

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022025.D
 Acq On : 28 Apr 2025 12:41
 Operator : SY/MD
 Sample : Q1872-23
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOIL

Quant Time: Apr 29 03:53:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	301694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	467949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	436036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134135	48.134	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.260%		
35) Dibromofluoromethane	7.634	113	149977	48.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.020%		
50) Toluene-d8	10.109	98	592466	50.834	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.660%		
62) 4-Bromofluorobenzene	12.408	95	185929	47.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.780%		
Target Compounds						Qvalue
5) Bromomethane	2.598	94	4684	1.209	ug/l	89
11) Tert butyl alcohol	4.884	59	375	2.451	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	435641	145.254	ug/l	99
13) Acrolein	3.665	56	404	1.471	ug/l	88
15) Acrylonitrile	5.116	53	13520	23.921	ug/l #	33
16) Acetone	3.872	43	156040	444.402	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	1192964	177.716	ug/l	99
20) Methylene Chloride	4.610	84	5516	1.565	ug/l	92
22) Diisopropyl ether	6.018	45	864255	111.208	ug/l	95
23) Vinyl Acetate	6.018	43	426844	101.913	ug/l #	67
25) 2-Butanone	6.890	43	217432	342.297	ug/l	100
26) 2,2-Dichloropropane	6.884	77	710487	150.482	ug/l	95
27) cis-1,2-Dichloroethene	6.884	96	163278	43.475	ug/l	77
28) Bromochloromethane	7.421	49	30450	14.553	ug/l #	3
30) Chloroform	7.421	83	446922	74.796	ug/l	99
31) Cyclohexane	7.707	56	5578	1.211	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	21407	5.155	ug/l #	49
37) Ethyl Acetate	6.890	43	217432	145.785	ug/l #	1
38) Carbon Tetrachloride	7.817	117	535378	107.890	ug/l	99
40) Benzene	8.079	78	1214121	93.528	ug/l	100
42) 1,2-Dichloroethane	8.158	62	154187	47.974	ug/l	99
45) 1,2-Dichloropropane	9.140	63	160767	56.002	ug/l	99
46) Dibromomethane	9.420	93	24991	13.907	ug/l #	2
47) Bromodichloromethane	9.420	83	796926	177.515	ug/l	99
48) Methyl methacrylate	9.140	41	77600	58.607	ug/l #	25
49) 1,4-Dioxane	9.426	88	934	48.763	ug/l #	35
51) 4-Methyl-2-Pentanone	9.999	43	544884	362.902	ug/l	99
52) Toluene	10.170	92	1630128	193.996	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	451255	117.187	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	484173	105.775	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	176727	73.622	ug/l	99
59) 2-Hexanone	10.761	43	342461	345.801	ug/l	99
60) Dibromochloromethane	10.914	129	251529	75.684	ug/l	100
64) Tetrachloroethene	10.646	164	417730	101.553	ug/l	98
65) Chlorobenzene	11.444	112	909935	93.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	533734	155.478	ug/l	99

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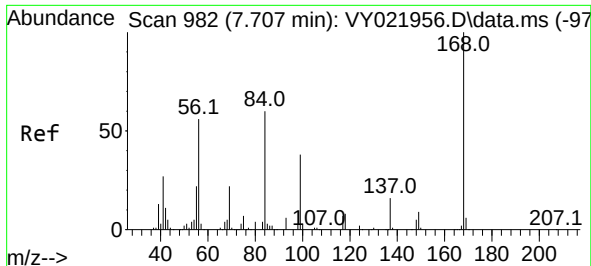
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	11.627	91	1505918	94.410	ug/l #	66
68) m/p-Xylenes	11.627	106	777678	122.523	ug/l	99
69) o-Xylene	11.956	106	770636	131.730	ug/l	98
70) Styrene	11.969	104	1335048	135.916	ug/l	99
71) Bromoform	12.133	173	197793	99.103	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	12.554	83	5973	2.392	ug/l #	88
76) 1,2,3-Trichloropropane	12.560	75	207793	109.430	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	88542	112.290	ug/l #	16
82) 4-Chlorotoluene	13.042	91	175199	16.430	ug/l #	39
83) tert-Butylbenzene	13.042	119	276211	25.237	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.042	105	2183983	178.923	ug/l	99
85) sec-Butylbenzene	13.042	105	2183983	136.367	ug/l #	56
86) p-Isopropyltoluene	13.042	119	274575	20.190	ug/l #	15
87) 1,3-Dichlorobenzene	13.365	146	195134	25.671	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	195134	25.920	ug/l	99
89) n-Butylbenzene	13.621	91	696238	57.277	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	354246	53.433	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	213810	56.911	ug/l	99

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

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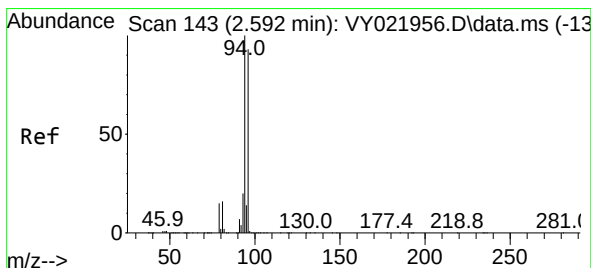
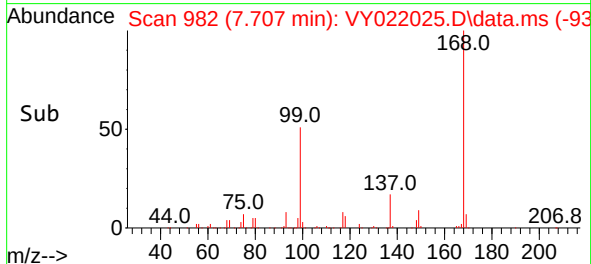
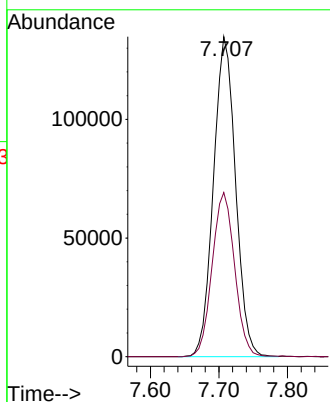
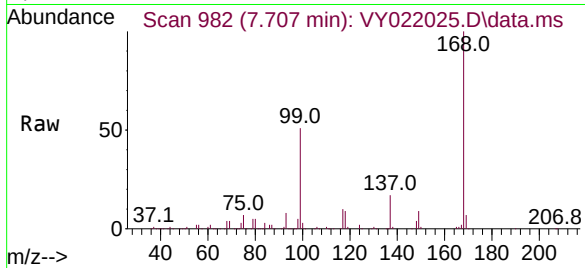




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
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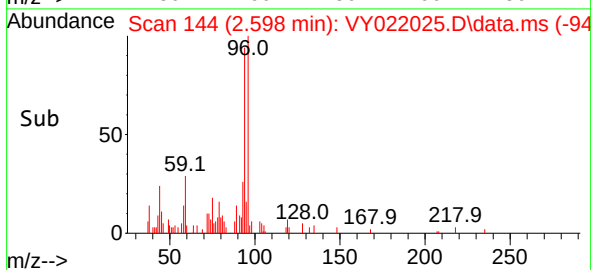
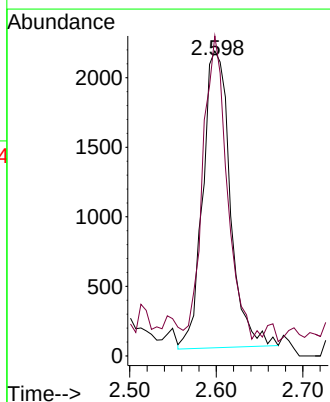
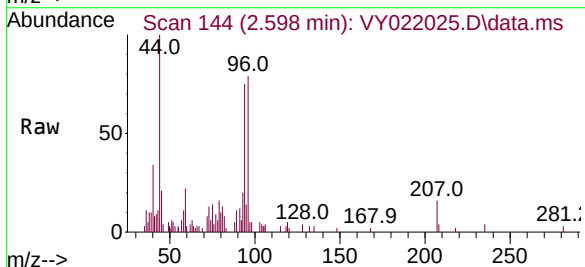
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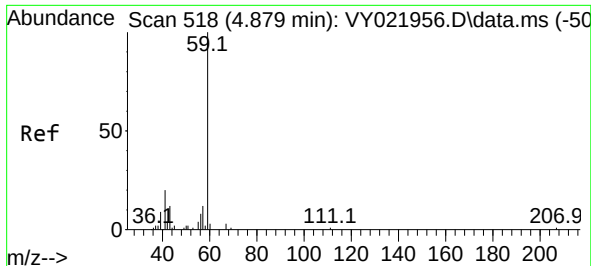
Tgt Ion:168 Resp: 301694
Ion Ratio Lower Upper
168 100
99 51.3 43.1 64.7



#5
Bromomethane
Concen: 1.209 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 94 Resp: 4684
Ion Ratio Lower Upper
94 100
96 103.8 74.6 111.8





#11

Tert butyl alcohol

Concen: 2.451 ug/l

RT: 4.884 min Scan# 518

Delta R.T. 0.006 min

Lab File: VY022025.D

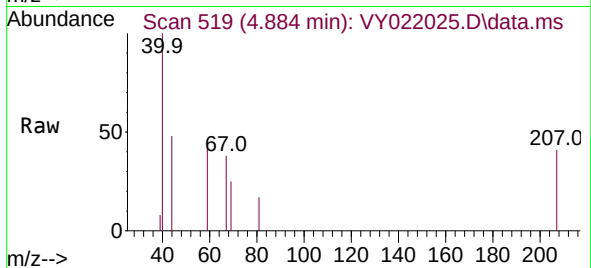
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Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

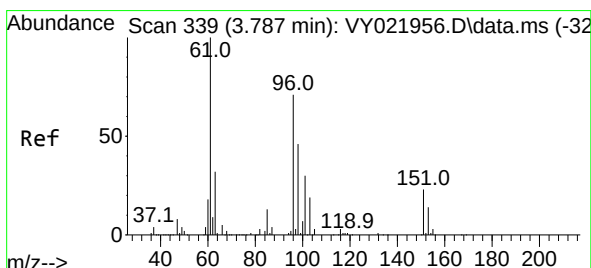
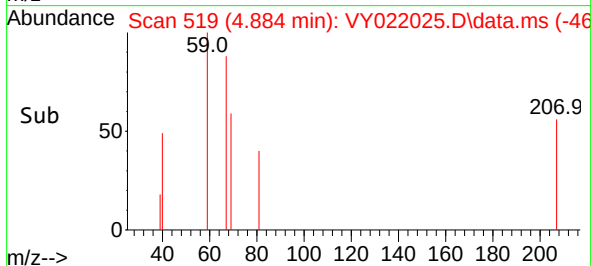
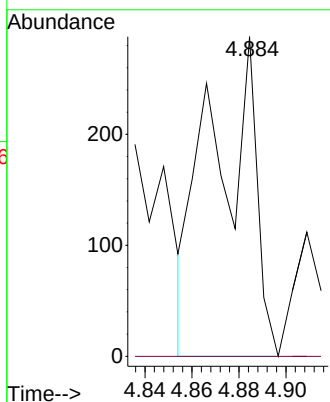


Tgt Ion: 59 Resp: 375

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



#12

1,1-Dichloroethene

Concen: 145.254 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

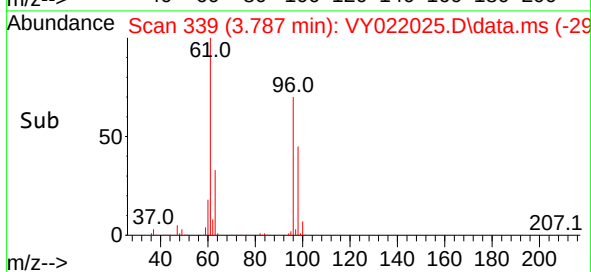
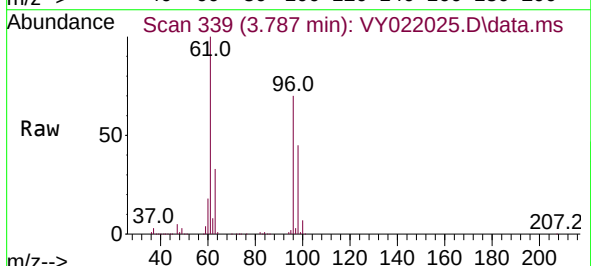
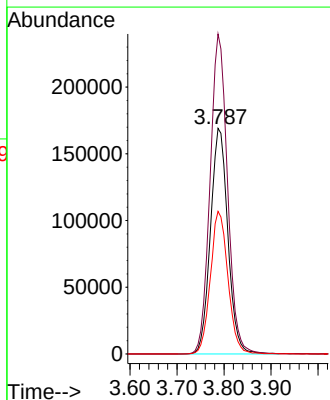
Tgt Ion: 96 Resp: 435641

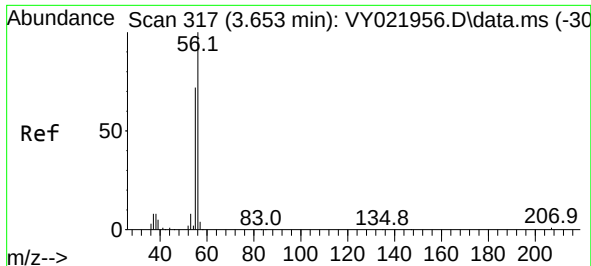
Ion Ratio Lower Upper

96 100

61 141.9 113.0 169.4

98 63.2 51.4 77.2

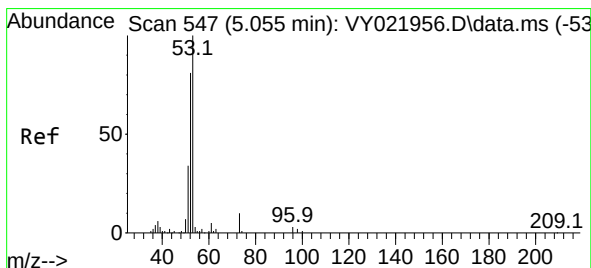
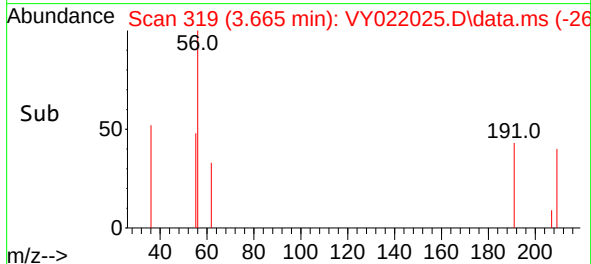
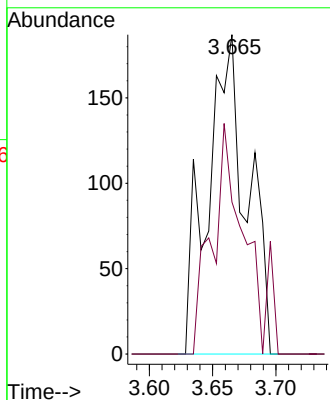
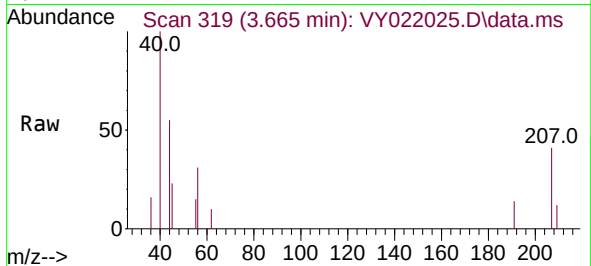




#13
Acrolein
Concen: 1.471 ug/l
RT: 3.665 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

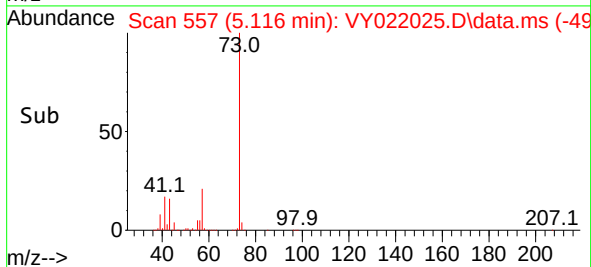
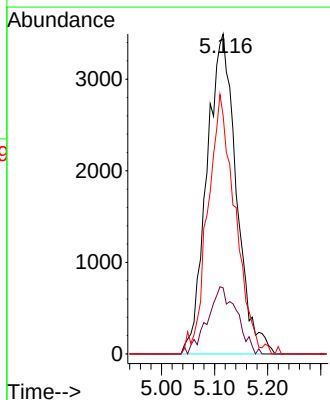
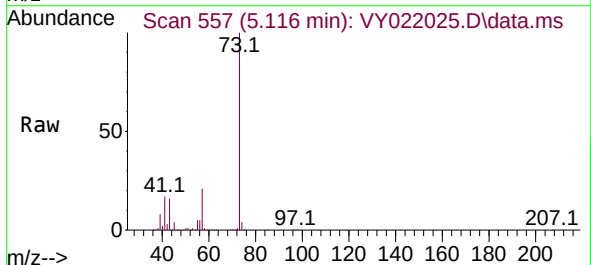
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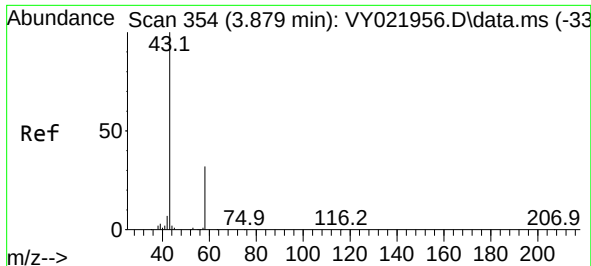
Tgt Ion: 56 Resp: 404
Ion Ratio Lower Upper
56 100
55 61.4 57.4 86.0



#15
Acrylonitrile
Concen: 23.921 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.061 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 53 Resp: 13520
Ion Ratio Lower Upper
53 100
52 20.9 65.0 97.6#
51 74.7 28.9 43.3#

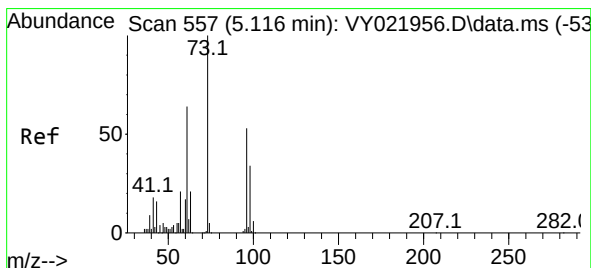
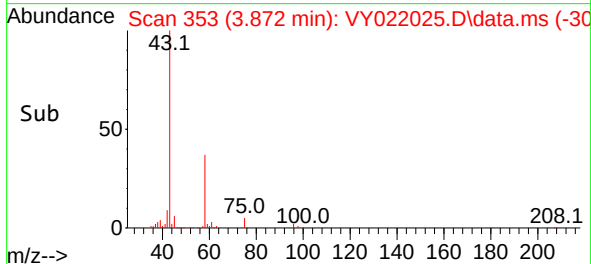
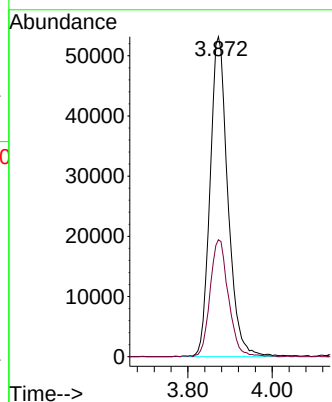
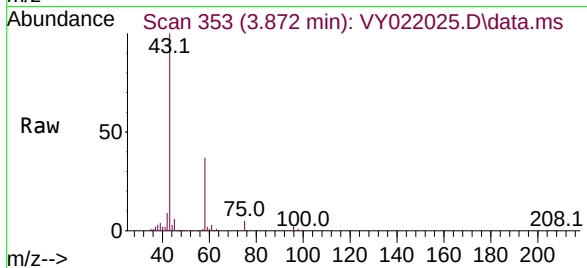




#16
Acetone
Concen: 444.402 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

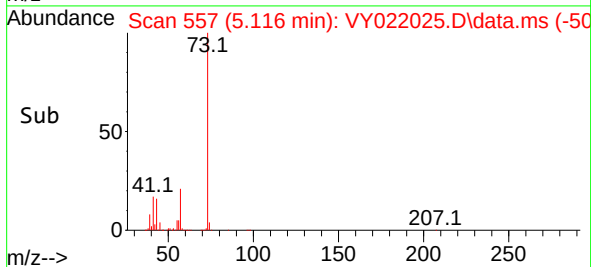
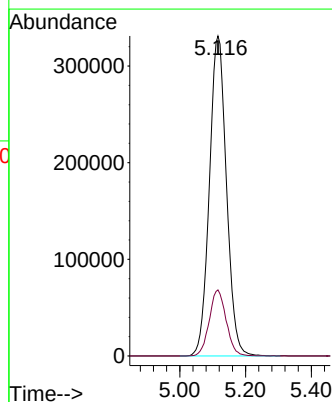
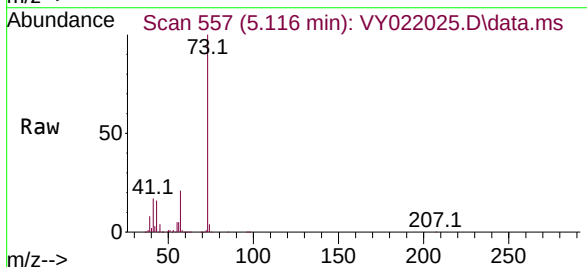
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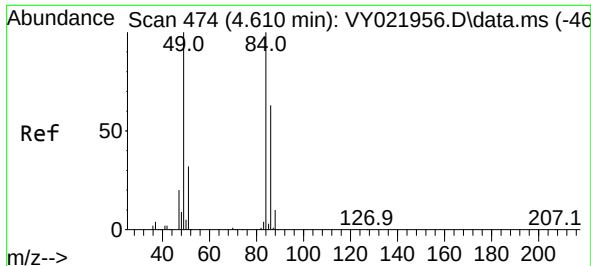
Tgt Ion: 43 Resp: 156040
Ion Ratio Lower Upper
43 100
58 36.6 27.0 40.4



#19
Methyl tert-butyl Ether
Concen: 177.716 ug/l
RT: 5.116 min Scan# 557
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 73 Resp: 1192964
Ion Ratio Lower Upper
73 100
57 20.7 16.9 25.3

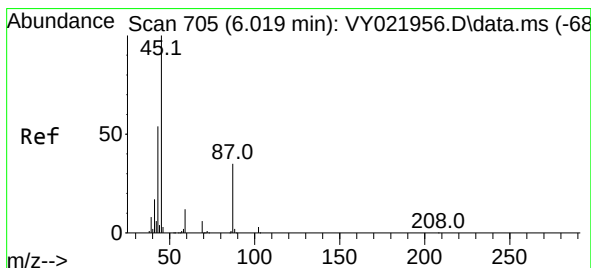
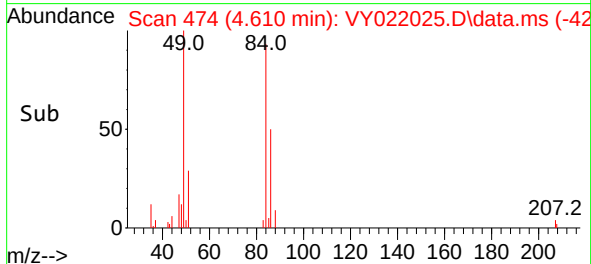
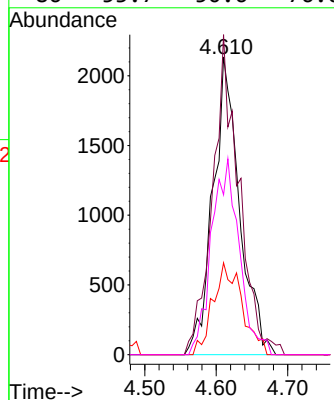
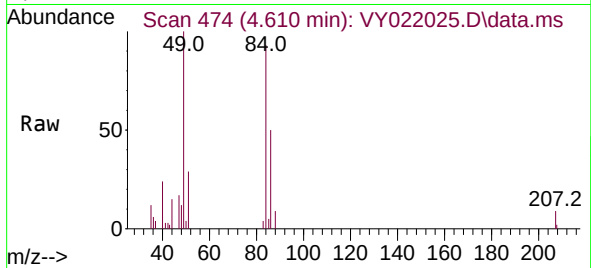




#20
Methylene Chloride
Concen: 1.565 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

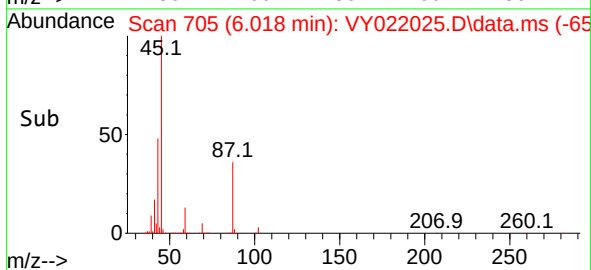
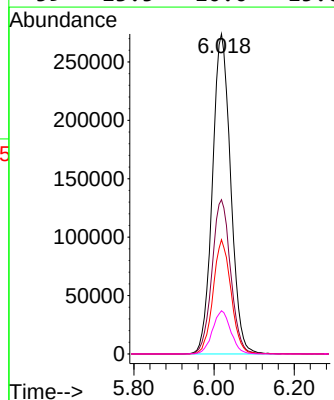
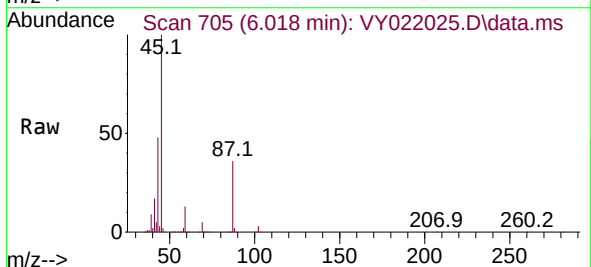
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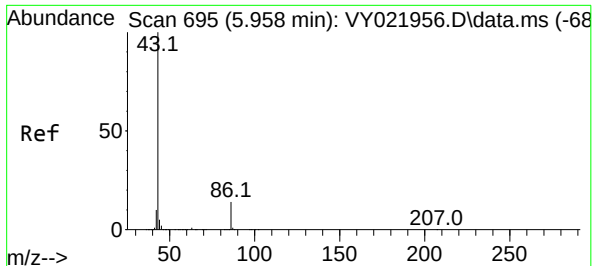
Tgt Ion:	84	Resp:	5516
Ion	Ratio	Lower	Upper
84	100		
49	107.5	79.9	119.9
51	30.9	25.4	38.0
86	53.7	50.6	76.0



#22
Diisopropyl ether
Concen: 111.208 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion:	45	Resp:	864255
Ion	Ratio	Lower	Upper
45	100		
43	48.2	43.6	65.4
87	35.7	28.2	42.4
59	13.5	10.0	15.0

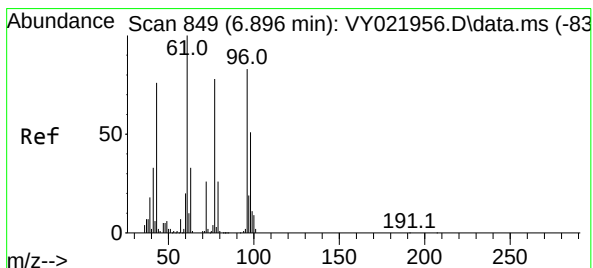
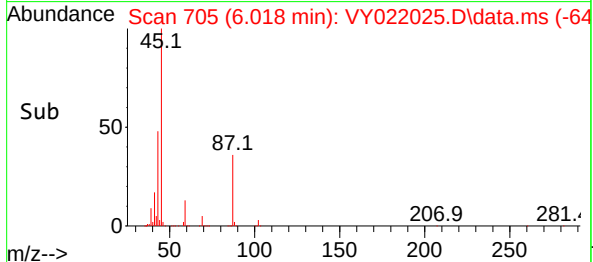
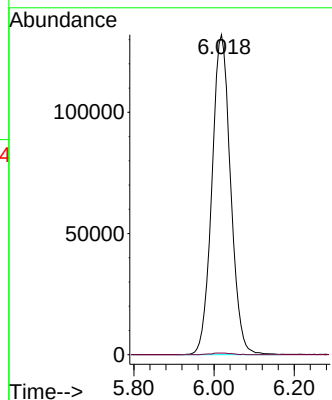
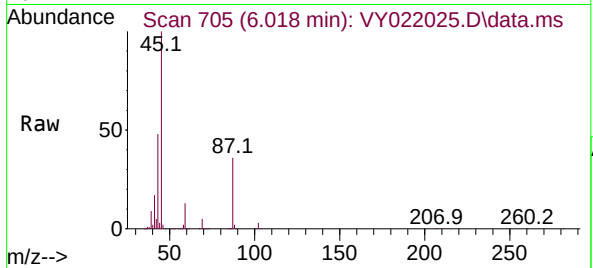




#23
 Vinyl Acetate
 Concen: 101.913 ug/l
 RT: 6.018 min Scan# 705
 Delta R.T. 0.061 min
 Lab File: VY022025.D
 Acq: 28 Apr 2025 12:41

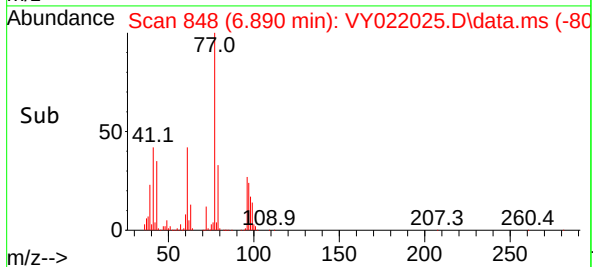
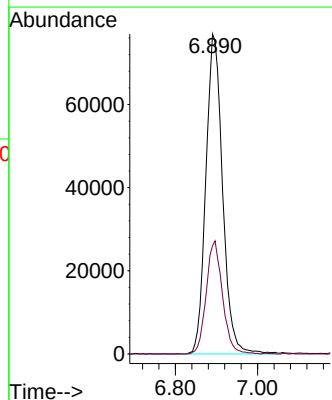
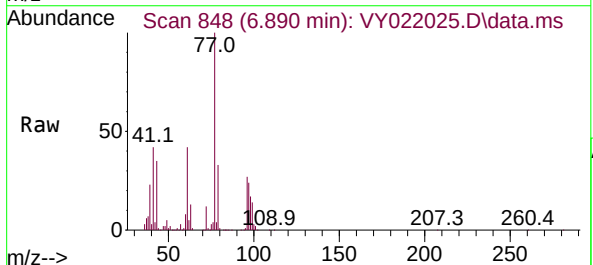
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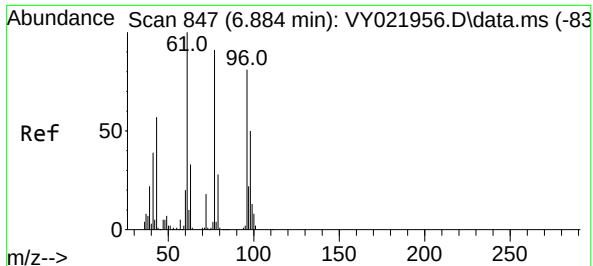
Tgt Ion: 43 Resp: 426844
 Ion Ratio Lower Upper
 43 100
 86 0.5 11.1 16.7#



#25
 2-Butanone
 Concen: 342.297 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.006 min
 Lab File: VY022025.D
 Acq: 28 Apr 2025 12:41

Tgt Ion: 43 Resp: 217432
 Ion Ratio Lower Upper
 43 100
 72 33.8 27.0 40.4

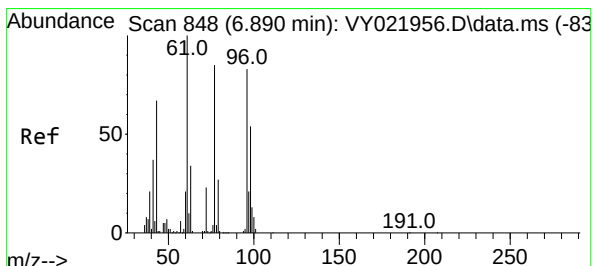
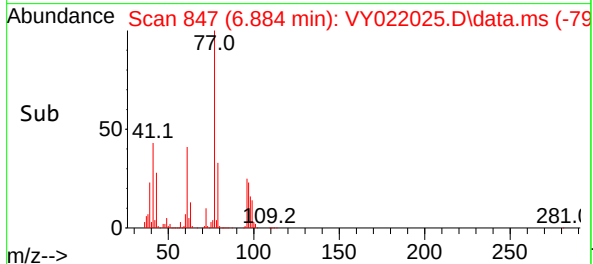
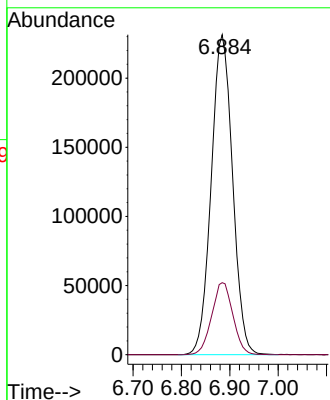
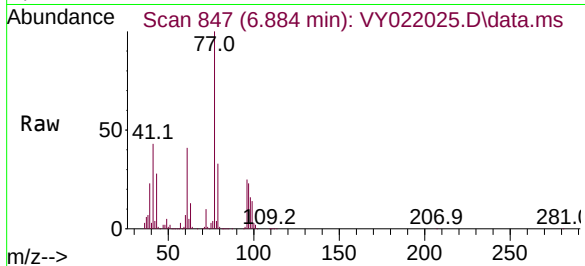




#26
2,2-Dichloropropane
Concen: 150.482 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

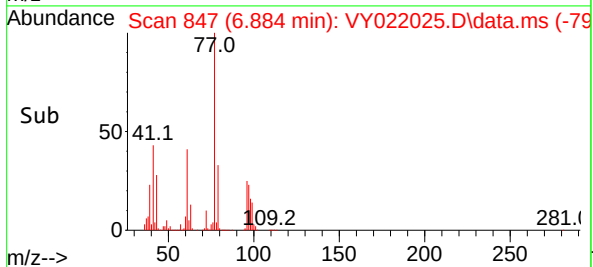
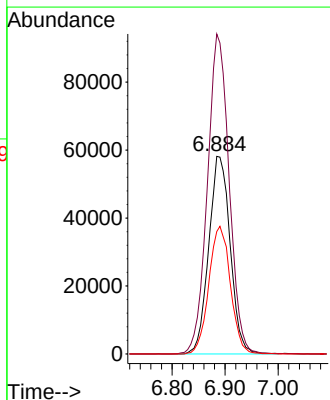
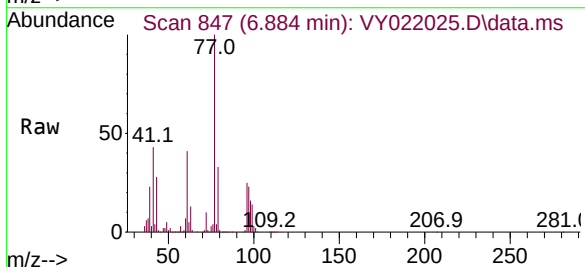
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

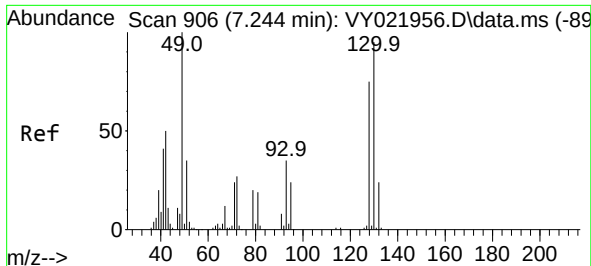
Tgt Ion: 77 Resp: 710487
Ion Ratio Lower Upper
77 100
97 22.3 12.4 37.4



#27
cis-1,2-Dichloroethene
Concen: 43.475 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 96 Resp: 163278
Ion Ratio Lower Upper
96 100
61 164.2 0.0 251.4
98 65.0 0.0 128.4

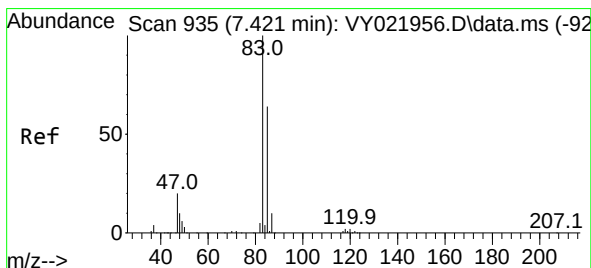
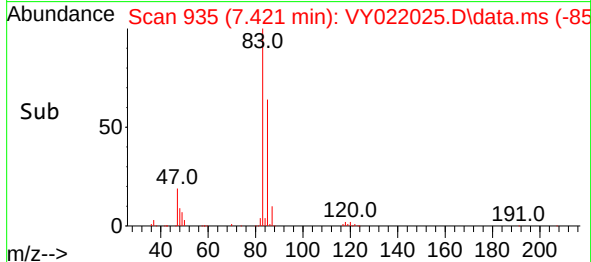
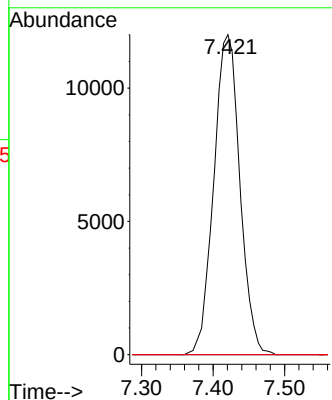
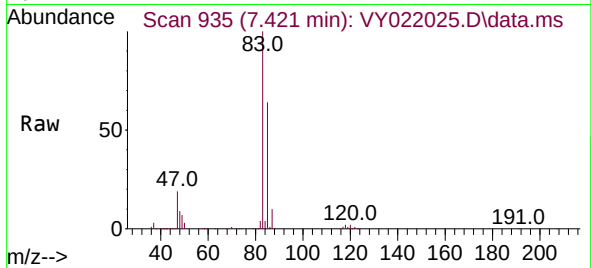




#28
Bromochloromethane
Concen: 14.553 ug/l
RT: 7.421 min Scan# 91
Delta R.T. 0.177 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

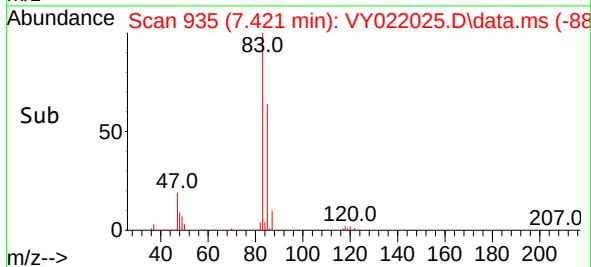
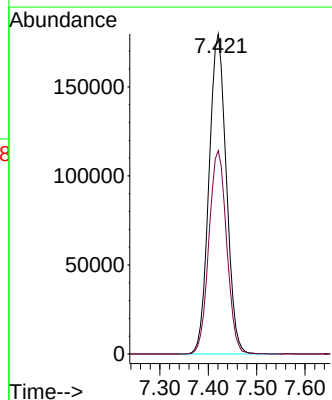
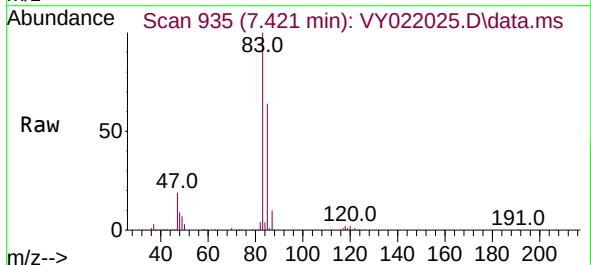
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

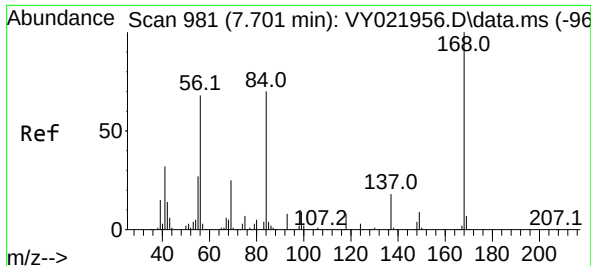
Tgt Ion: 49 Resp: 30450
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 0.0 78.2 117.4#



#30
Chloroform
Concen: 74.796 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 83 Resp: 446922
Ion Ratio Lower Upper
83 100
85 63.5 51.3 76.9

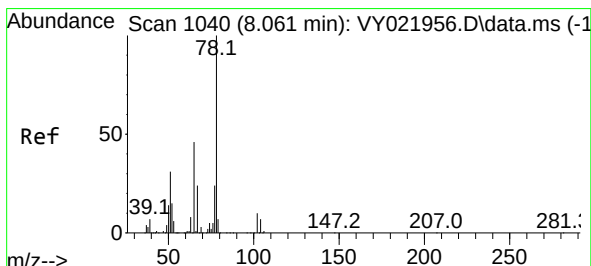
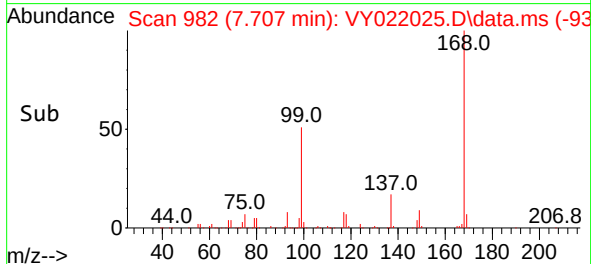
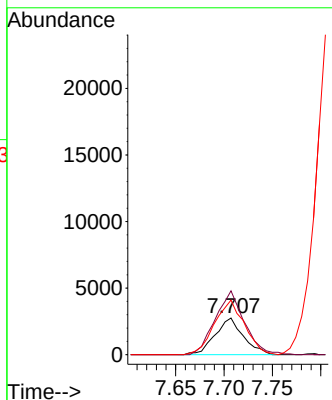
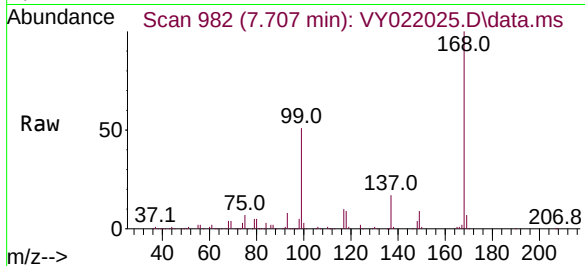




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

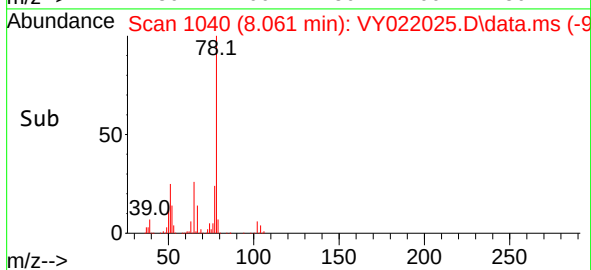
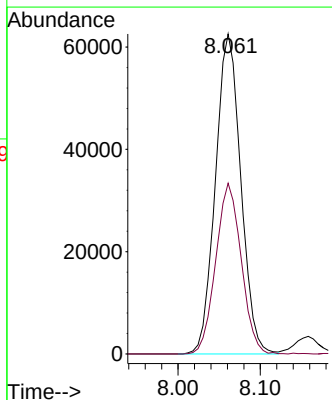
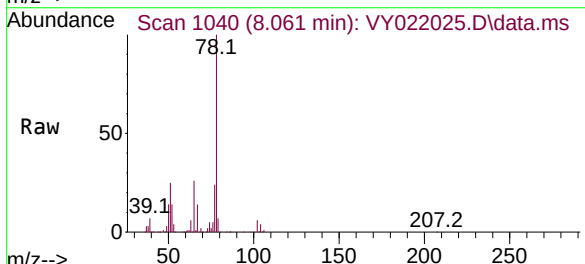
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

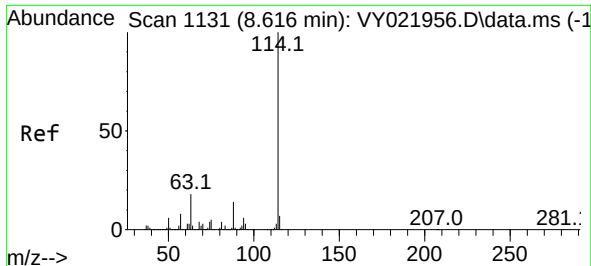
Tgt Ion: 56 Resp: 5578
Ion Ratio Lower Upper
56 100
69 174.3 29.4 44.2#
84 149.1 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 48.134 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 65 Resp: 134135
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8

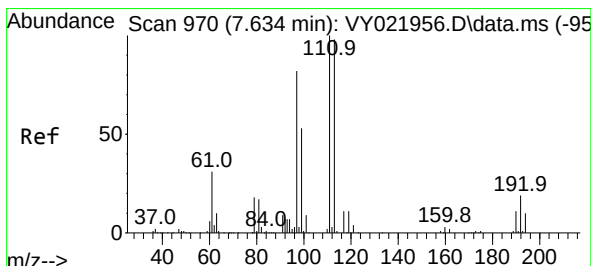
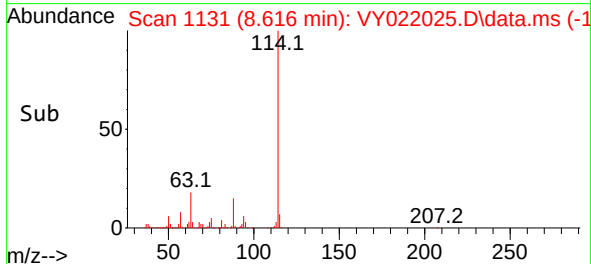
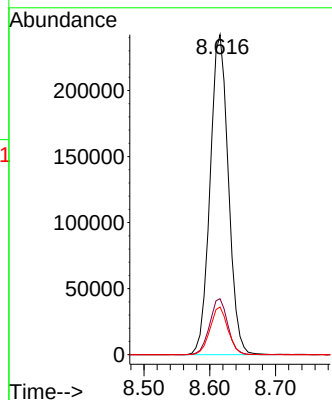
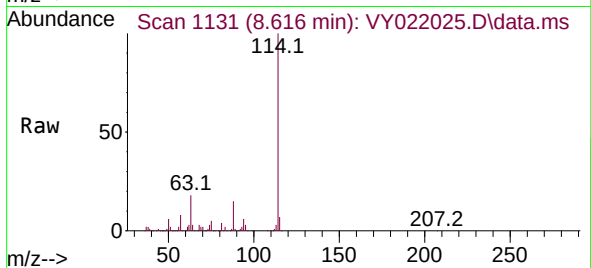




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

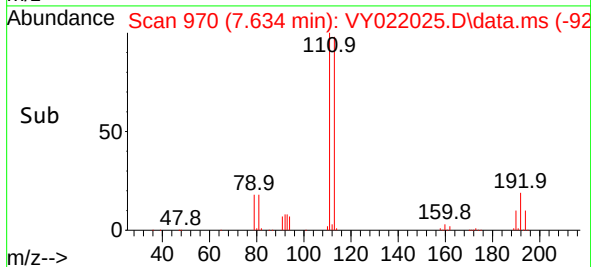
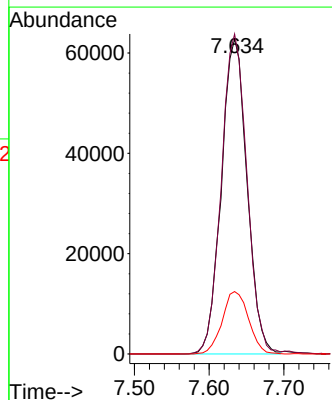
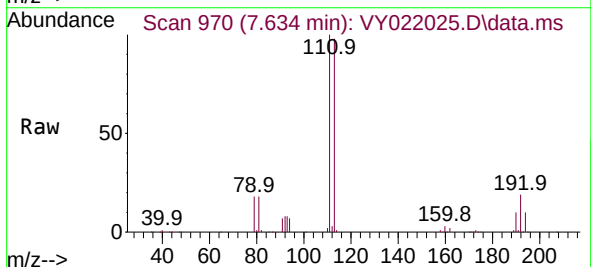
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

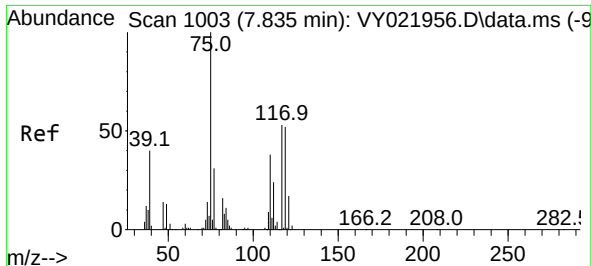
Tgt Ion:114 Resp: 467949
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.9 0.0 28.2



#35
Dibromofluoromethane
Concen: 48.512 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion:113 Resp: 149977
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 20.3 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.155 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

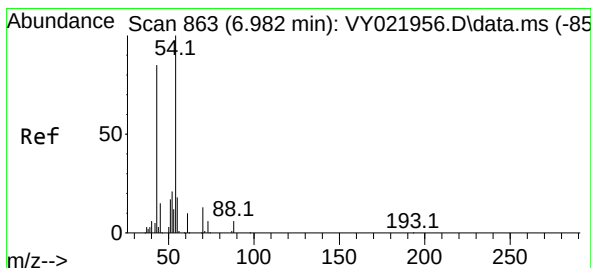
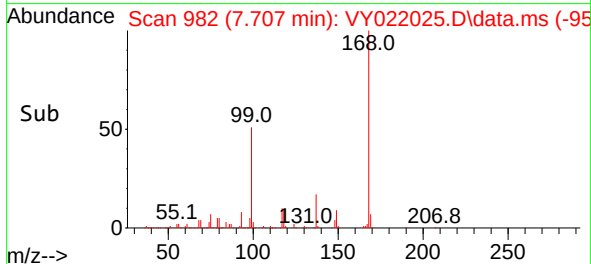
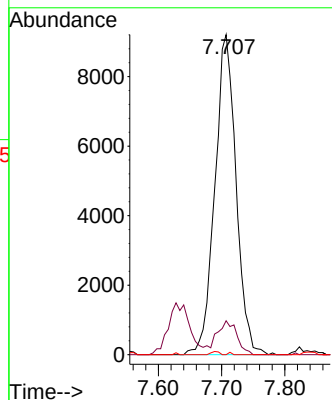
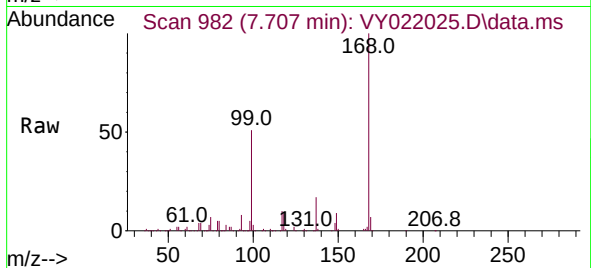
Tgt Ion: 75 Resp: 21407

Ion Ratio Lower Upper

75 100

110 10.4 19.1 57.3#

77 0.0 25.5 38.3#



#37

Ethyl Acetate

Concen: 145.785 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.092 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

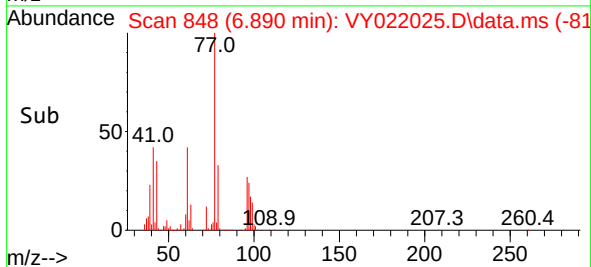
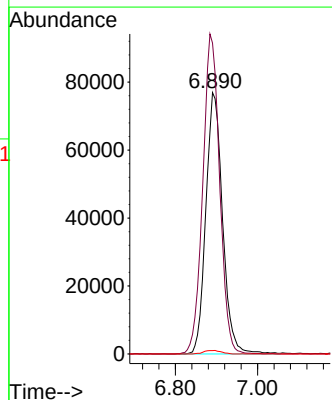
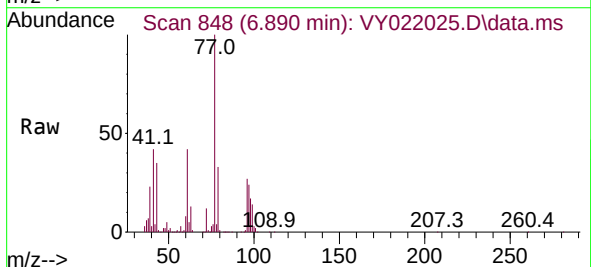
Tgt Ion: 43 Resp: 217432

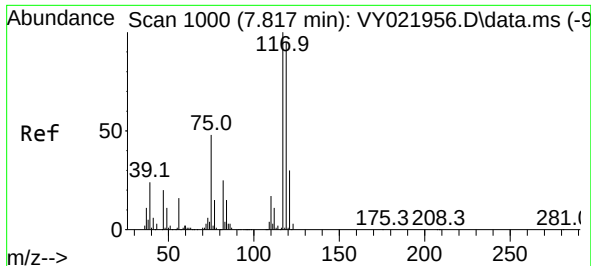
Ion Ratio Lower Upper

43 100

61 123.3 13.8 20.6#

70 1.4 9.2 13.8#

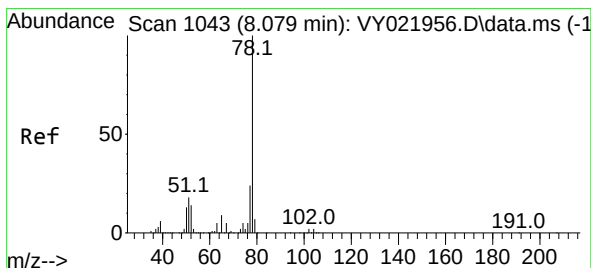
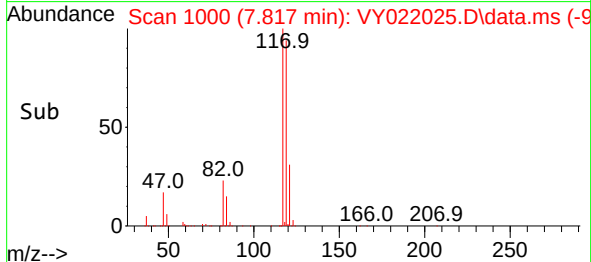
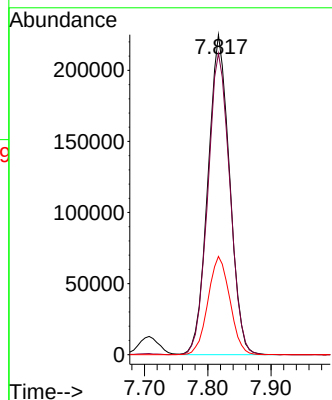
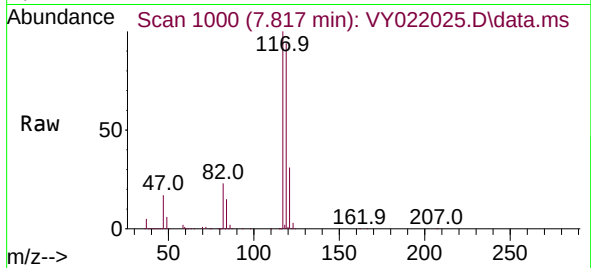




#38
Carbon Tetrachloride
Concen: 107.890 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

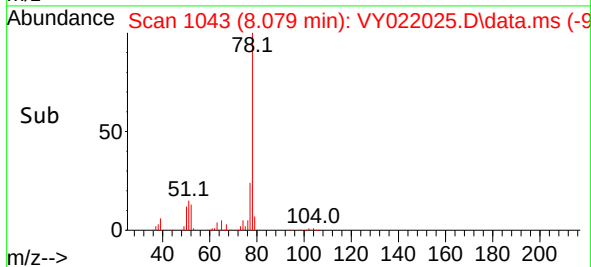
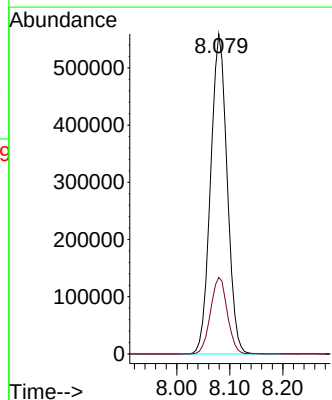
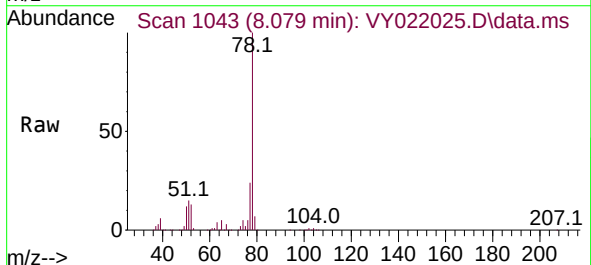
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

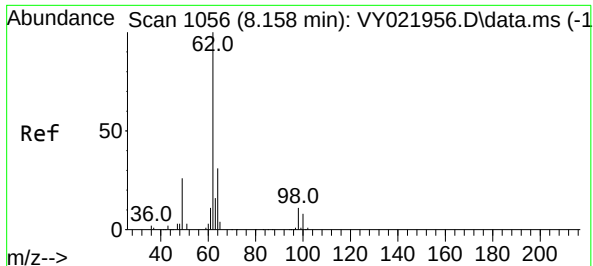
Tgt Ion:117 Resp: 535378
Ion Ratio Lower Upper
117 100
119 94.2 76.2 114.4
121 30.7 24.0 36.0



#40
Benzene
Concen: 93.528 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 78 Resp: 1214121
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9





#42

1,2-Dichloroethane

Concen: 47.974 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

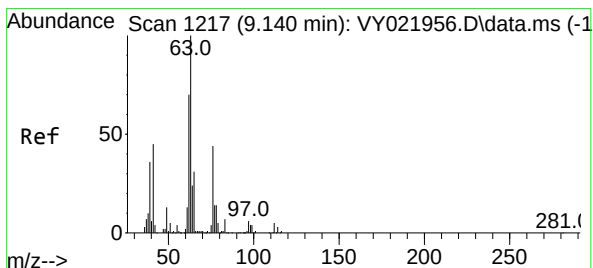
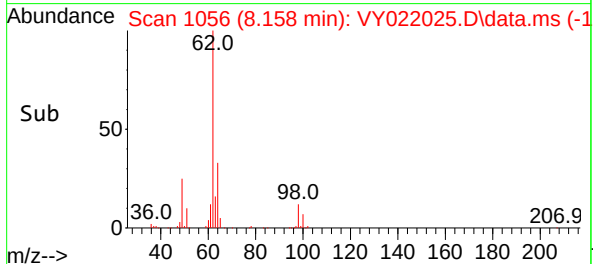
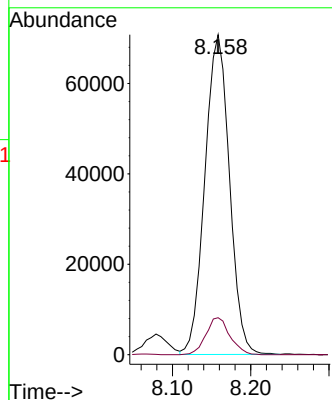
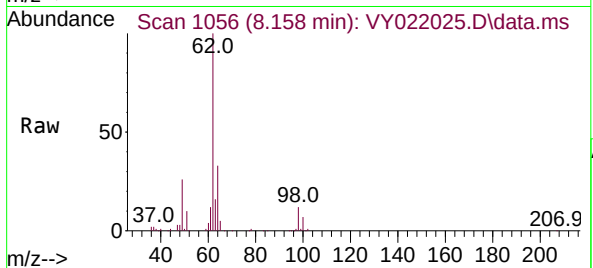
HW0425-PT-VOA-SOIL

Tgt Ion: 62 Resp: 154187

Ion Ratio Lower Upper

62 100

98 11.3 0.0 22.0



#45

1,2-Dichloropropane

Concen: 56.002 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022025.D

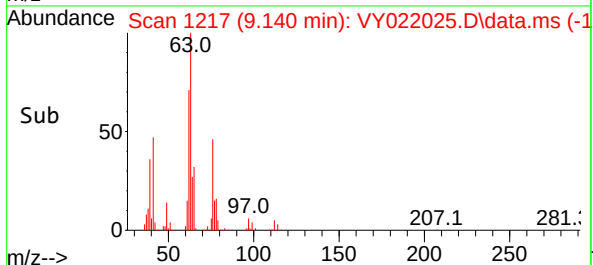
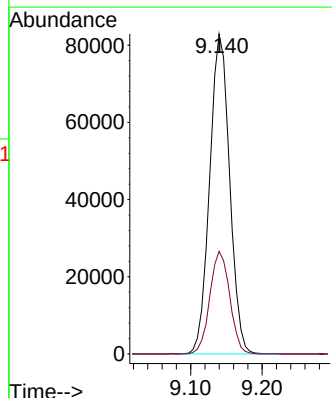
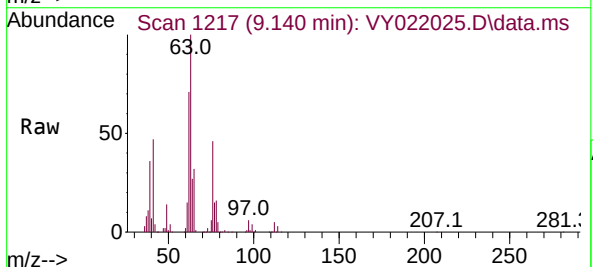
Acq: 28 Apr 2025 12:41

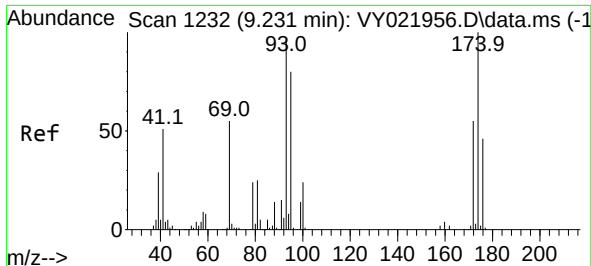
Tgt Ion: 63 Resp: 160767

Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8

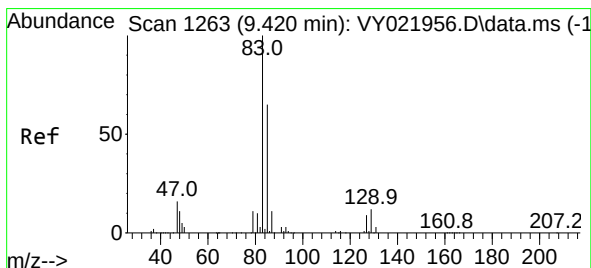
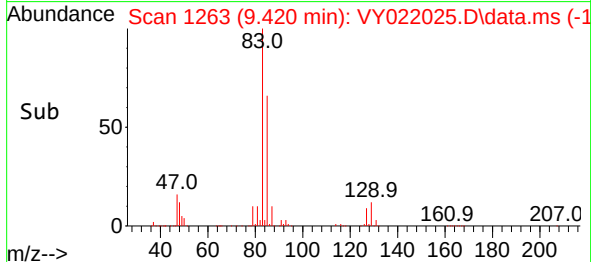
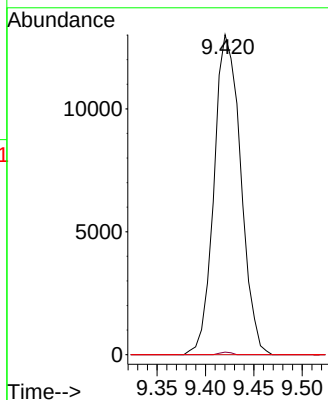
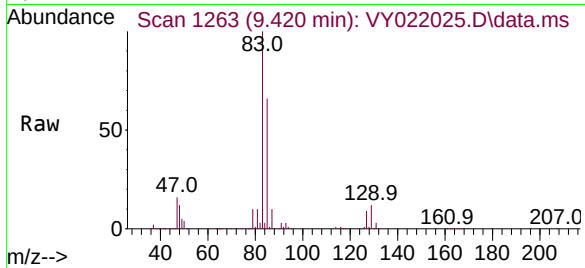




#46
Dibromomethane
Concen: 13.907 ug/l
RT: 9.420 min Scan# 1232
Delta R.T. 0.189 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

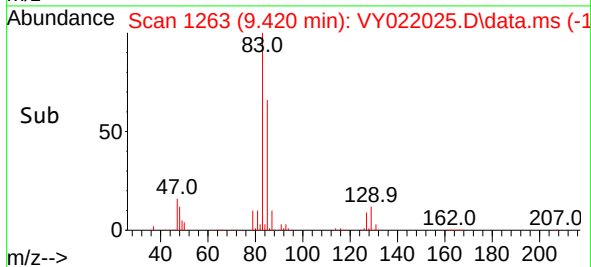
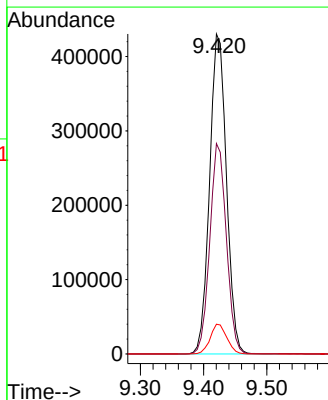
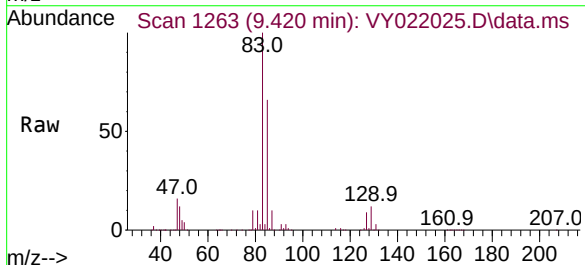
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

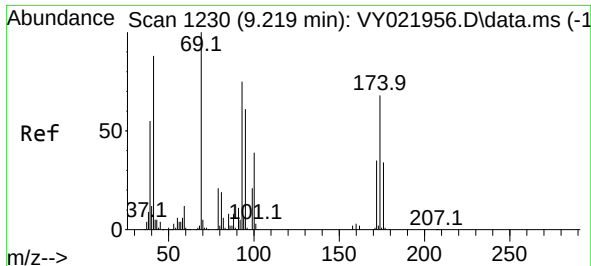
Tgt Ion: 93 Resp: 24991
Ion Ratio Lower Upper
93 100
95 0.4 66.7 100.1#
174 0.0 84.6 127.0#



#47
Bromodichloromethane
Concen: 177.515 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 83 Resp: 796926
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.8
127 9.3 7.0 10.6

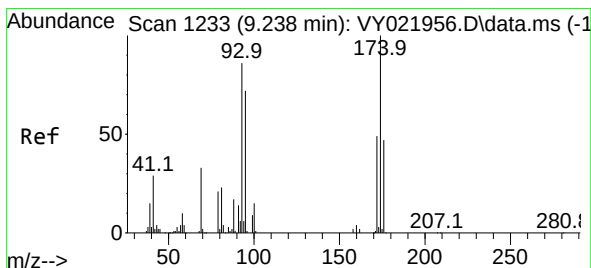
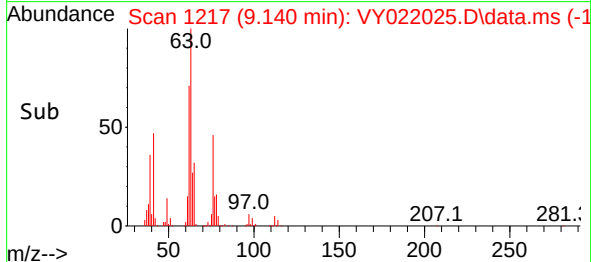
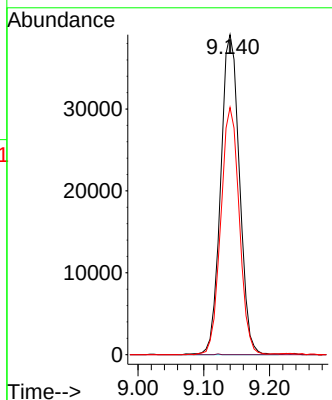
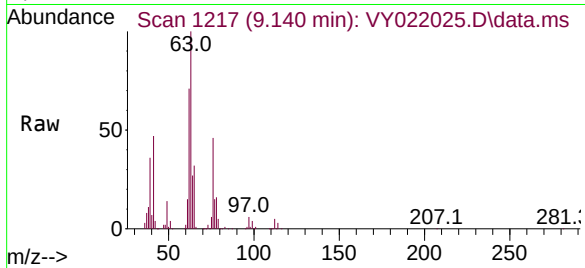




#48
Methyl methacrylate
Concen: 58.607 ug/l
RT: 9.140 min Scan# 11
Delta R.T. -0.079 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

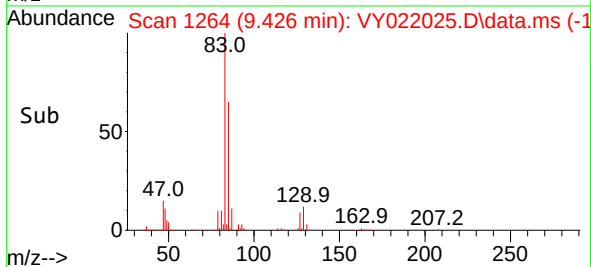
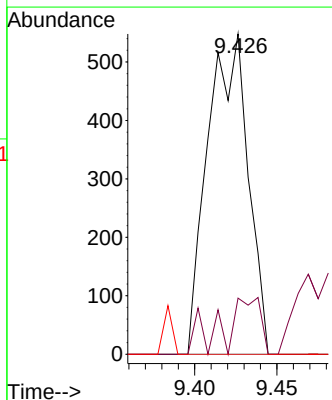
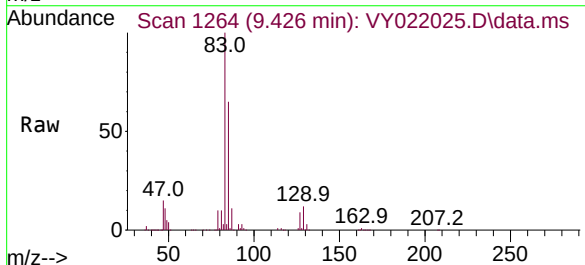
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

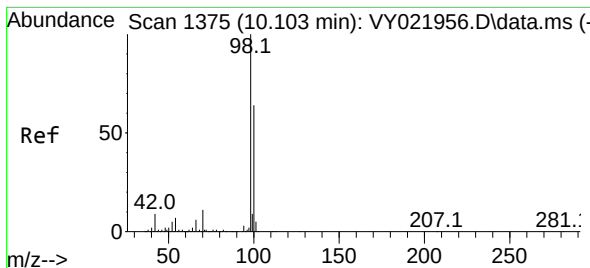
Tgt Ion: 41 Resp: 77600
Ion Ratio Lower Upper
41 100
69 0.0 85.5 128.3#
39 76.1 46.2 69.4#



#49
1,4-Dioxane
Concen: 48.763 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.189 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 88 Resp: 934
Ion Ratio Lower Upper
88 100
43 13.8 21.3 31.9#
58 0.0 50.5 75.7#





#50

Toluene-d8

Concen: 50.834 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

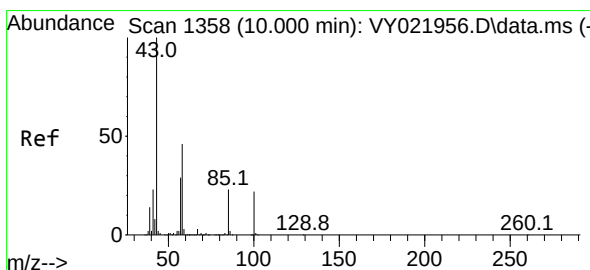
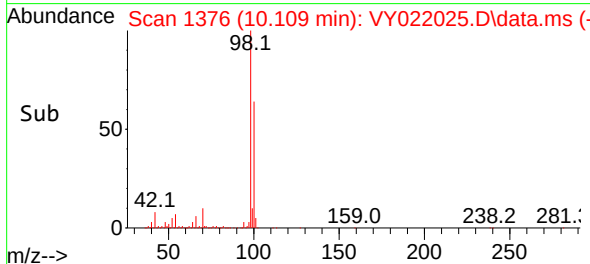
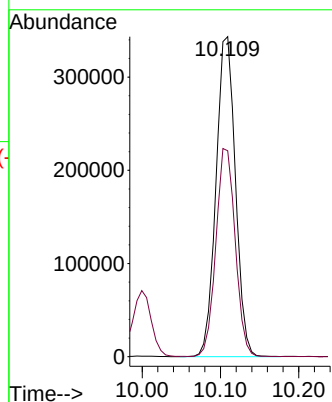
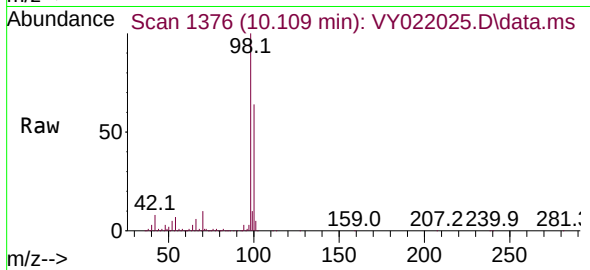
HW0425-PT-VOA-SOIL

Tgt Ion: 98 Resp: 592466

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 362.902 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY022025.D

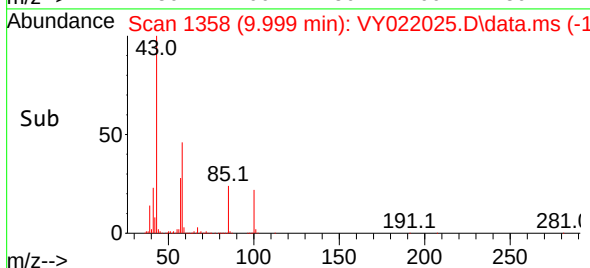
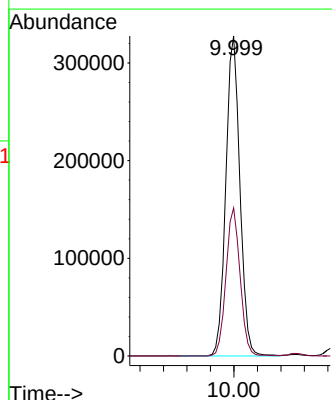
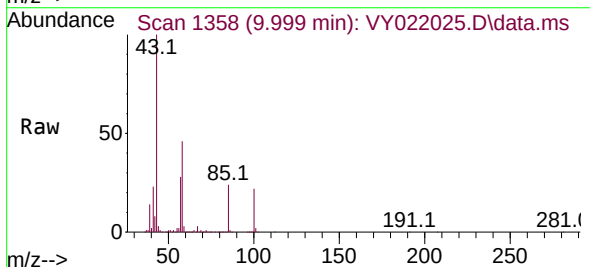
Acq: 28 Apr 2025 12:41

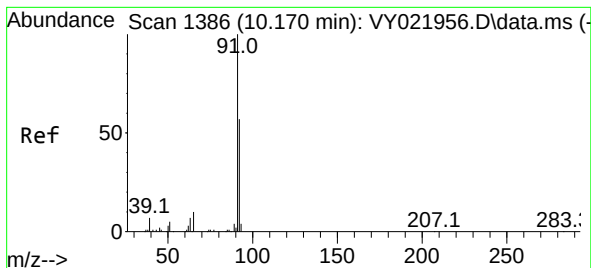
Tgt Ion: 43 Resp: 544884

Ion Ratio Lower Upper

43 100

58 46.3 36.6 55.0





#52

Toluene

Concen: 193.996 ug/l

RT: 10.170 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

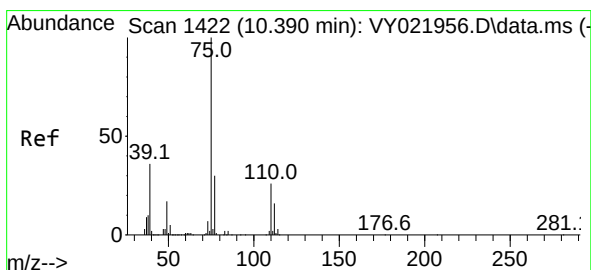
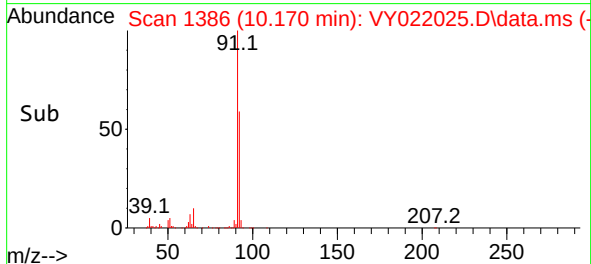
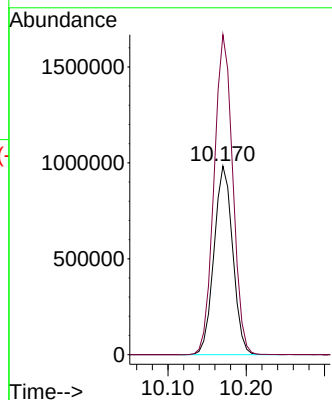
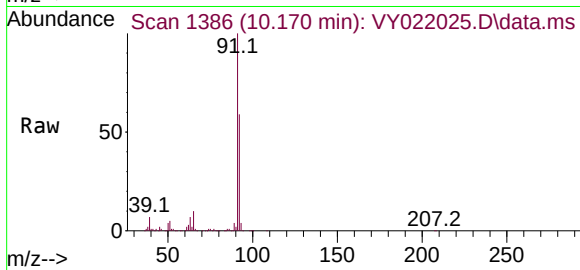
HW0425-PT-VOA-SOIL

Tgt Ion: 92 Resp: 1630128

Ion Ratio Lower Upper

92 100

91 170.0 138.6 207.8



#53

t-1,3-Dichloropropene

Concen: 117.187 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. 0.006 min

Lab File: VY022025.D

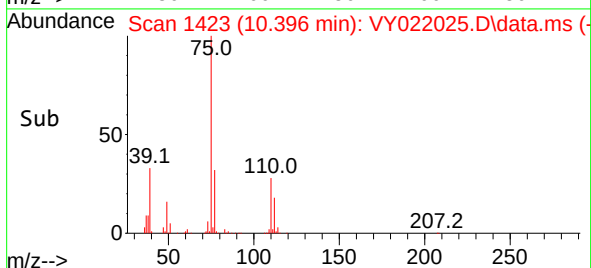
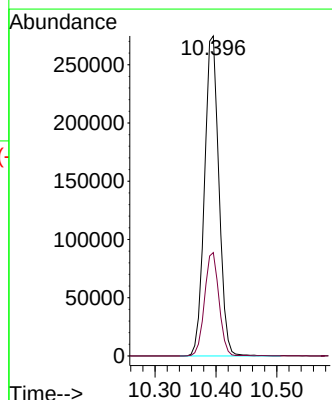
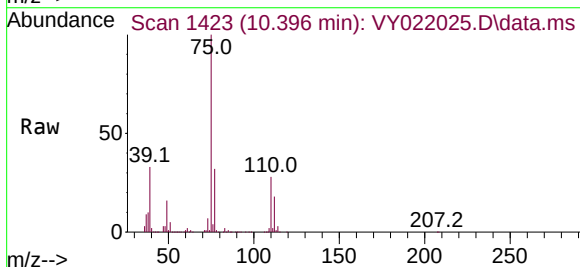
Acq: 28 Apr 2025 12:41

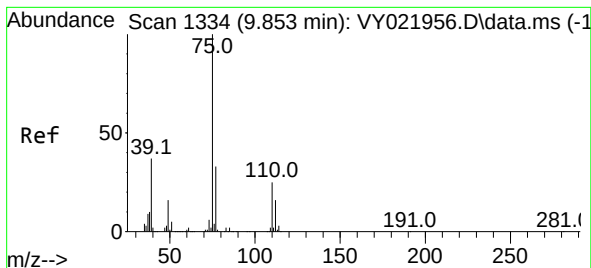
Tgt Ion: 75 Resp: 451255

Ion Ratio Lower Upper

75 100

77 32.3 24.0 36.0

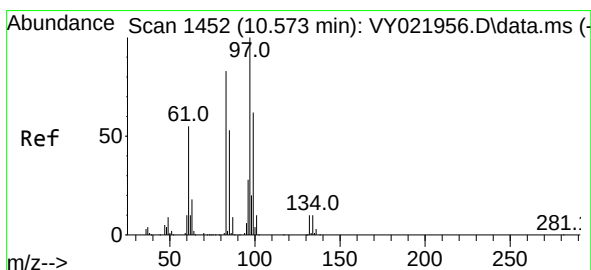
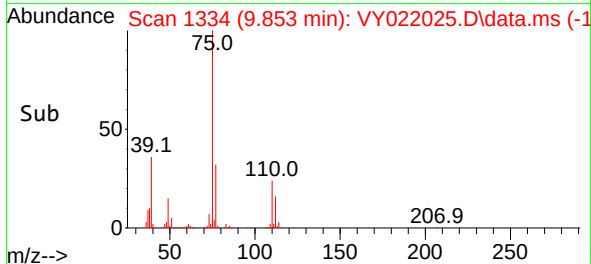
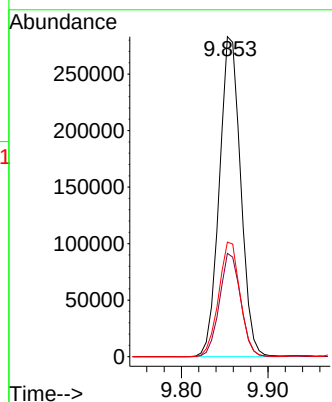
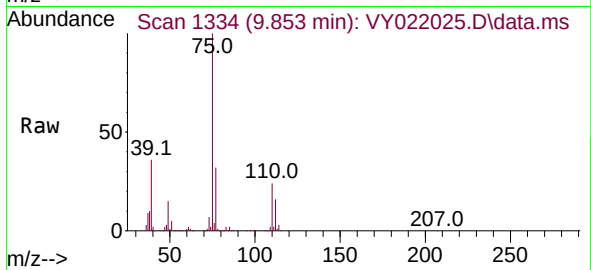




#54
 cis-1,3-Dichloropropene
 Concen: 105.775 ug/l
 RT: 9.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY022025.D
 Acq: 28 Apr 2025 12:41

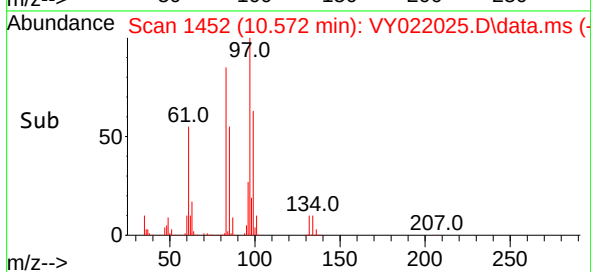
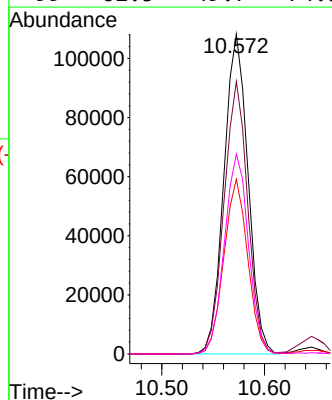
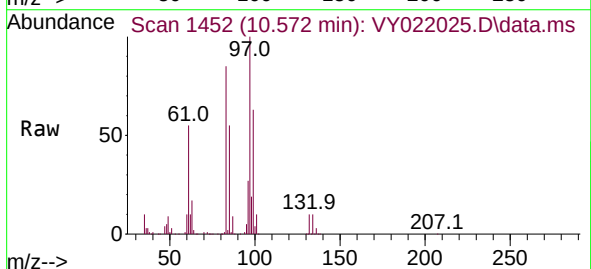
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOIL

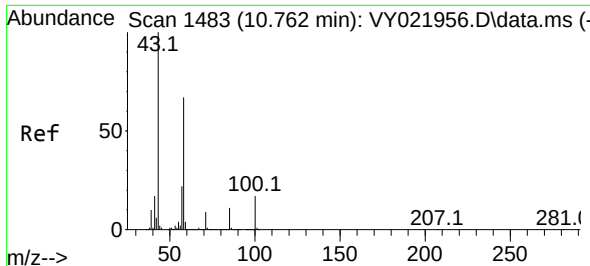
Tgt Ion: 75 Resp: 484173
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.6 40.0
 39 35.8 29.6 44.4



#55
 1,1,2-Trichloroethane
 Concen: 73.622 ug/l
 RT: 10.572 min Scan# 1452
 Delta R.T. -0.000 min
 Lab File: VY022025.D
 Acq: 28 Apr 2025 12:41

Tgt Ion: 97 Resp: 176727
 Ion Ratio Lower Upper
 97 100
 83 85.2 66.7 100.1
 85 54.6 42.6 64.0
 99 62.5 49.7 74.5

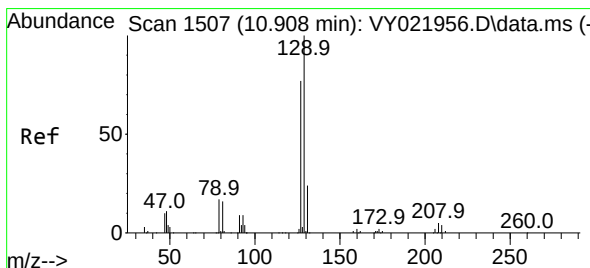
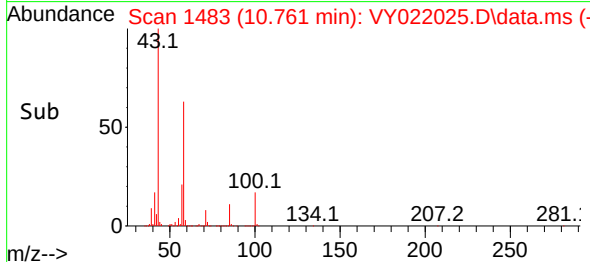
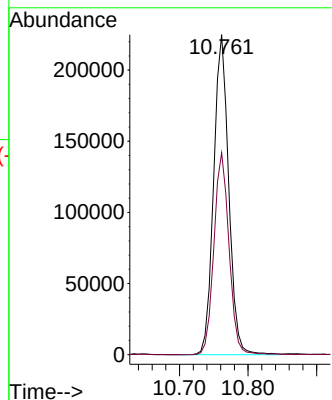
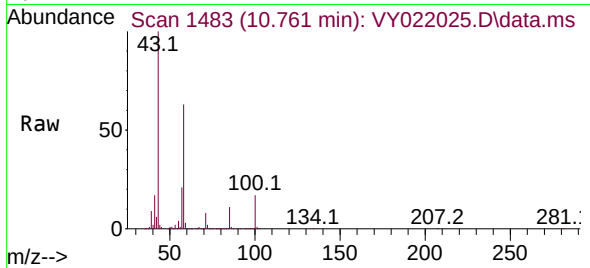




#59
2-Hexanone
Concen: 345.801 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

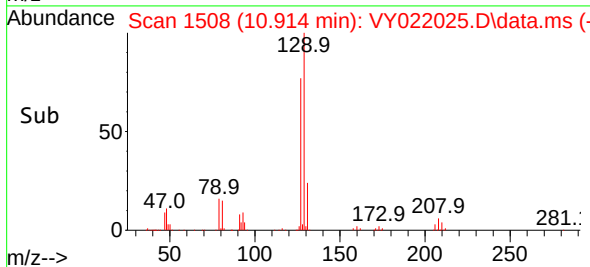
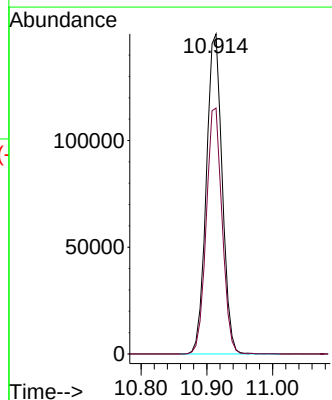
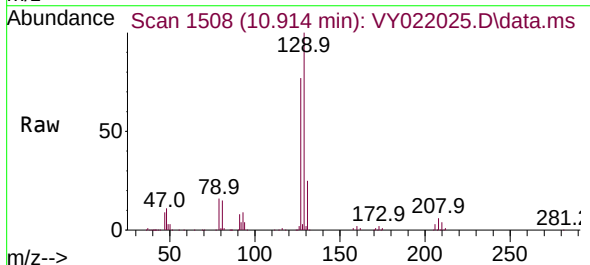
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

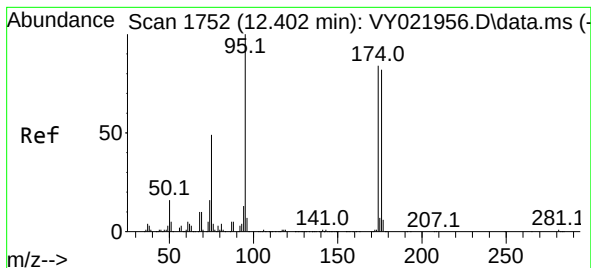
Tgt Ion: 43 Resp: 342461
Ion Ratio Lower Upper
43 100
58 63.4 32.0 96.0



#60
Dibromochloromethane
Concen: 75.684 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 129 Resp: 251529
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3

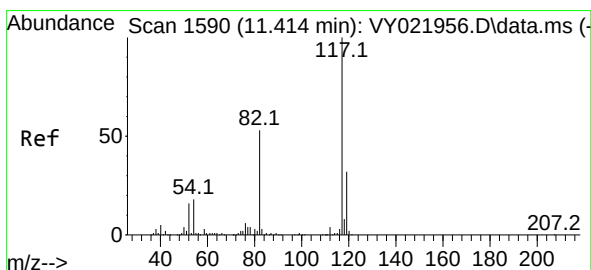
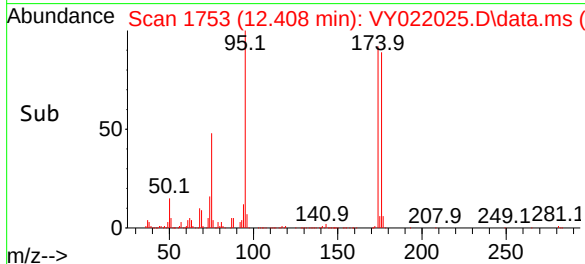
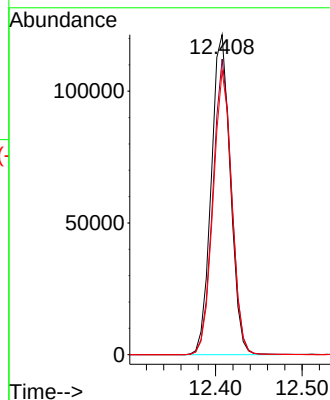
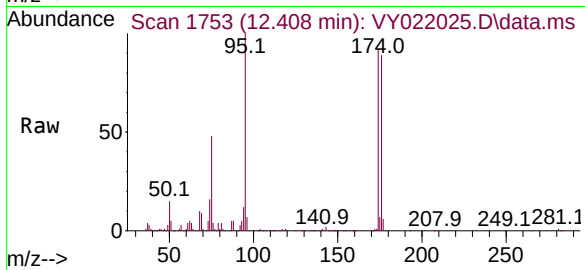




#62
4-Bromofluorobenzene
Concen: 47.388 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

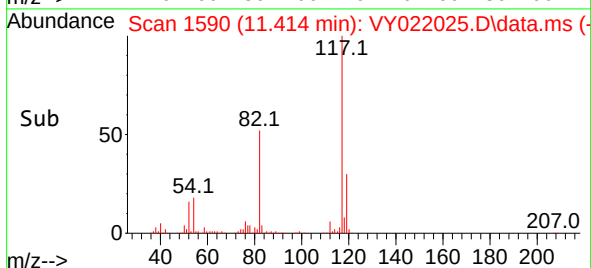
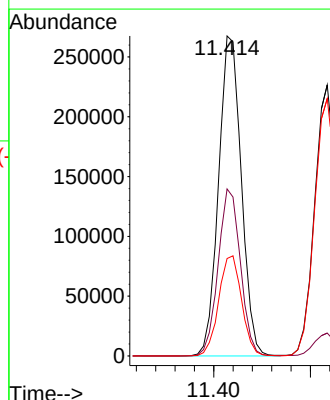
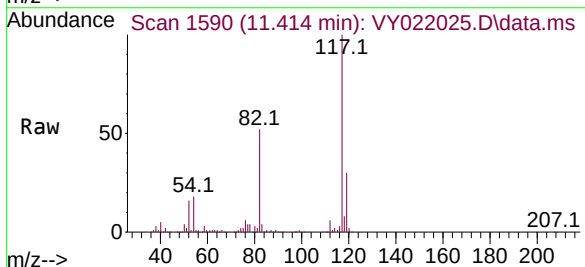
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

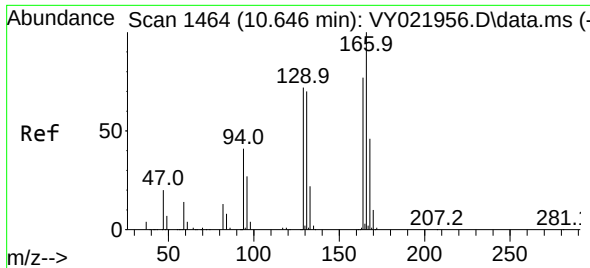
Tgt Ion: 95 Resp: 185929
Ion Ratio Lower Upper
95 100
174 90.7 0.0 179.0
176 87.1 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 117 Resp: 436036
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 30.5 25.7 38.5

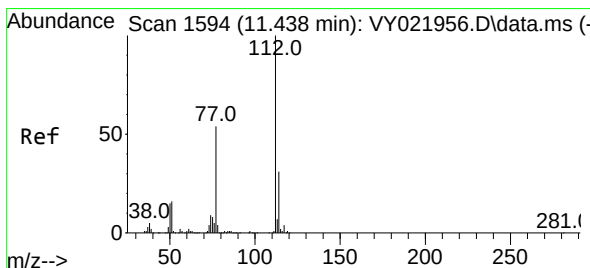
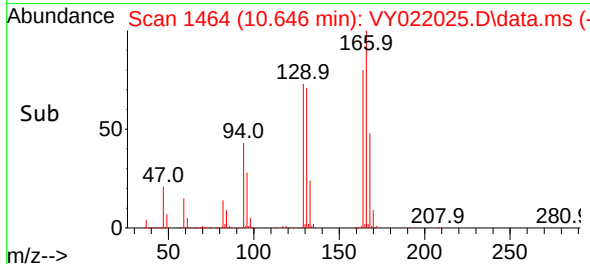
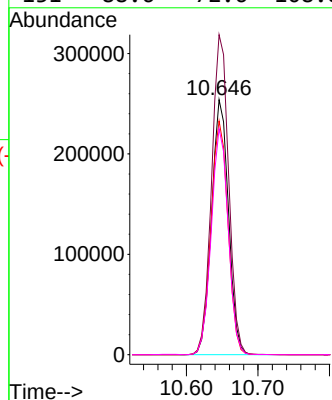
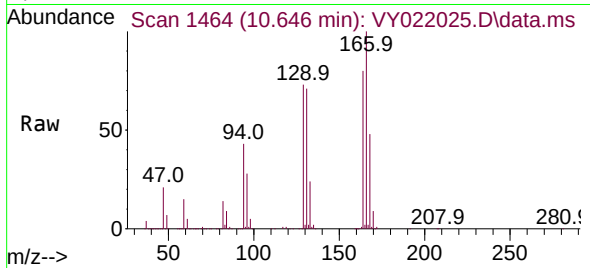




#64
Tetrachloroethene
Concen: 101.553 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

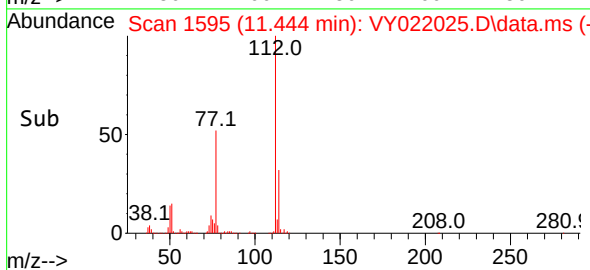
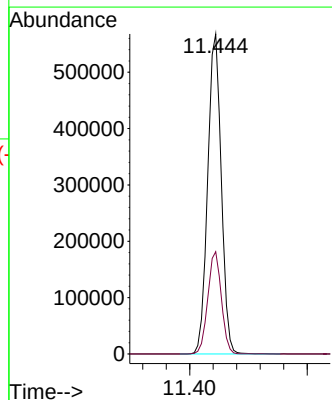
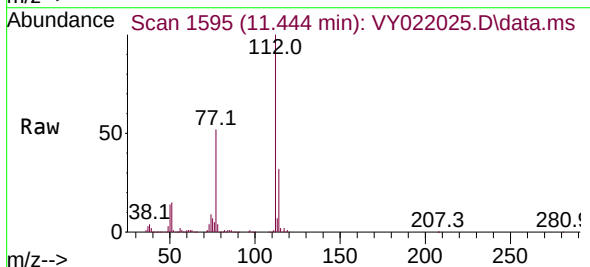
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

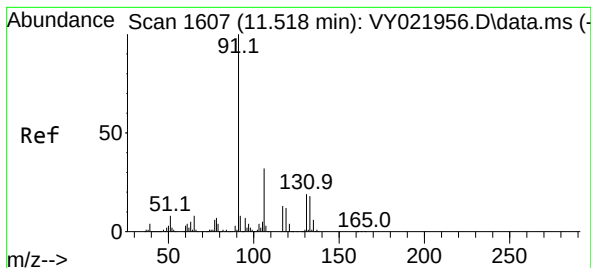
Tgt Ion:164 Resp: 417730
Ion Ratio Lower Upper
164 100
166 125.5 103.6 155.4
129 91.7 74.2 111.4
131 88.6 72.6 108.8



#65
Chlorobenzene
Concen: 93.318 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion:112 Resp: 909935
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4

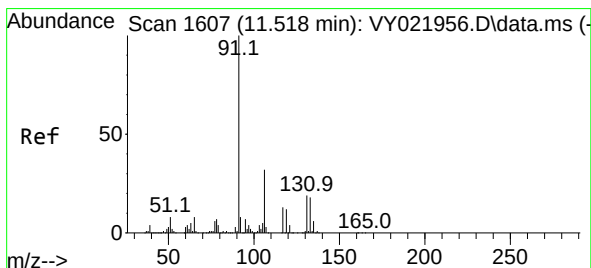
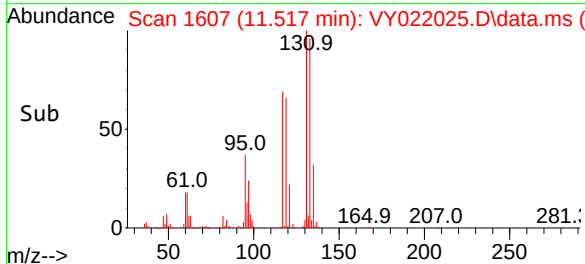
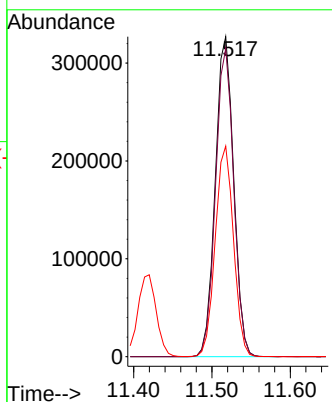
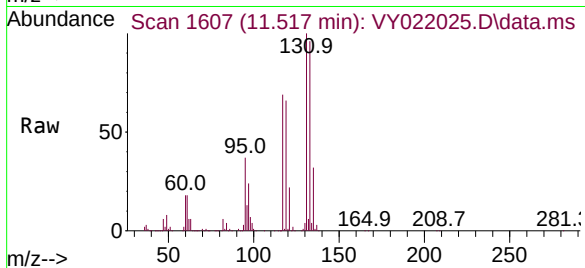




#66
1,1,1,2-Tetrachloroethane
Concen: 155.478 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

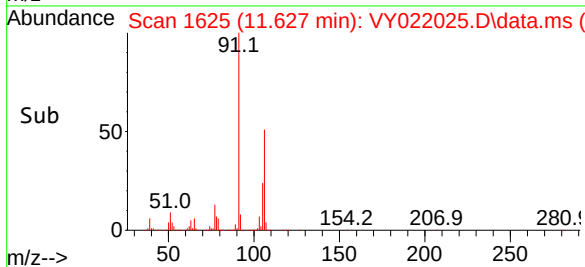
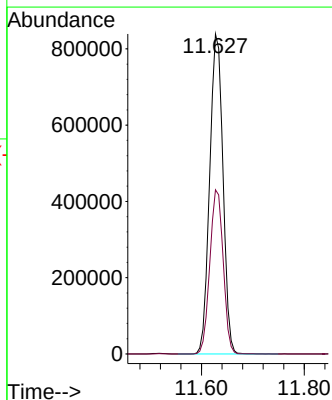
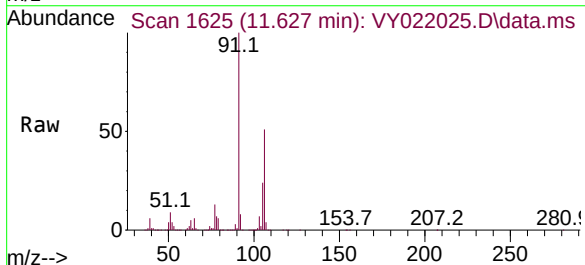
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

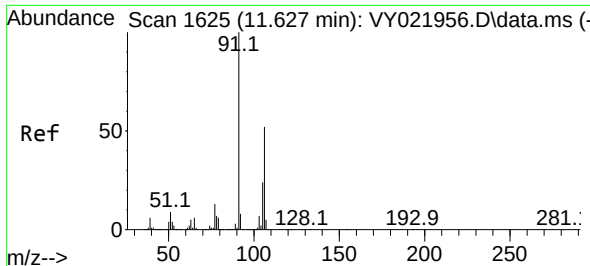
Tgt Ion:131 Resp: 533734
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.3
119 65.4 32.4 97.0



#67
Ethyl Benzene
Concen: 94.410 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.110 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 91 Resp: 1505918
Ion Ratio Lower Upper
91 100
106 51.3 25.9 38.9#

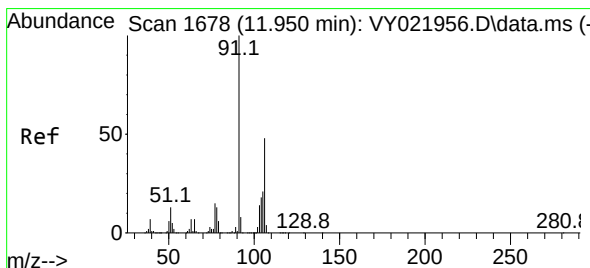
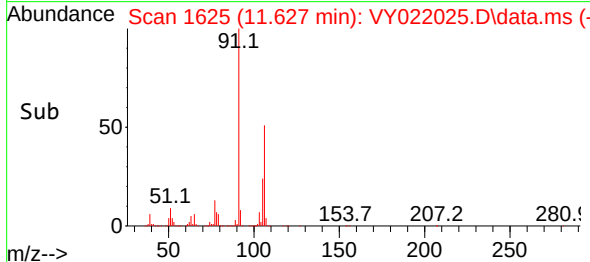
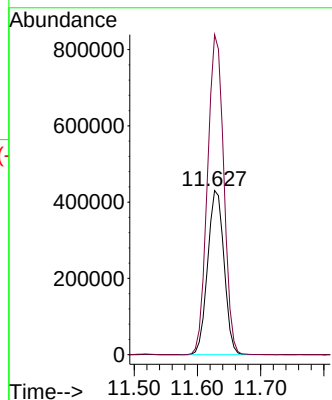
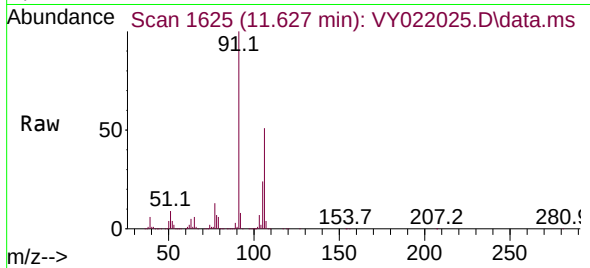




#68
m/p-Xylenes
Concen: 122.523 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

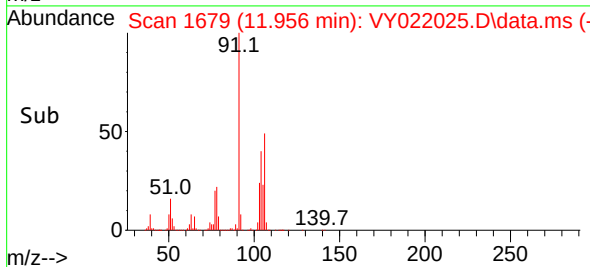
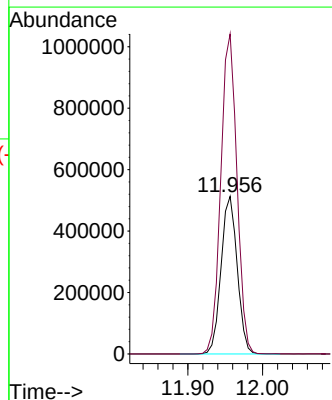
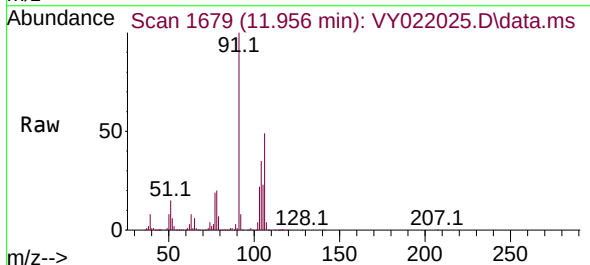
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

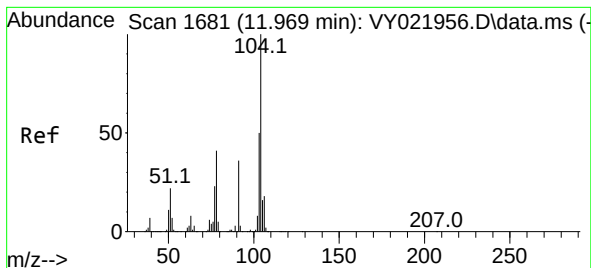
Tgt Ion:106 Resp: 777678
Ion Ratio Lower Upper
106 100
91 193.6 156.2 234.2



#69
o-Xylene
Concen: 131.730 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion:106 Resp: 770636
Ion Ratio Lower Upper
106 100
91 203.2 103.0 308.9





#70

Styrene

Concen: 135.916 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

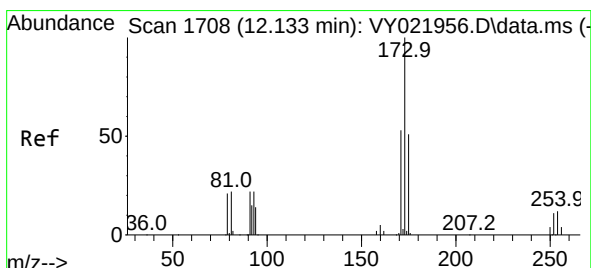
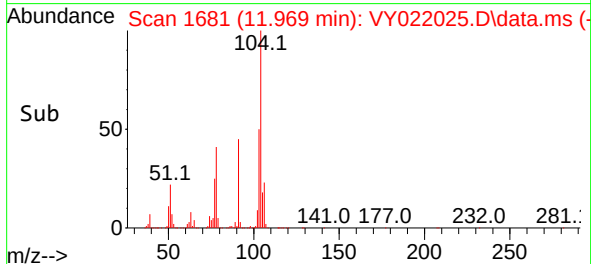
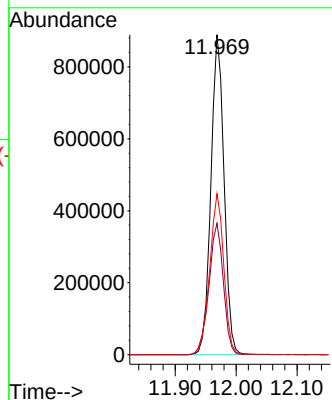
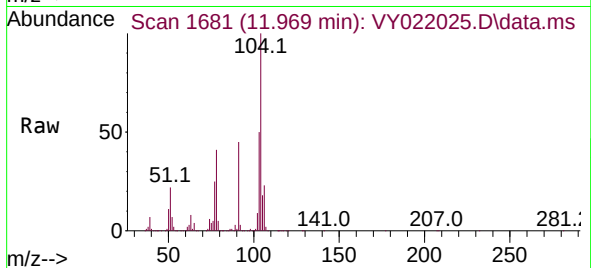
Tgt Ion:104 Resp: 1335048

Ion Ratio Lower Upper

104 100

78 45.0 36.6 54.8

103 54.1 43.8 65.8



#71

Bromoform

Concen: 99.103 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

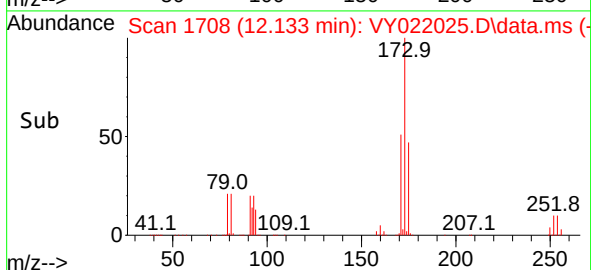
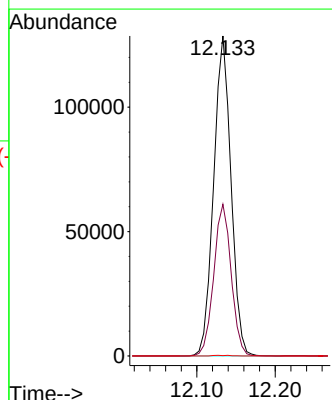
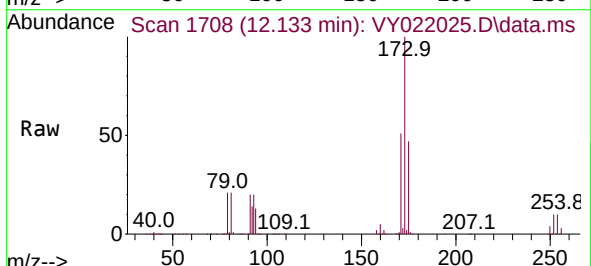
Tgt Ion:173 Resp: 197793

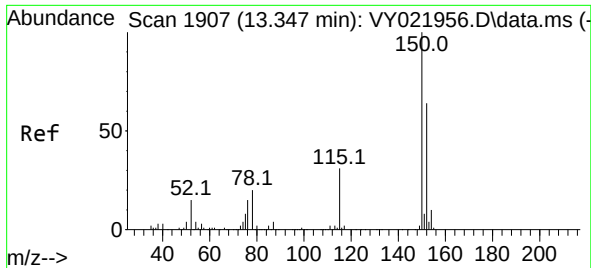
Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

254 0.2 0.0 0.0#

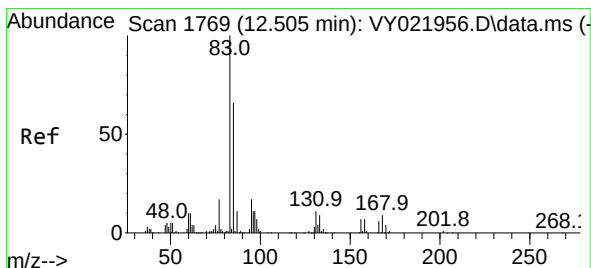
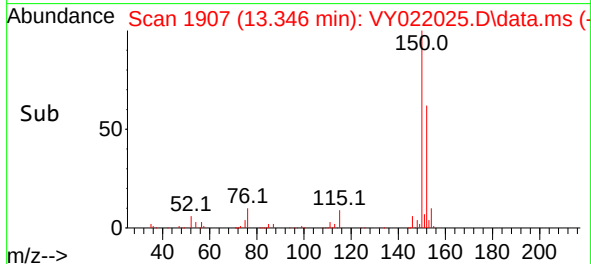
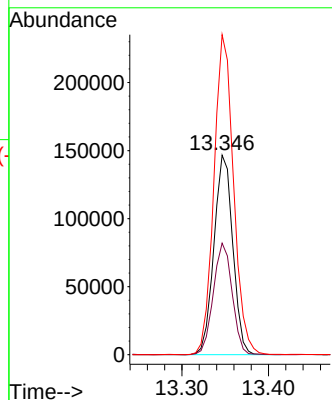
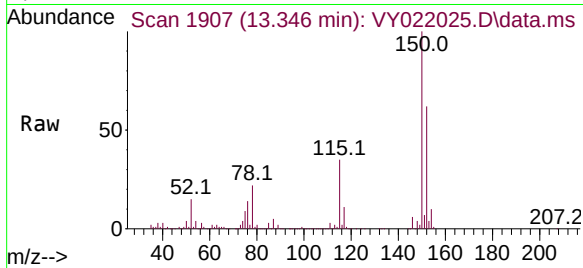




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022025.D
 Acq: 28 Apr 2025 12:41

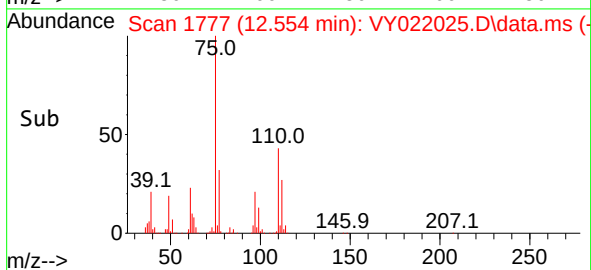
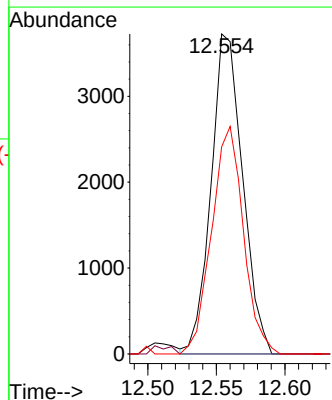
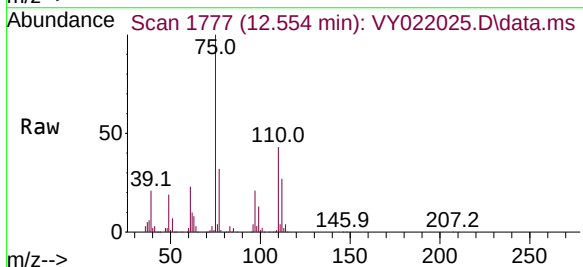
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOIL

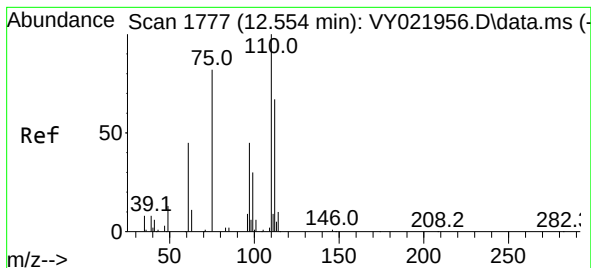
Tgt Ion:152 Resp: 221687
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.0 84.0
 150 167.1 0.0 345.6



#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.392 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.049 min
 Lab File: VY022025.D
 Acq: 28 Apr 2025 12:41

Tgt Ion: 83 Resp: 5973
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.4#
 85 71.5 32.3 96.8





#76

1,2,3-Trichloropropane

Concen: 109.430 ug/l

RT: 12.560 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

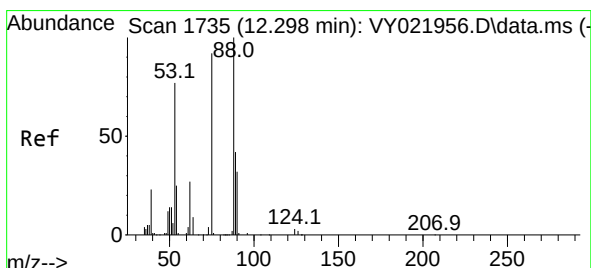
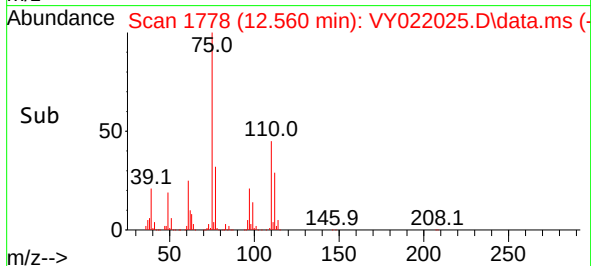
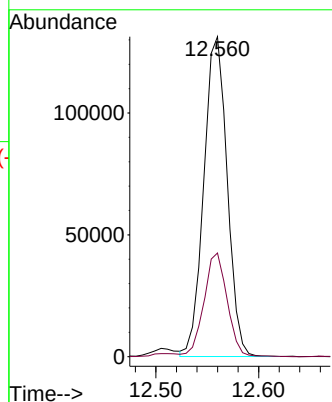
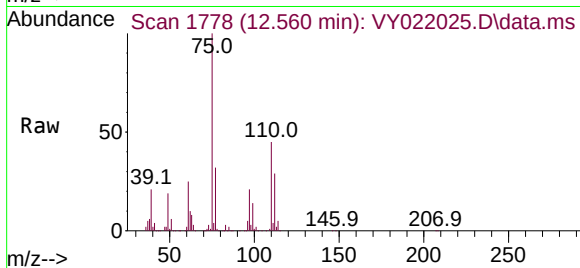
HW0425-PT-VOA-SOIL

Tgt Ion: 75 Resp: 207793

Ion Ratio Lower Upper

75 100

77 32.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.290 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

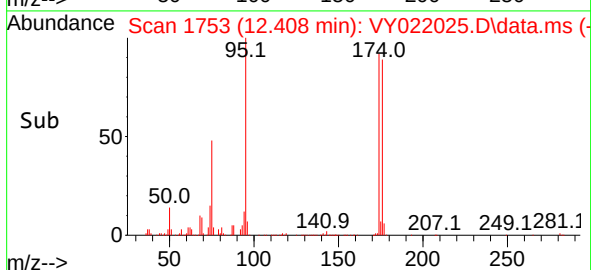
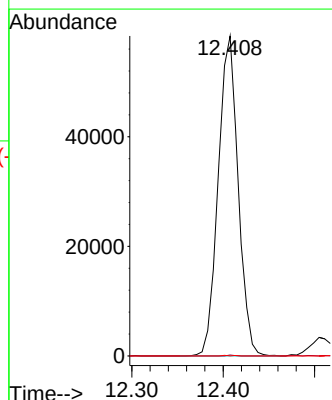
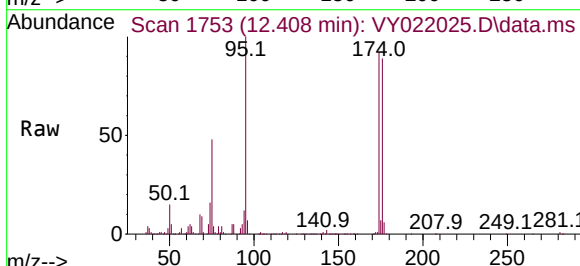
Tgt Ion: 75 Resp: 88542

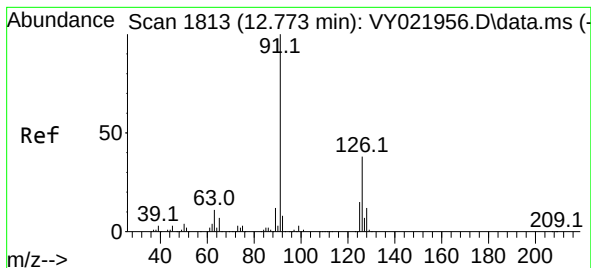
Ion Ratio Lower Upper

75 100

53 0.1 66.0 99.0#

89 0.1 37.2 55.8#





#82

4-Chlorotoluene

Concen: 16.430 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.268 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

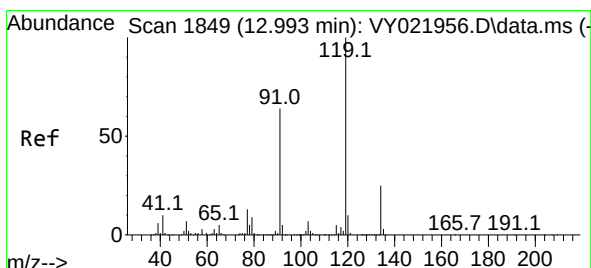
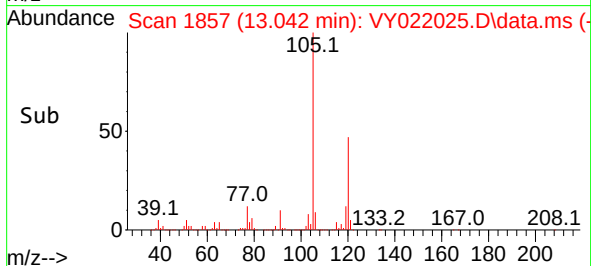
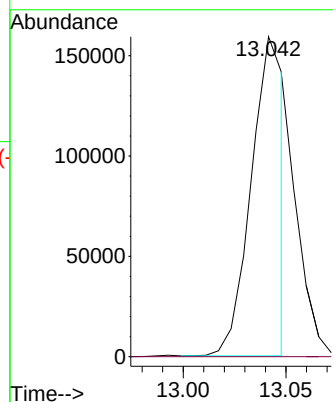
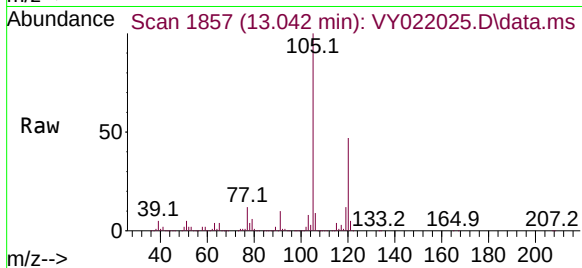
HW0425-PT-VOA-SOIL

Tgt Ion: 91 Resp: 175199

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.8#



#83

tert-Butylbenzene

Concen: 25.237 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.049 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

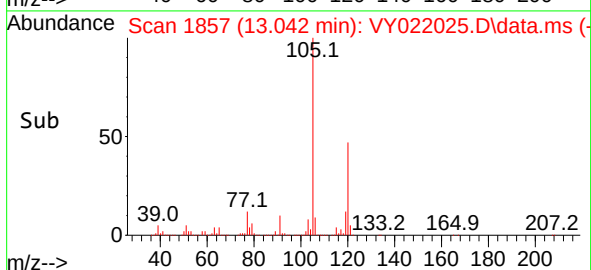
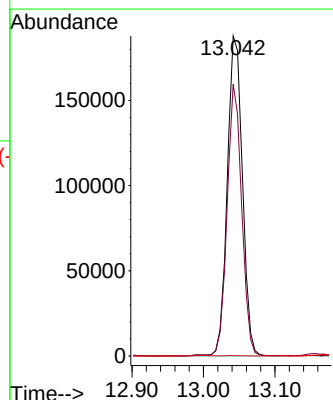
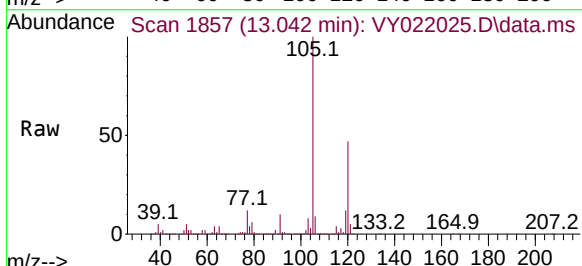
Tgt Ion: 119 Resp: 276211

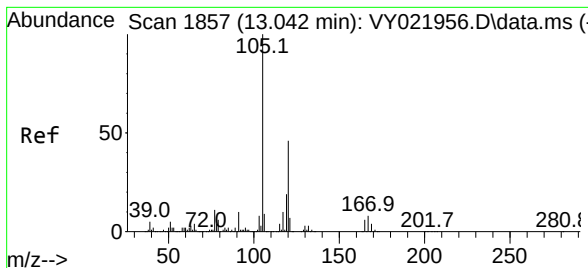
Ion Ratio Lower Upper

119 100

91 81.0 30.3 90.9

134 0.1 12.9 38.7#





#84

1,2,4-Trimethylbenzene

Concen: 178.923 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

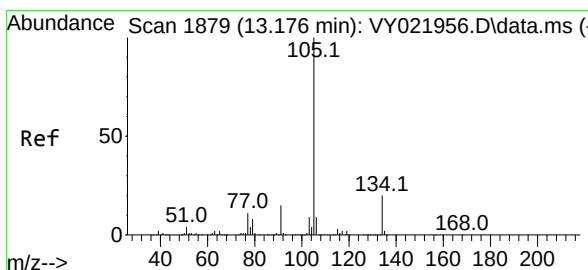
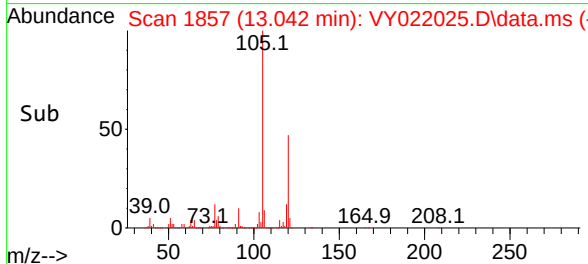
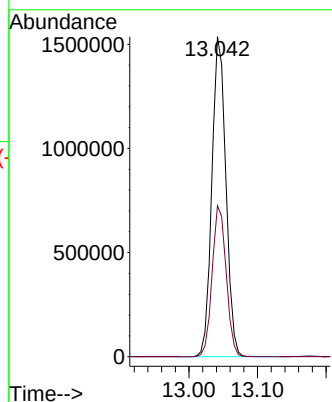
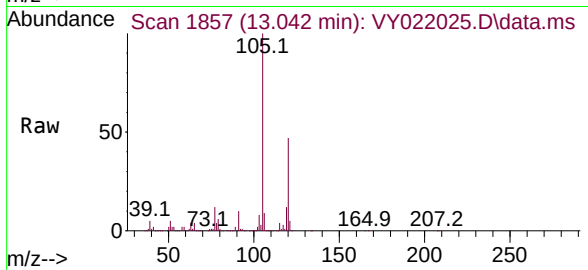
HW0425-PT-VOA-SOIL

Tgt Ion:105 Resp: 2183983

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0



#85

sec-Butylbenzene

Concen: 136.367 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.134 min

Lab File: VY022025.D

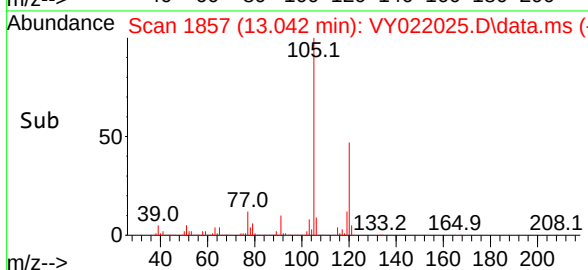
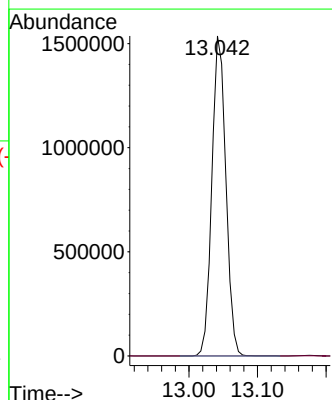
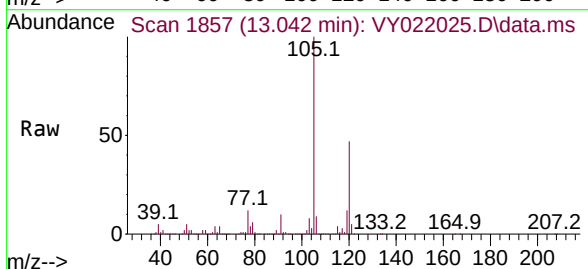
Acq: 28 Apr 2025 12:41

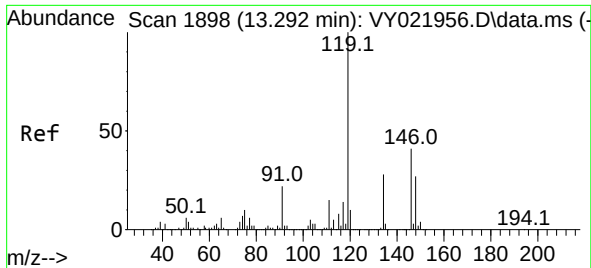
Tgt Ion:105 Resp: 2183983

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#

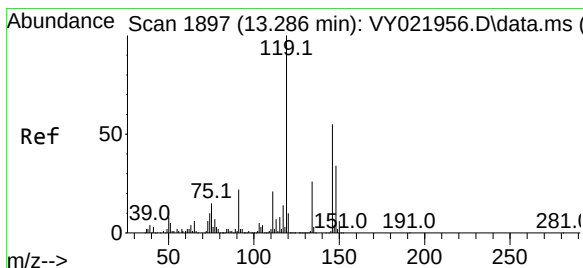
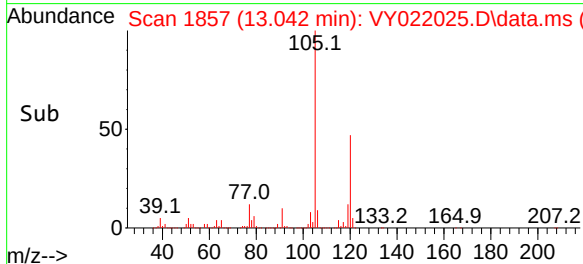
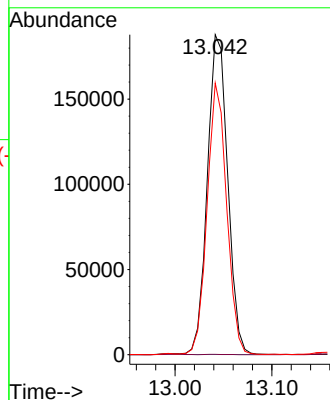
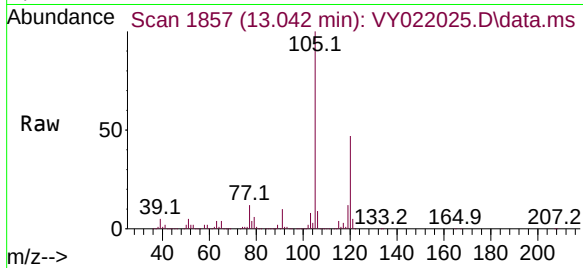




#86
p-Isopropyltoluene
Concen: 20.190 ug/l
RT: 13.042 min Scan# 11
Delta R.T. -0.250 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

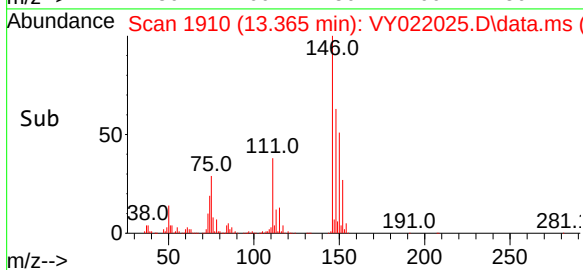
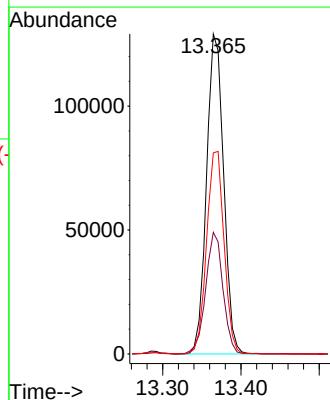
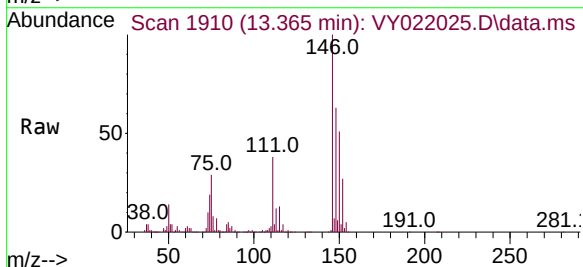
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

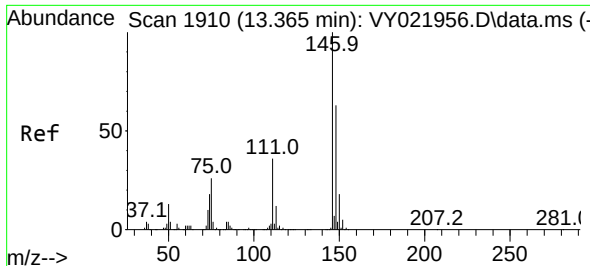
Tgt Ion:119 Resp: 274575
Ion Ratio Lower Upper
119 100
134 0.1 13.6 40.7#
91 81.5 11.0 33.0#



#87
1,3-Dichlorobenzene
Concen: 25.671 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.079 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion:146 Resp: 195134
Ion Ratio Lower Upper
146 100
111 38.6 19.1 57.5
148 64.8 32.0 96.2

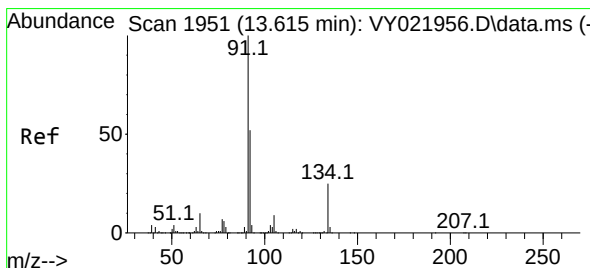
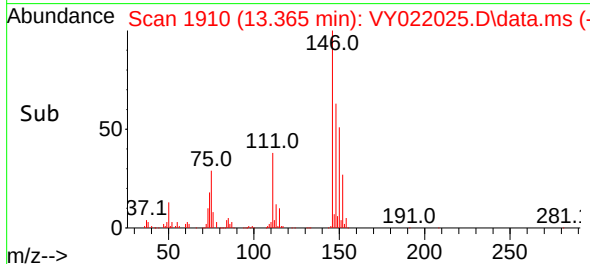
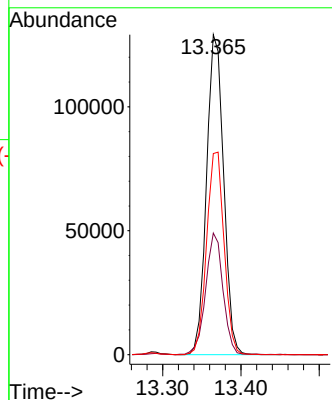
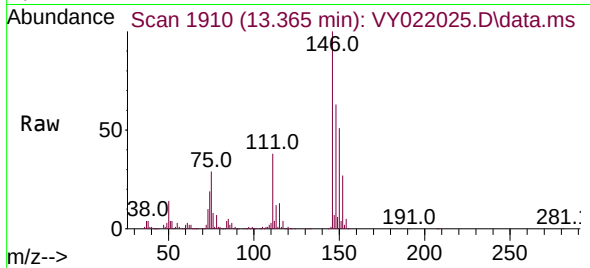




#88
1,4-Dichlorobenzene
Concen: 25.920 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

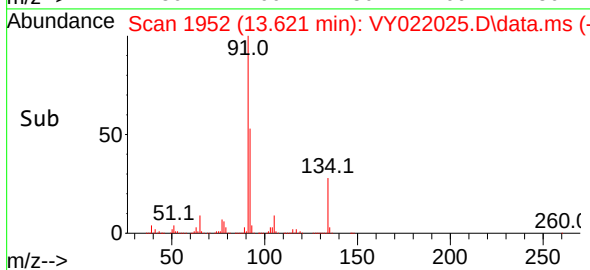
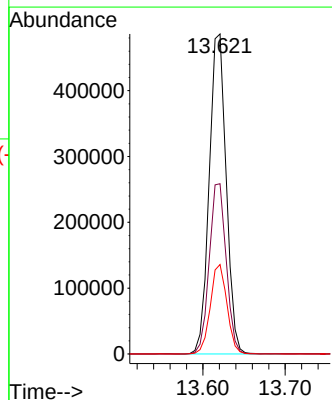
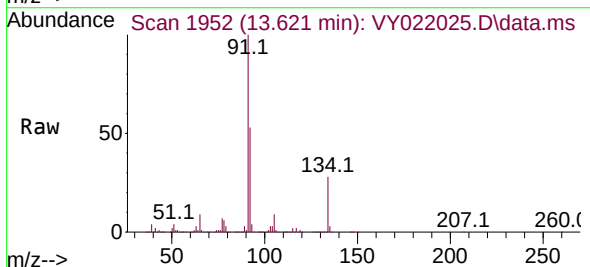
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOIL

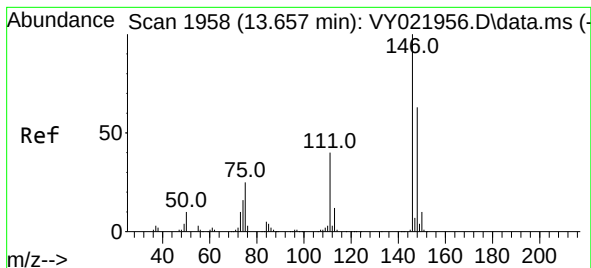
Tgt Ion:146 Resp: 195134
Ion Ratio Lower Upper
146 100
111 38.6 19.2 57.6
148 64.8 32.0 96.0



#89
n-Butylbenzene
Concen: 57.277 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022025.D
Acq: 28 Apr 2025 12:41

Tgt Ion: 91 Resp: 696238
Ion Ratio Lower Upper
91 100
92 53.3 26.5 79.5
134 27.4 13.4 40.1





#91

1,2-Dichlorobenzene

Concen: 53.433 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOIL

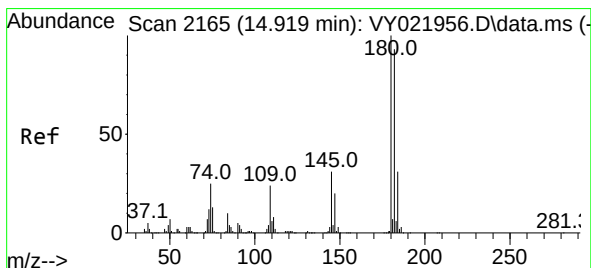
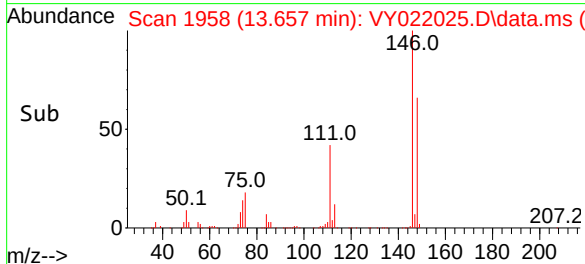
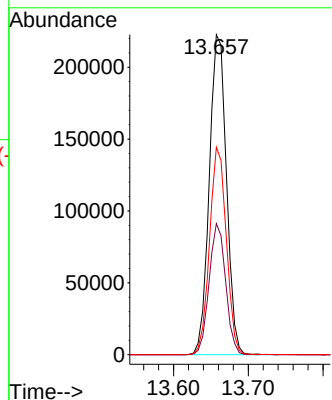
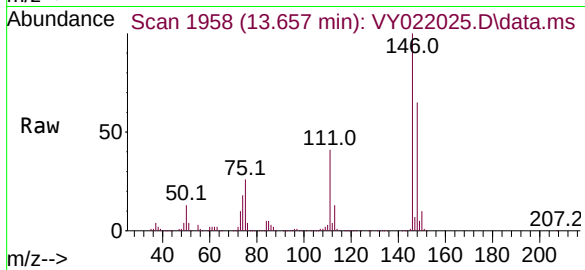
Tgt Ion:146 Resp: 354246

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.1

148 63.5 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 56.911 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022025.D

Acq: 28 Apr 2025 12:41

Tgt Ion:180 Resp: 213810

Ion Ratio Lower Upper

180 100

182 95.3 47.1 141.4

145 29.6 15.0 45.0

