

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045179.D
 Acq On : 06 Mar 2025 19:22
 Operator : JC/MD
 Sample : Q1494-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 07 00:50:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

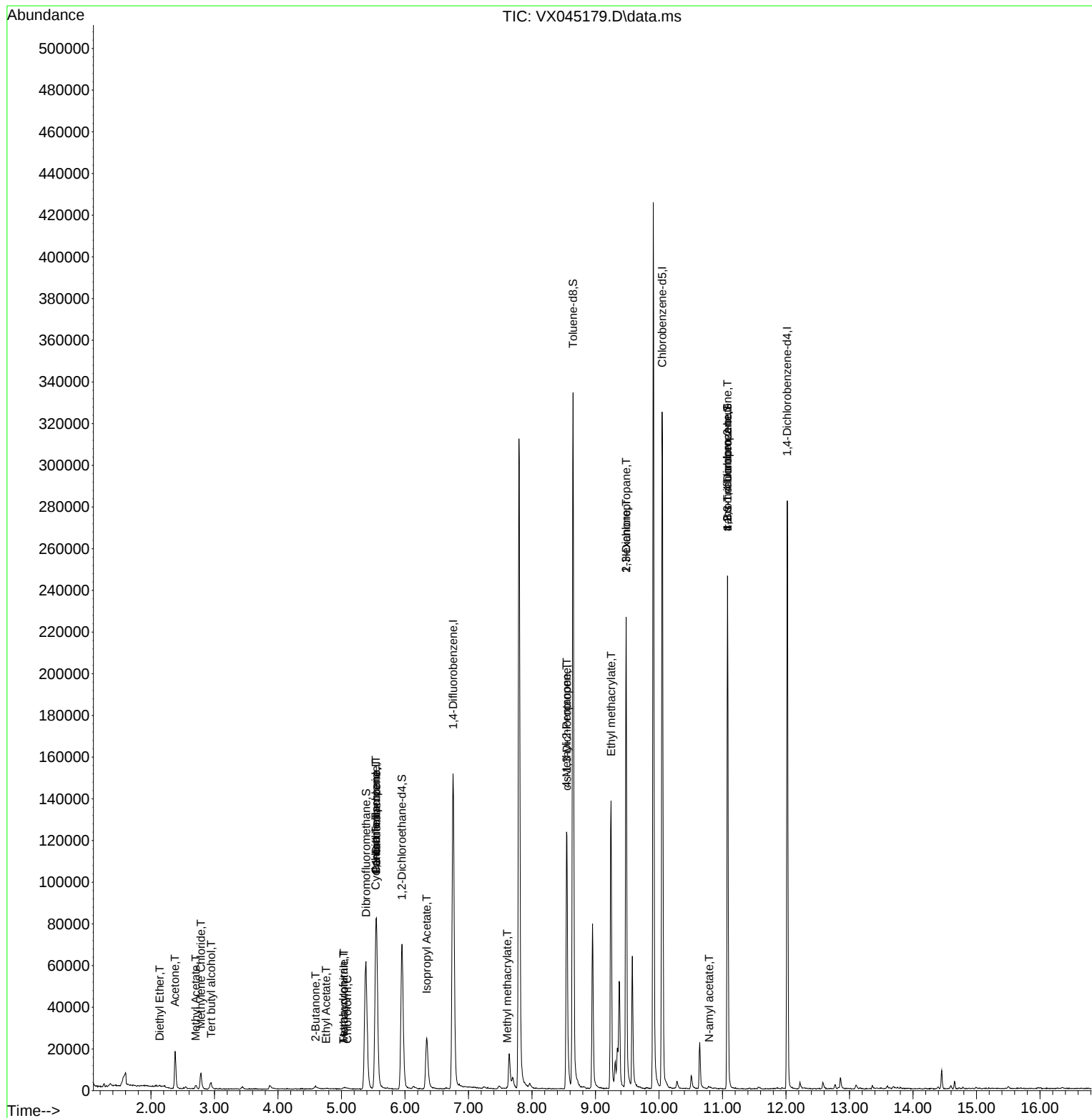
Internal Standards						
1) Pentafluorobenzene	5.550	168	76210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64459	53.174	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.340%	
35) Dibromofluoromethane	5.385	113	52942	51.432	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.860%	
50) Toluene-d8	8.647	98	193350	51.811	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.620%	
62) 4-Bromofluorobenzene	11.079	95	62434	50.488	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.980%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	136	0.226	ug/l	61
11) Tert butyl alcohol	2.947	59	1896	8.257	ug/l #	73
16) Acetone	2.380	43	18517	32.923	ug/l	97
18) Methyl Acetate	2.703	43	2318	1.713	ug/l	92
20) Methylene Chloride	2.788	84	3424	3.073	ug/l	93
25) 2-Butanone	4.593	43	885	1.045	ug/l #	83
29) Tetrahydrofuran	5.032	42	531	0.934	ug/l #	66
30) Chloroform	5.093	83	587	0.311	ug/l	96
31) Cyclohexane	5.538	56	2160	1.310	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	6967	4.935	ug/l #	50
37) Ethyl Acetate	4.757	43	626	0.344	ug/l #	70
38) Carbon Tetrachloride	5.544	117	8143	5.682	ug/l #	15
41) Methacrylonitrile	5.038	41	332	0.338	ug/l #	14
43) Isopropyl Acetate	6.342	43	36118	13.428	ug/l	99
48) Methyl methacrylate	7.610	41	976	0.723	ug/l #	15
51) 4-Methyl-2-Pentanone	8.543	43	48100	26.633	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	19782	12.771	ug/l #	69
56) Ethyl methacrylate	9.244	69	376	0.230	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1774	0.952	ug/l #	43
59) 2-Hexanone	9.482	43	29469	22.520	ug/l #	52
74) N-amyl acetate	10.787	43	684	0.343	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	33408	26.332	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33408	90.113	ug/l #	6

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

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

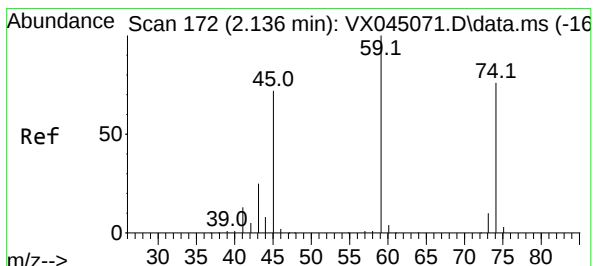
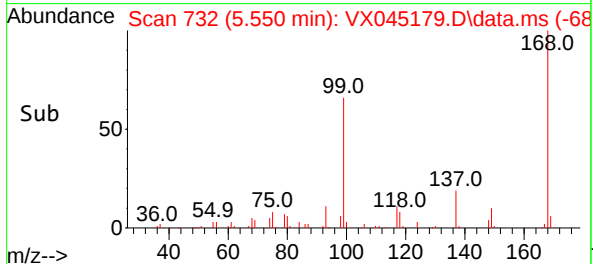
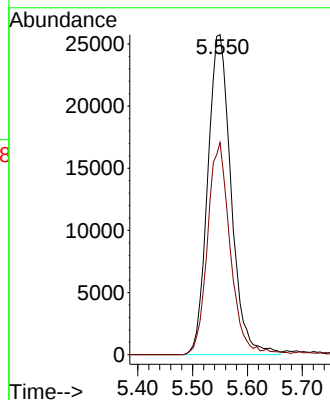
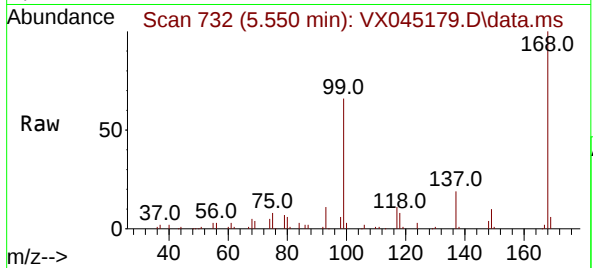




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

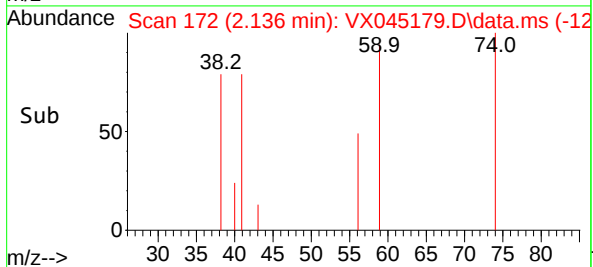
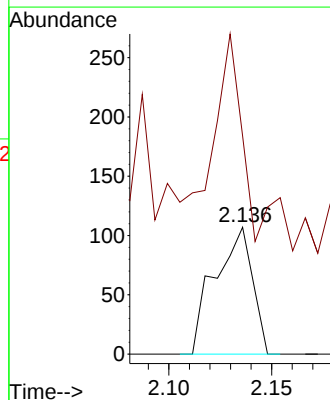
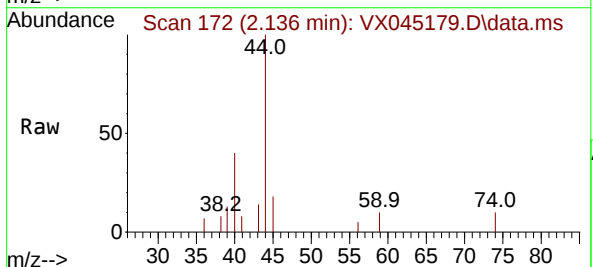
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

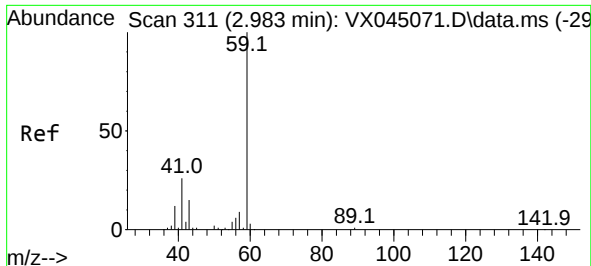
Tgt Ion:168 Resp: 76210
Ion Ratio Lower Upper
168 100
99 66.3 48.2 72.4



#8
Diethyl Ether
Concen: 0.226 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 74 Resp: 136
Ion Ratio Lower Upper
74 100
45 142.6 51.5 154.5





#11

Tert butyl alcohol

Concen: 8.257 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045179.D

Acq: 06 Mar 2025 19:22

Instrument :

MSVOA_X

ClientSampleId :

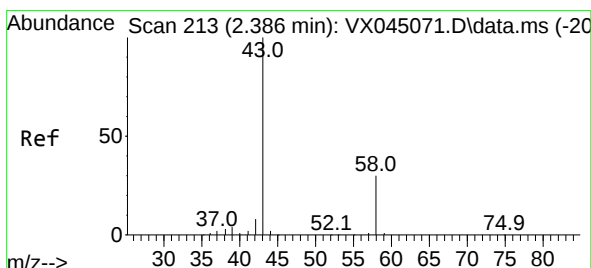
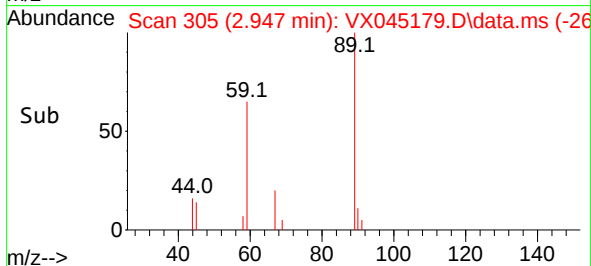
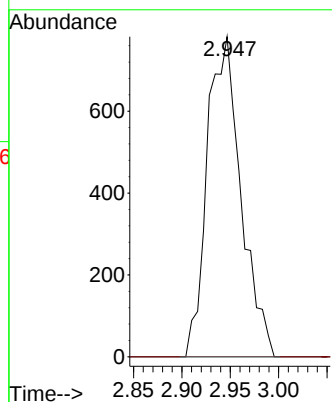
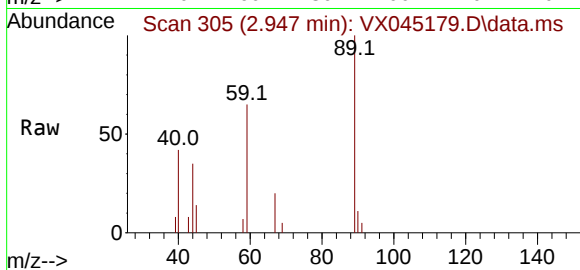
SOIL-COMP

Tgt Ion: 59 Resp: 1896

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 32.923 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045179.D

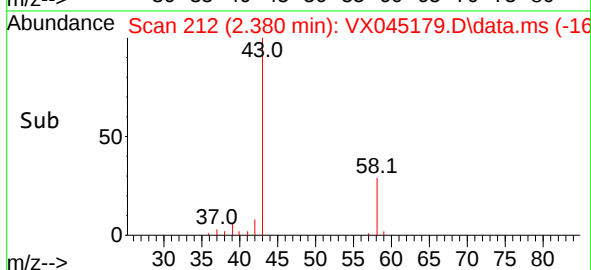
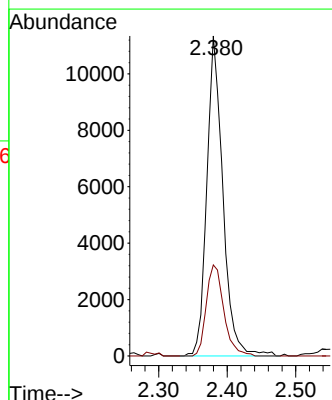
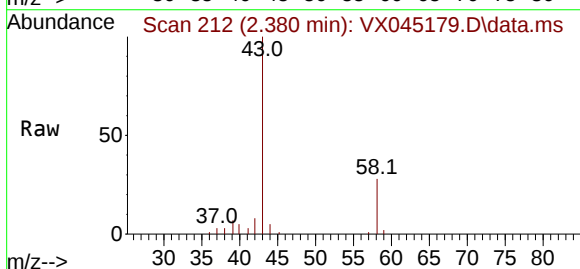
Acq: 06 Mar 2025 19:22

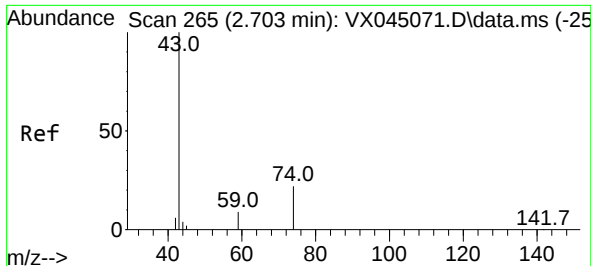
Tgt Ion: 43 Resp: 18517

Ion Ratio Lower Upper

43 100

58 28.4 24.2 36.4

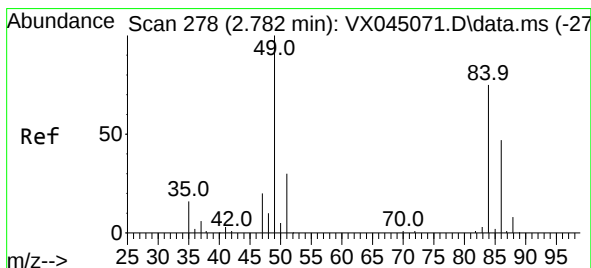
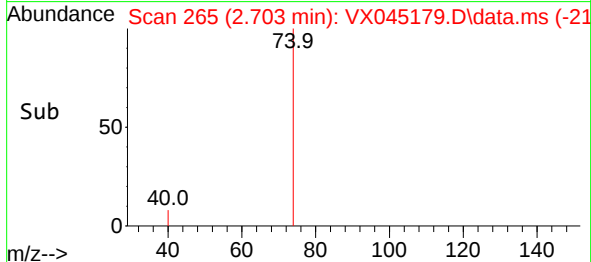
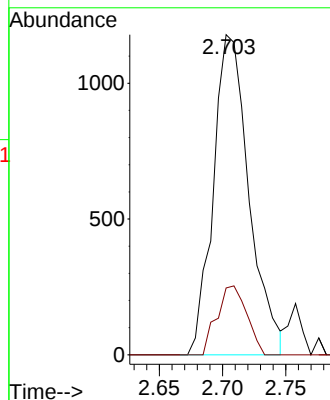
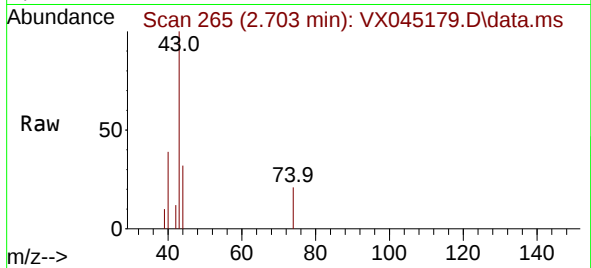




#18
Methyl Acetate
Concen: 1.713 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

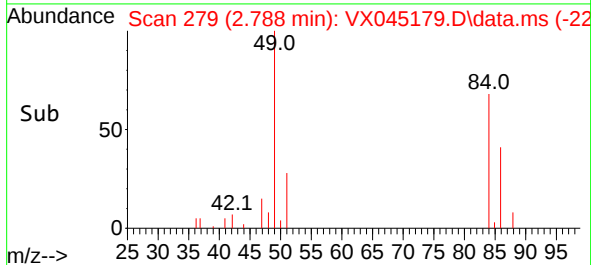
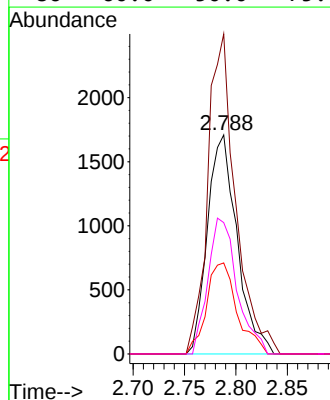
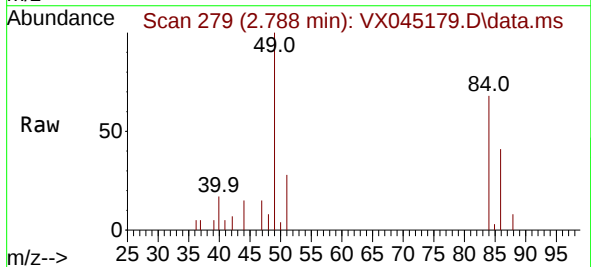
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

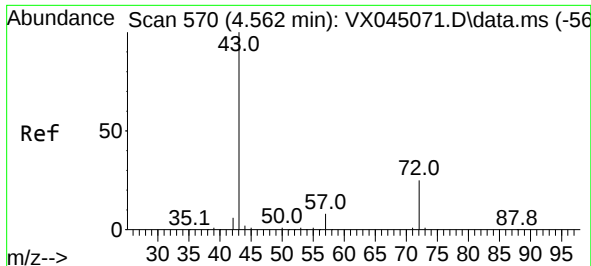
Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
74 17.9 17.4 26.2



#20
Methylene Chloride
Concen: 3.073 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 84 Resp: 3424
Ion Ratio Lower Upper
84 100
49 146.1 106.5 159.7
51 41.5 32.1 48.1
86 60.0 50.0 75.0

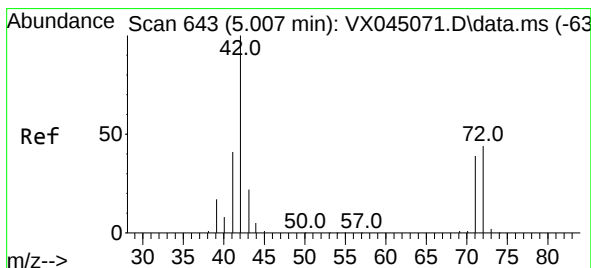
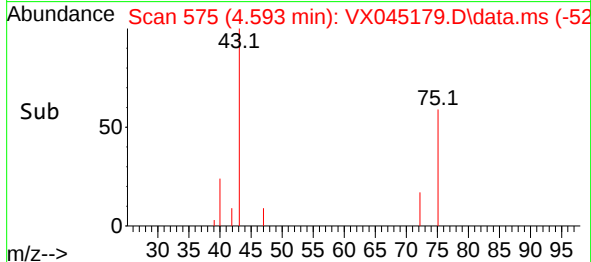
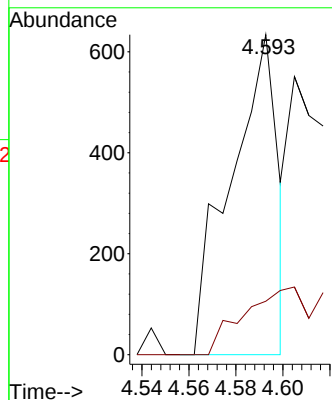
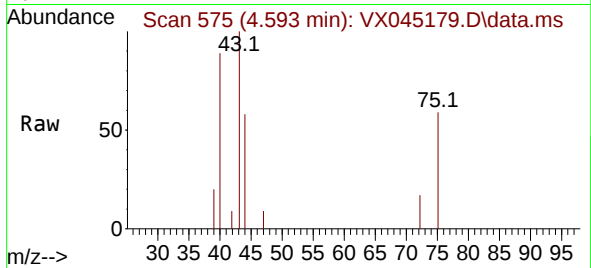




#25
2-Butanone
Concen: 1.045 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

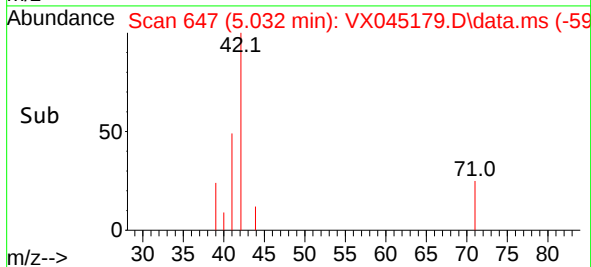
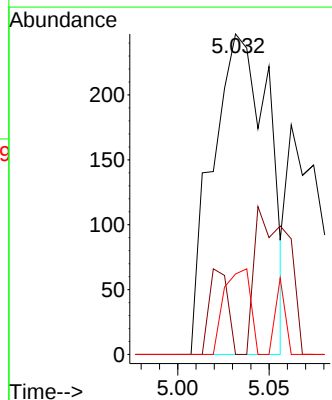
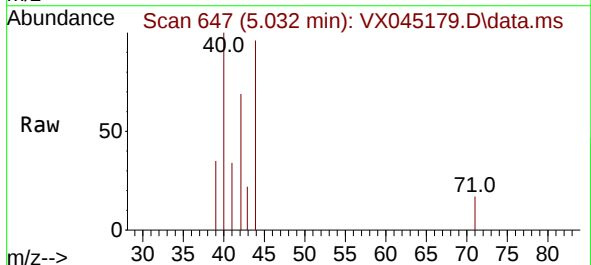
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

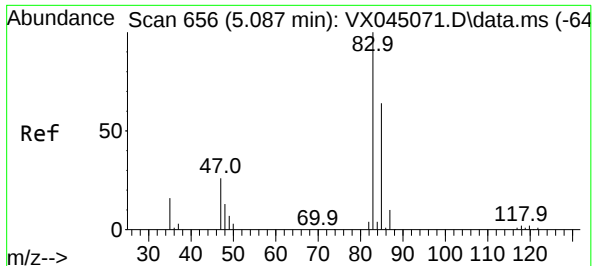
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
72 16.7 20.0 30.0#



#29
Tetrahydrofuran
Concen: 0.934 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 42 Resp: 531
Ion Ratio Lower Upper
42 100
72 26.9 34.1 51.1#
71 12.4 31.4 47.0#





#30

Chloroform

Concen: 0.311 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX045179.D

Acq: 06 Mar 2025 19:22

Instrument :

MSVOA_X

ClientSampleId :

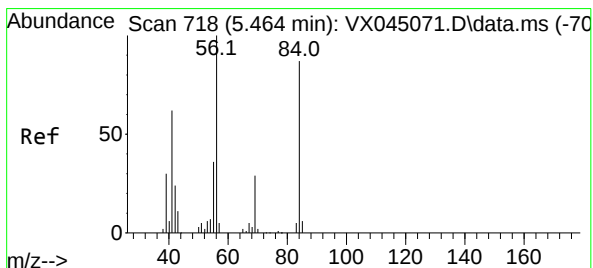
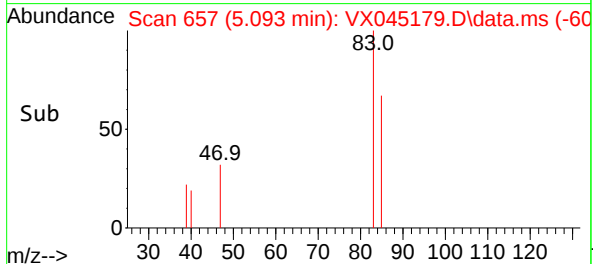
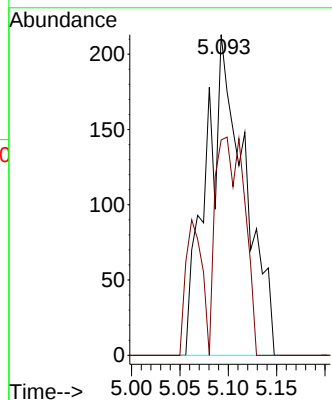
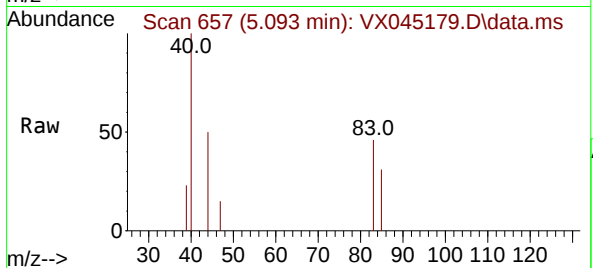
SOIL-COMP

Tgt Ion: 83 Resp: 587

Ion Ratio Lower Upper

83 100

85 67.1 51.4 77.2



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045179.D

Acq: 06 Mar 2025 19:22

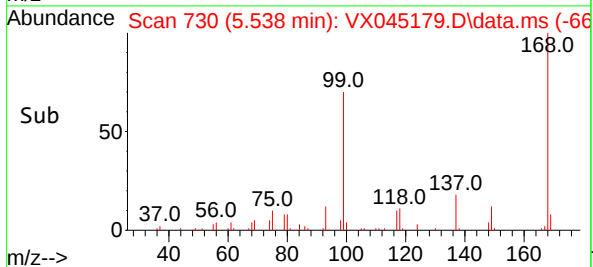
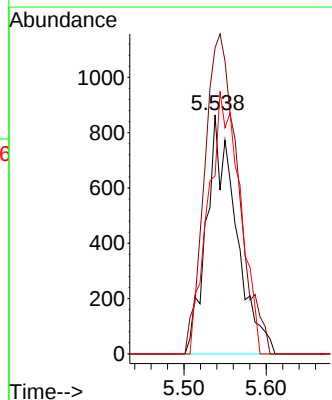
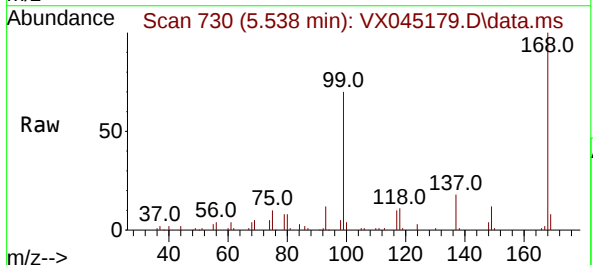
Tgt Ion: 56 Resp: 2160

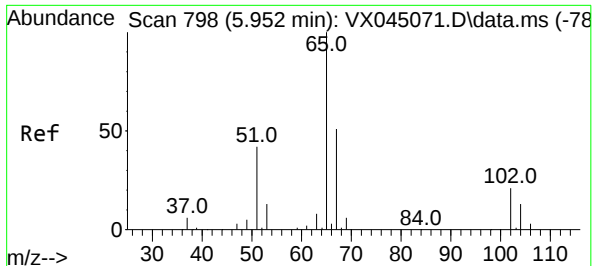
Ion Ratio Lower Upper

56 100

69 128.1 23.4 35.2#

84 74.5 69.4 104.2

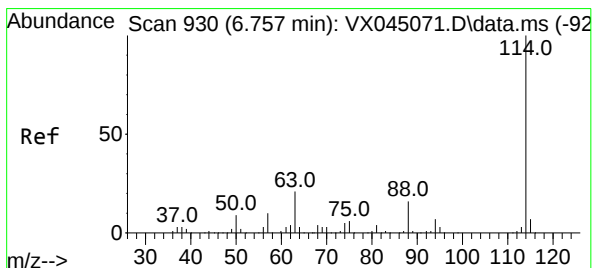
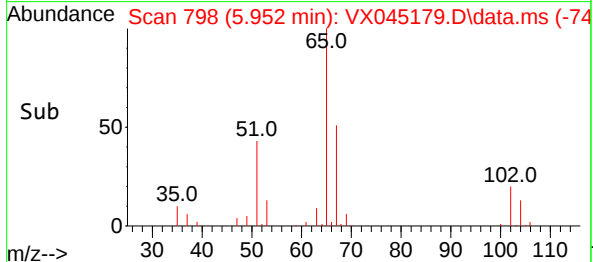
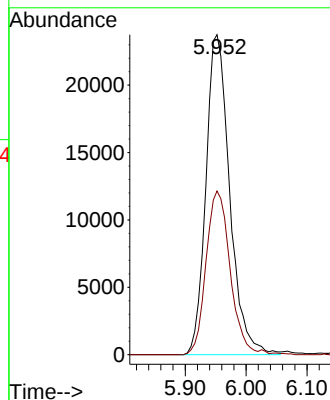
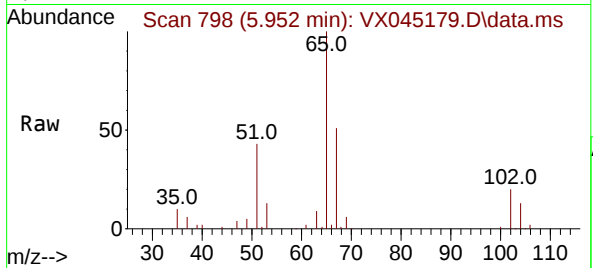




#33
 1,2-Dichloroethane-d4
 Concen: 53.174 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045179.D
 Acq: 06 Mar 2025 19:22

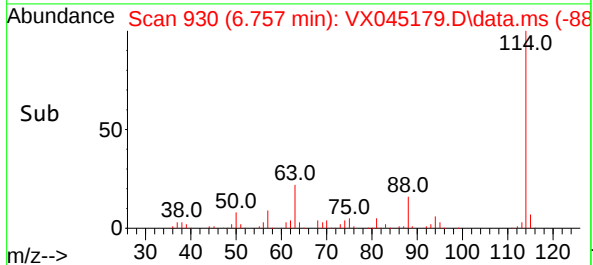
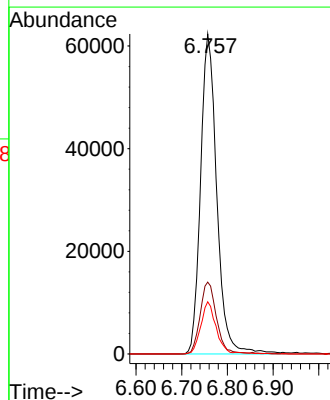
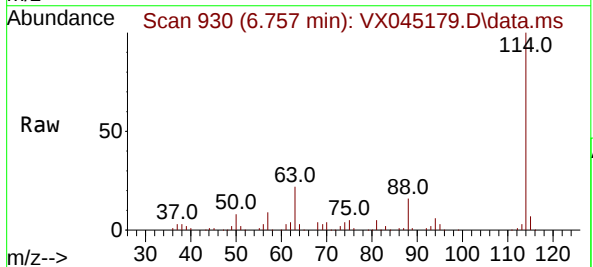
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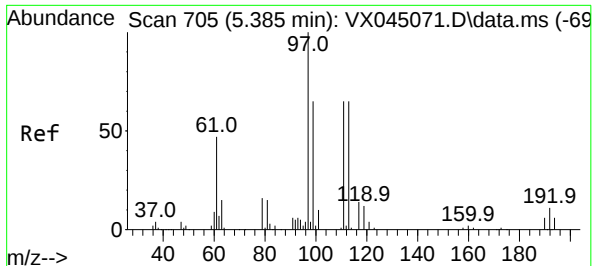
Tgt Ion: 65 Resp: 64459
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045179.D
 Acq: 06 Mar 2025 19:22

Tgt Ion: 114 Resp: 153941
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.8
 88 16.3 0.0 32.8

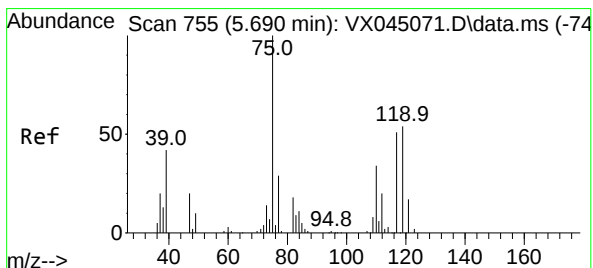
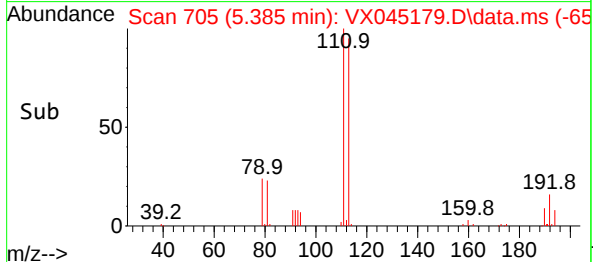
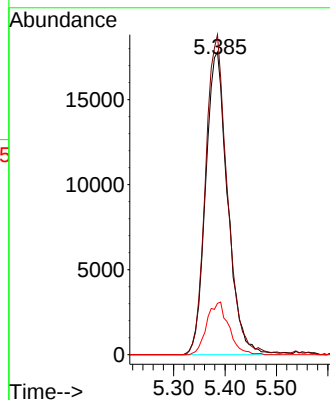
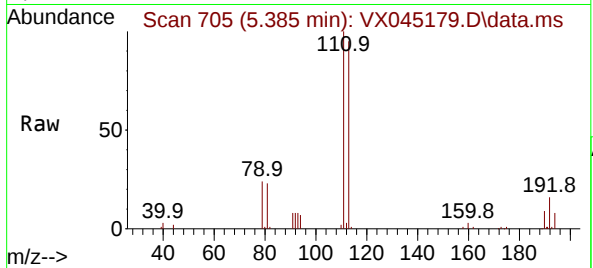




#35
Dibromofluoromethane
Concen: 51.432 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

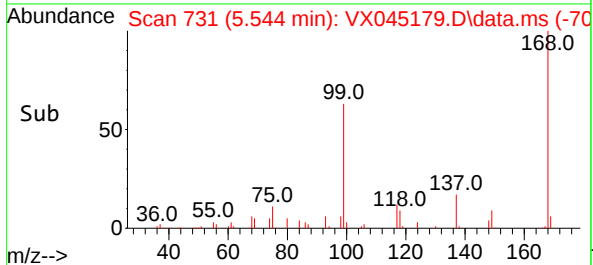
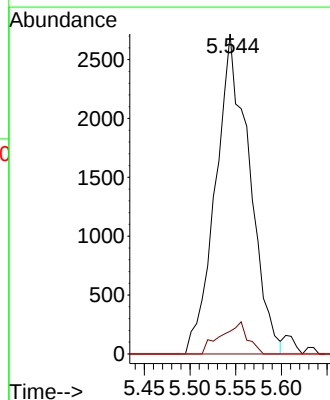
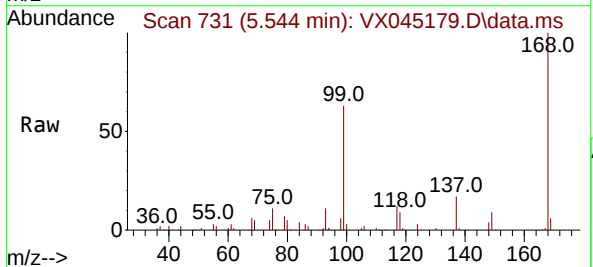
Instrument :
MSVOA_X
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SOIL-COMP

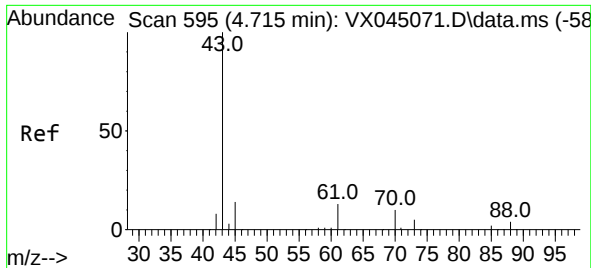
Tgt Ion:113 Resp: 52942
Ion Ratio Lower Upper
113 100
111 104.8 81.8 122.6
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.935 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 75 Resp: 6967
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 24.5 36.7#

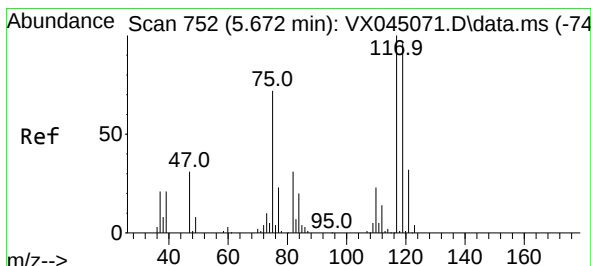
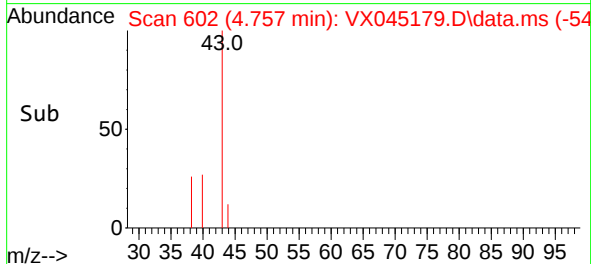
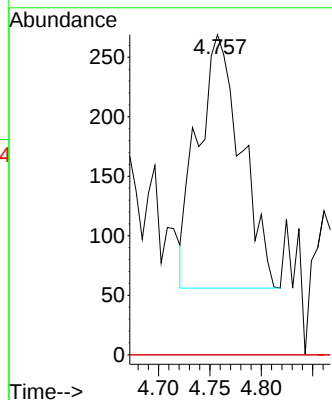
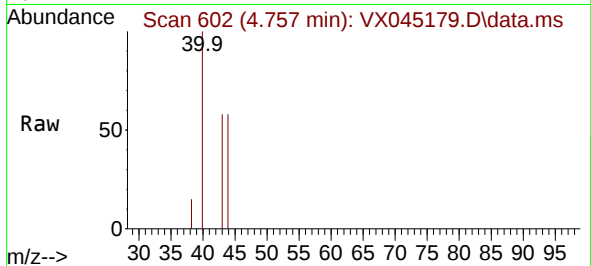




#37
Ethyl Acetate
Concen: 0.344 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.043 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

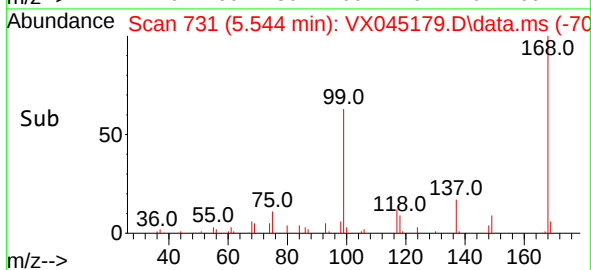
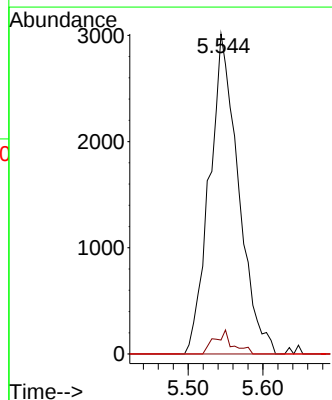
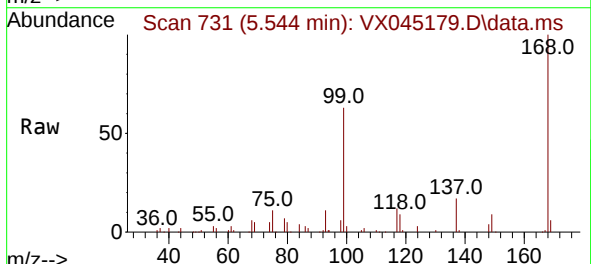
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

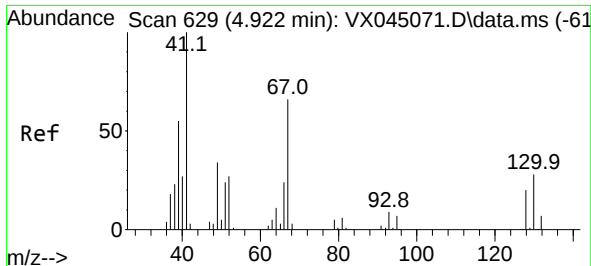
Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.682 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 117 Resp: 8143
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 25.5 38.3#

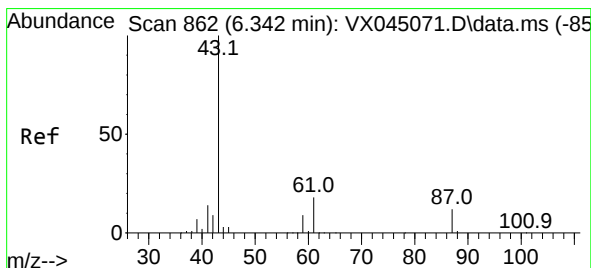
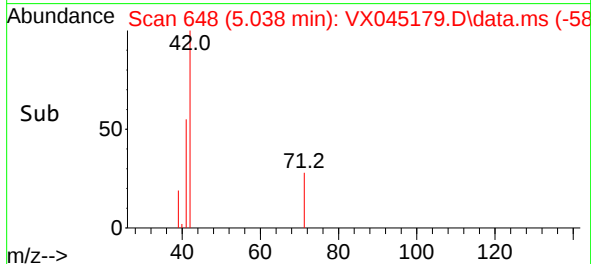
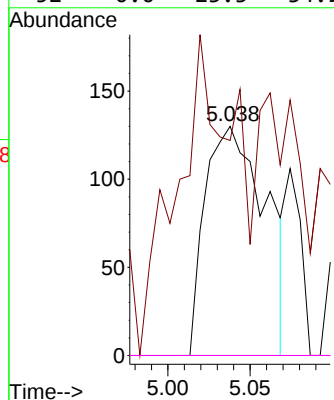
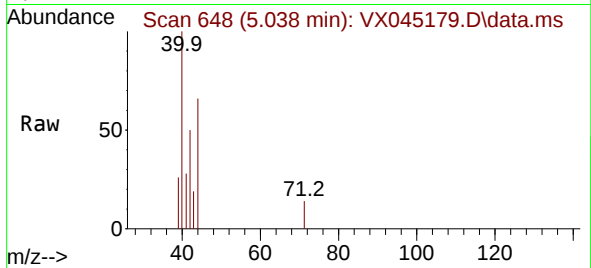




#41
Methacrylonitrile
Concen: 0.338 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

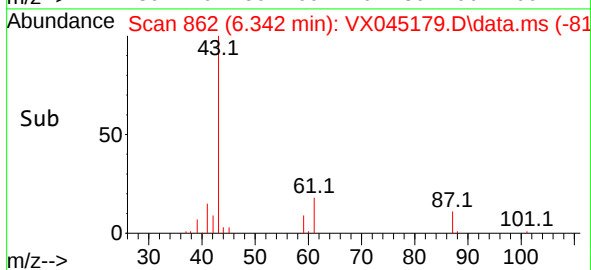
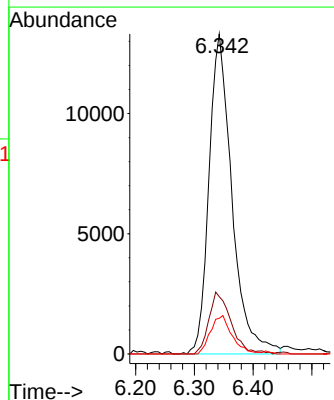
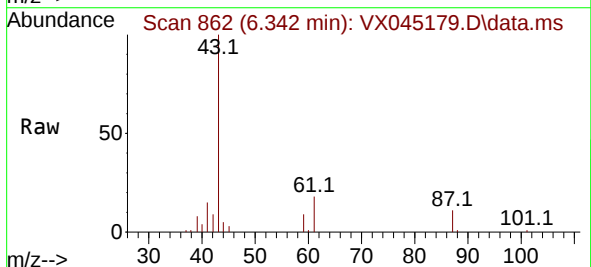
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

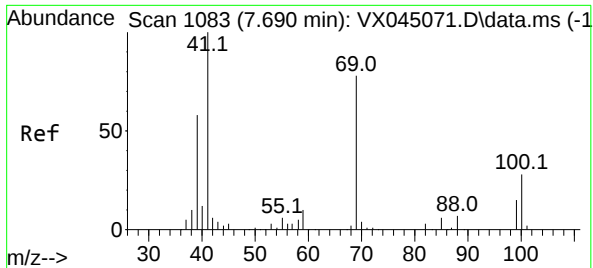
Tgt Ion:	41	Resp:	332
Ion	Ratio	Lower	Upper
41	100		
39	131.9	44.6	67.0#
67	0.0	53.9	80.9#
52	0.0	23.3	34.9#



#43
Isopropyl Acetate
Concen: 13.428 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion:	43	Resp:	36118
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	11.2	9.4	14.2

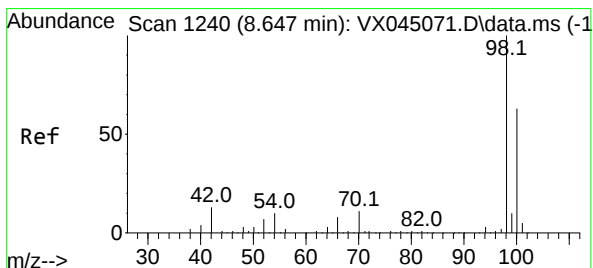
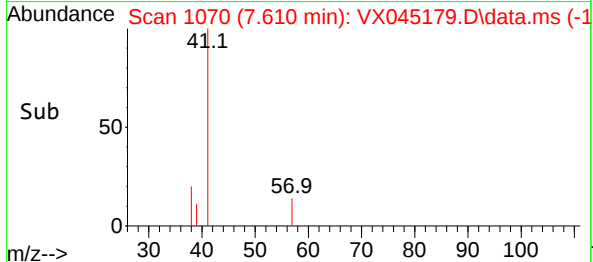
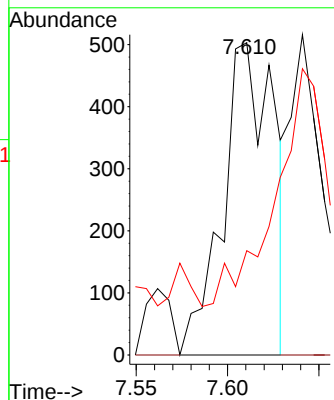
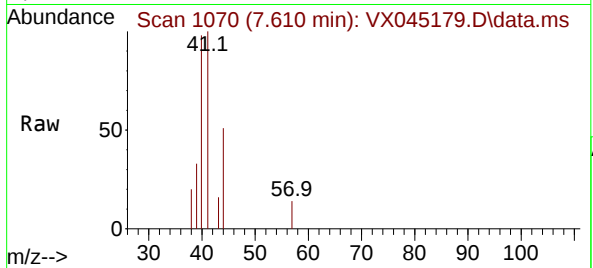




#48
Methyl methacrylate
Concen: 0.723 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.079 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

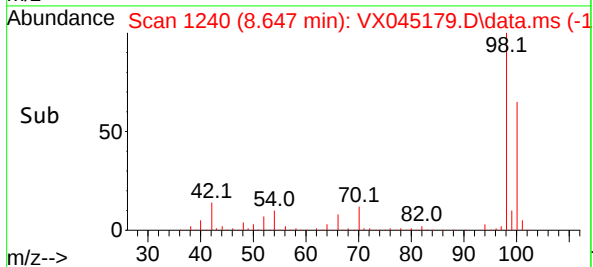
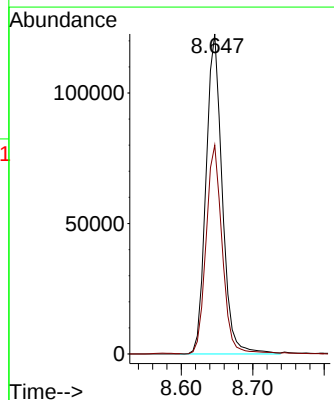
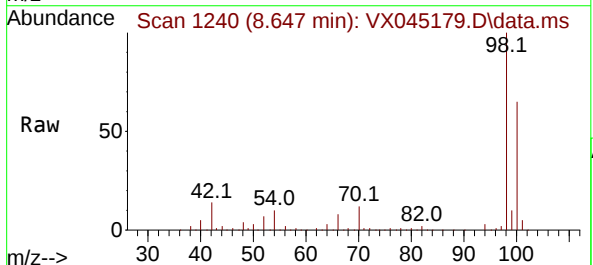
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

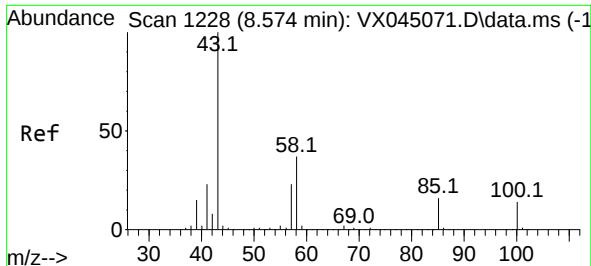
Tgt Ion: 41 Resp: 976
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#



#50
Toluene-d8
Concen: 51.811 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 98 Resp: 193350
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

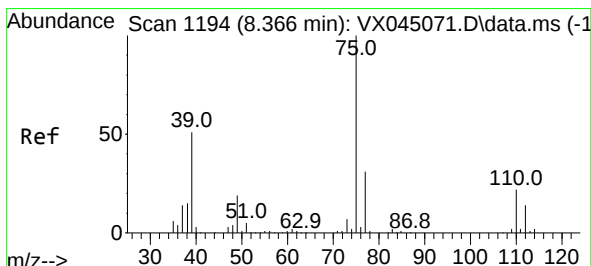
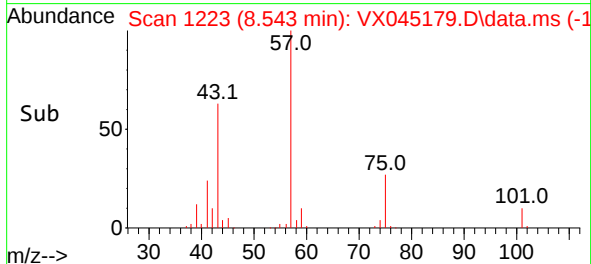
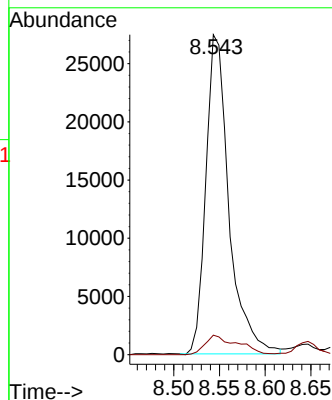
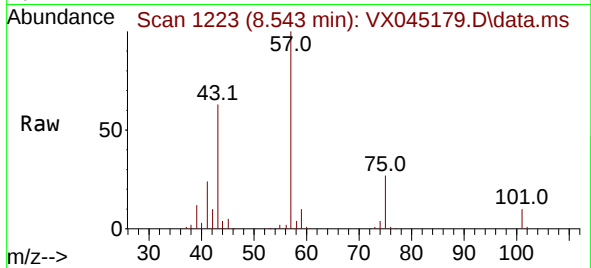




#51
4-Methyl-2-Pentanone
Concen: 26.633 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

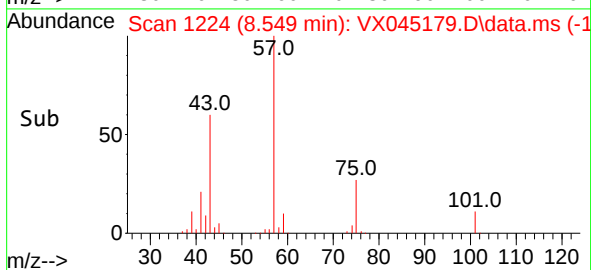
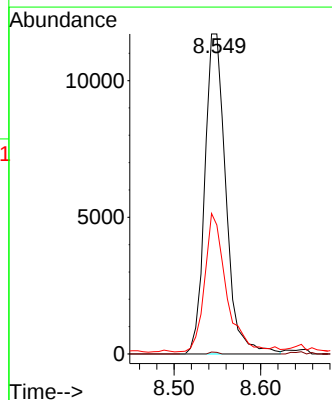
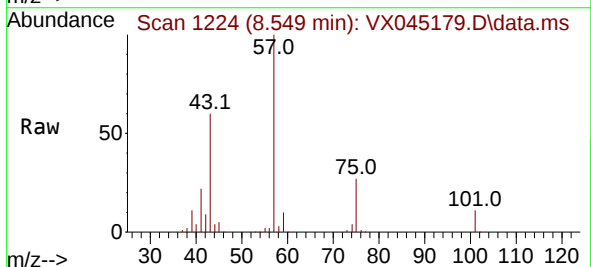
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

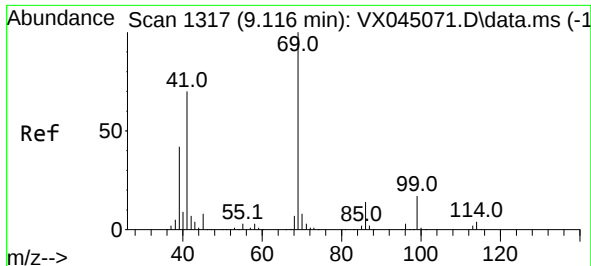
Tgt Ion: 43 Resp: 48100
Ion Ratio Lower Upper
43 100
58 8.7 29.2 43.8#



#54
cis-1,3-Dichloropropene
Concen: 12.771 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 75 Resp: 19782
Ion Ratio Lower Upper
75 100
77 0.5 24.7 37.1#
39 39.6 40.7 61.1#

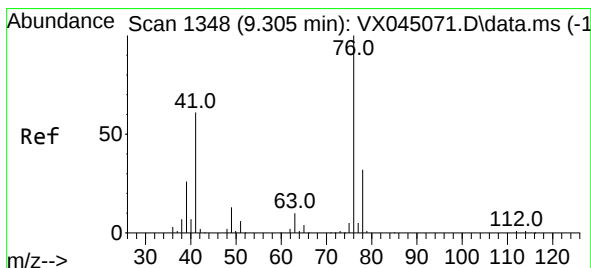
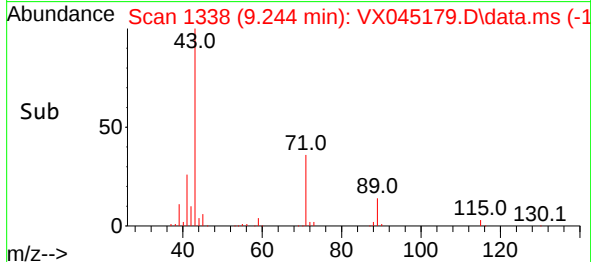
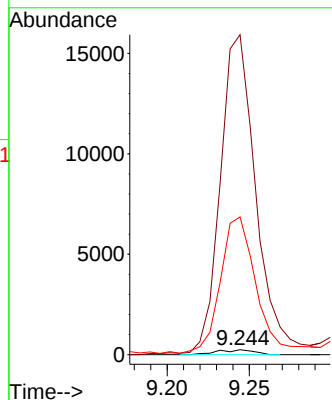
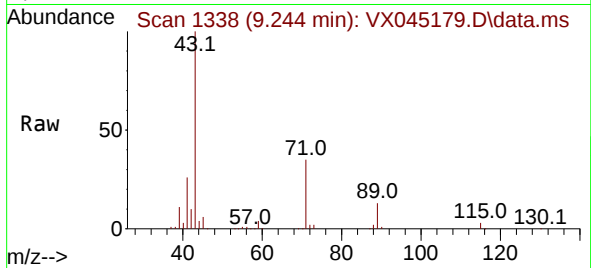




#56
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

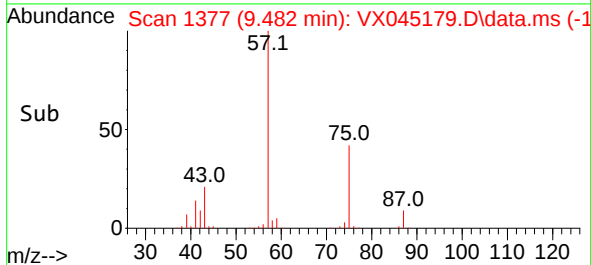
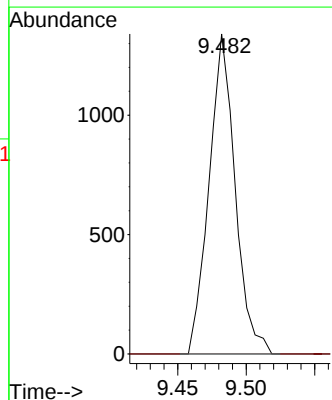
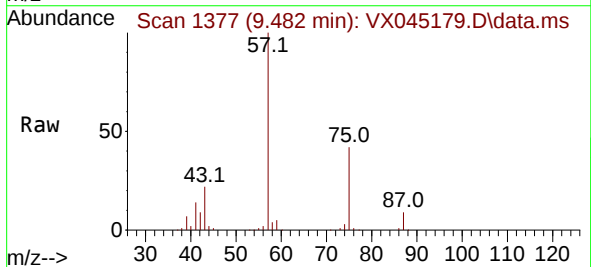
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

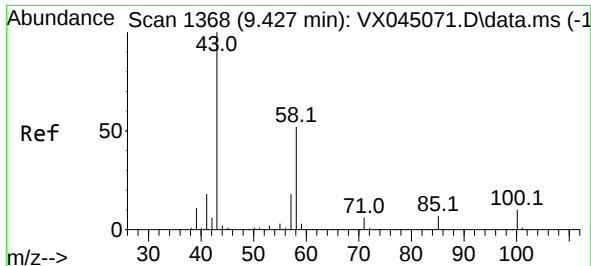
Tgt Ion: 69 Resp: 376
Ion Ratio Lower Upper
69 100
41 6442.8 57.0 85.4#
39 2749.7 34.2 51.4#



#57
1,3-Dichloropropane
Concen: 0.952 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 76 Resp: 1774
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

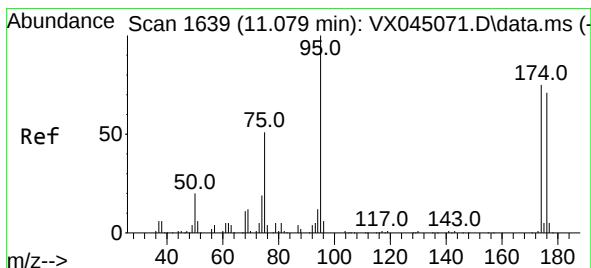
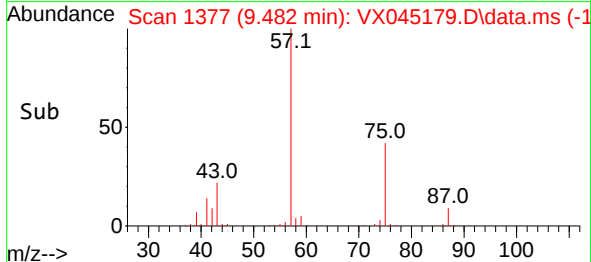
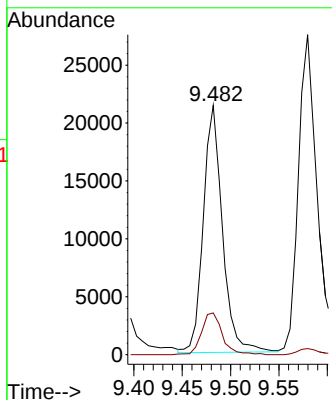
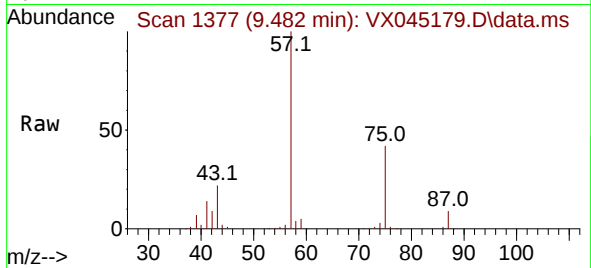




#59
2-Hexanone
Concen: 22.520 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

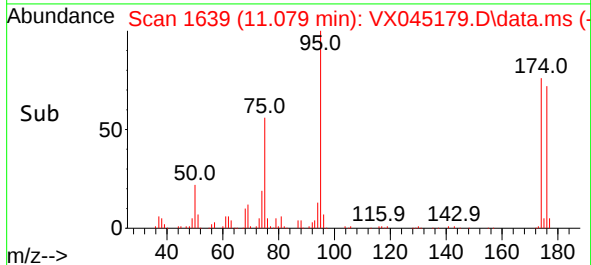
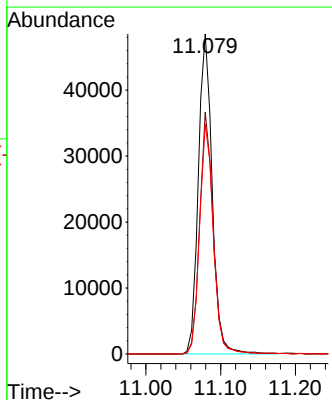
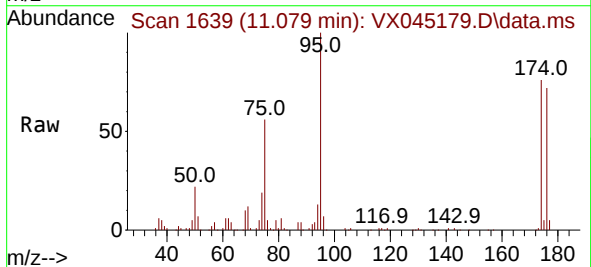
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

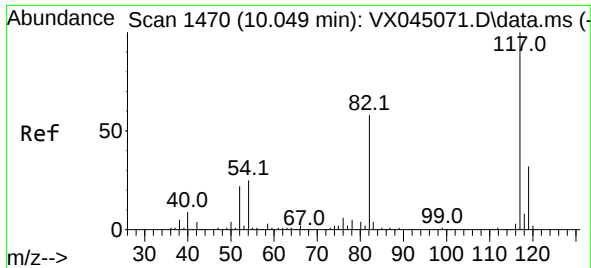
Tgt Ion: 43 Resp: 29469
Ion Ratio Lower Upper
43 100
58 18.3 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 50.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 95 Resp: 62434
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.2
176 71.2 0.0 141.4

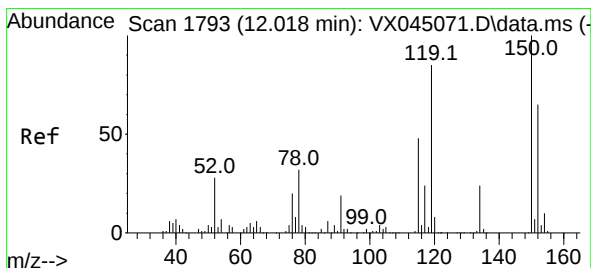
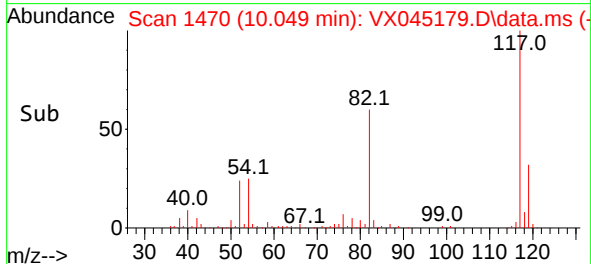
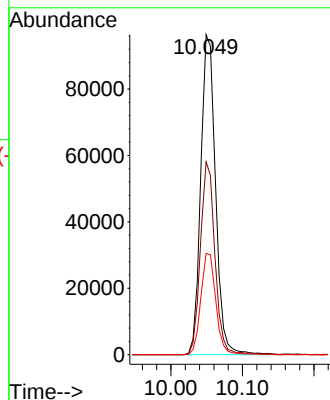
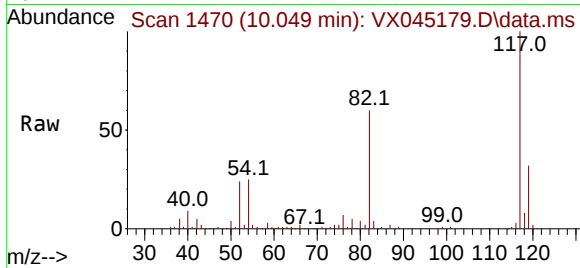




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

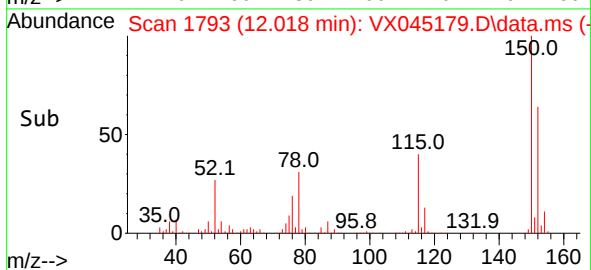
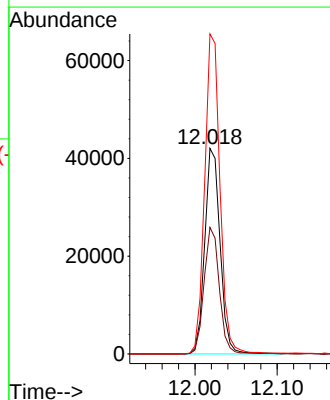
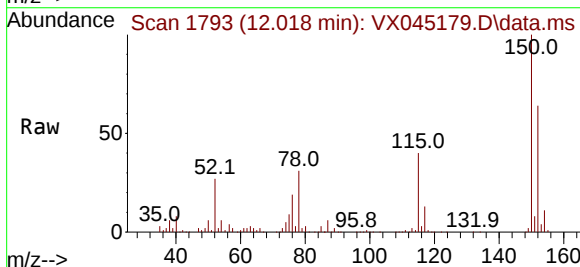
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

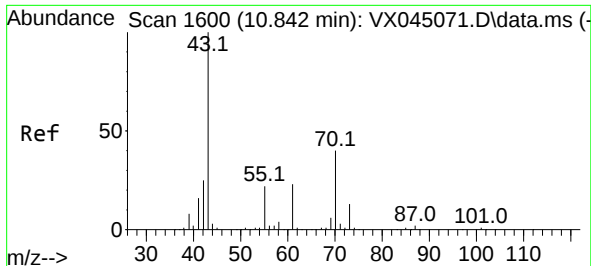
Tgt Ion:117 Resp: 138767
Ion Ratio Lower Upper
117 100
82 60.2 46.3 69.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion:152 Resp: 54510
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 155.2 0.0 349.0

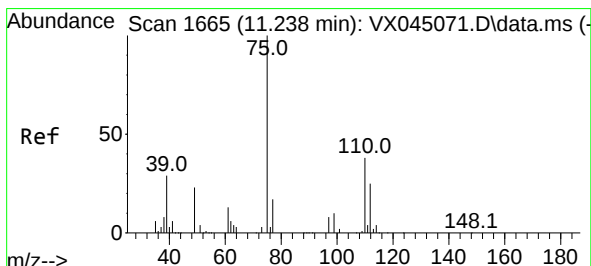
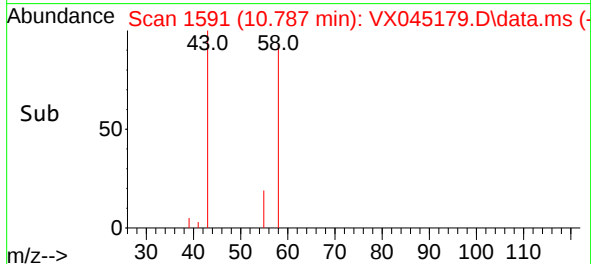
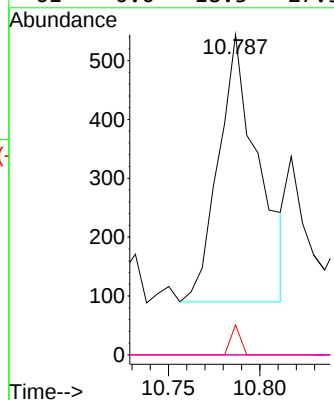
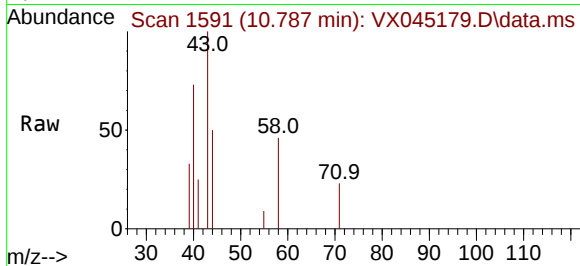




#74
N-amy1 acetate
Concen: 0.343 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

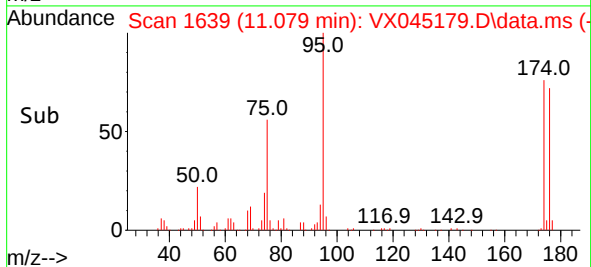
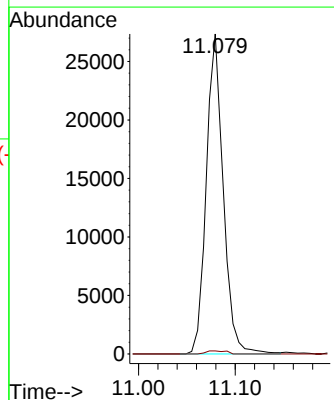
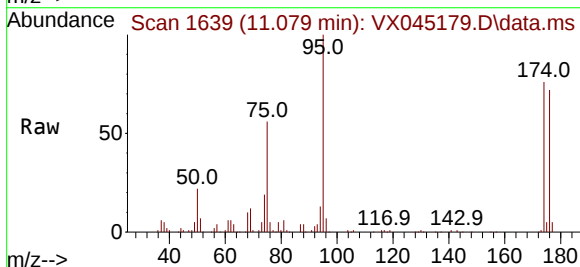
Instrument :
MSVOA_X
ClientSampleId :
SOIL-COMP

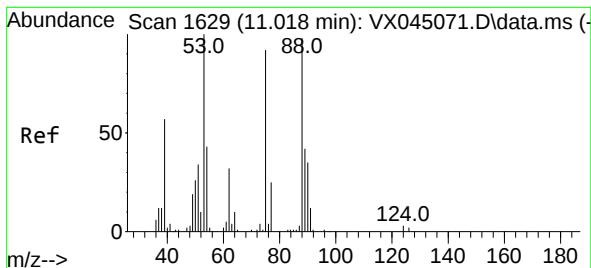
Tgt Ion: 43	Resp: 684
Ion Ratio	Lower Upper
43 100	
70 0.0	31.8 47.6#
55 2.8	18.3 27.5#
61 0.0	18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 26.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045179.D
Acq: 06 Mar 2025 19:22

Tgt Ion: 75	Resp: 33408
Ion Ratio	Lower Upper
75 100	
77 1.2	20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.113 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045179.D
 Acq: 06 Mar 2025 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-COMP

Tgt Ion: 75 Resp: 33408
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.2 36.2 54.4#

