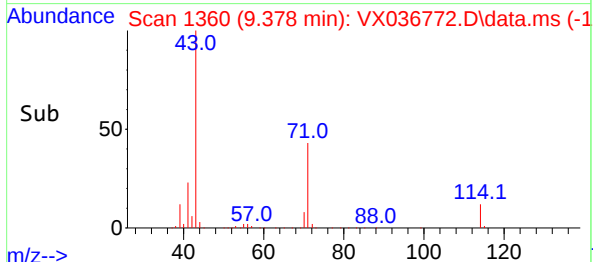
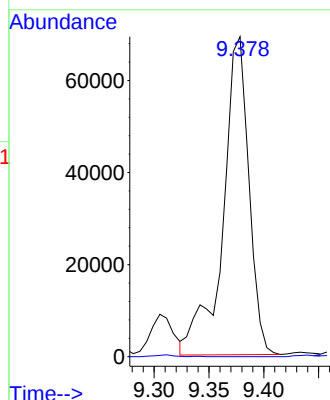
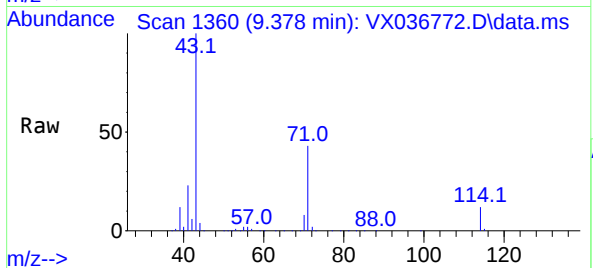




#59
2-Hexanone
Concen: 55.238 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

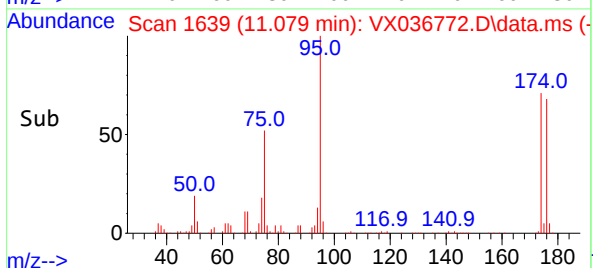
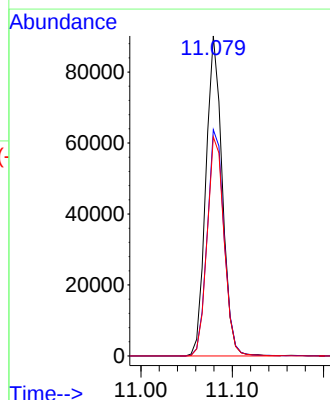
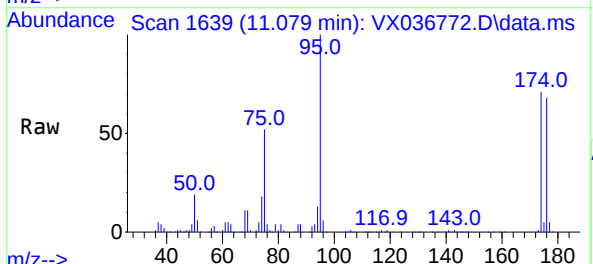
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

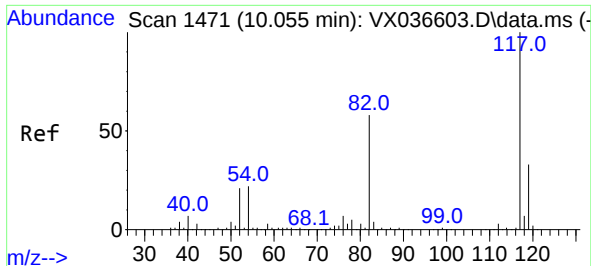
Tgt Ion: 43 Resp: 113945
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 95 Resp: 111822
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 70.9 0.0 131.0

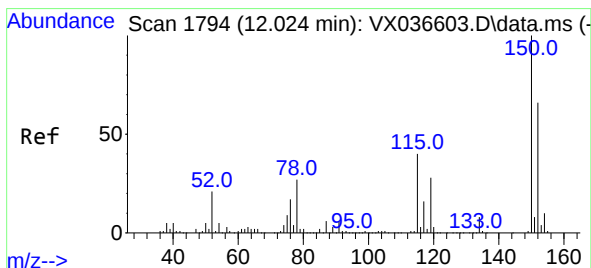
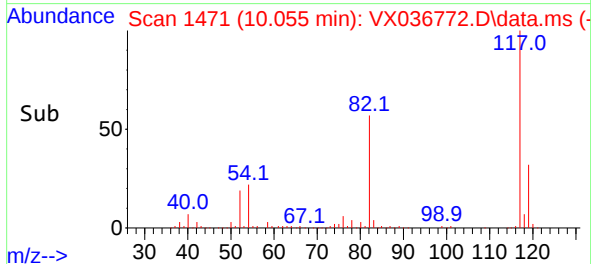
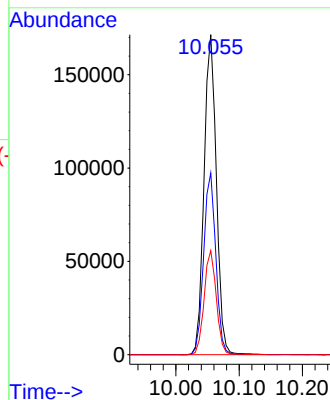
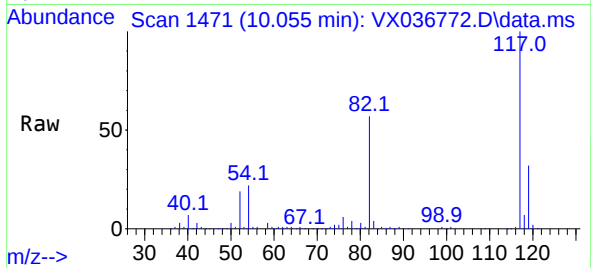




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

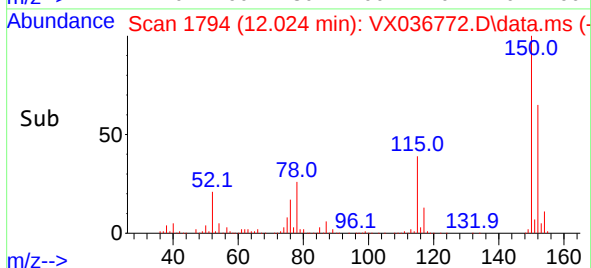
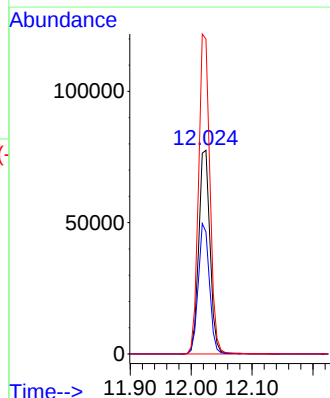
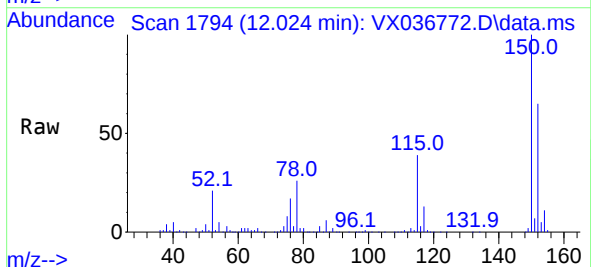
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

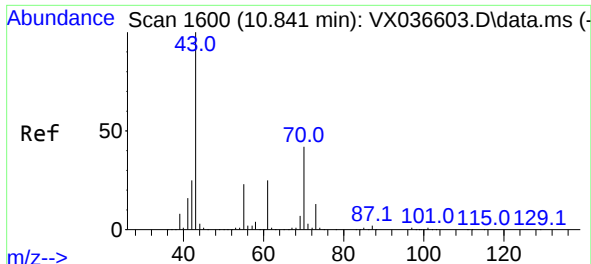
Tgt Ion:117 Resp: 232787
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion:152 Resp: 100225
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 157.2 0.0 345.0

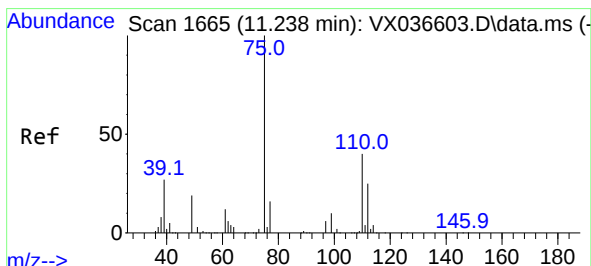
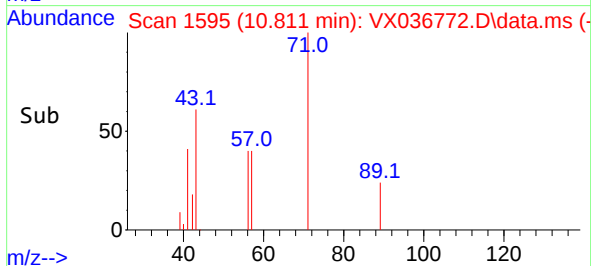
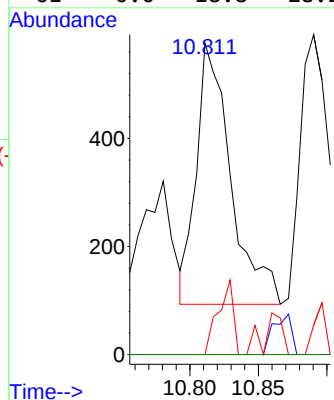
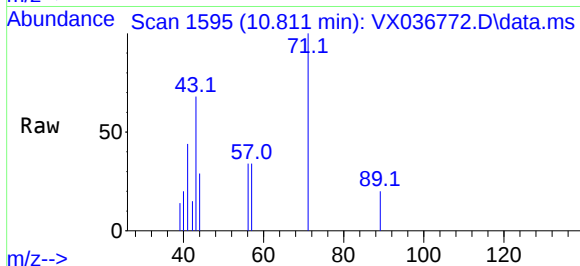




#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 10.811 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

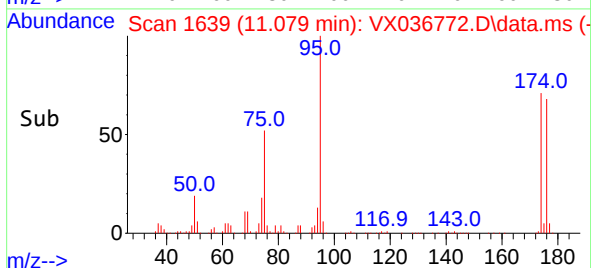
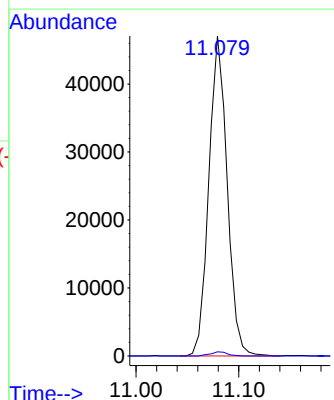
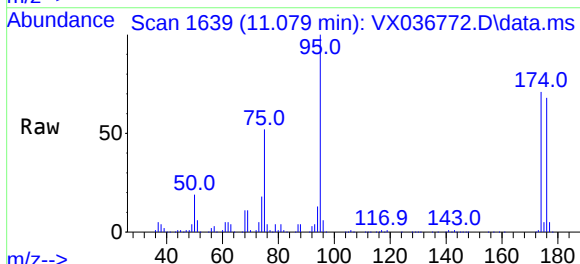
Instrument :
MSVOA_X
ClientSampleId :
BERGENFIELD-SOIL-COMP

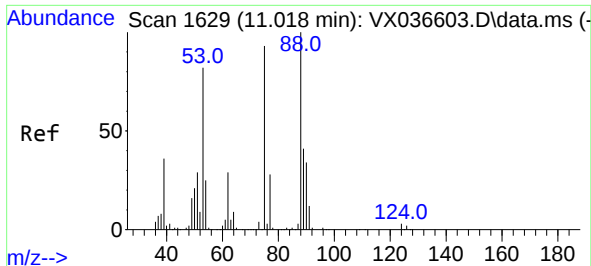
Tgt Ion: 43	Resp: 846
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 12.5	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.710 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036772.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 75	Resp: 58252
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.007 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036772.D
 Acq: 02 Aug 2023 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BERGENFIELD-SOIL-COMP

Tgt Ion: 75 Resp: 58252
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

