

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045307.D
 Acq On : 17 Mar 2025 15:49
 Operator : JC/MD
 Sample : Q1569-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-031325-01

Quant Time: Mar 18 01:29:13 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

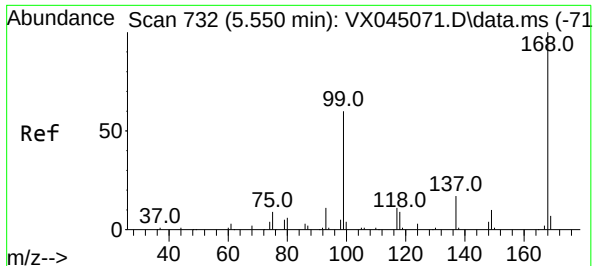
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.549	168	76405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67070	55.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.380%			
35) Dibromofluoromethane	5.379	113	52849	52.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.260%			
50) Toluene-d8	8.646	98	192535	52.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	11.079	95	62619	51.907	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.820%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	4093	17.780	ug/l #	94
13) Acrolein	2.233	56	339	1.274	ug/l	85
16) Acetone	2.385	43	51564	91.445	ug/l	96
18) Methyl Acetate	2.702	43	17972	13.249	ug/l	98
20) Methylene Chloride	2.782	84	3603	3.226	ug/l	95
25) 2-Butanone	4.568	43	25648	30.218	ug/l	97
29) Tetrahydrofuran	5.025	42	5150	9.035	ug/l	94
30) Chloroform	5.092	83	386	0.204	ug/l #	82
31) Cyclohexane	5.543	56	2220	1.343	ug/l #	19
36) 1,1-Dichloropropene	5.549	75	7401	5.374	ug/l #	50
37) Ethyl Acetate	4.739	43	4556	2.567	ug/l	97
38) Carbon Tetrachloride	5.543	117	8637	6.177	ug/l #	18
41) Methacrylonitrile	5.025	41	2824	2.943	ug/l #	50
43) Isopropyl Acetate	6.342	43	78369	29.865	ug/l	99
48) Methyl methacrylate	7.610	41	2616	1.987	ug/l #	15
49) 1,4-Dioxane	7.799	88	26	0.936	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	58281	33.078	ug/l #	48
53) t-1,3-Dichloropropene	8.957	75	292	0.225	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	23612	15.625	ug/l #	69
56) Ethyl methacrylate	9.244	69	435	0.272	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2201	1.211	ug/l #	43
59) 2-Hexanone	9.433	43	8174	6.403	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	34386	27.528	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34386	94.204	ug/l #	6

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

Quant Time: Mar 18 01:29:13 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

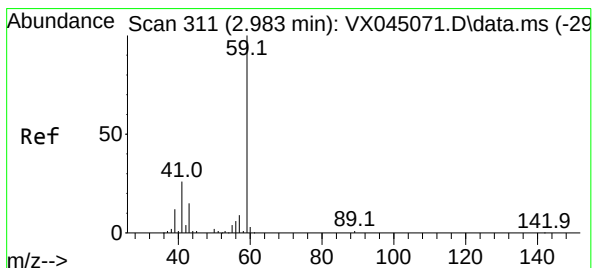
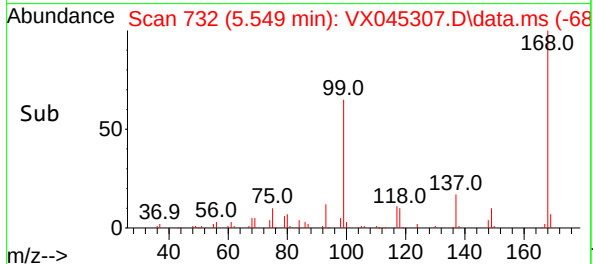
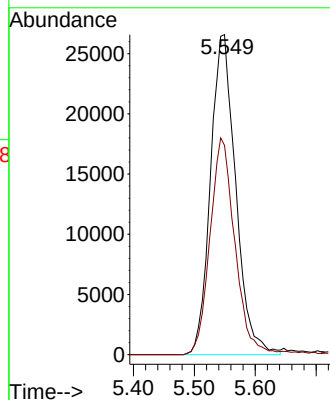
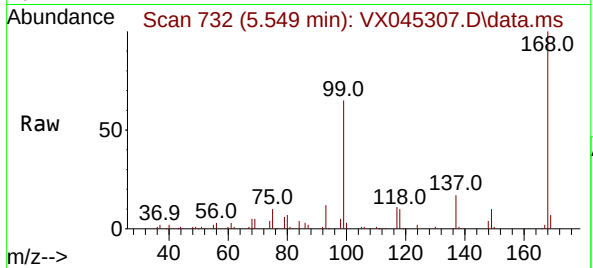




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

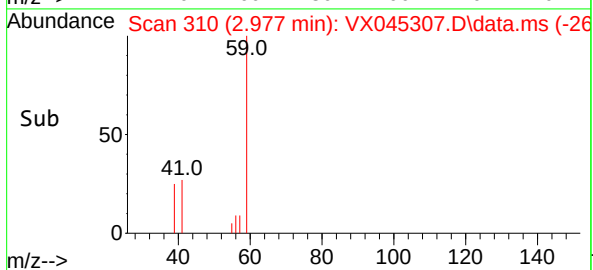
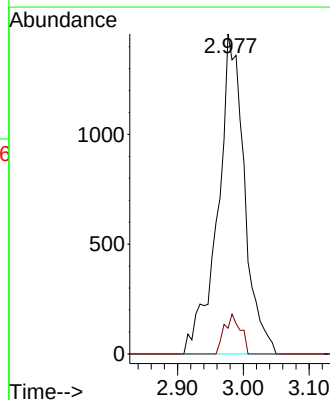
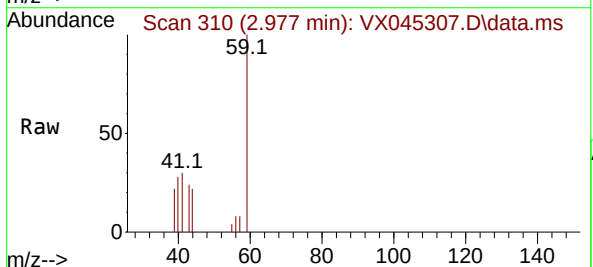
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

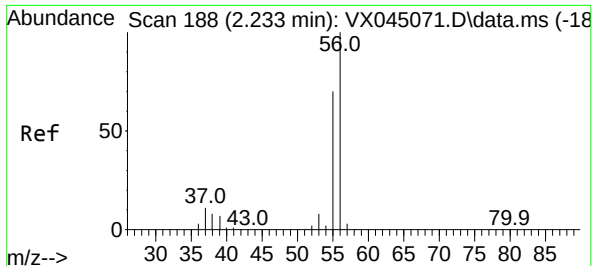
Tgt Ion:168 Resp: 76405
Ion Ratio Lower Upper
168 100
99 65.4 48.2 72.4



#11
Tert butyl alcohol
Concen: 17.780 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 59 Resp: 4093
Ion Ratio Lower Upper
59 100
57 7.5 7.8 11.8#

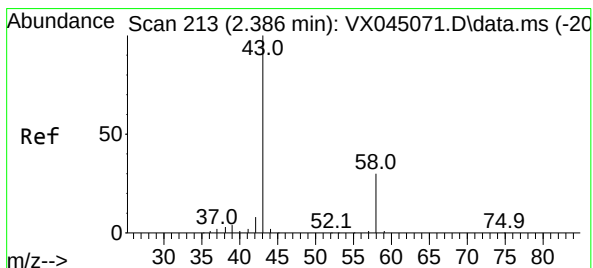
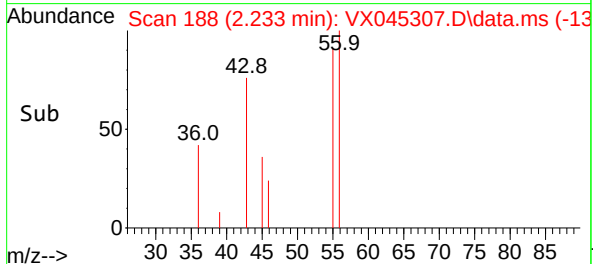
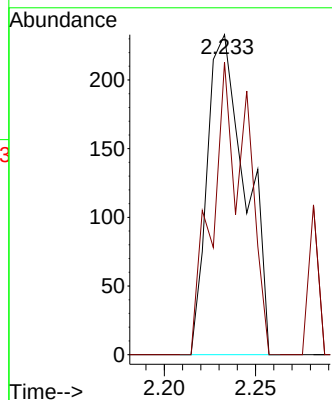
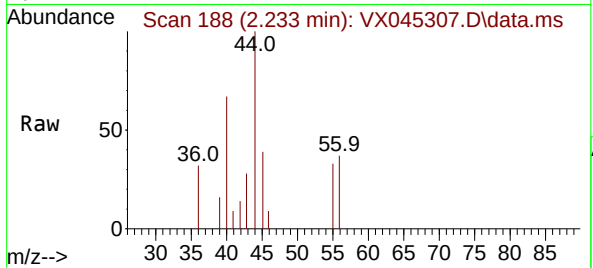




#13
Acrolein
Concen: 1.274 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

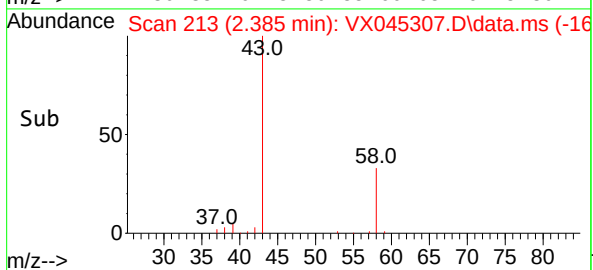
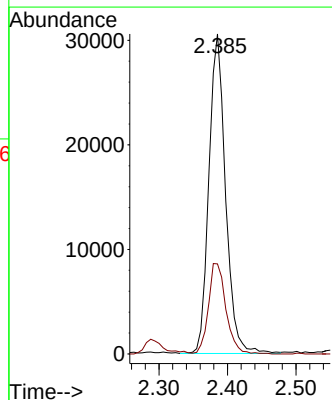
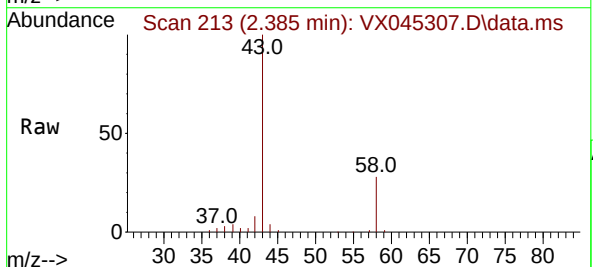
Instrument : MSVOA_X
ClientSampleId : TAP-IDW-SOIL-031325-01

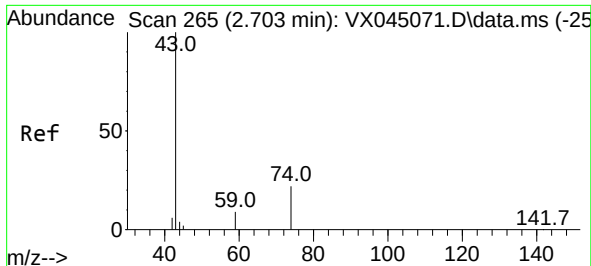
Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 82.9 56.2 84.4



#16
Acetone
Concen: 91.445 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 43 Resp: 51564
Ion Ratio Lower Upper
43 100
58 28.2 24.2 36.4

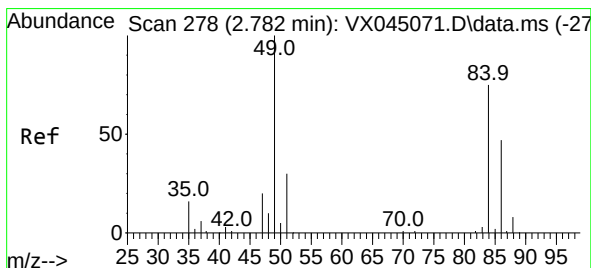
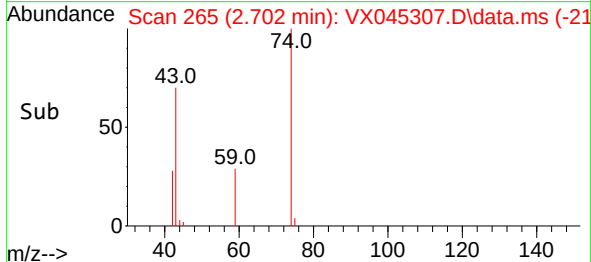
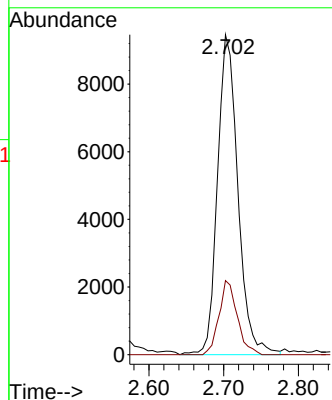
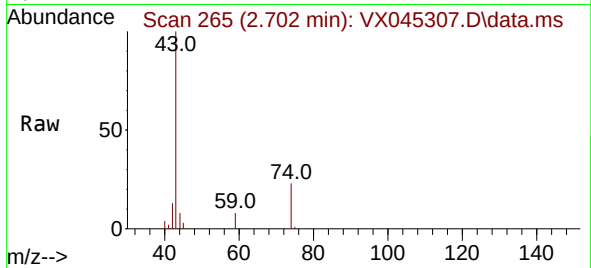




#18
Methyl Acetate
Concen: 13.249 ug/l
RT: 2.702 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

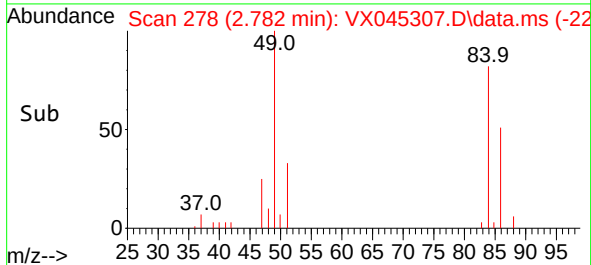
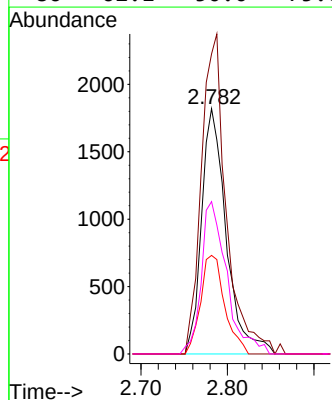
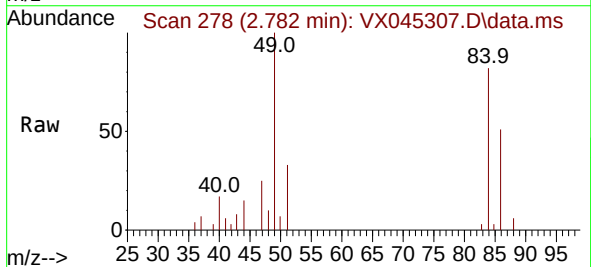
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

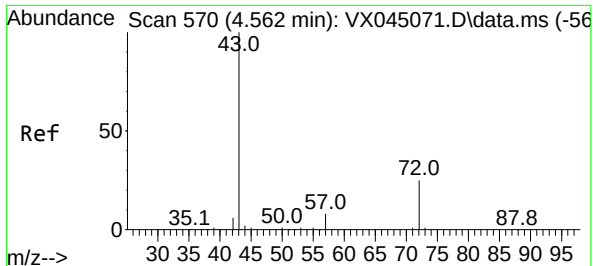
Tgt Ion: 43 Resp: 17972
Ion Ratio Lower Upper
43 100
74 20.6 17.4 26.2



#20
Methylene Chloride
Concen: 3.226 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 84 Resp: 3603
Ion Ratio Lower Upper
84 100
49 122.3 106.5 159.7
51 40.2 32.1 48.1
86 62.1 50.0 75.0

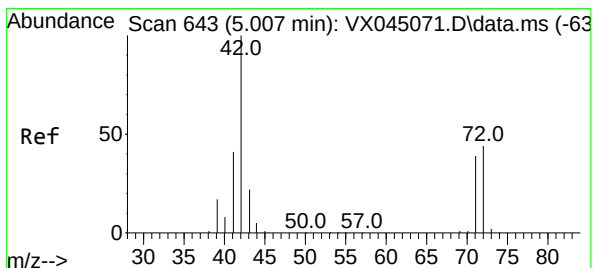
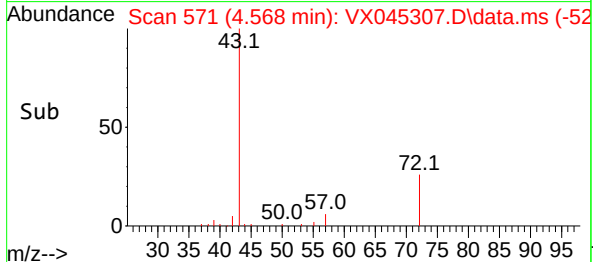
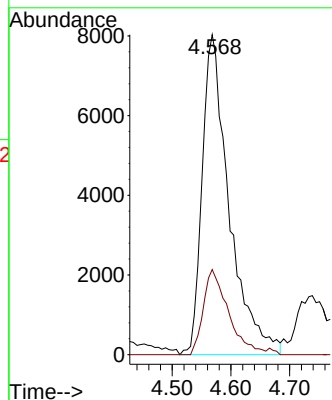
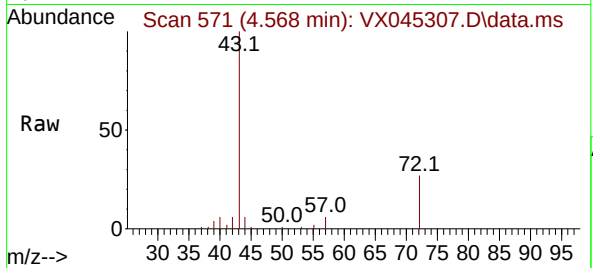




#25
2-Butanone
Concen: 30.218 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

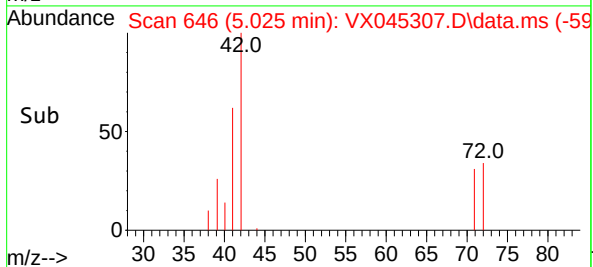
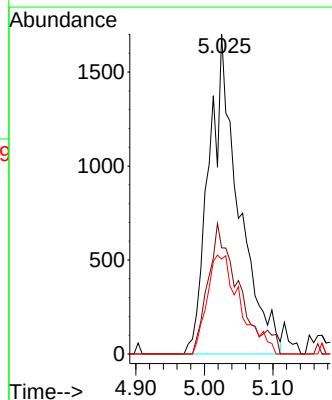
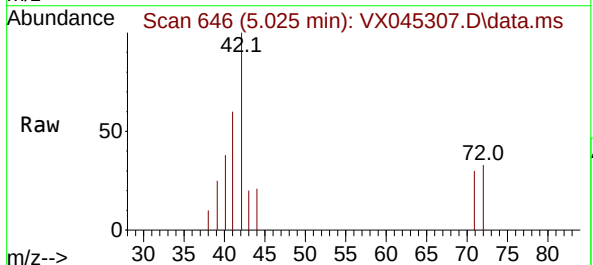
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

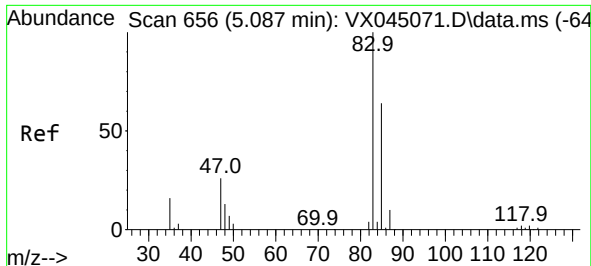
Tgt Ion: 43 Resp: 25648
Ion Ratio Lower Upper
43 100
72 26.6 20.0 30.0



#29
Tetrahydrofuran
Concen: 9.035 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 42 Resp: 5150
Ion Ratio Lower Upper
42 100
72 39.8 34.1 51.1
71 34.6 31.4 47.0





#30

Chloroform

Concen: 0.204 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX045307.D

Acq: 17 Mar 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

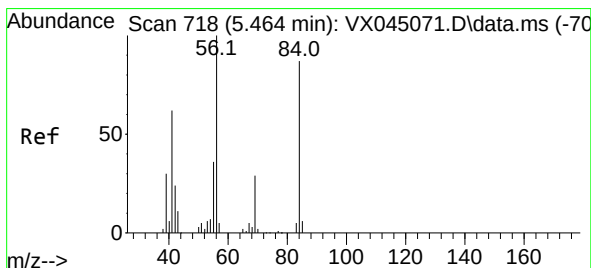
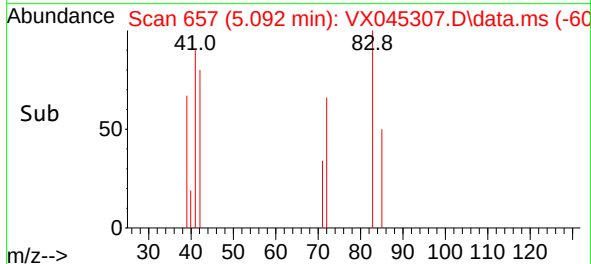
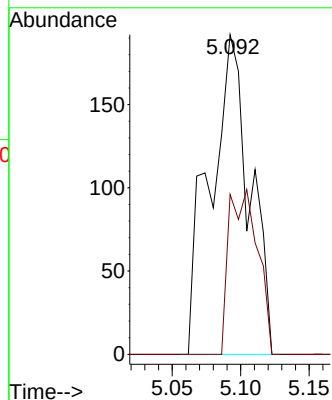
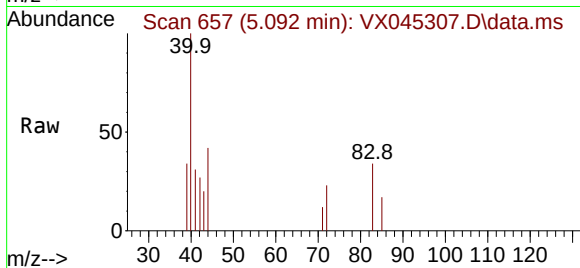
TAP-IDW-SOIL-031325-01

Tgt Ion: 83 Resp: 386

Ion Ratio Lower Upper

83 100

85 50.0 51.4 77.2#



#31

Cyclohexane

Concen: 1.343 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045307.D

Acq: 17 Mar 2025 15:49

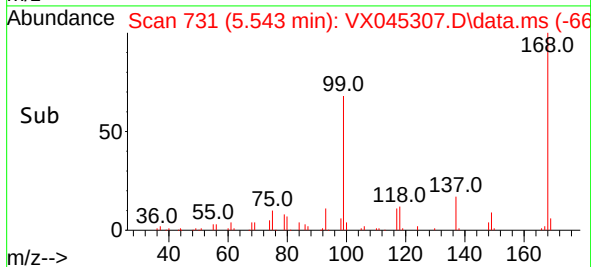
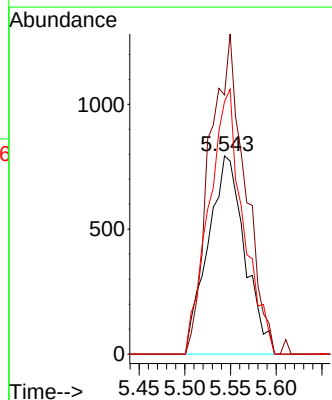
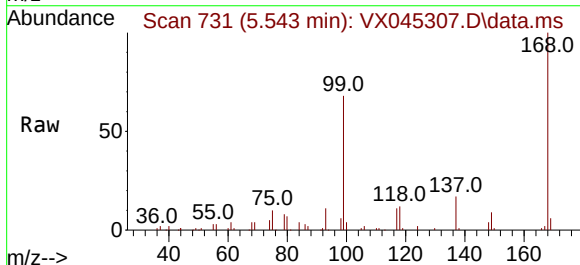
Tgt Ion: 56 Resp: 2220

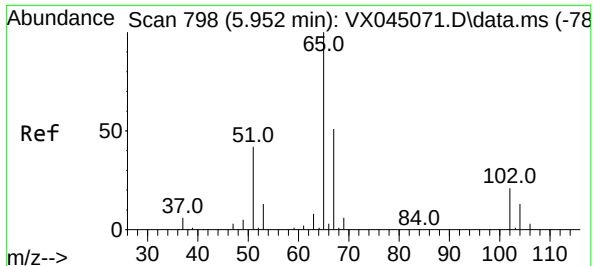
Ion Ratio Lower Upper

56 100

69 130.7 23.4 35.2#

84 127.3 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 55.187 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045307.D

Acq: 17 Mar 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

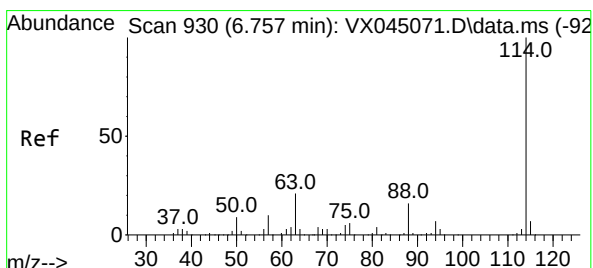
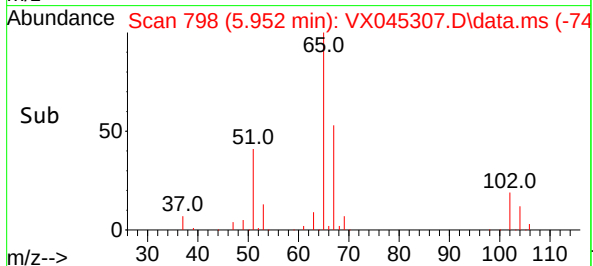
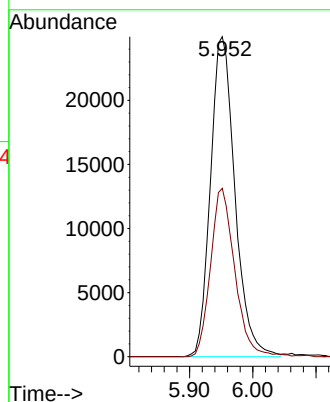
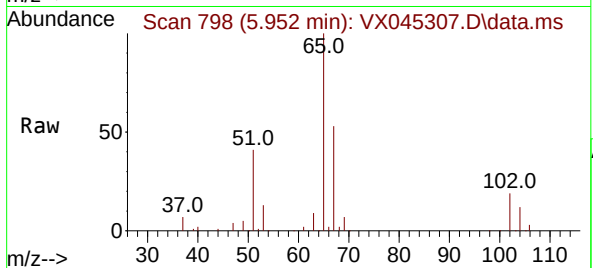
TAP-IDW-SOIL-031325-01

Tgt Ion: 65 Resp: 67070

Ion Ratio Lower Upper

65 100

67 52.1 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: VX045307.D

Acq: 17 Mar 2025 15:49

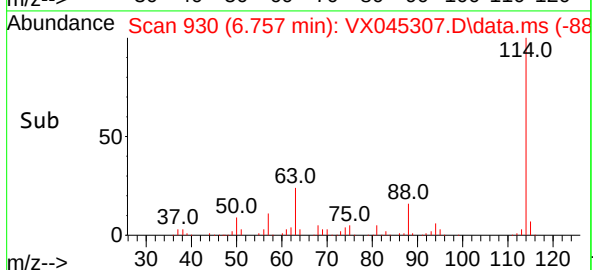
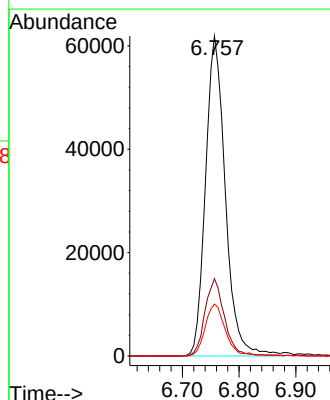
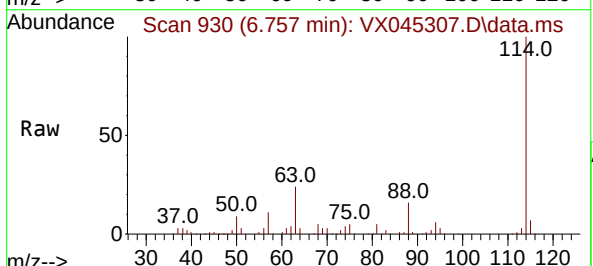
Tgt Ion: 114 Resp: 150178

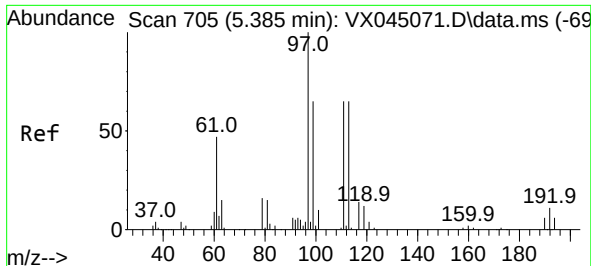
Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.8

88 16.2 0.0 32.8

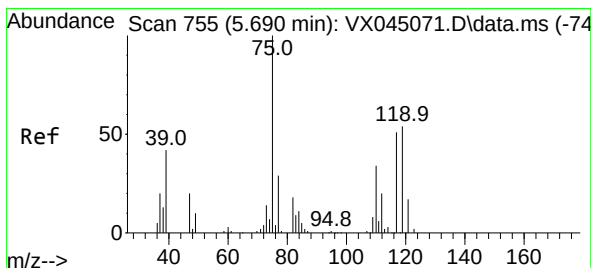
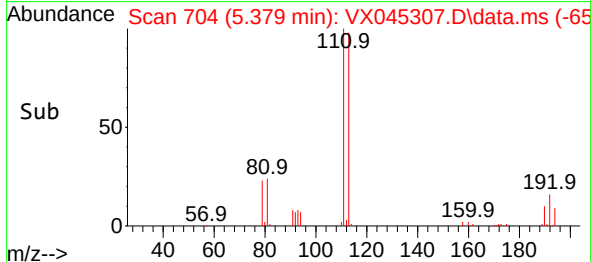
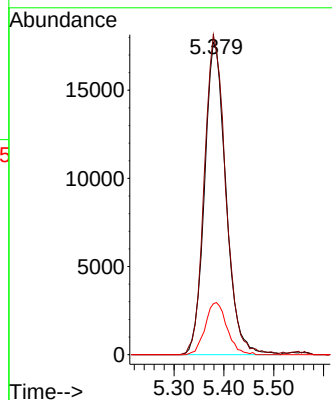
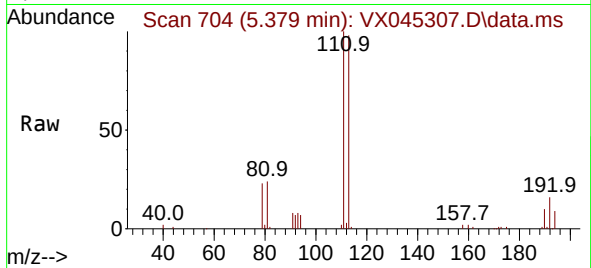




#35
Dibromofluoromethane
Concen: 52.628 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

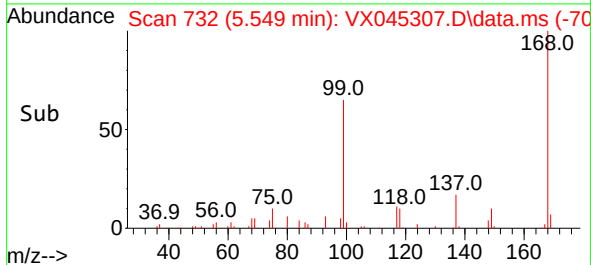
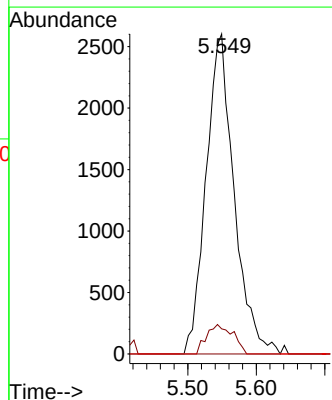
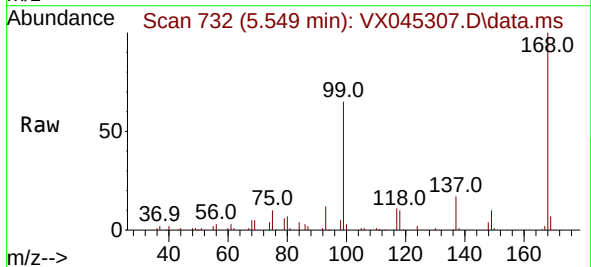
Instrument :
MSVOA_X
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TAP-IDW-SOIL-031325-01

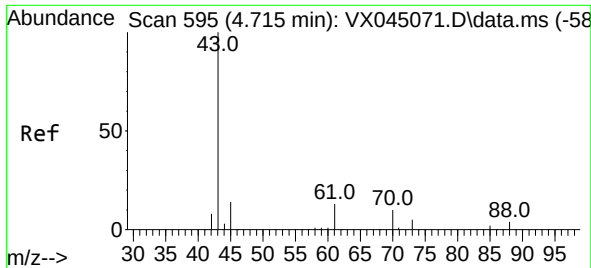
Tgt Ion:113 Resp: 52849
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.9 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.374 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 75 Resp: 7401
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.6#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 2.567 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.024 min

Lab File: VX045307.D

Acq: 17 Mar 2025 15:49

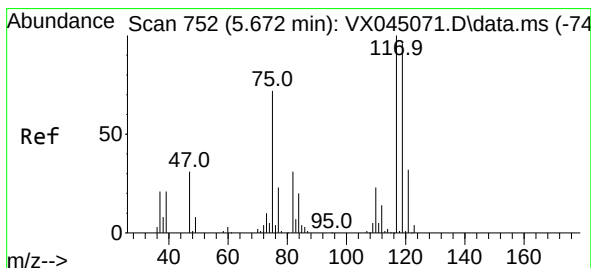
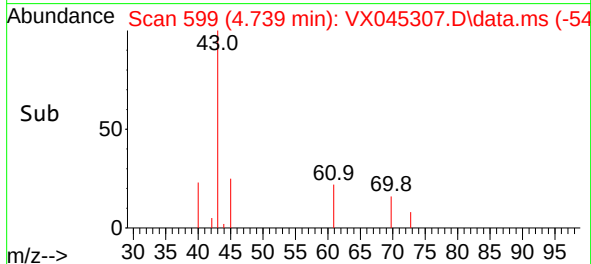
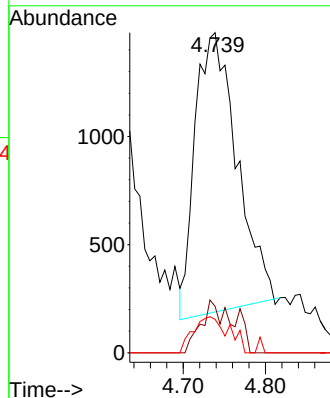
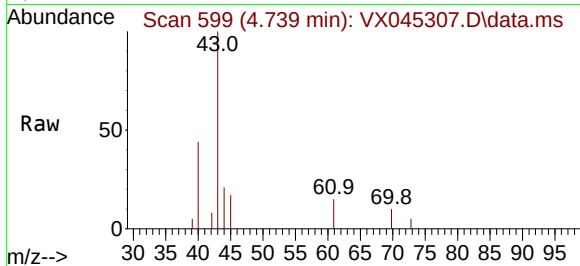
Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-031325-01

Tgt Ion:	43	Resp:	4556
Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.8	16.2
70	8.7	7.7	11.5



#38

Carbon Tetrachloride

Concen: 6.177 ug/l

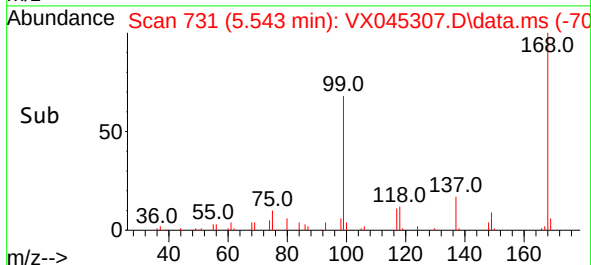
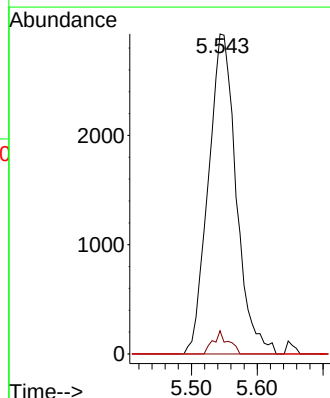
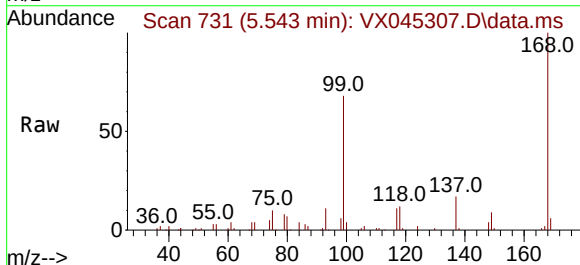
RT: 5.543 min Scan# 731

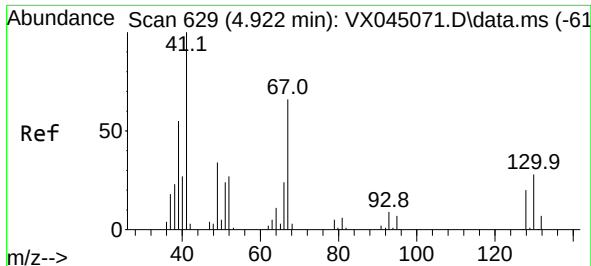
Delta R.T. -0.128 min

Lab File: VX045307.D

Acq: 17 Mar 2025 15:49

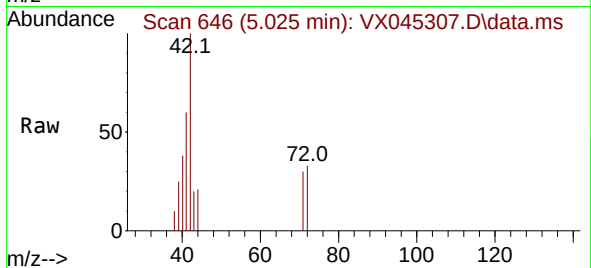
Tgt Ion:	117	Resp:	8637
Ion	Ratio	Lower	Upper
117	100		
119	7.3	76.7	115.1#
121	0.0	25.5	38.3#



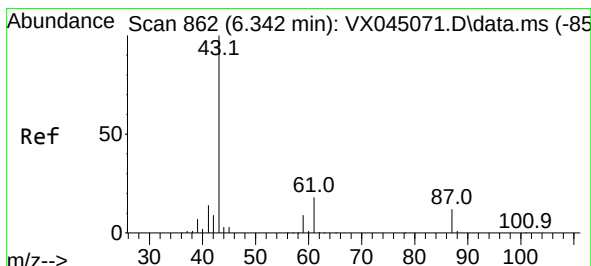
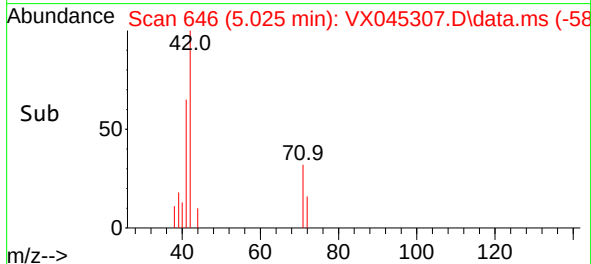
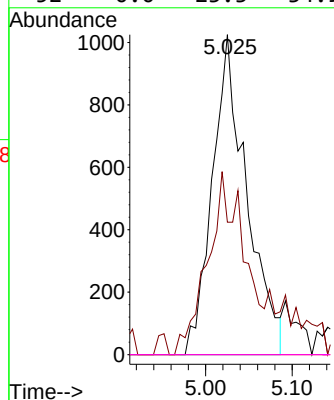


#41
Methacrylonitrile
Concen: 2.943 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

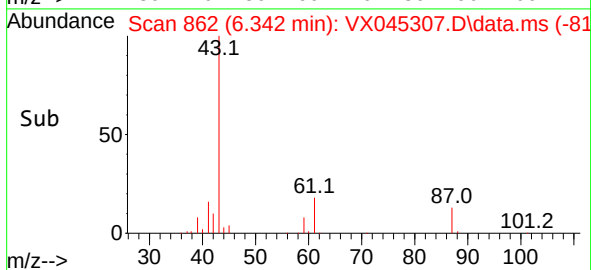
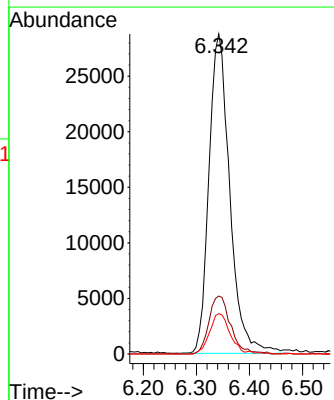
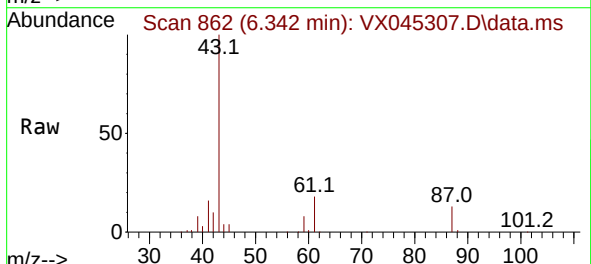


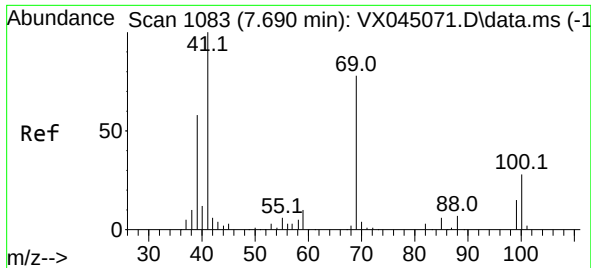
Tgt Ion:	41	Resp:	2824
Ion	Ratio	Lower	Upper
41	100		
39	61.1	44.6	67.0
67	0.0	53.9	80.9#
52	0.0	23.3	34.9#



#43
Isopropyl Acetate
Concen: 29.865 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion:	43	Resp:	78369
Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.9	22.3
87	12.6	9.4	14.2

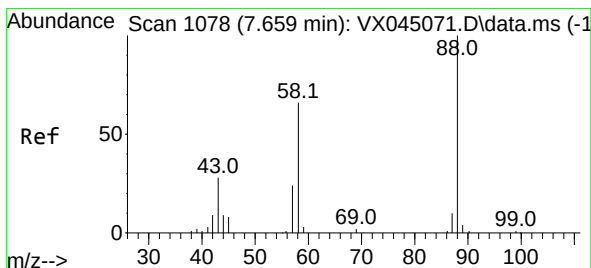
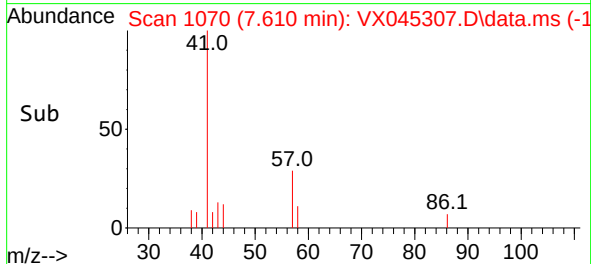
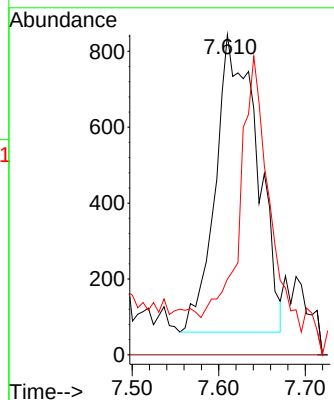
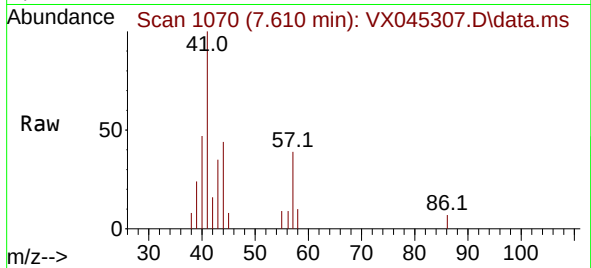




#48
Methyl methacrylate
Concen: 1.987 ug/l
RT: 7.610 min Scan# 1100
Delta R.T. -0.080 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

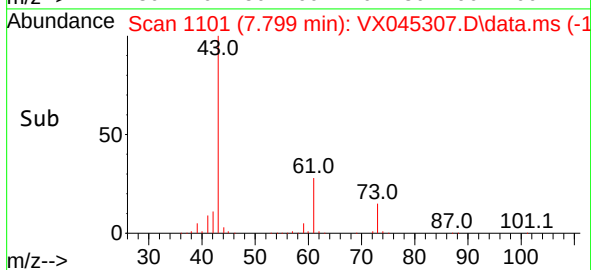
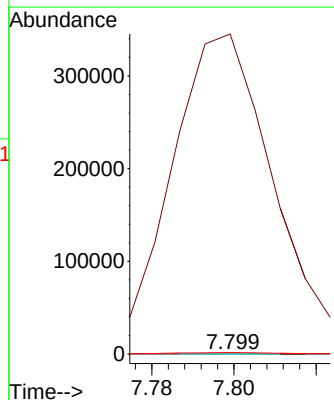
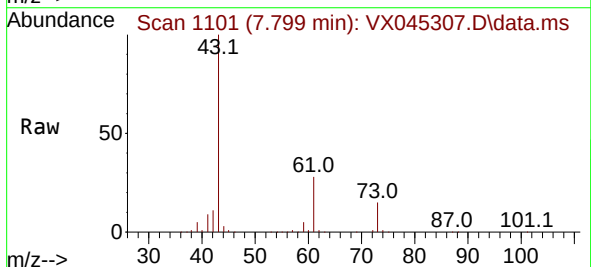
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

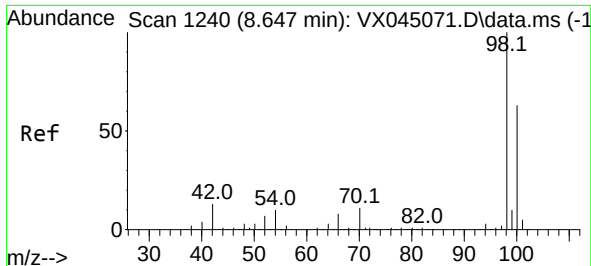
Tgt Ion: 41 Resp: 2616
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 0.936 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 2397061.5 28.7 43.1#
58 10861.5 55.8 83.8#

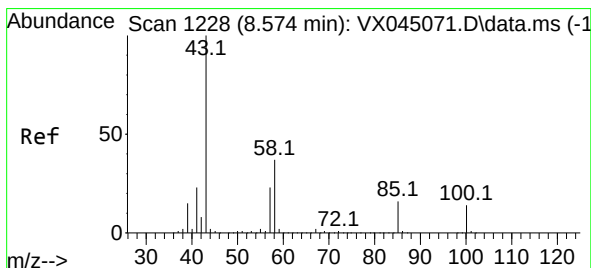
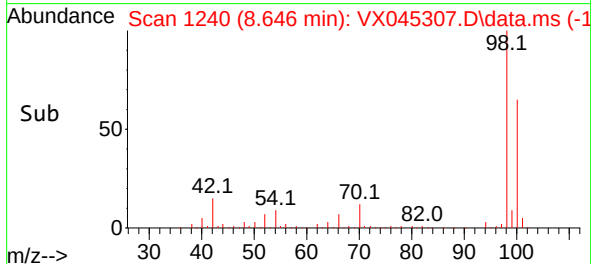
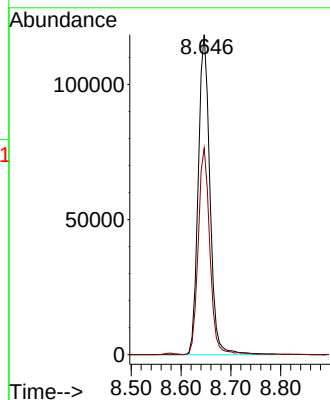
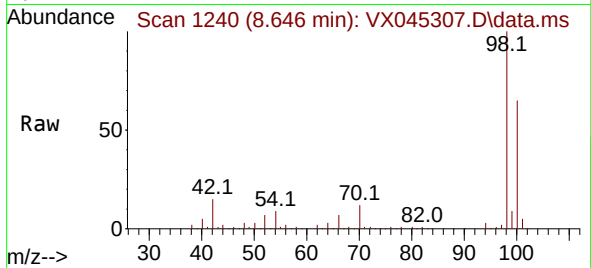




#50
Toluene-d8
Concen: 52.886 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

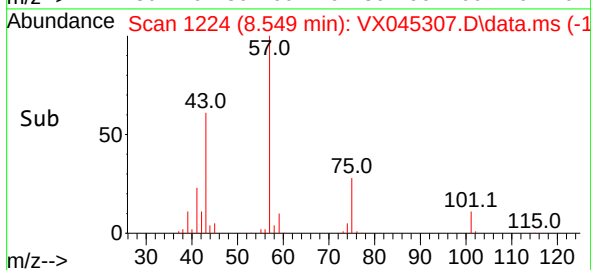
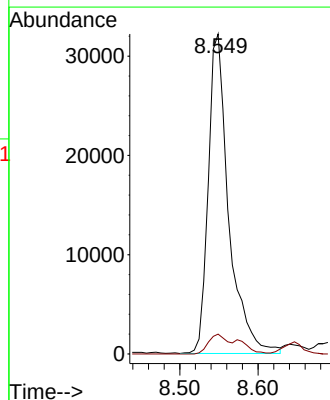
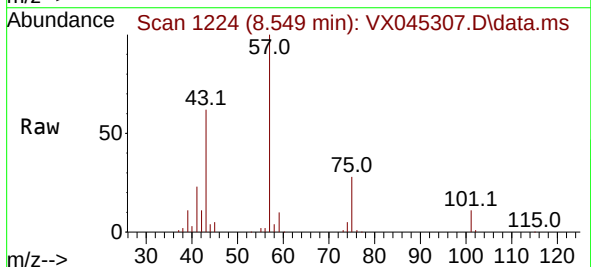
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

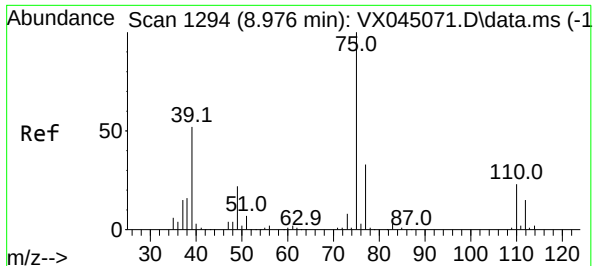
Tgt Ion: 98 Resp: 192535
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 33.078 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 43 Resp: 58281
Ion Ratio Lower Upper
43 100
58 6.0 29.2 43.8#

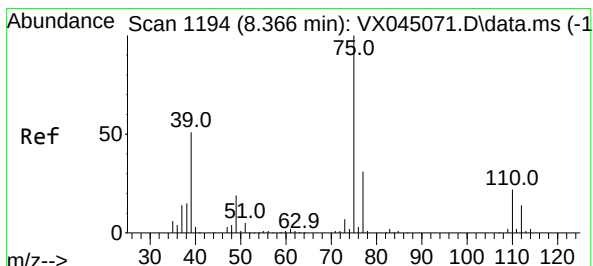
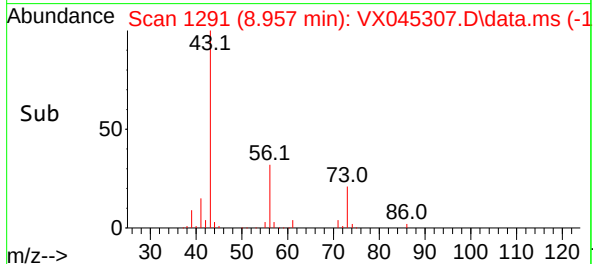
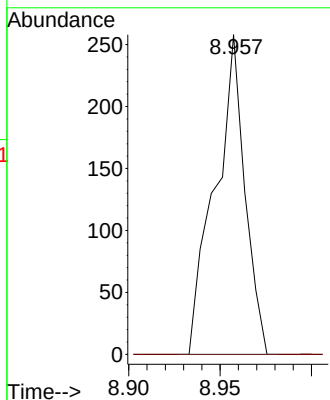
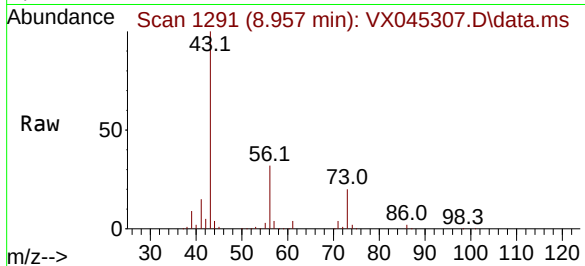




#53
 t-1,3-Dichloropropene
 Concen: 0.225 ug/l
 RT: 8.957 min Scan# 1122
 Delta R.T. -0.019 min
 Lab File: VX045307.D
 Acq: 17 Mar 2025 15:49

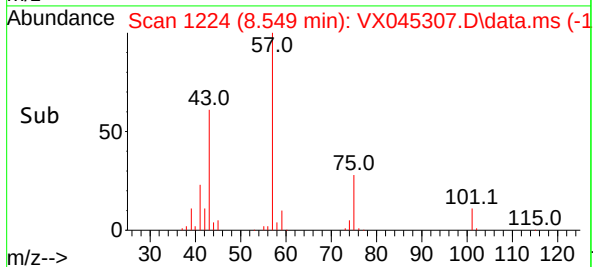
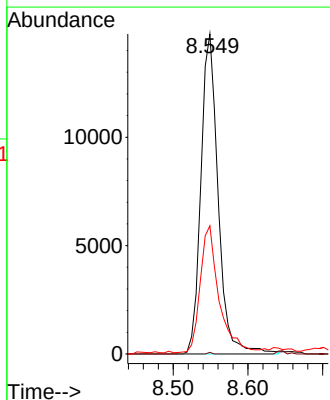
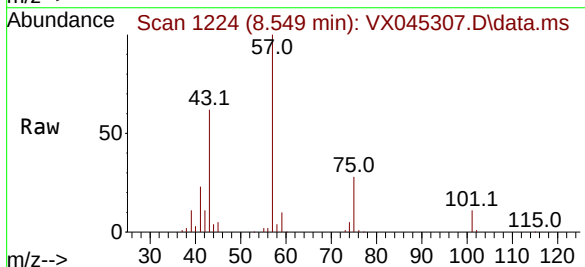
Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-031325-01

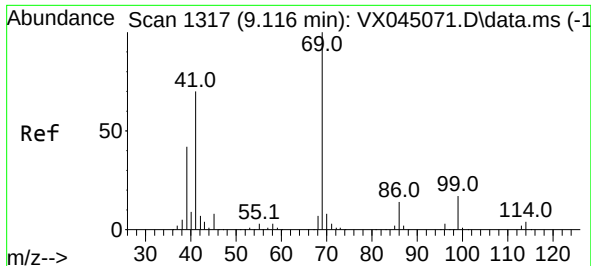
Tgt Ion: 75 Resp: 292
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 15.625 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.182 min
 Lab File: VX045307.D
 Acq: 17 Mar 2025 15:49

Tgt Ion: 75 Resp: 23612
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.7 37.1#
 39 39.6 40.7 61.1#

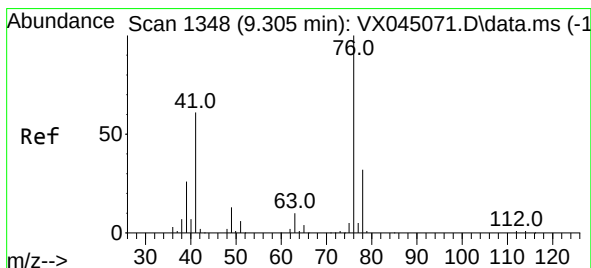
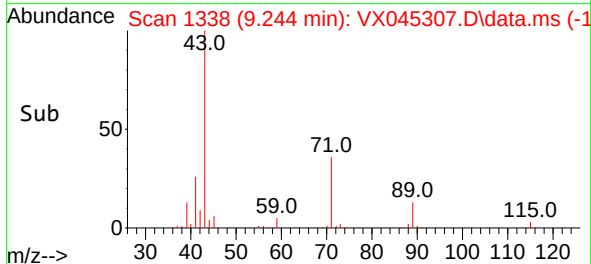
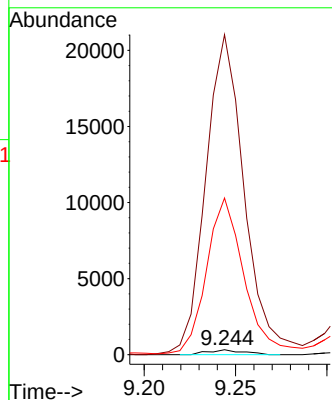
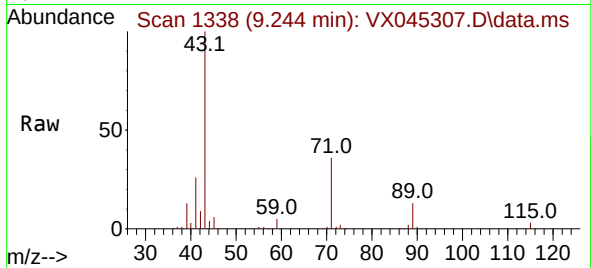




#56
Ethyl methacrylate
Concen: 0.272 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

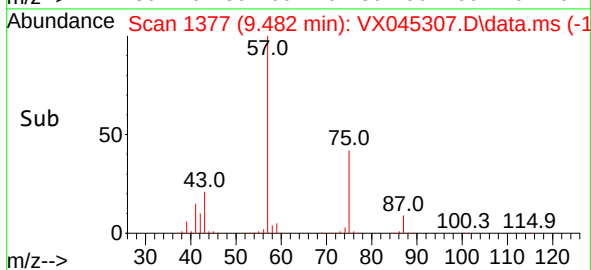
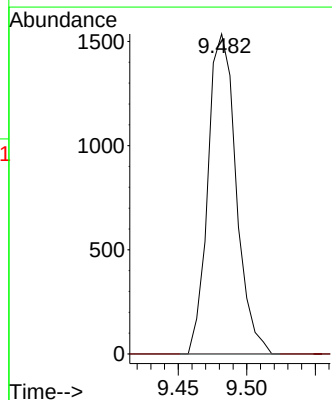
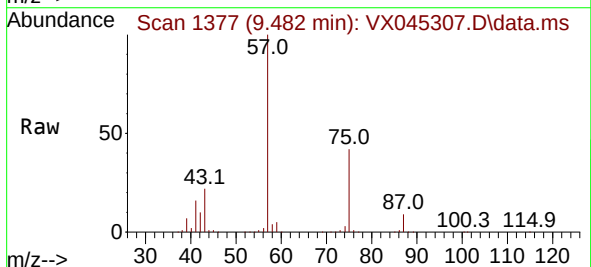
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

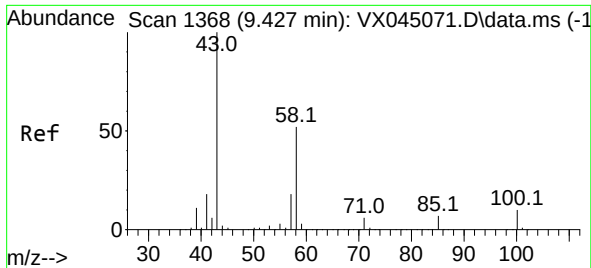
Tgt Ion: 69 Resp: 435
Ion Ratio Lower Upper
69 100
41 7139.3 57.0 85.4#
39 3376.6 34.2 51.4#



#57
1,3-Dichloropropane
Concen: 1.211 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 76 Resp: 2201
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

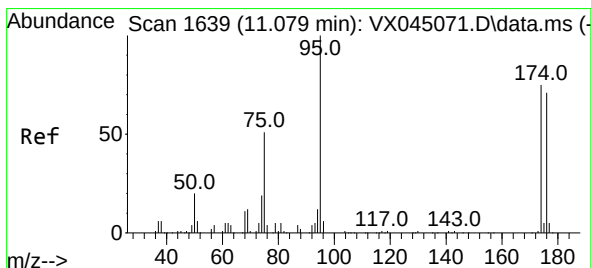
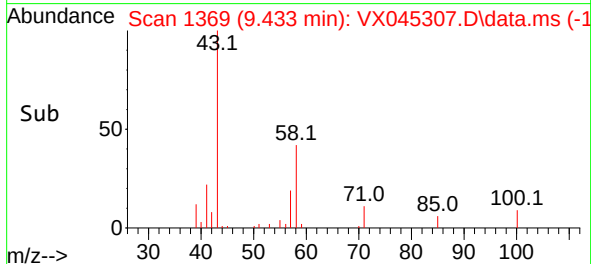
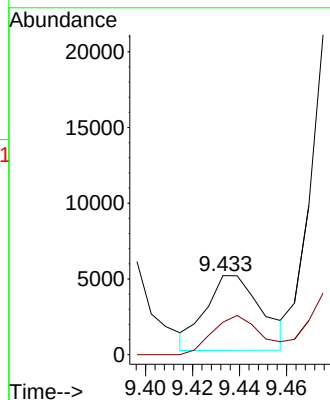
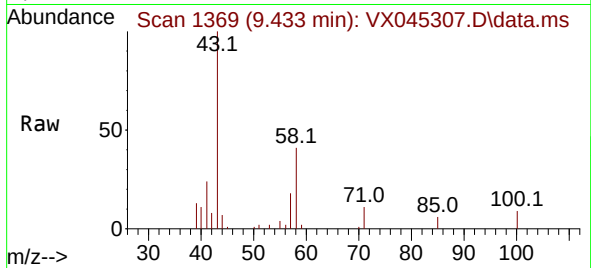




#59
2-Hexanone
Concen: 6.403 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

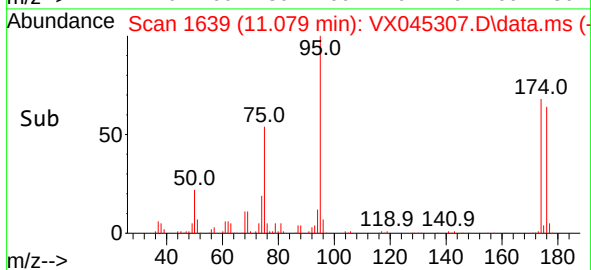
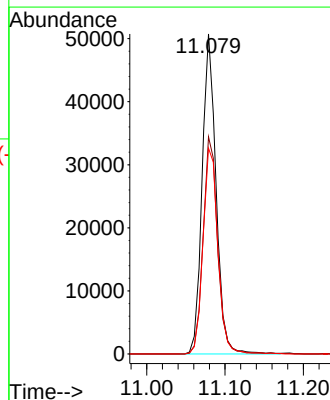
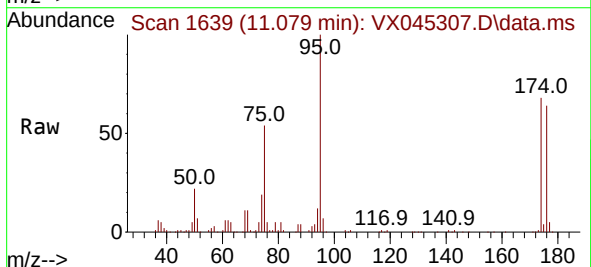
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

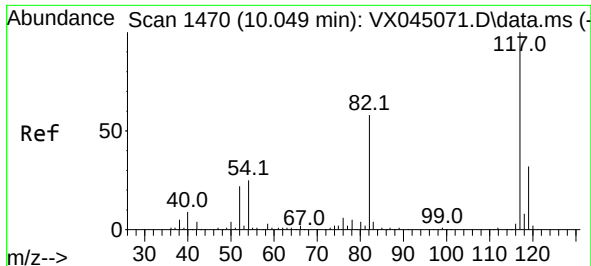
Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
58 45.6 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 51.907 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 95 Resp: 62619
Ion Ratio Lower Upper
95 100
174 70.1 0.0 148.2
176 68.7 0.0 141.4

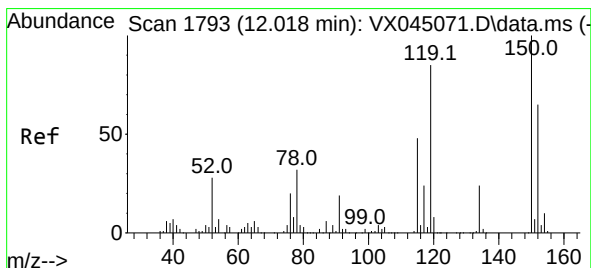
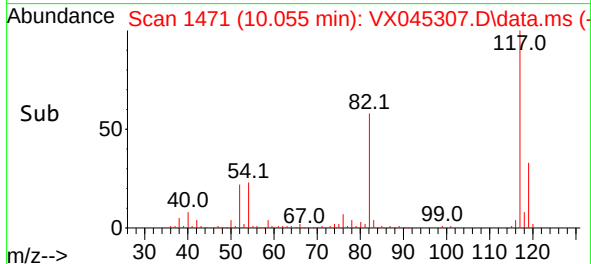
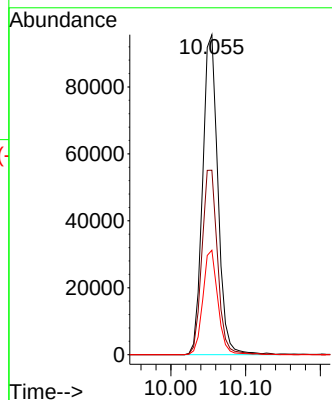
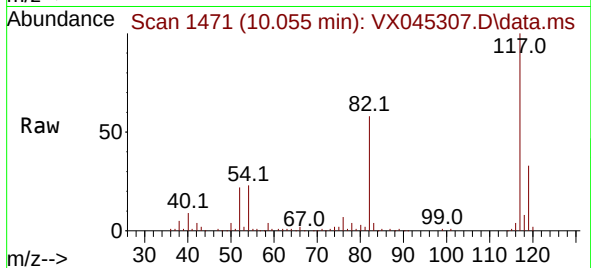




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

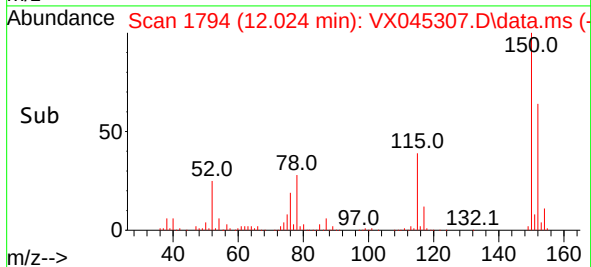
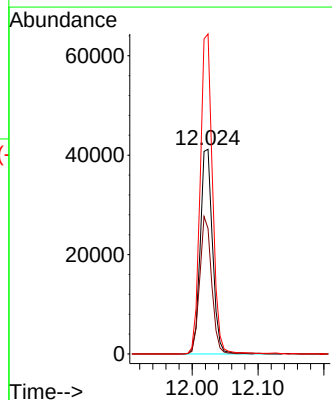
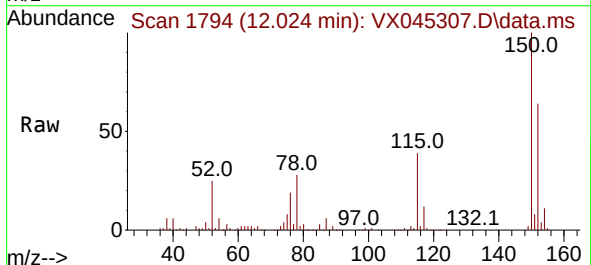
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

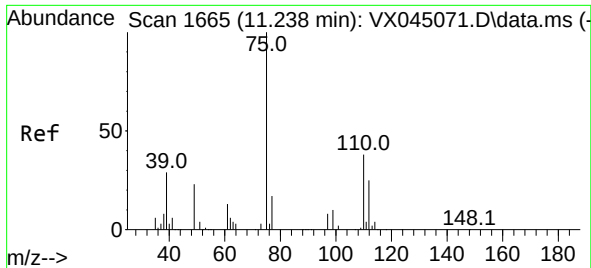
Tgt Ion:117 Resp: 135949
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion:152 Resp: 53669
Ion Ratio Lower Upper
152 100
115 64.8 44.2 132.6
150 156.5 0.0 349.0

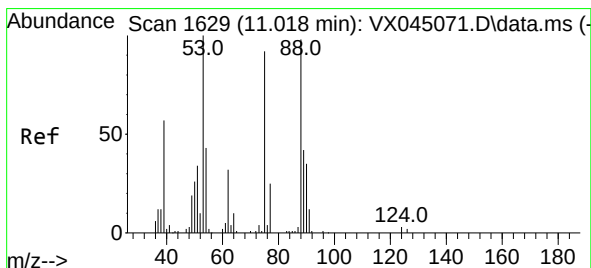
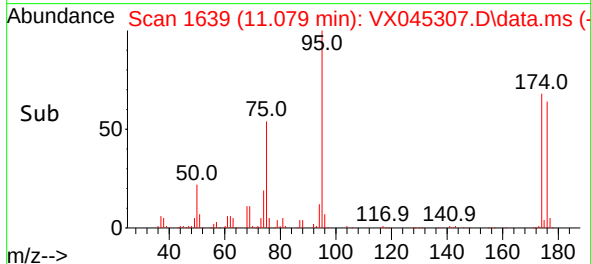
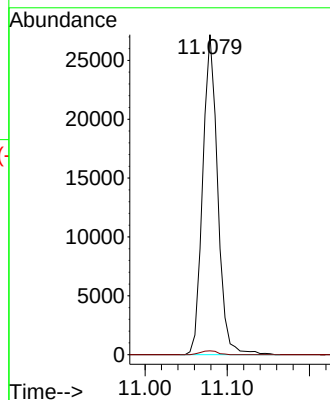
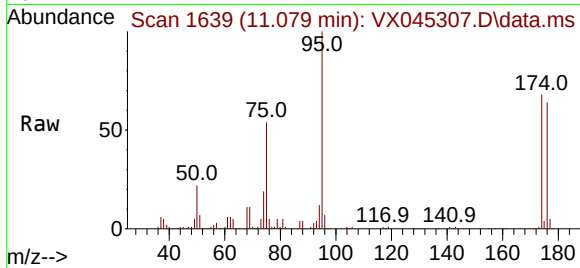




#76
1,2,3-Trichloropropane
Concen: 27.528 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-031325-01

Tgt Ion: 75 Resp: 34386
Ion Ratio Lower Upper
75 100
77 1.4 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.204 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045307.D
Acq: 17 Mar 2025 15:49

Tgt Ion: 75 Resp: 34386
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

