

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045178.D
 Acq On : 06 Mar 2025 18:59
 Operator : JC/MD
 Sample : Q1494-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL

Quant Time: Mar 07 00:50:06 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)

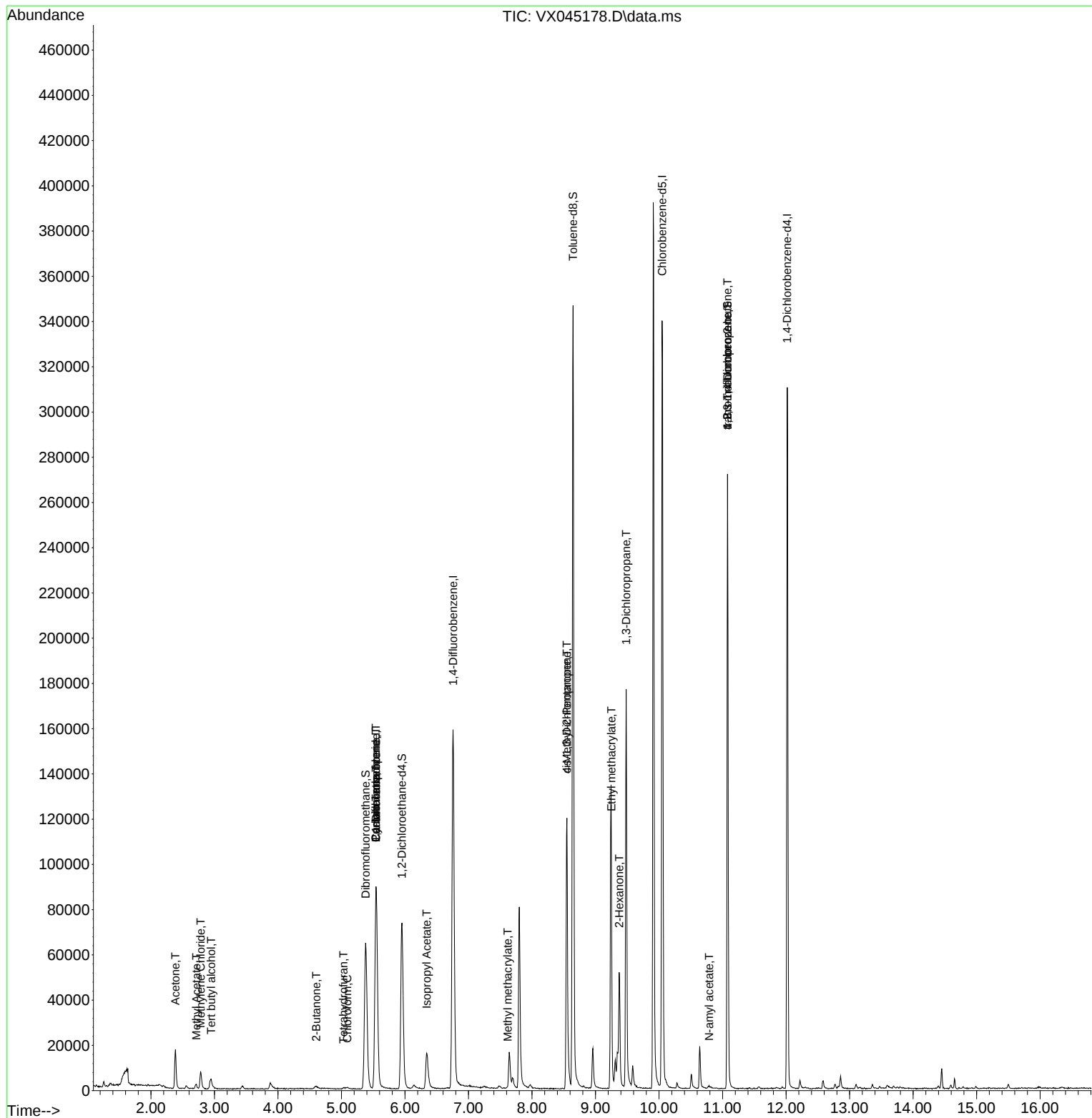
Internal Standards						
1) Pentafluorobenzene	5.544	168	83573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164270	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70432	52.982	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	5.379	113	55647	50.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.320%			
50) Toluene-d8	8.647	98	205322	51.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.120%			
62) 4-Bromofluorobenzene	11.079	95	67974	51.512	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.020%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	3643	14.468	ug/l #	77
16) Acetone	2.386	43	17885	28.997	ug/l	97
18) Methyl Acetate	2.715	43	3074	2.072	ug/l #	87
20) Methylene Chloride	2.782	84	3297	2.699	ug/l	96
25) 2-Butanone	4.605	43	1372	1.478	ug/l	91
29) Tetrahydrofuran	5.031	42	635	1.018	ug/l #	49
30) Chloroform	5.092	83	657	0.317	ug/l #	75
31) Cyclohexane	5.544	56	2334	1.290	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	7621	5.059	ug/l #	50
38) Carbon Tetrachloride	5.544	117	9023	5.900	ug/l #	12
43) Isopropyl Acetate	6.342	43	23463	8.174	ug/l	98
48) Methyl methacrylate	7.616	41	1051	0.730	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	45231	23.469	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	18692	11.308	ug/l #	70
56) Ethyl methacrylate	9.250	69	355	0.203	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1455	0.732	ug/l #	43
59) 2-Hexanone	9.372	43	41573	29.772	ug/l #	26
74) N-amyl acetate	10.787	43	1045	0.476	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36251	26.007	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36251	89.002	ug/l #	6

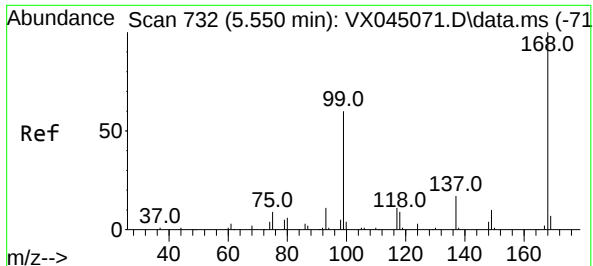
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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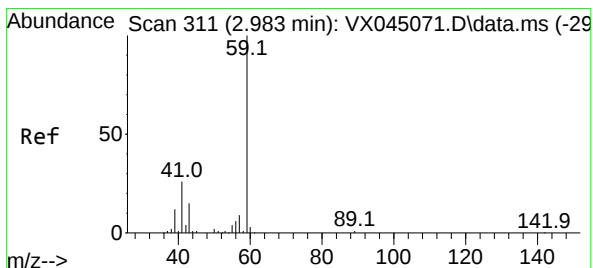
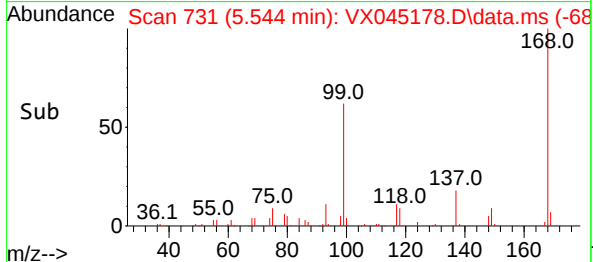
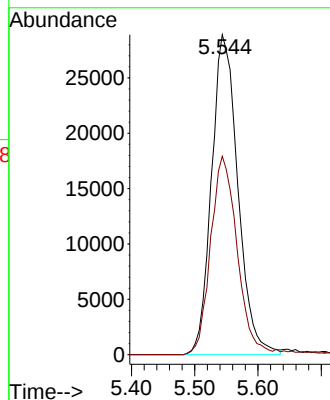
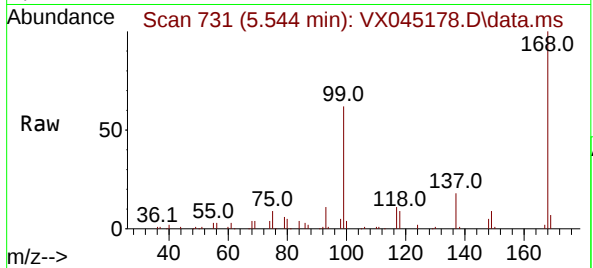




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

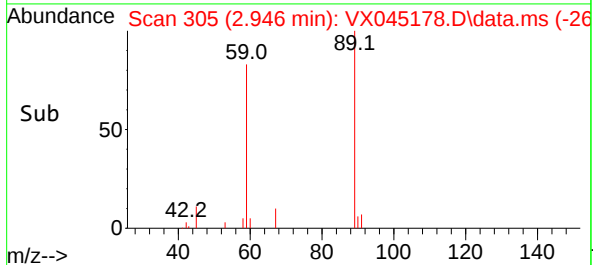
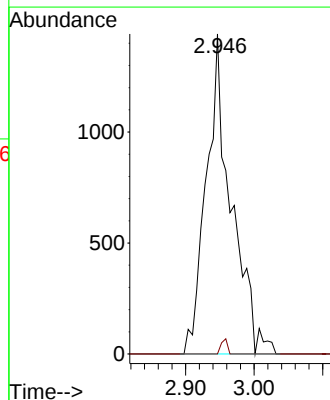
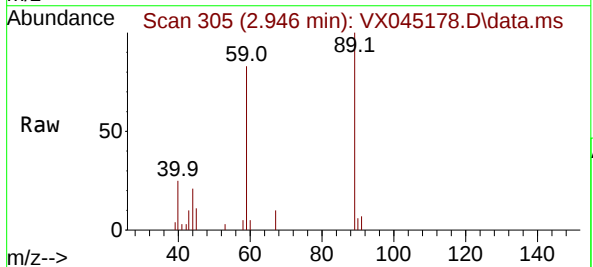
Instrument :
MSVOA_X
ClientSampleId :
SOIL

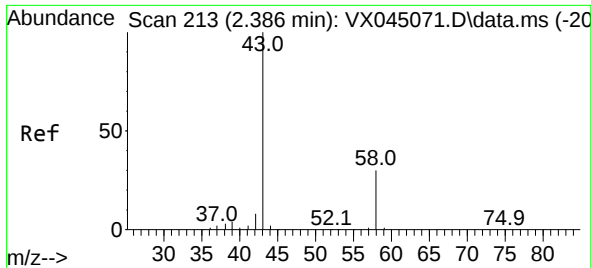
Tgt Ion:168 Resp: 83573
Ion Ratio Lower Upper
168 100
99 62.0 48.2 72.4



#11
Tert butyl alcohol
Concen: 14.468 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 59 Resp: 3643
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.8#

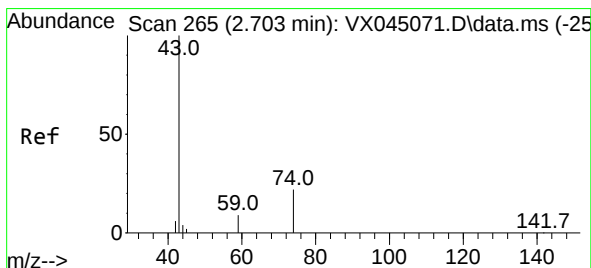
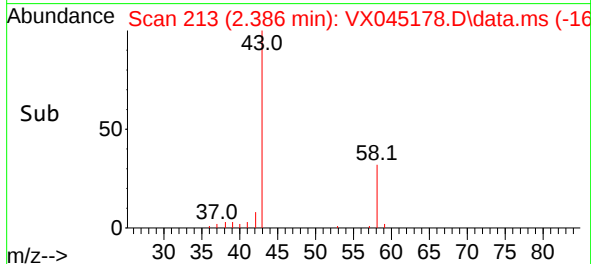
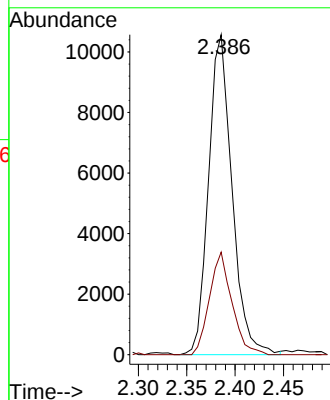
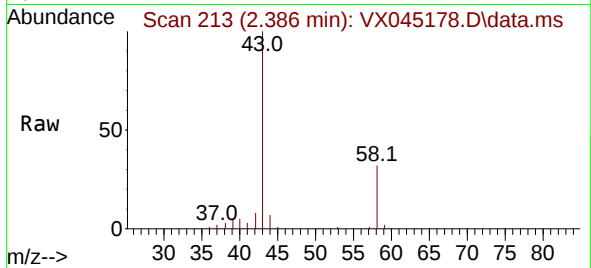




#16
Acetone
Concen: 28.997 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

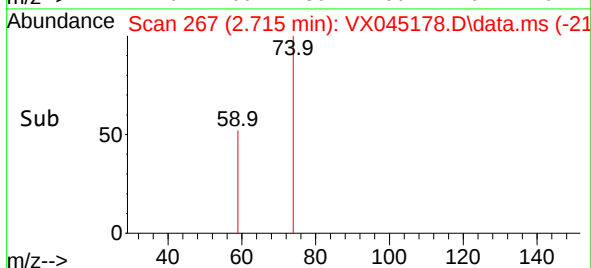
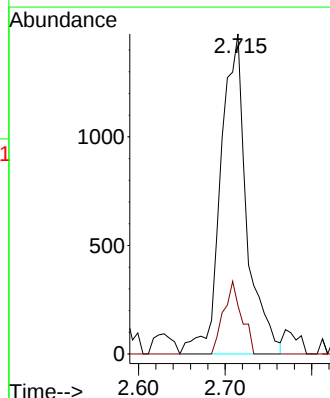
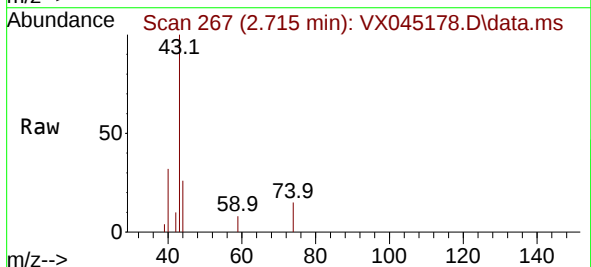
Instrument :
MSVOA_X
ClientSampleId :
SOIL

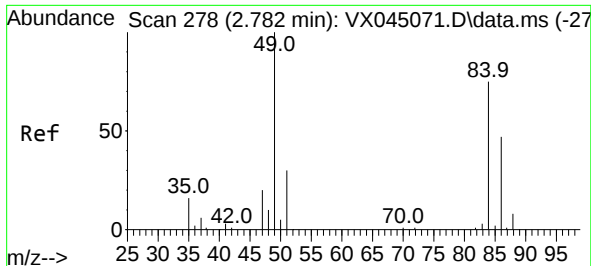
Tgt Ion: 43 Resp: 17885
Ion Ratio Lower Upper
43 100
58 32.0 24.2 36.4



#18
Methyl Acetate
Concen: 2.072 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
74 15.8 17.4 26.2#

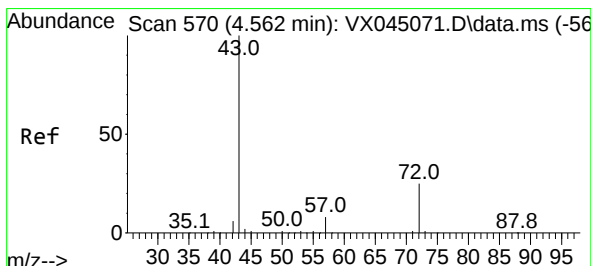
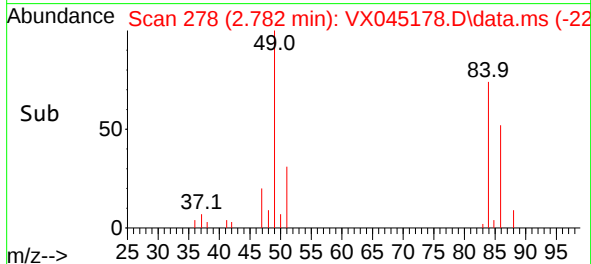
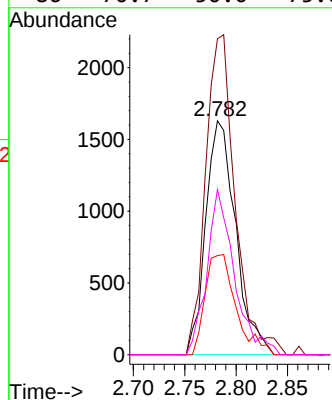
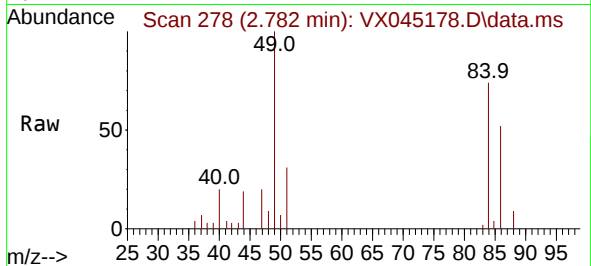




#20
Methylene Chloride
Concen: 2.699 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

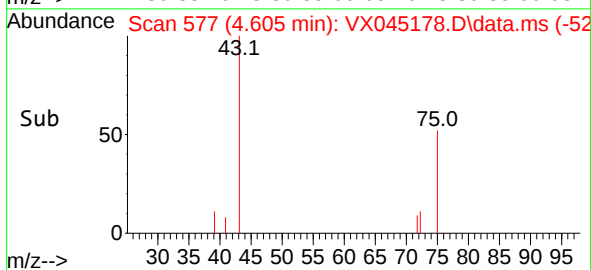
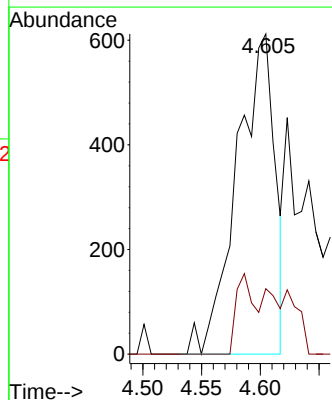
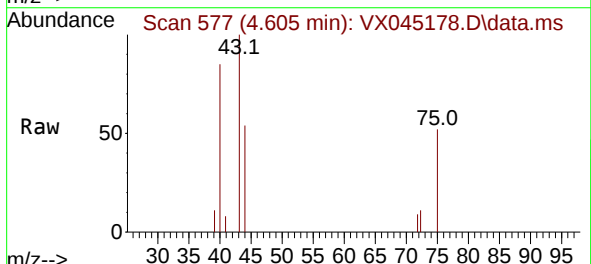
Instrument :
MSVOA_X
ClientSampleId :
SOIL

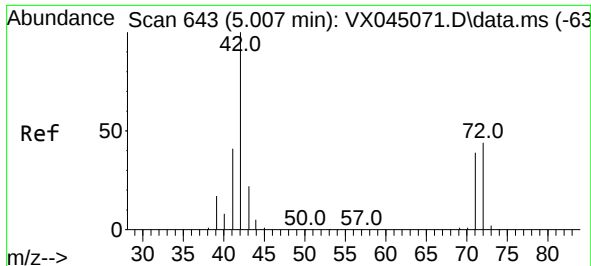
Tgt Ion:	84	Resp:	3297
Ion	Ratio	Lower	Upper
84	100		
49	135.0	106.5	159.7
51	42.3	32.1	48.1
86	70.7	50.0	75.0



#25
2-Butanone
Concen: 1.478 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.043 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion:	43	Resp:	1372
Ion	Ratio	Lower	Upper
43	100		
72	20.4	20.0	30.0





#29

Tetrahydrofuran

Concen: 1.018 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX045178.D

Acq: 06 Mar 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

SOIL

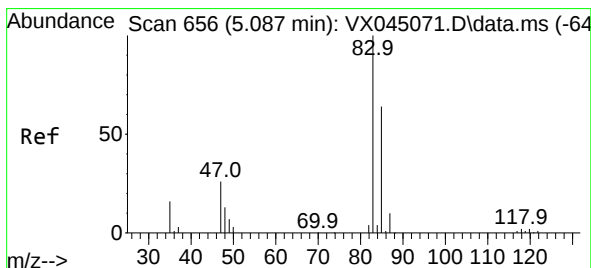
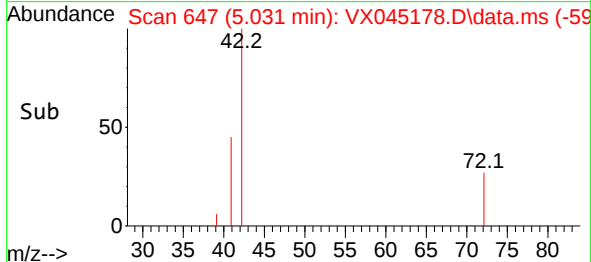
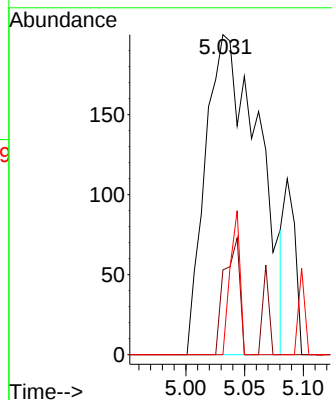
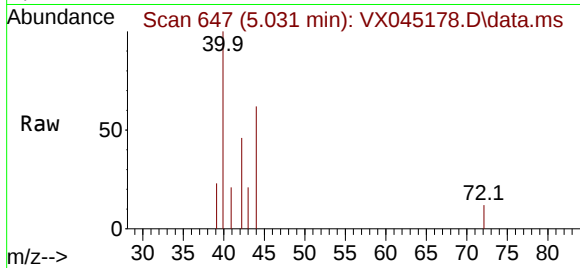
Tgt Ion: 42 Resp: 635

Ion Ratio Lower Upper

42 100

72 10.4 34.1 51.1#

71 8.3 31.4 47.0#



#30

Chloroform

Concen: 0.317 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045178.D

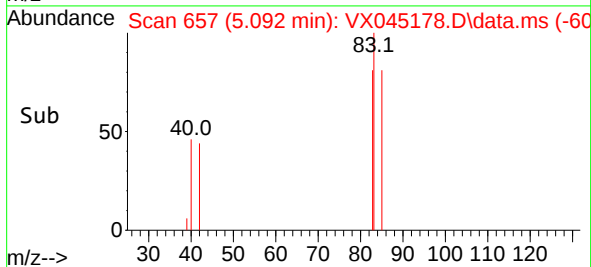
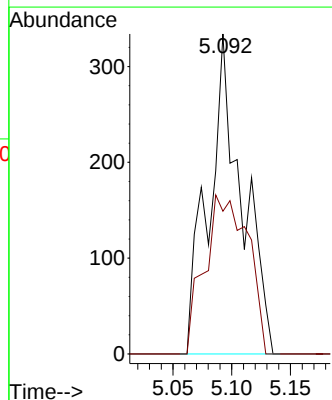
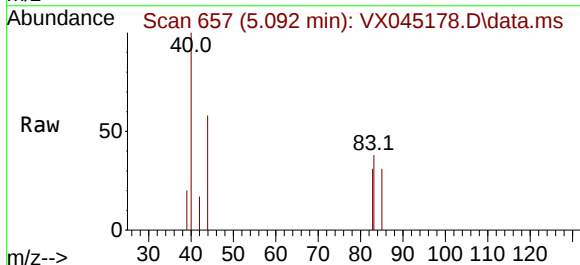
Acq: 06 Mar 2025 18:59

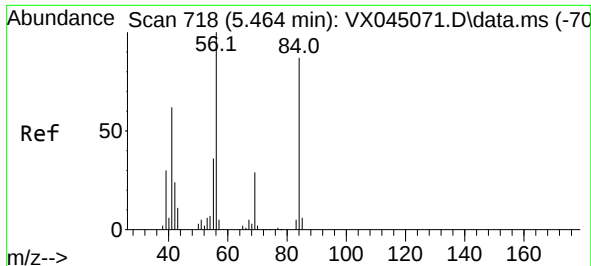
Tgt Ion: 83 Resp: 657

Ion Ratio Lower Upper

83 100

85 44.6 51.4 77.2#

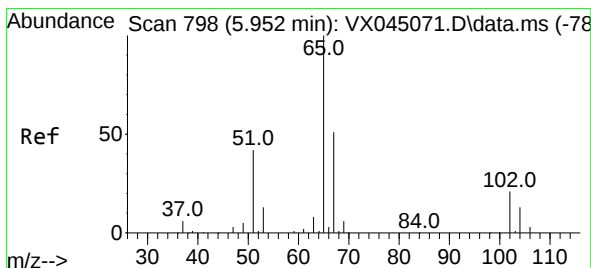
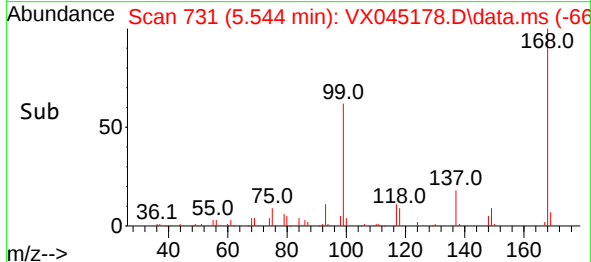
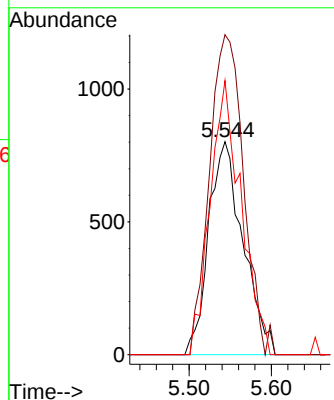
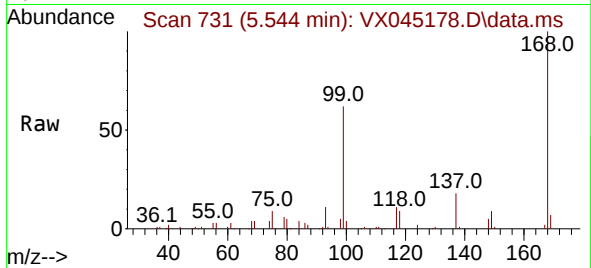




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

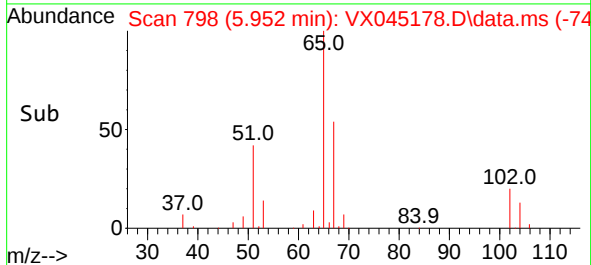
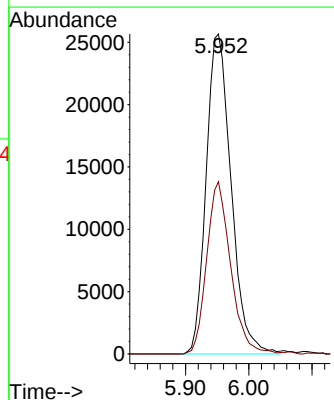
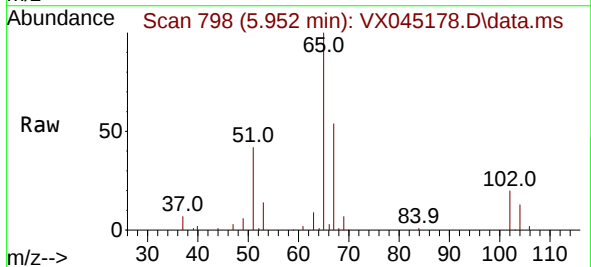
Instrument :
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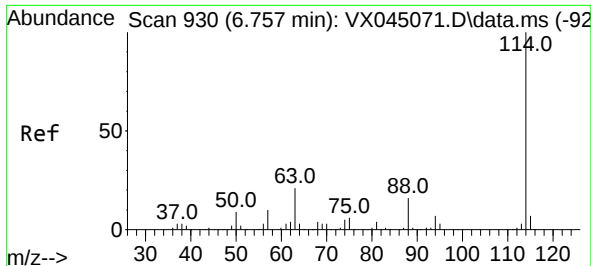
Tgt Ion: 56 Resp: 2334
Ion Ratio Lower Upper
56 100
69 150.2 23.4 35.2#
84 128.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 52.982 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 65 Resp: 70432
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.2

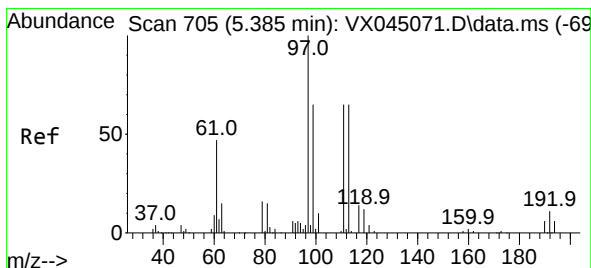
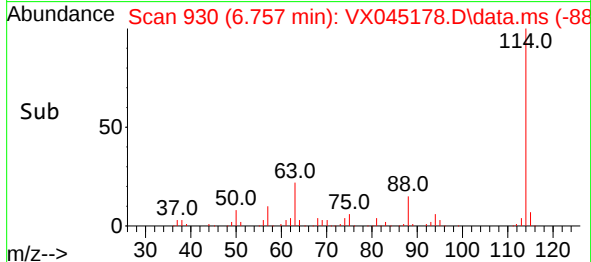
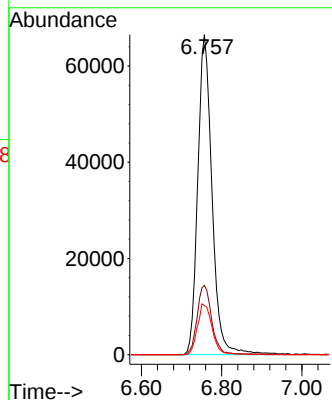
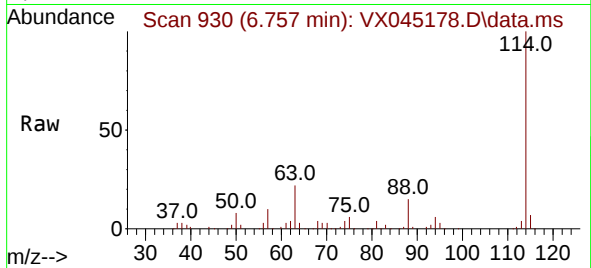




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

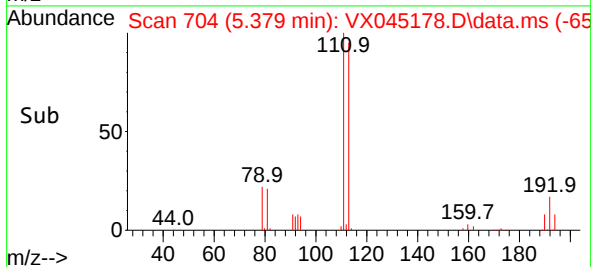
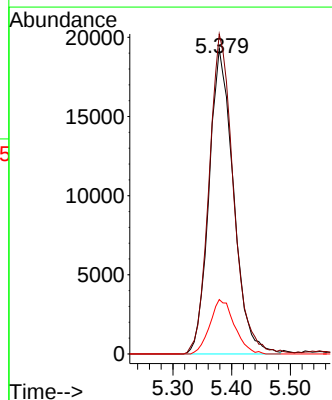
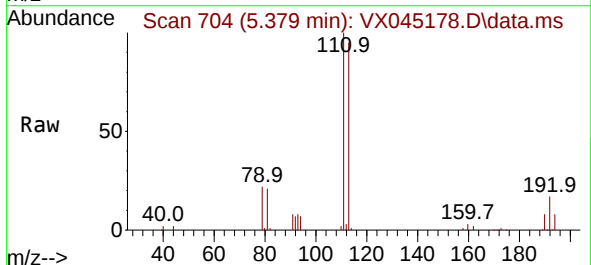
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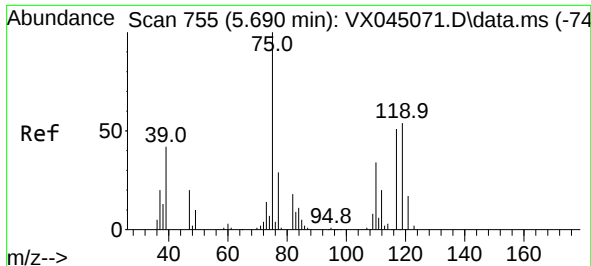
Tgt Ion:114 Resp: 164270
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.660 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion:113 Resp: 55647
Ion Ratio Lower Upper
113 100
111 104.7 81.8 122.6
192 17.9 14.3 21.5

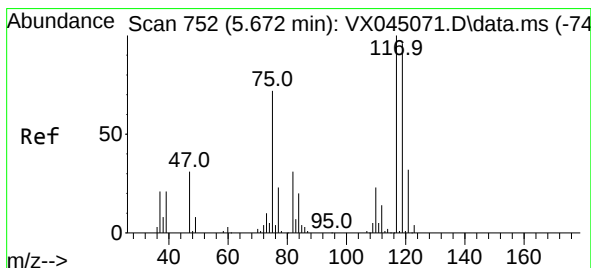
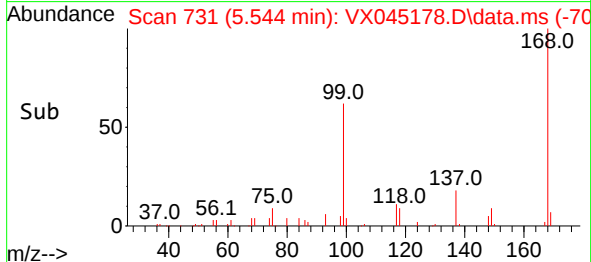
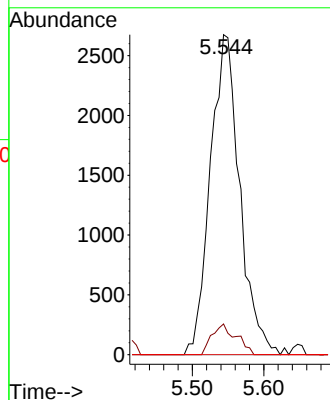
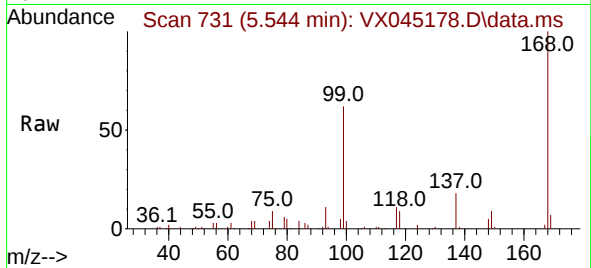




#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

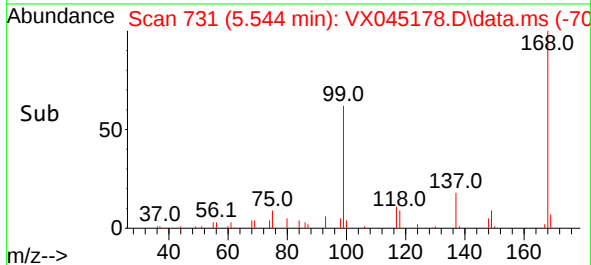
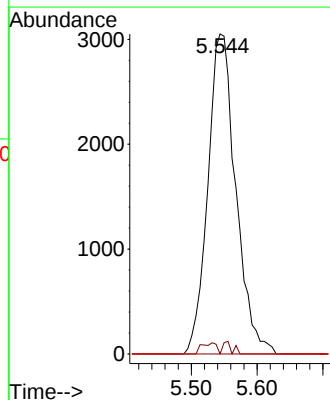
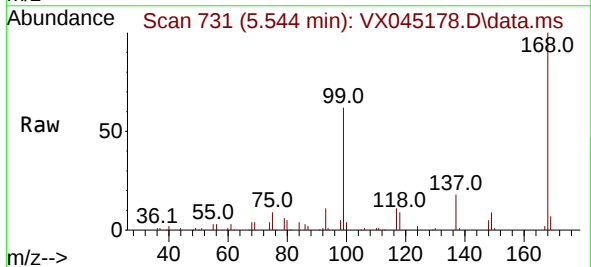
Instrument :
MSVOA_X
ClientSampleId :
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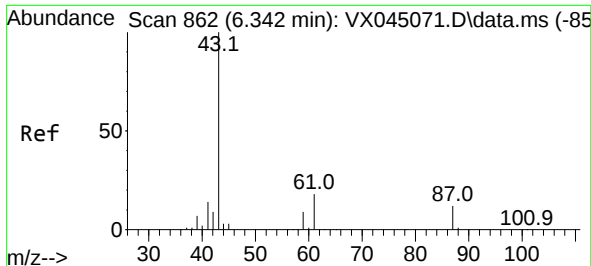
Tgt Ion: 75 Resp: 7621
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 117 Resp: 9023
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 25.5 38.3#

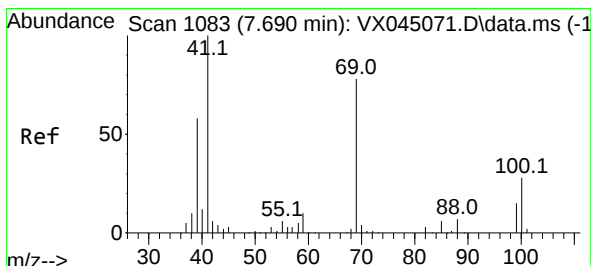
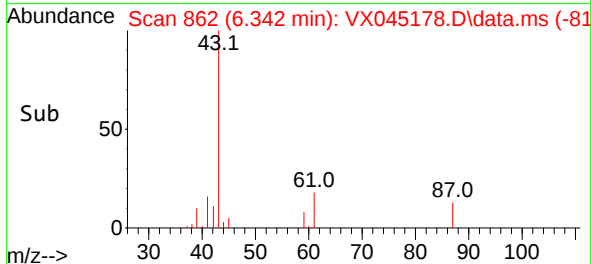
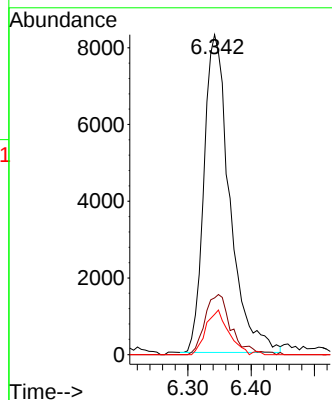
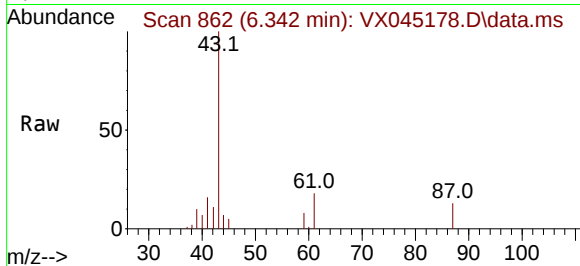




#43
Isopropyl Acetate
Concen: 8.174 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

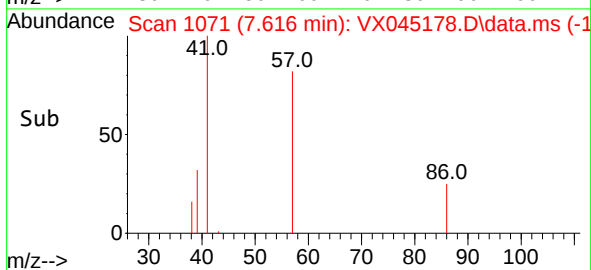
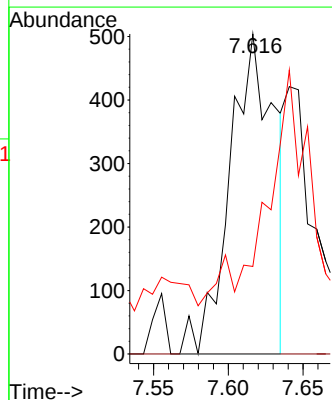
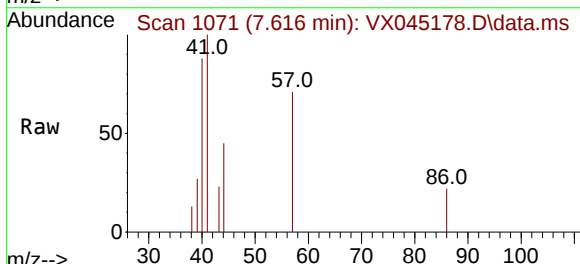
Instrument :
MSVOA_X
ClientSampleId :
SOIL

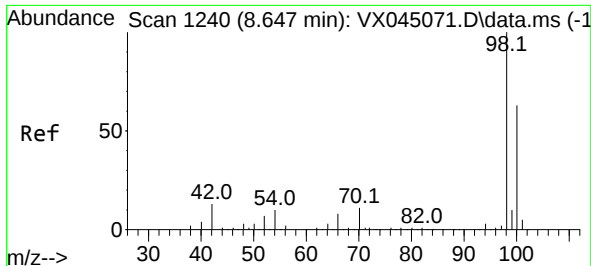
Tgt Ion: 43	Resp: 23463
Ion Ratio	Lower Upper
43	100
61	19.4 14.9 22.3
87	12.3 9.4 14.2



#48
Methyl methacrylate
Concen: 0.730 ug/l
RT: 7.616 min Scan# 1071
Delta R.T. -0.073 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 41	Resp: 1051
Ion Ratio	Lower Upper
41	100
69	0.0 63.0 94.6#
39	0.0 47.5 71.3#

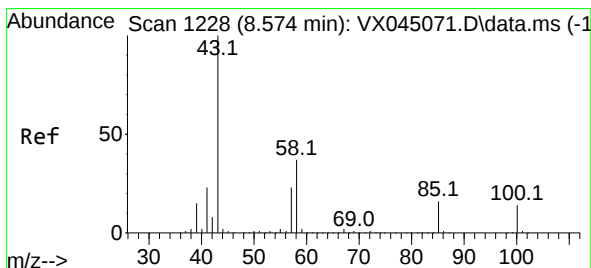
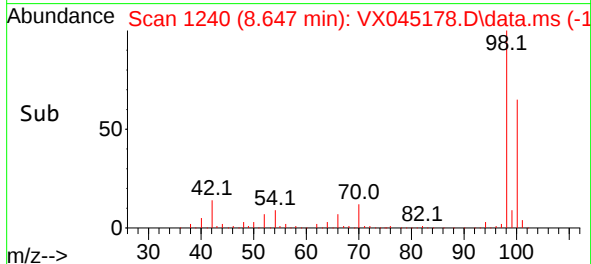
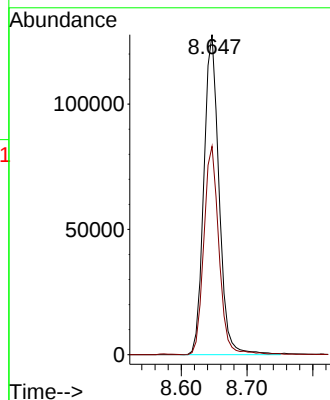
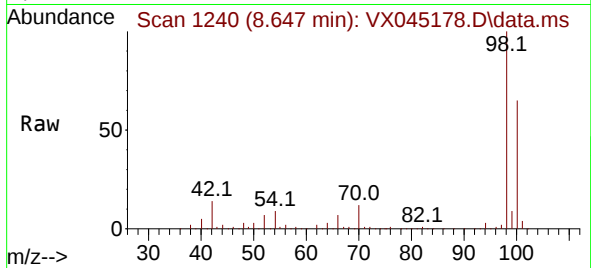




#50
Toluene-d8
Concen: 51.560 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

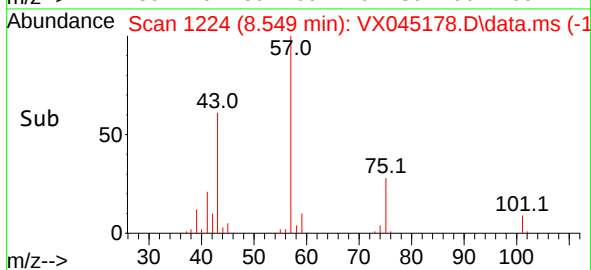
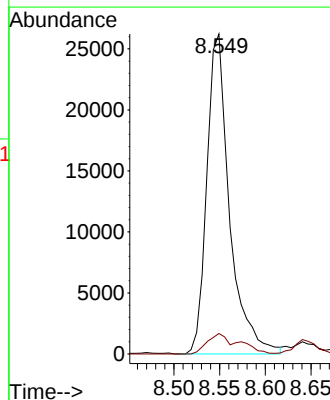
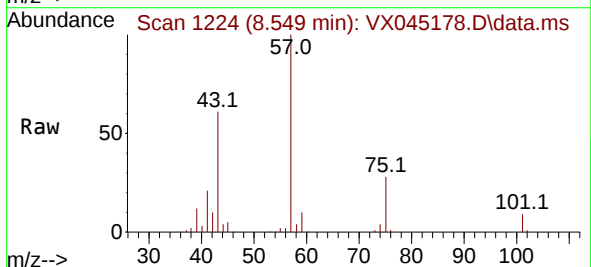
Instrument :
MSVOA_X
ClientSampleId :
SOIL

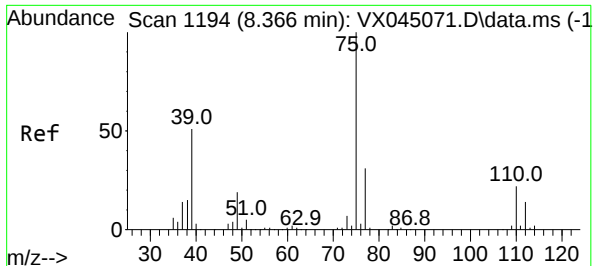
Tgt Ion: 98 Resp: 205322
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 23.469 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 43 Resp: 45231
Ion Ratio Lower Upper
43 100
58 6.4 29.2 43.8#

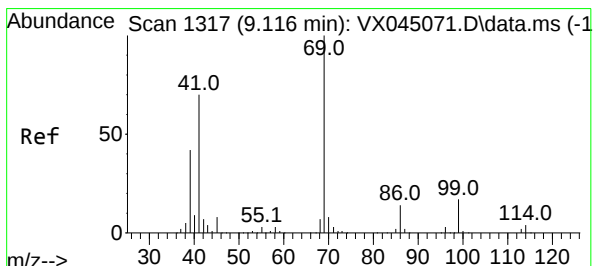
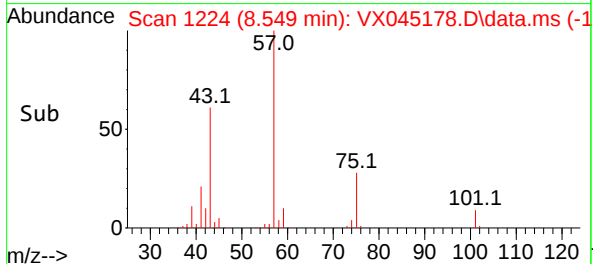
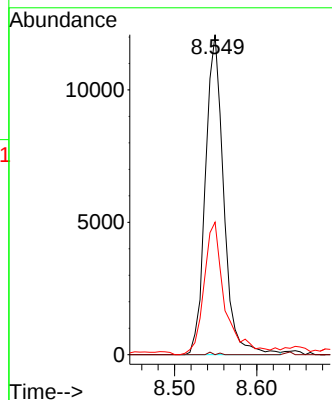
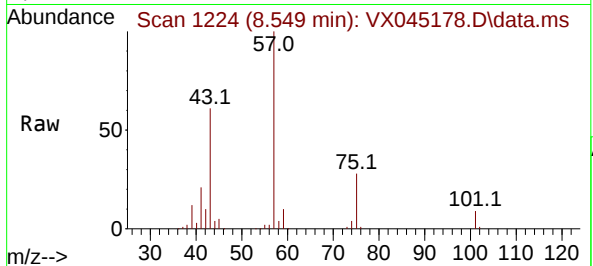




#54
 cis-1,3-Dichloropropene
 Concen: 11.308 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045178.D
 Acq: 06 Mar 2025 18:59

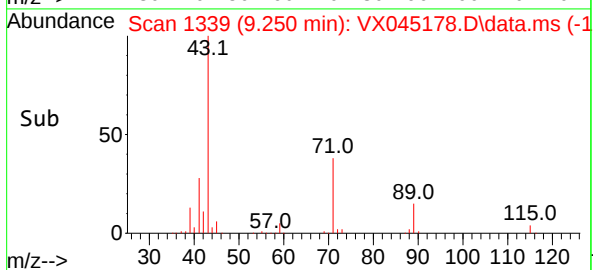
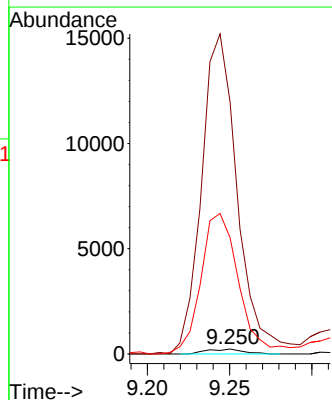
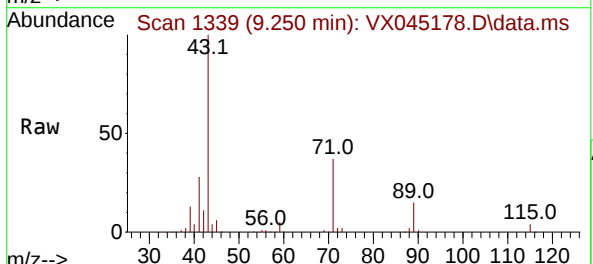
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL

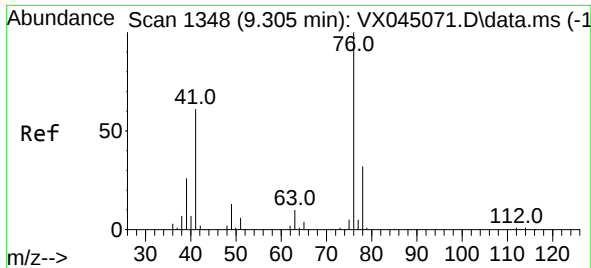
Tgt Ion: 75 Resp: 18692
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 41.4 40.7 61.1



#56
 Ethyl methacrylate
 Concen: 0.203 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX045178.D
 Acq: 06 Mar 2025 18:59

Tgt Ion: 69 Resp: 355
 Ion Ratio Lower Upper
 69 100
 41 6537.5 57.0 85.4#
 39 3011.3 34.2 51.4#





#57

1,3-Dichloropropane

Concen: 0.732 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045178.D

Acq: 06 Mar 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

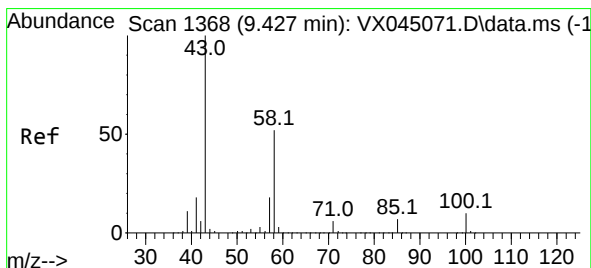
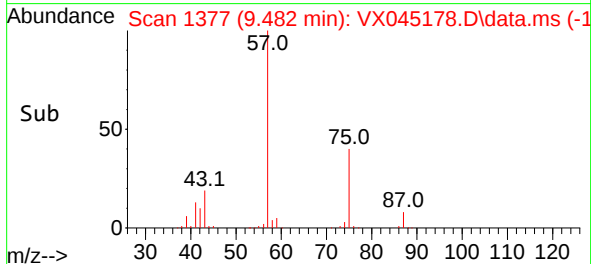
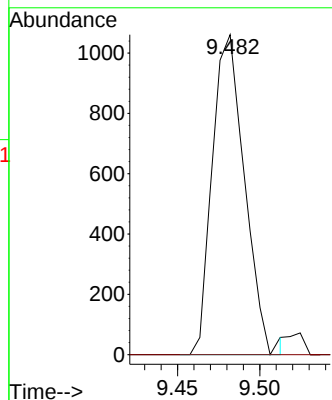
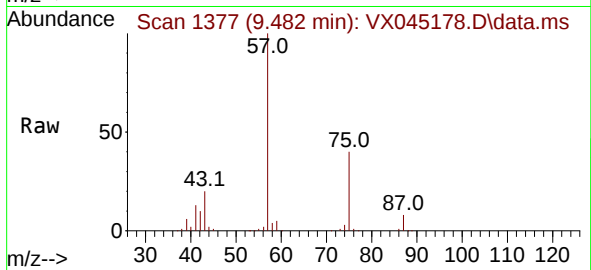
SOIL

Tgt Ion: 76 Resp: 1455

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 29.772 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045178.D

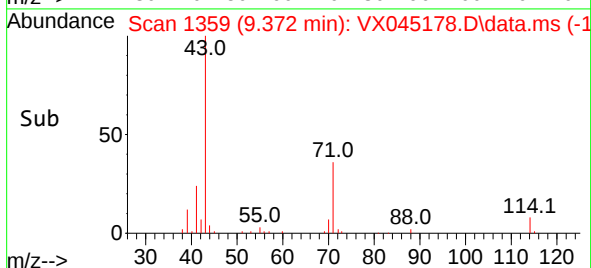
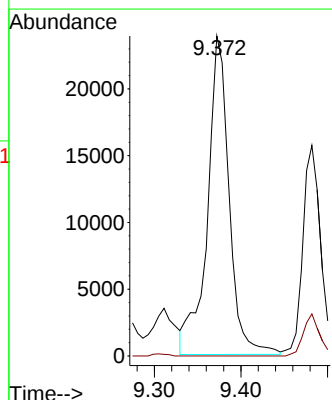
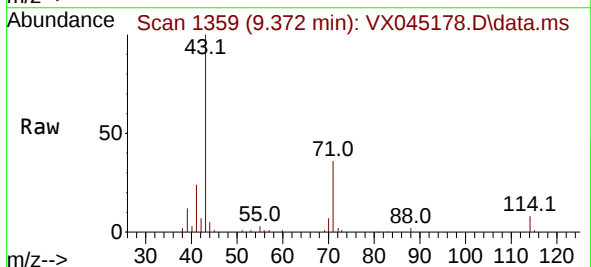
Acq: 06 Mar 2025 18:59

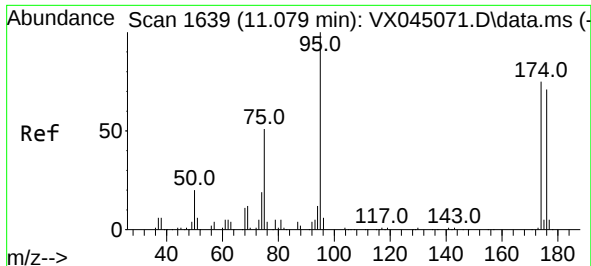
Tgt Ion: 43 Resp: 41573

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

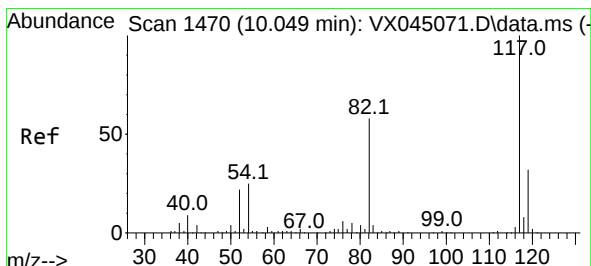
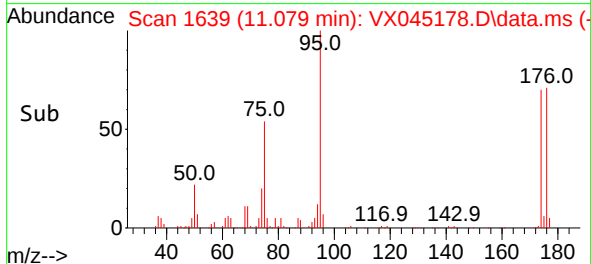
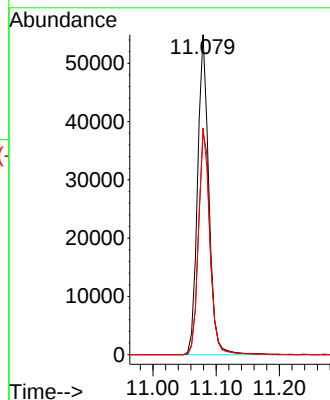
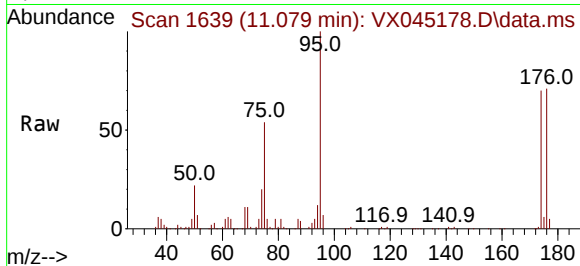




#62
4-Bromofluorobenzene
Concen: 51.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

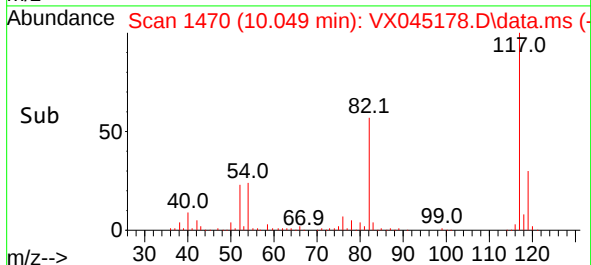
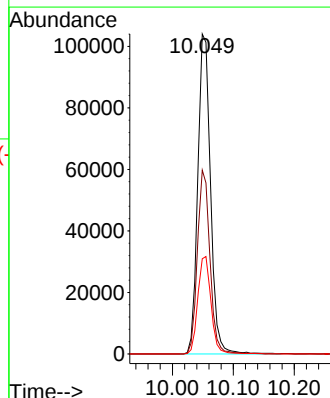
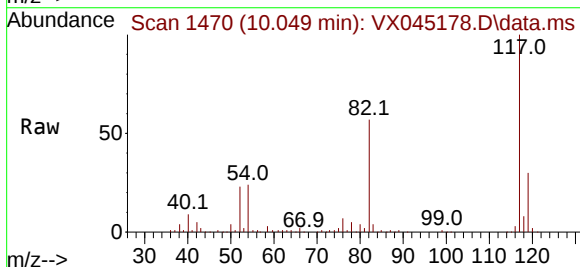
Instrument :
MSVOA_X
ClientSampleId :
SOIL

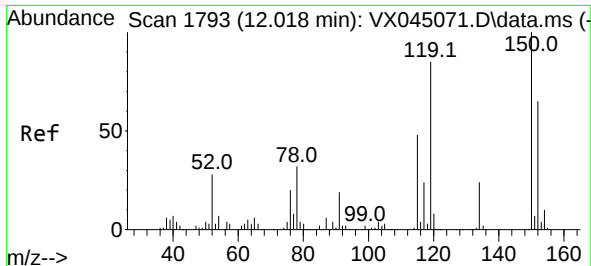
Tgt Ion: 95 Resp: 67974
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.2
176 71.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 117 Resp: 150977
Ion Ratio Lower Upper
117 100
82 57.4 46.3 69.5
119 29.8 25.7 38.5

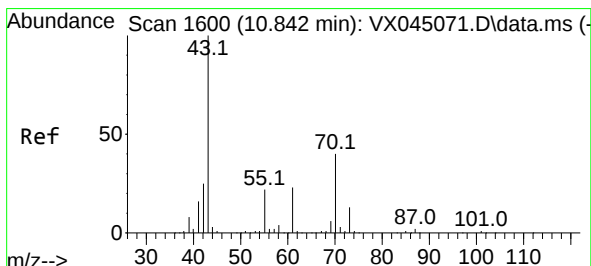
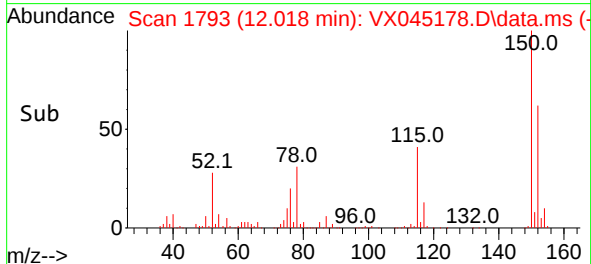
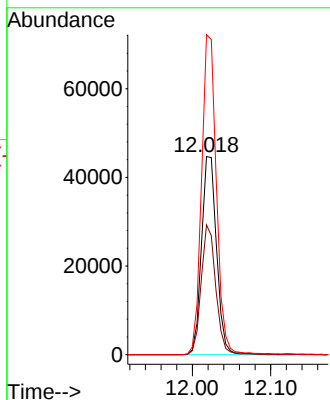
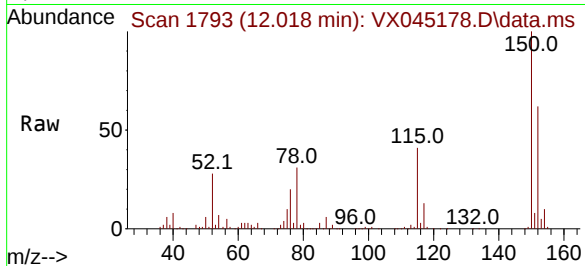




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

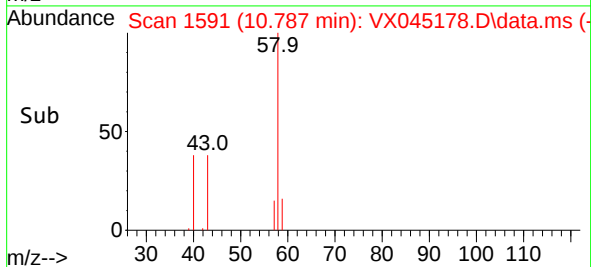
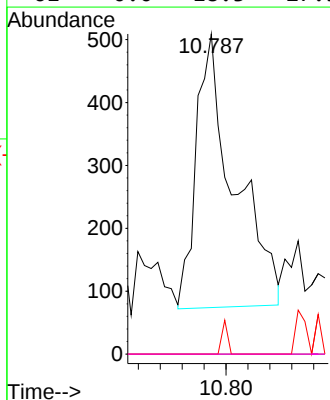
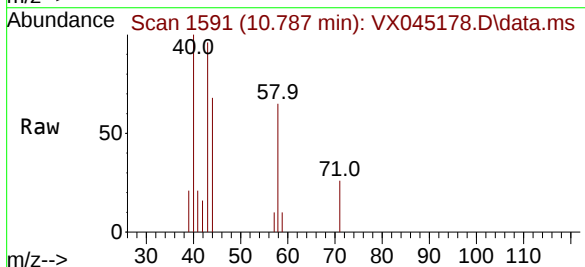
Instrument :
MSVOA_X
ClientSampleId :
SOIL

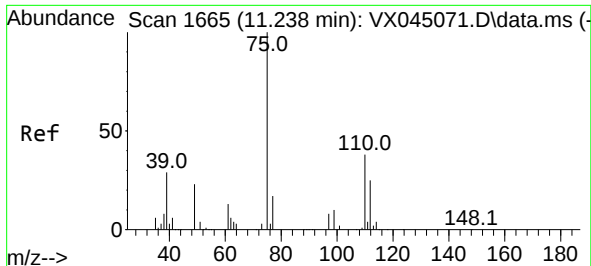
Tgt Ion:152 Resp: 59887
Ion Ratio Lower Upper
152 100
115 63.2 44.2 132.6
150 158.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.476 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 1.9 18.3 27.5#
61 0.0 18.3 27.5#

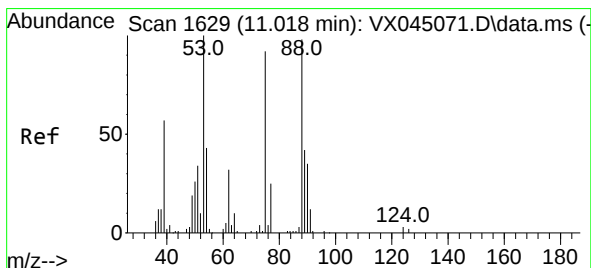
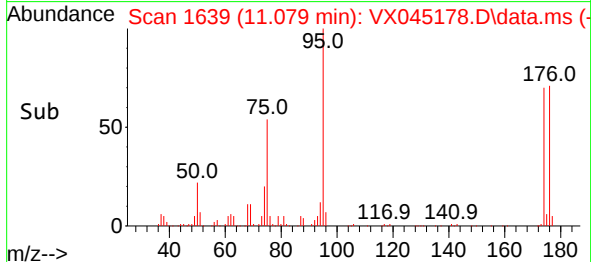
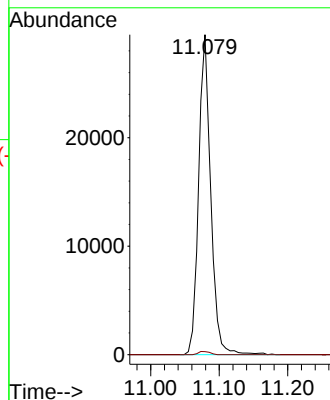
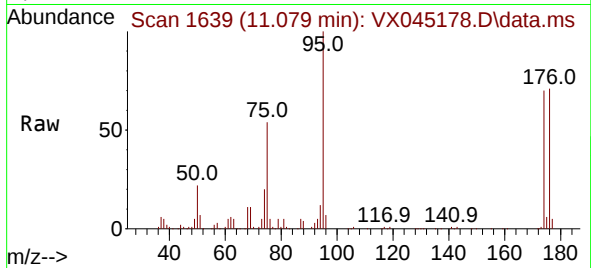




#76
1,2,3-Trichloropropane
Concen: 26.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
SOIL

Tgt Ion: 75 Resp: 36251
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045178.D
Acq: 06 Mar 2025 18:59

Tgt Ion: 75 Resp: 36251
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

