

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022027.D
 Acq On : 28 Apr 2025 13:31
 Operator : SY/MD
 Sample : Q1872-23DL 4X
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 29 03:53:32 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	281088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	449487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	203192	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137701	53.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.080%	
35) Dibromofluoromethane	7.634	113	152677	51.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.103	98	588177	52.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.408	95	182351	48.385	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.760%	

Target Compounds						Qvalue
11) Tert butyl alcohol	5.092	59	481	3.375	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	95988	34.351	ug/l	98
15) Acrylonitrile	5.122	53	3167	6.014	ug/l #	30
16) Acetone	3.879	43	35453	90.712	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	247447	39.565	ug/l	98
20) Methylene Chloride	4.610	84	7244	2.206	ug/l #	92
22) Diisopropyl ether	6.019	45	172707	23.852	ug/l	98
23) Vinyl Acetate	6.019	43	94877	24.313	ug/l #	66
25) 2-Butanone	6.896	43	47282	79.891	ug/l	99
26) 2,2-Dichloropropane	6.878	77	157016	35.694	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	34744	9.929	ug/l	75
28) Bromochloromethane	7.421	49	7574	3.885	ug/l #	3
30) Chloroform	7.421	83	102217	18.361	ug/l	99
31) Cyclohexane	7.707	56	5491	1.279	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	19964	5.005	ug/l #	49
37) Ethyl Acetate	6.896	43	47282	33.004	ug/l #	1
38) Carbon Tetrachloride	7.817	117	123099	25.826	ug/l	99
40) Benzene	8.079	78	269814	21.639	ug/l	99
42) 1,2-Dichloroethane	8.158	62	37062	12.005	ug/l	100
45) 1,2-Dichloropropane	9.140	63	36591	13.270	ug/l	93
46) Dibromomethane	9.420	93	5766	3.340	ug/l #	2
47) Bromodichloromethane	9.420	83	180589	41.878	ug/l	97
48) Methyl methacrylate	9.140	41	18528	14.568	ug/l #	26
49) 1,4-Dioxane	9.420	88	192	10.436	ug/l #	34
51) 4-Methyl-2-Pentanone	10.000	43	110372	76.529	ug/l	98
52) Toluene	10.170	92	352523	43.676	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	96545	26.102	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	99082	22.535	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	39891	17.301	ug/l	98
59) 2-Hexanone	10.762	43	68031	71.516	ug/l	96
60) Dibromochloromethane	10.908	129	56415	17.672	ug/l	99
64) Tetrachloroethene	10.646	164	91567	23.688	ug/l	99
65) Chlorobenzene	11.438	112	199027	21.720	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	117423	36.398	ug/l	99
67) Ethyl Benzene	11.627	91	295531	19.715	ug/l #	67
68) m/p-Xylenes	11.627	106	151628	25.420	ug/l	100

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 Response via : Initial Calibration

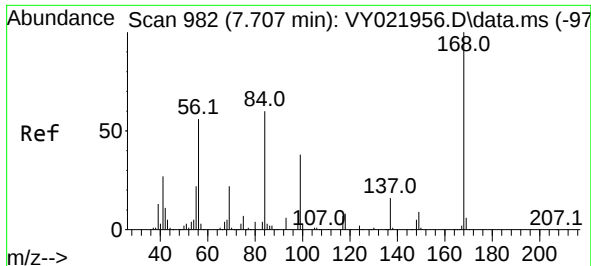
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	11.957	106	152488	27.737	ug/l	98
70) Styrene	11.969	104	264873	28.694	ug/l	100
71) Bromoform	12.133	173	43262	23.066	ug/l #	98
76) 1,2,3-Trichloropropane	12.560	75	46899	26.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	85887	118.837	ug/l #	16
82) 4-Chlorotoluene	13.042	91	34829	3.564	ug/l #	39
83) tert-Butylbenzene	13.042	119	53919	5.375	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.042	105	394599	35.270	ug/l	100
85) sec-Butylbenzene	13.042	105	394599	26.881	ug/l #	56
86) p-Isopropyltoluene	13.042	119	53530	4.294	ug/l #	17
87) 1,3-Dichlorobenzene	13.365	146	41186	5.912	ug/l	94
88) 1,4-Dichlorobenzene	13.365	146	41186	5.969	ug/l	94
89) n-Butylbenzene	13.621	91	124358	11.162	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	74160	12.204	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	37762	10.966	ug/l	97

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

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QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

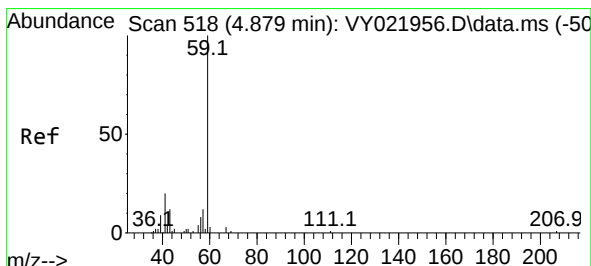
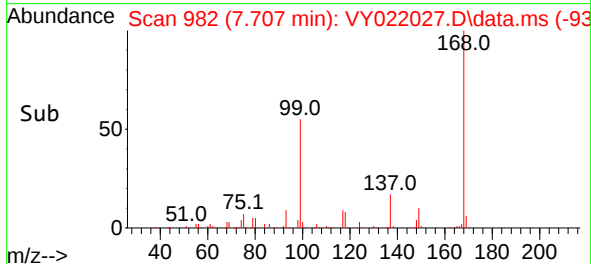
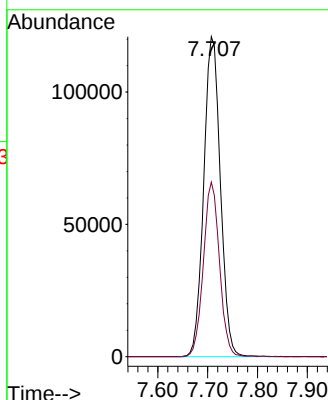
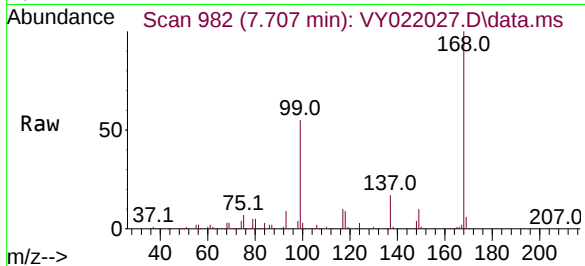




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

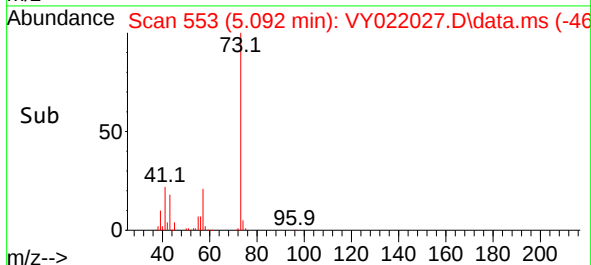
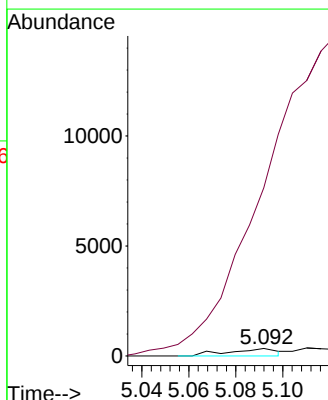
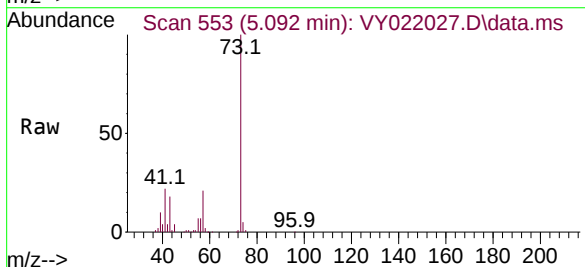
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

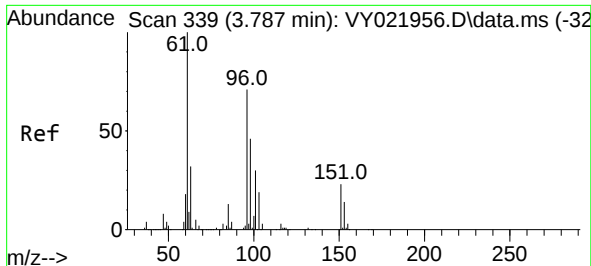
Tgt Ion:168 Resp: 281088
Ion Ratio Lower Upper
168 100
99 54.6 43.1 64.7



#11
Tert butyl alcohol
Concen: 3.375 ug/l
RT: 5.092 min Scan# 553
Delta R.T. 0.213 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 59 Resp: 481
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

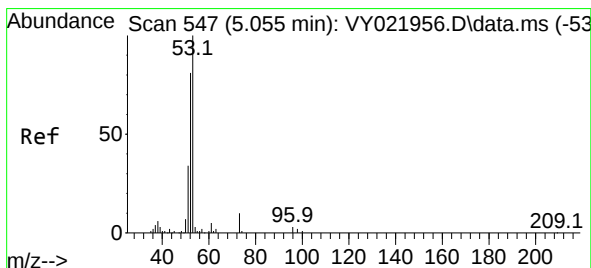
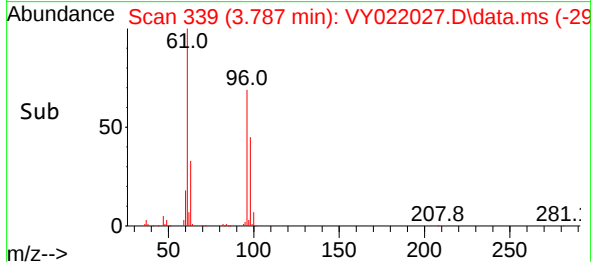
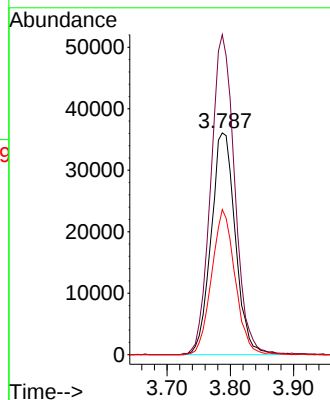
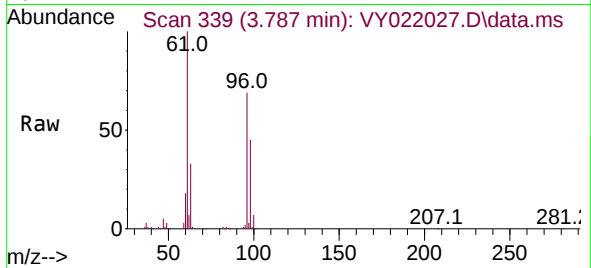




#12
1,1-Dichloroethene
Concen: 34.351 ug/l
RT: 3.787 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

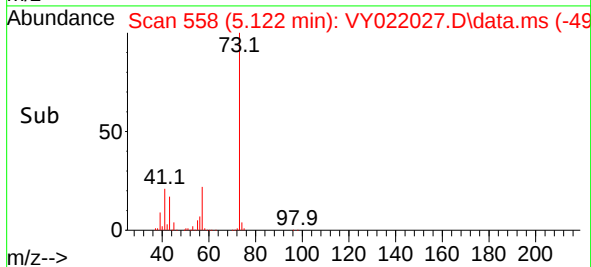
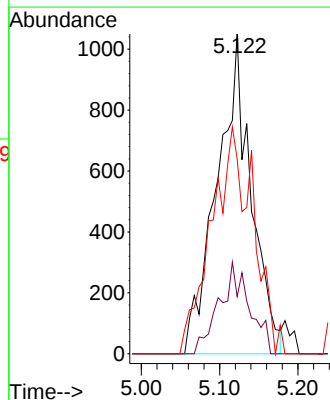
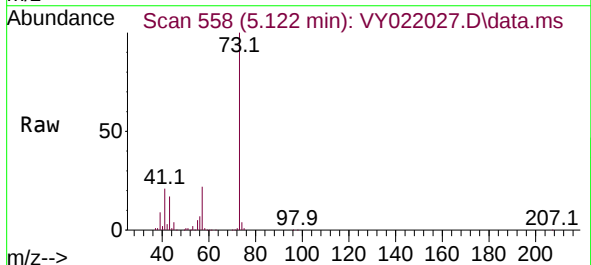
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

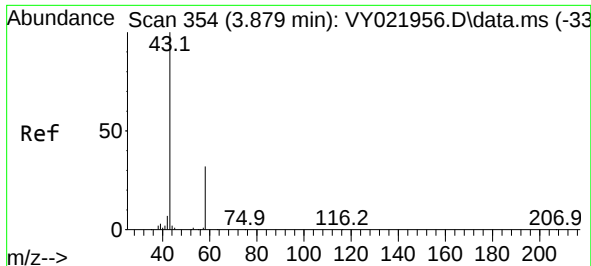
Tgt Ion: 96 Resp: 95988
Ion Ratio Lower Upper
96 100
61 144.3 113.0 169.4
98 65.4 51.4 77.2



#15
Acrylonitrile
Concen: 6.014 ug/l
RT: 5.122 min Scan# 558
Delta R.T. 0.067 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 53 Resp: 3167
Ion Ratio Lower Upper
53 100
52 25.2 65.0 97.6#
51 86.4 28.9 43.3#

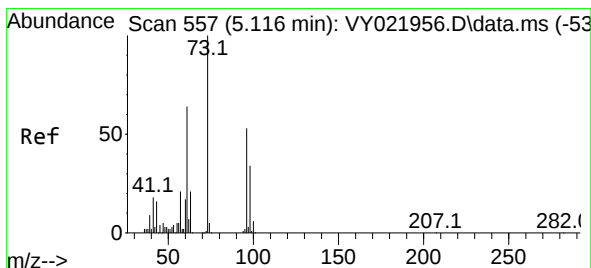
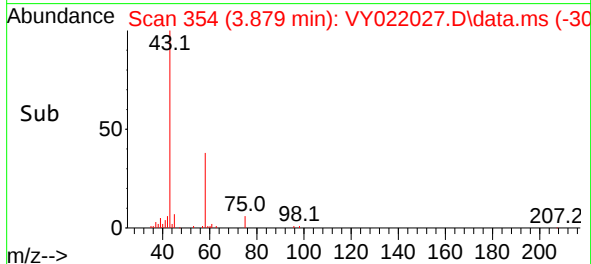
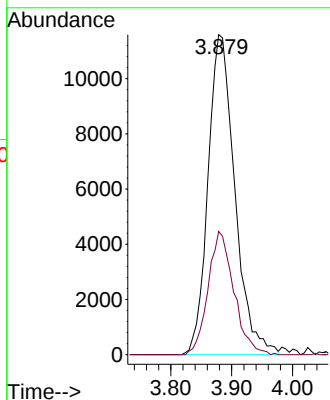
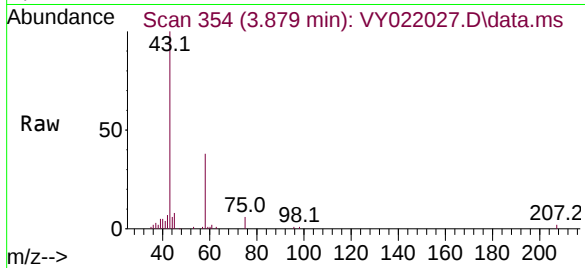




#16
Acetone
Concen: 90.712 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

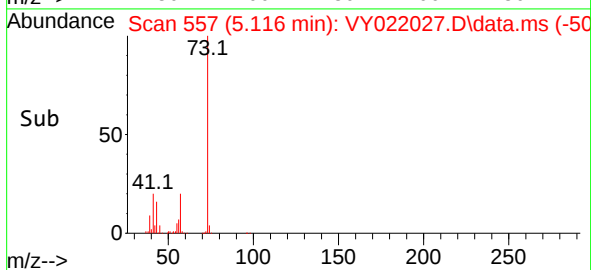
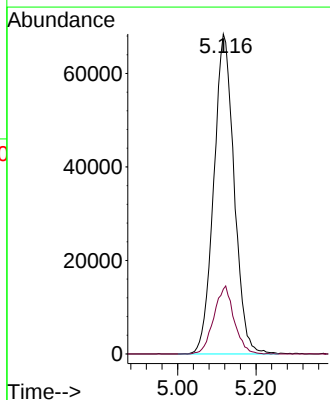
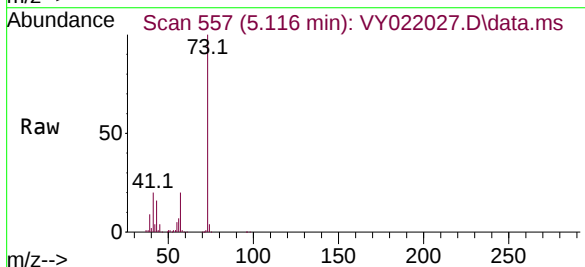
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

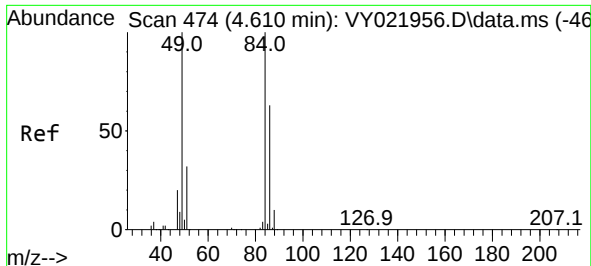
Tgt Ion: 43 Resp: 35453
Ion Ratio Lower Upper
43 100
58 38.5 27.0 40.4



#19
Methyl tert-butyl Ether
Concen: 39.565 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

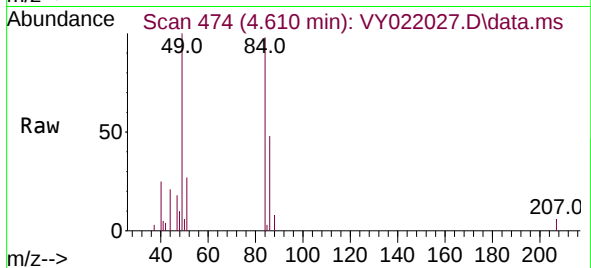
Tgt Ion: 73 Resp: 247447
Ion Ratio Lower Upper
73 100
57 20.3 16.9 25.3



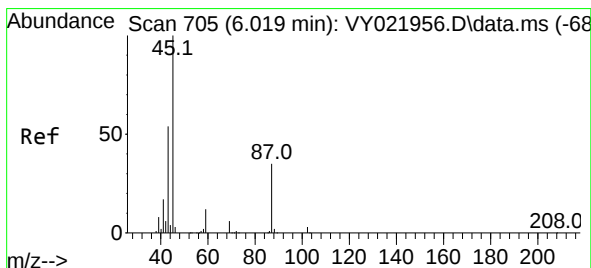
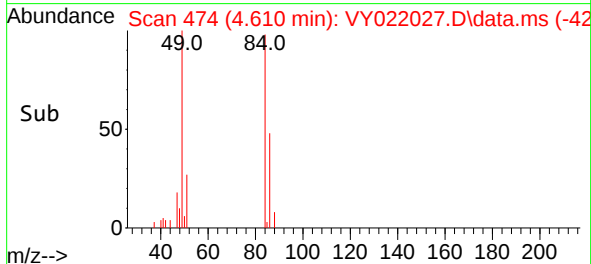
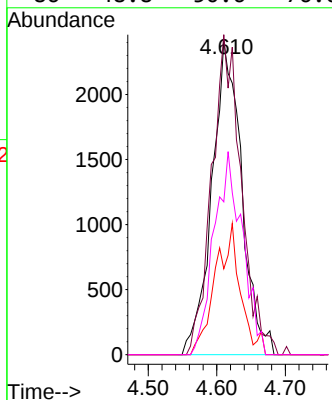


#20
Methylene Chloride
Concen: 2.206 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

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

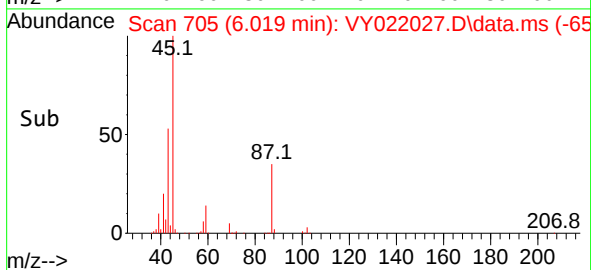
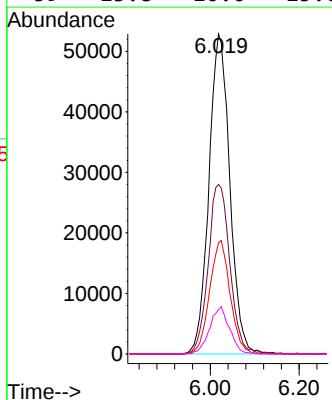
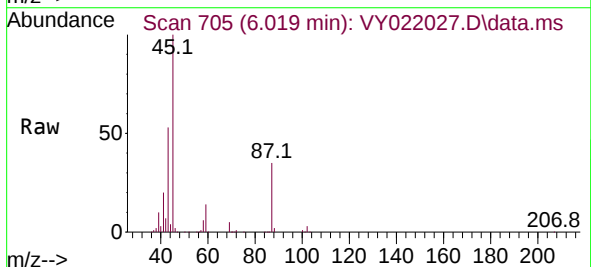


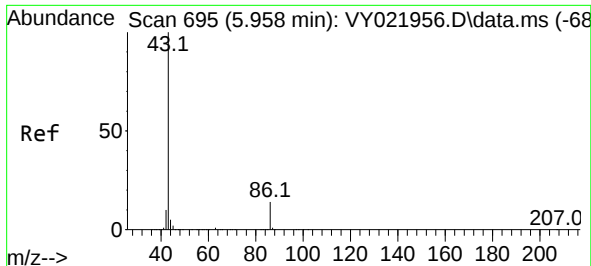
Tgt Ion:	84	Resp:	7244
Ion	Ratio	Lower	Upper
84	100		
49	102.1	79.9	119.9
51	27.4	25.4	38.0
86	48.8	50.6	76.0



#22
Diisopropyl ether
Concen: 23.852 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion:	45	Resp:	172707
Ion	Ratio	Lower	Upper
45	100		
43	53.0	43.6	65.4
87	34.7	28.2	42.4
59	13.8	10.0	15.0

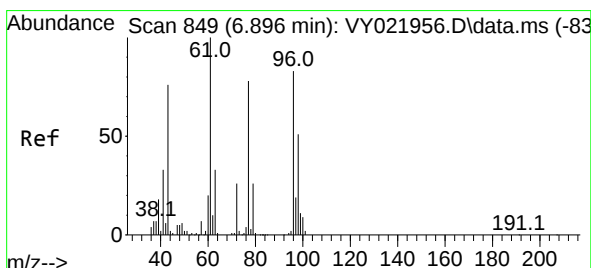
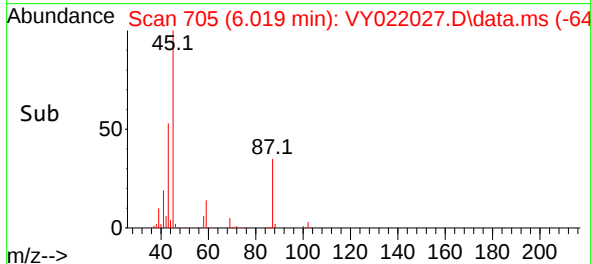
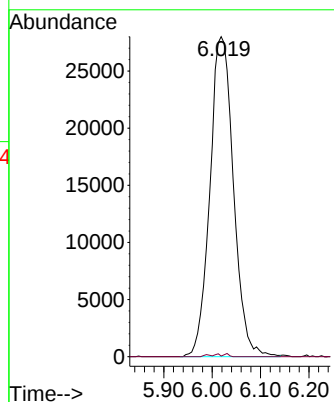
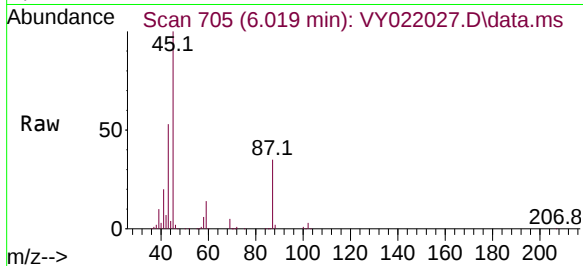




#23
 Vinyl Acetate
 Concen: 24.313 ug/l
 RT: 6.019 min Scan# 705
 Delta R.T. 0.061 min
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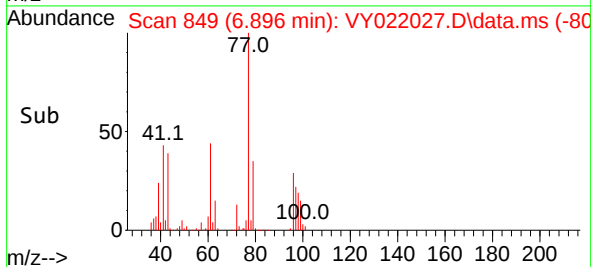
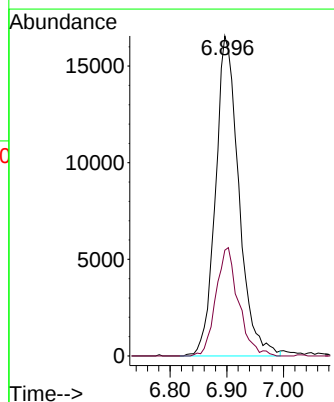
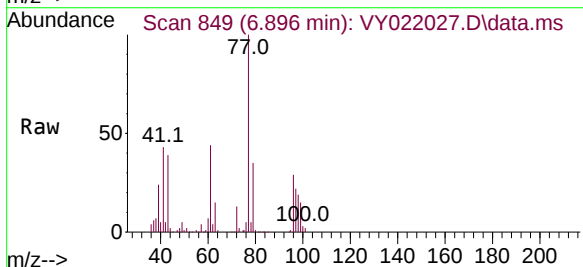
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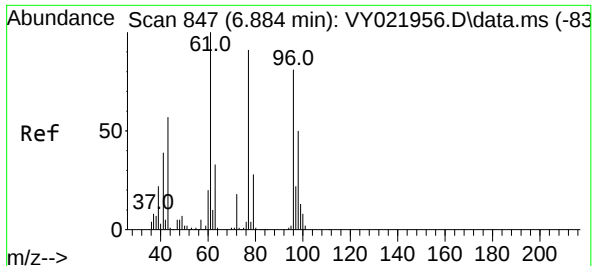
Tgt Ion: 43 Resp: 94877
 Ion Ratio Lower Upper
 43 100
 86 0.2 11.1 16.7#



#25
 2-Butanone
 Concen: 79.891 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. 0.000 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

Tgt Ion: 43 Resp: 47282
 Ion Ratio Lower Upper
 43 100
 72 33.0 27.0 40.4





#26

2,2-Dichloropropane

Concen: 35.694 ug/l

RT: 6.878 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

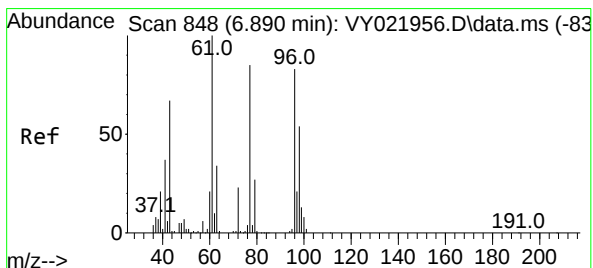
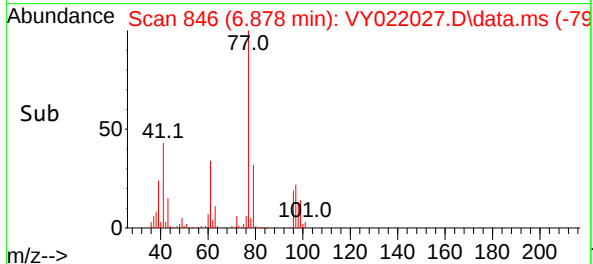
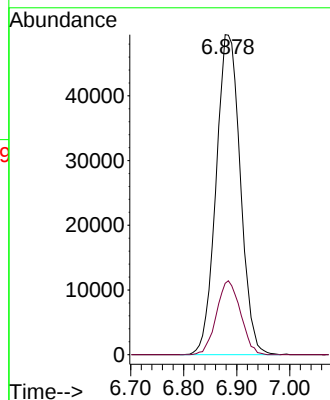
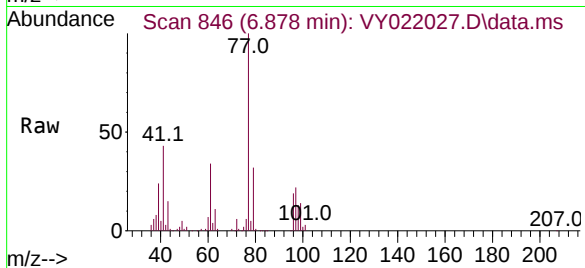
HW0425-PT-VOA-SOILD

Tgt Ion: 77 Resp: 157016

Ion Ratio Lower Upper

77 100

97 22.9 12.4 37.4



#27

cis-1,2-Dichloroethene

Concen: 9.929 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

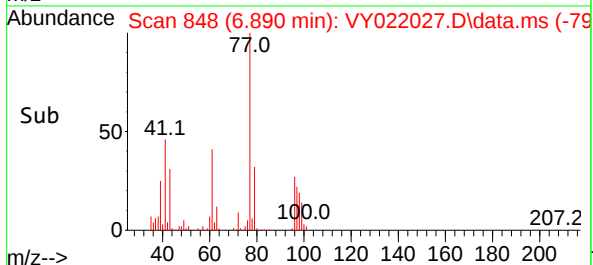
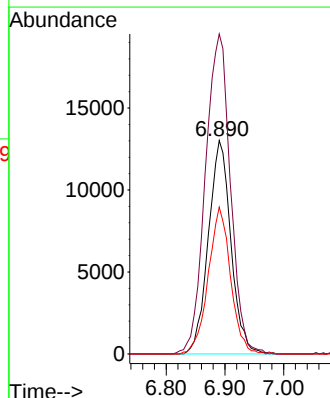
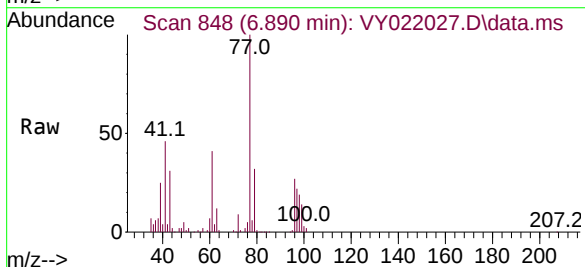
Tgt Ion: 96 Resp: 34744

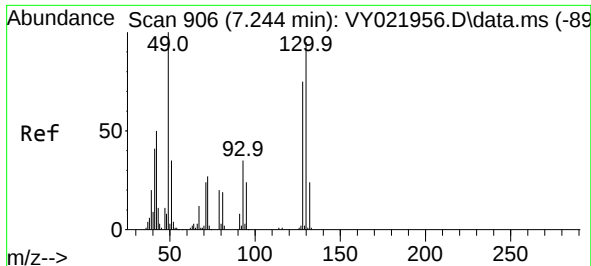
Ion Ratio Lower Upper

96 100

61 166.2 0.0 251.4

98 68.1 0.0 128.4

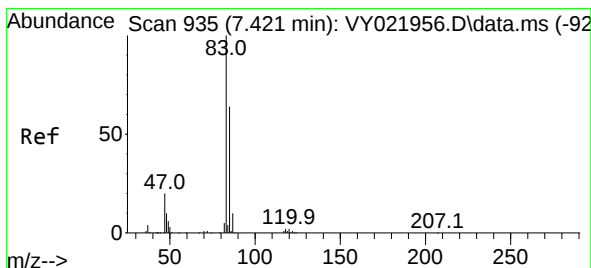
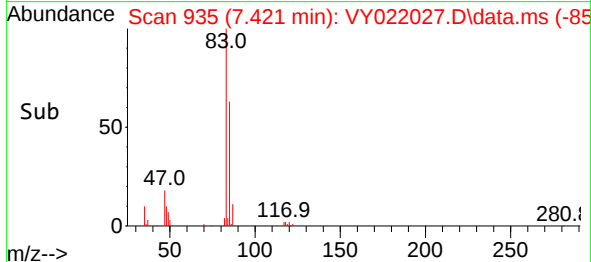
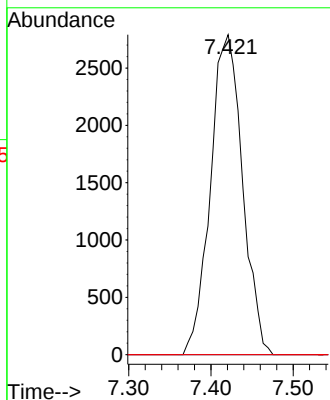
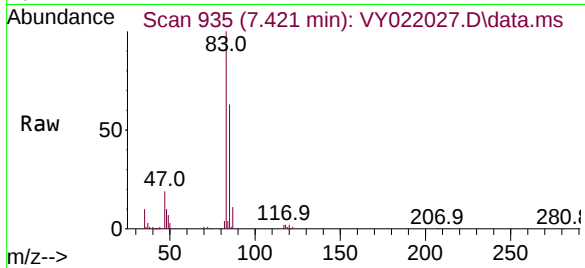




#28
Bromochloromethane
Concen: 3.885 ug/l
RT: 7.421 min Scan# 91
Delta R.T. 0.177 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

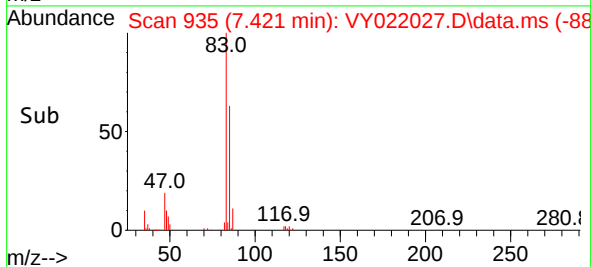
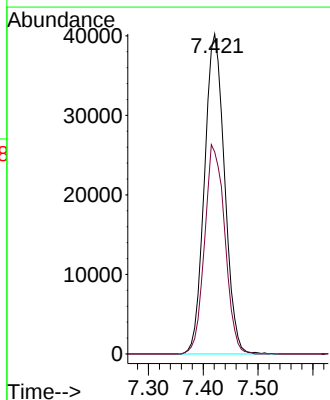
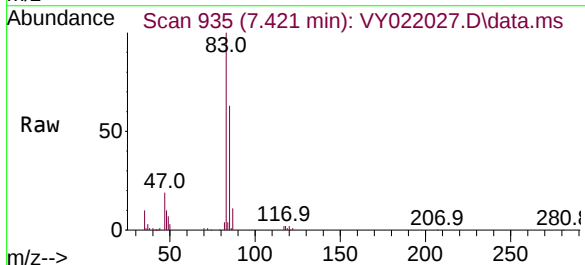
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

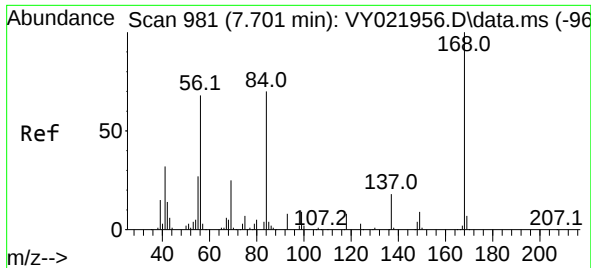
Tgt Ion: 49 Resp: 7574
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 0.0 78.2 117.4#



#30
Chloroform
Concen: 18.361 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 83 Resp: 102217
Ion Ratio Lower Upper
83 100
85 63.1 51.3 76.9

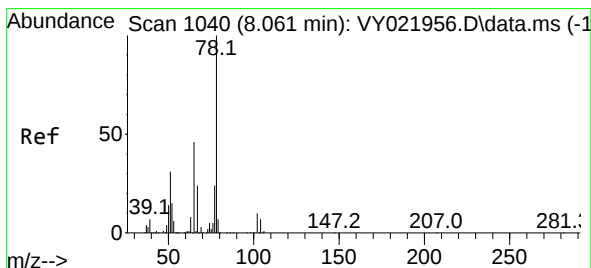
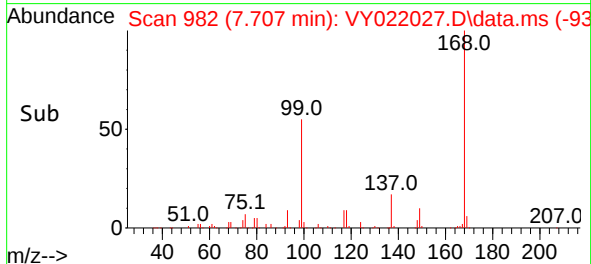
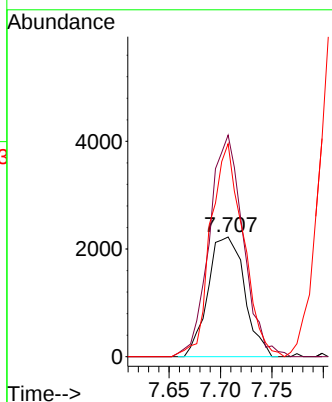
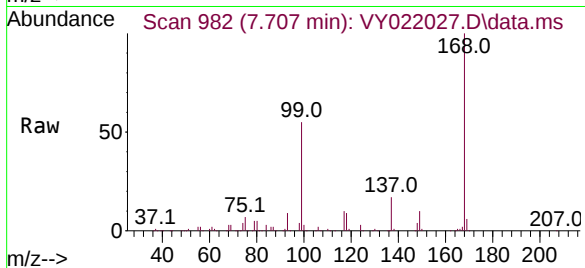




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

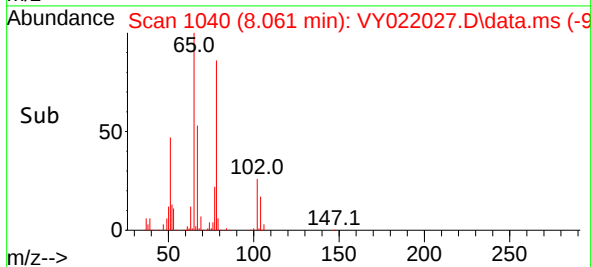
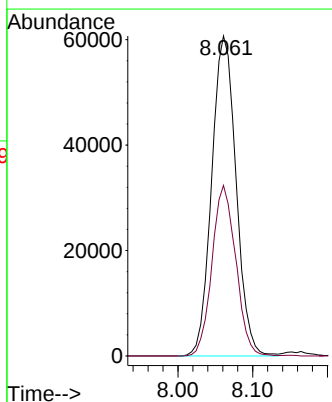
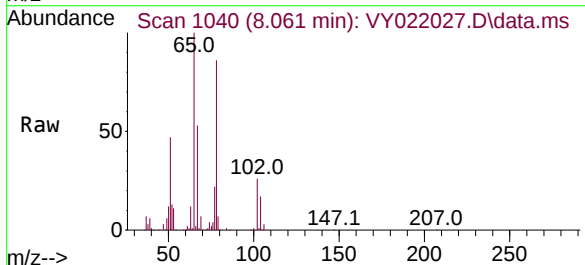
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

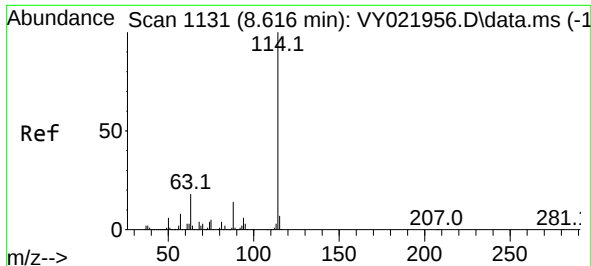
Tgt Ion: 56 Resp: 5491
Ion Ratio Lower Upper
56 100
69 182.4 29.4 44.2#
84 175.2 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.036 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 65 Resp: 137701
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8

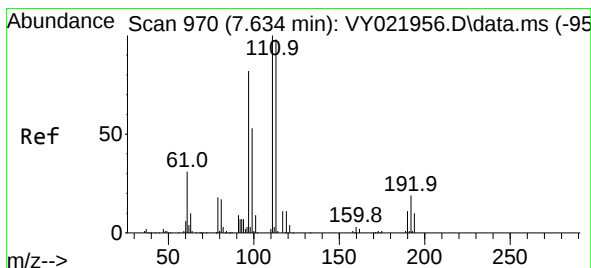
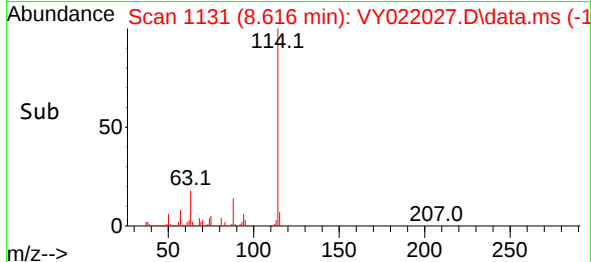
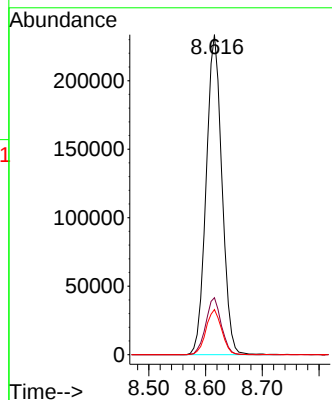
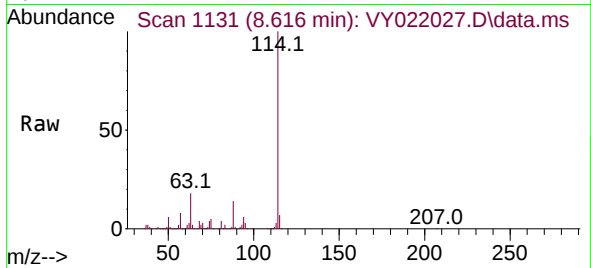




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

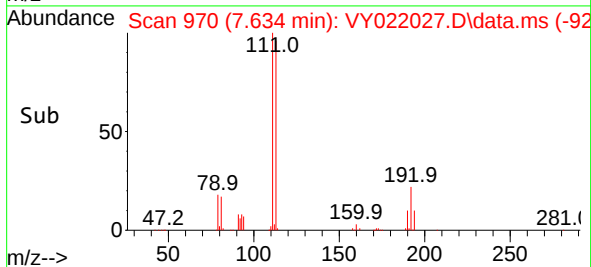
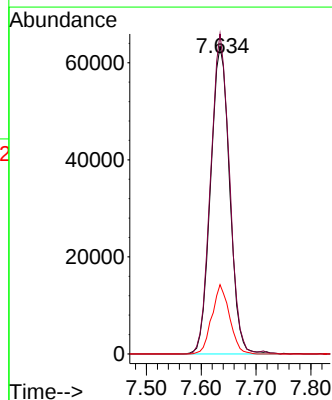
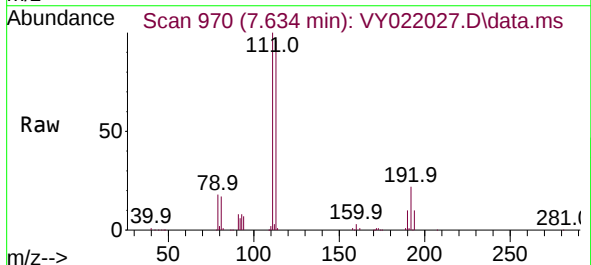
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

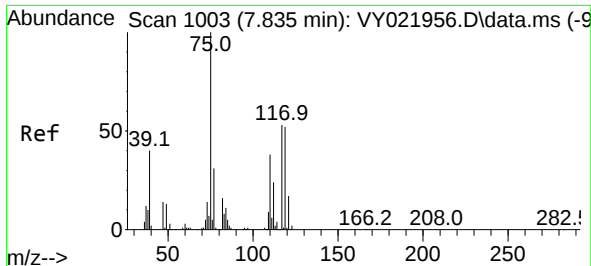
Tgt Ion:114 Resp: 449487
Ion Ratio Lower Upper
114 100
63 17.8 0.0 35.4
88 14.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.414 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion:113 Resp: 152677
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 20.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD

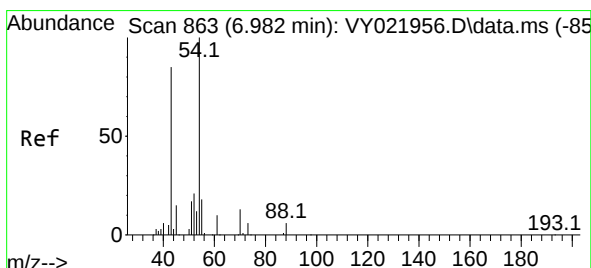
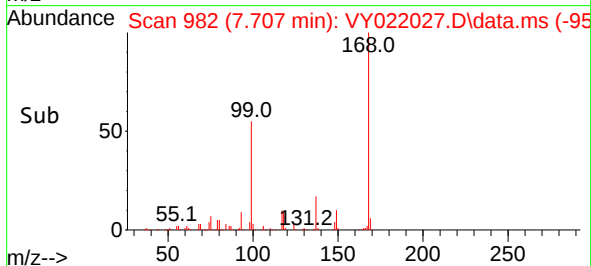
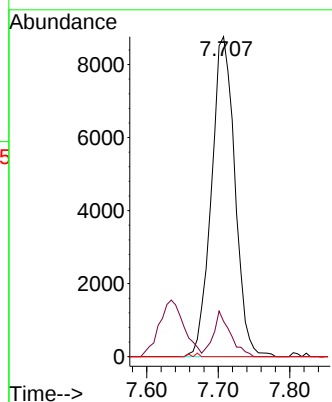
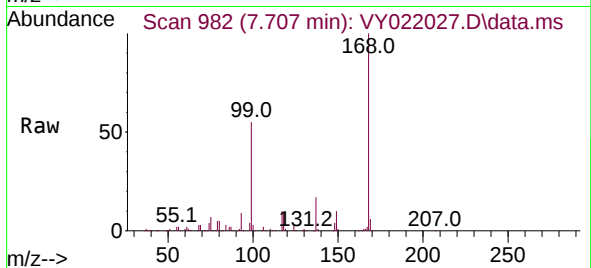
Tgt Ion: 75 Resp: 19964

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.0 25.5 38.3#



#37

Ethyl Acetate

Concen: 33.004 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

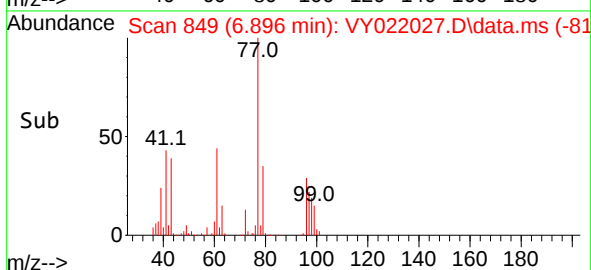
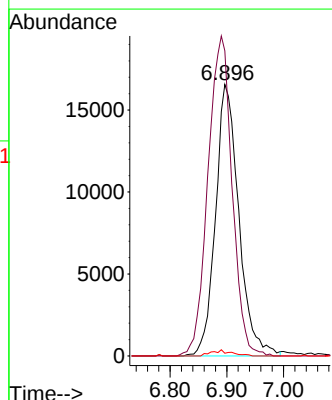
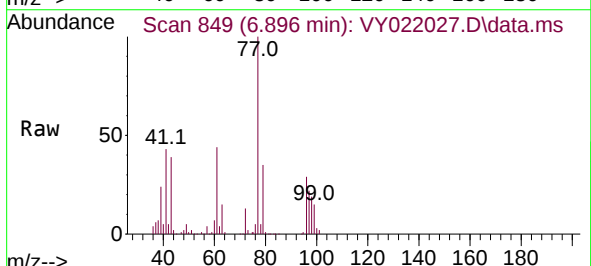
Tgt Ion: 43 Resp: 47282

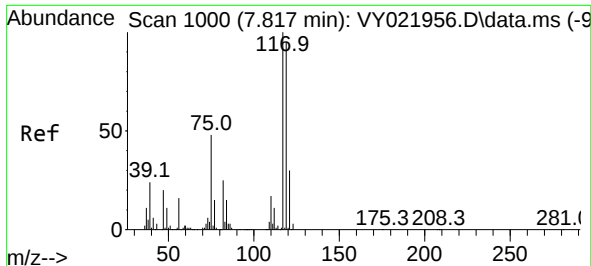
Ion Ratio Lower Upper

43 100

61 122.1 13.8 20.6#

70 1.9 9.2 13.8#

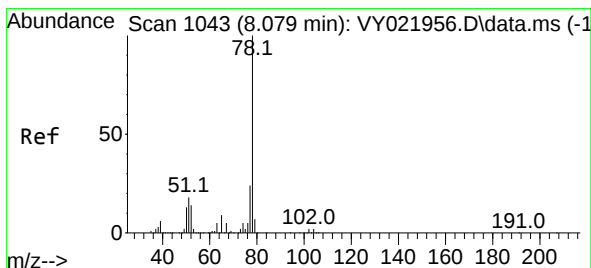
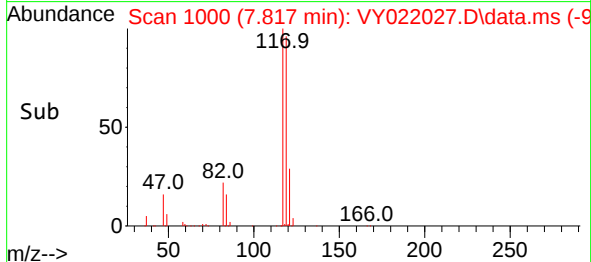
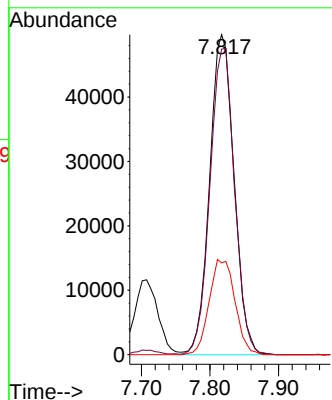
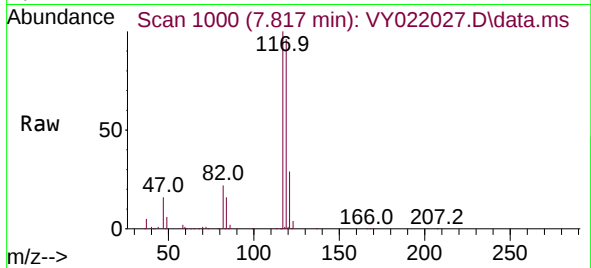




#38
Carbon Tetrachloride
Concen: 25.826 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

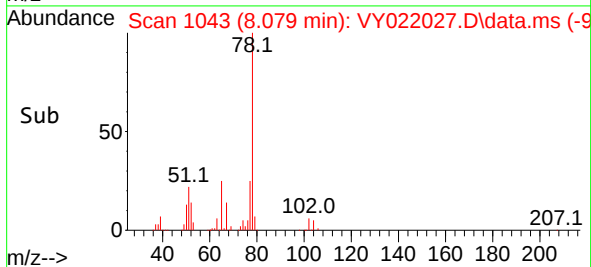
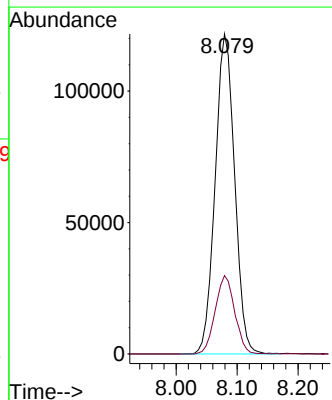
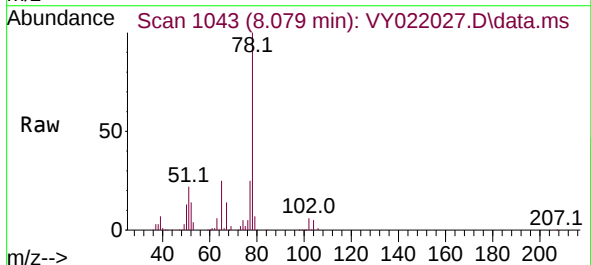
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

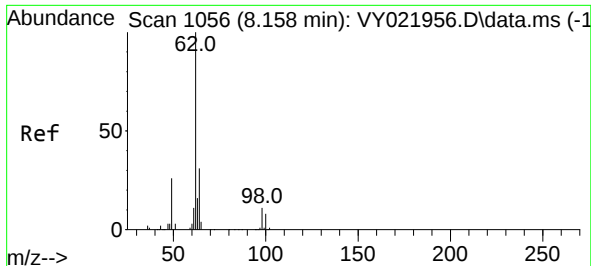
Tgt Ion:117 Resp: 123099
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4
121 28.7 24.0 36.0



#40
Benzene
Concen: 21.639 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 78 Resp: 269814
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9





#42

1,2-Dichloroethane

Concen: 12.005 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

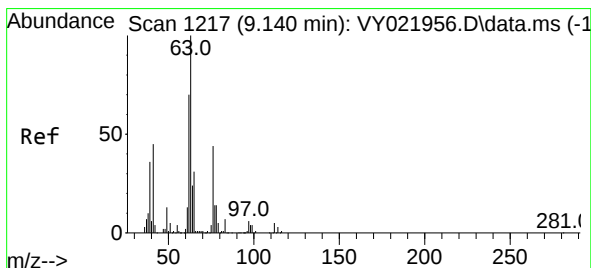
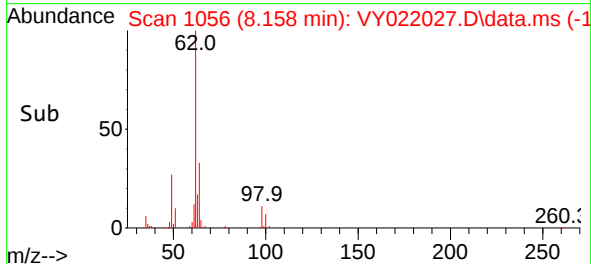
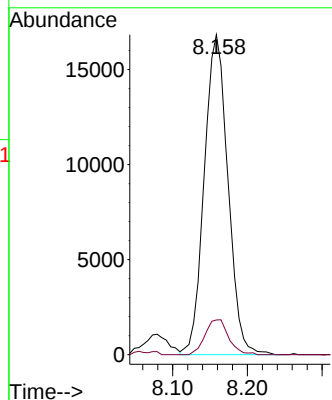
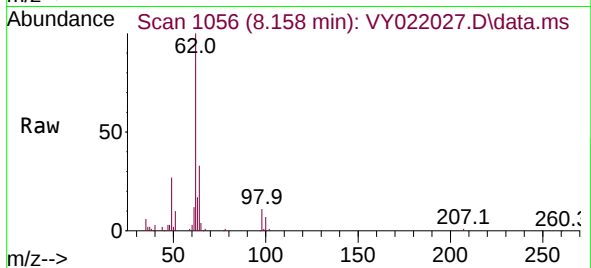
HW0425-PT-VOA-SOILD

Tgt Ion: 62 Resp: 37062

Ion Ratio Lower Upper

62 100

98 10.9 0.0 22.0



#45

1,2-Dichloropropane

Concen: 13.270 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022027.D

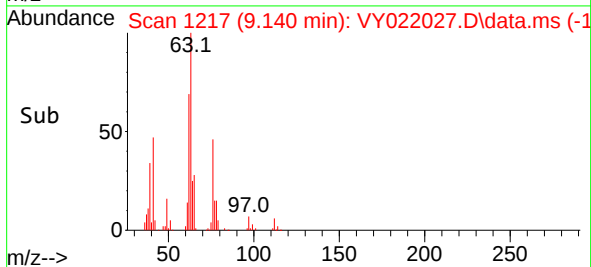
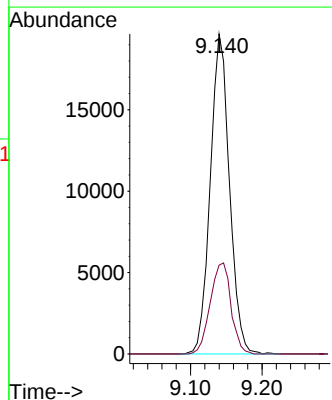
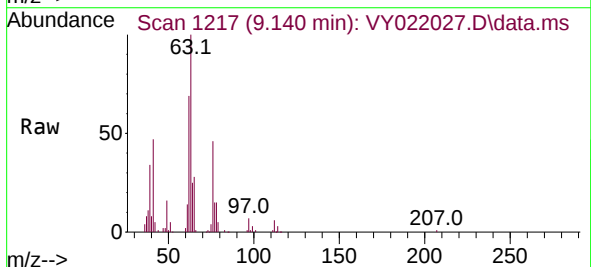
Acq: 28 Apr 2025 13:31

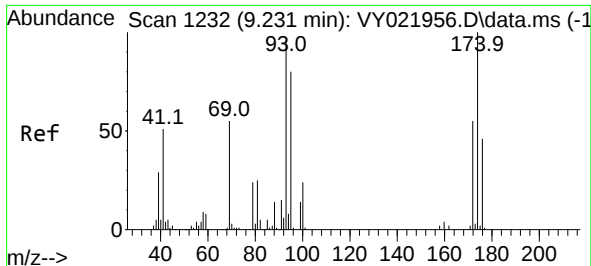
Tgt Ion: 63 Resp: 36591

Ion Ratio Lower Upper

63 100

65 27.7 25.2 37.8

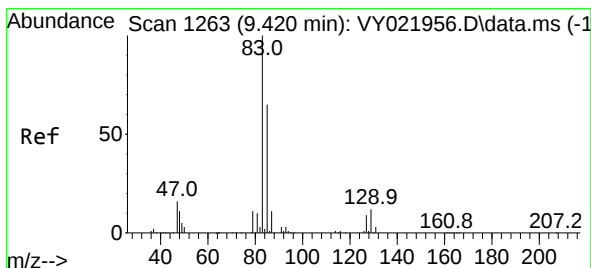
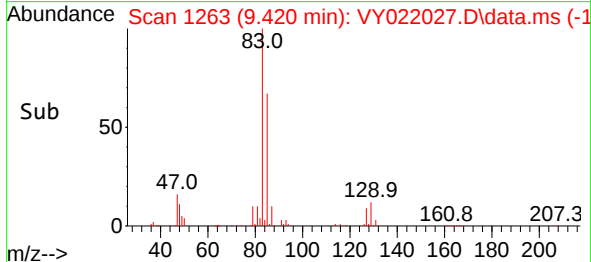
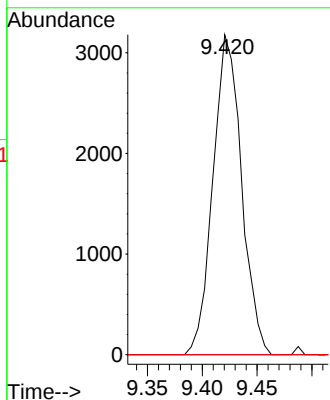
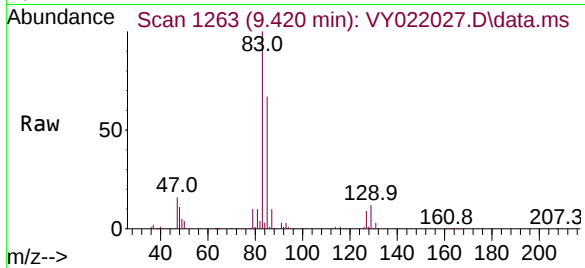




#46
Dibromomethane
Concen: 3.340 ug/l
RT: 9.420 min Scan# 1232
Delta R.T. 0.189 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

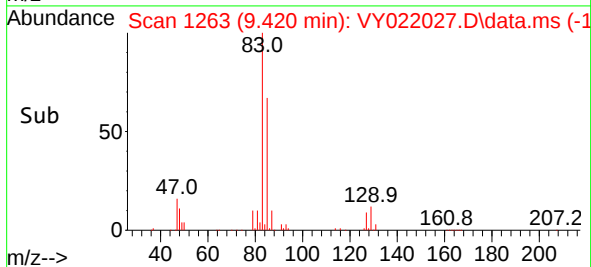
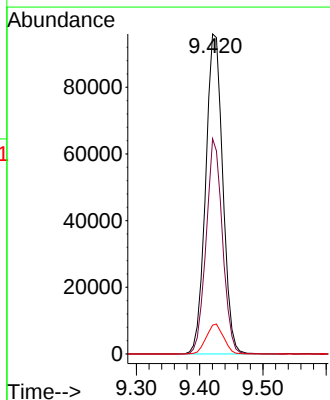
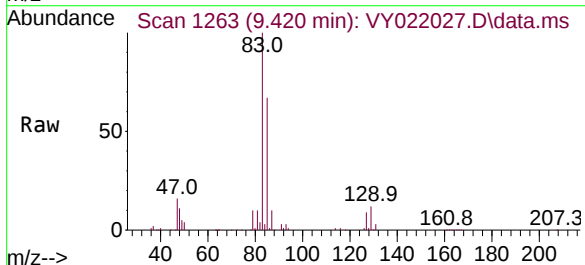
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

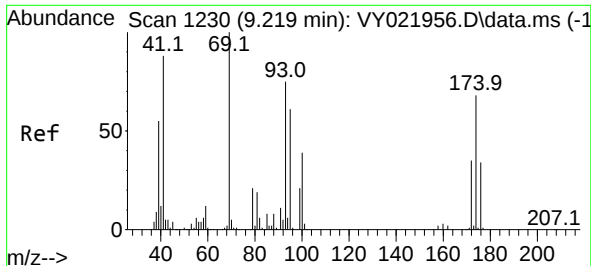
Tgt Ion: 93 Resp: 5766
Ion Ratio Lower Upper
93 100
95 0.0 66.7 100.1#
174 0.0 84.6 127.0#



#47
Bromodichloromethane
Concen: 41.878 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 83 Resp: 180589
Ion Ratio Lower Upper
83 100
85 67.2 51.8 77.8
127 9.0 7.0 10.6





#48

Methyl methacrylate

Concen: 14.568 ug/l

RT: 9.140 min Scan# 1

Delta R.T. -0.079 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

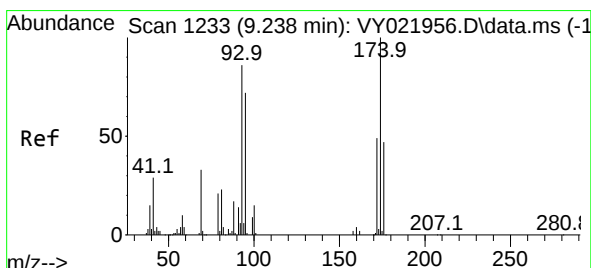
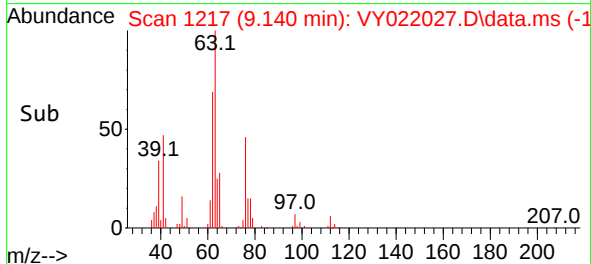
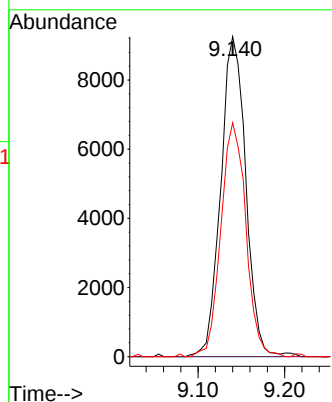
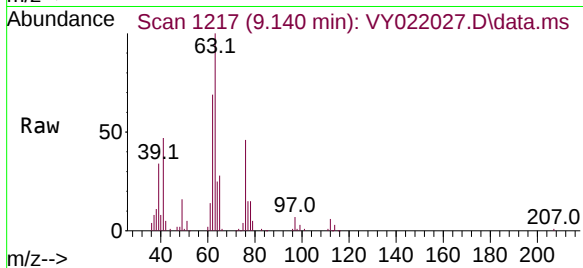
Tgt Ion: 41 Resp: 18528

Ion Ratio Lower Upper

41 100

69 0.0 85.5 128.3#

39 73.1 46.2 69.4#



#49

1,4-Dioxane

Concen: 10.436 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.183 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

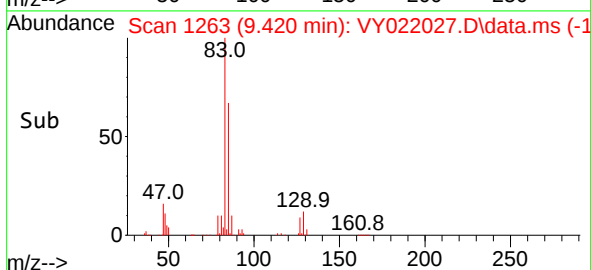
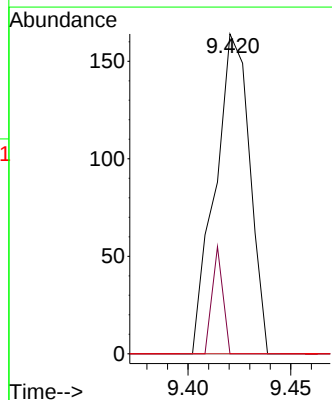
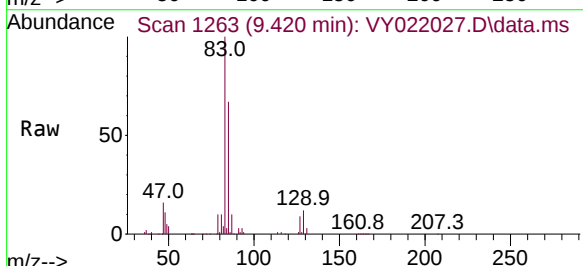
Tgt Ion: 88 Resp: 192

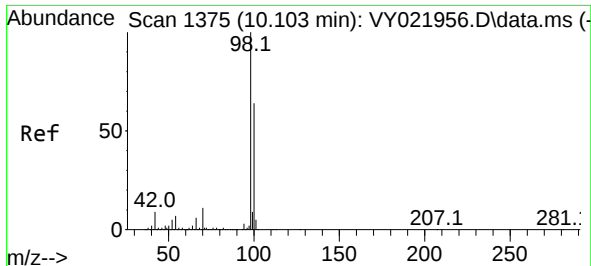
Ion Ratio Lower Upper

88 100

43 10.4 21.3 31.9#

58 0.0 50.5 75.7#

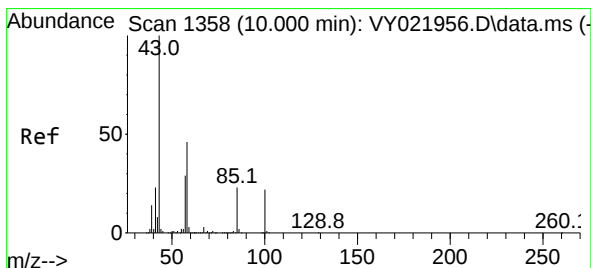
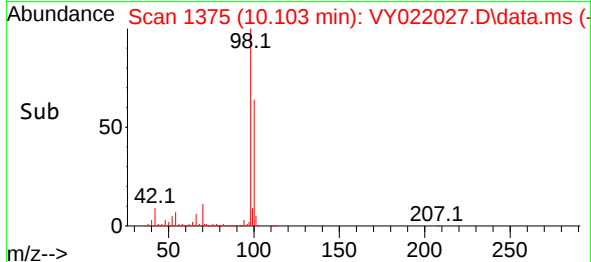
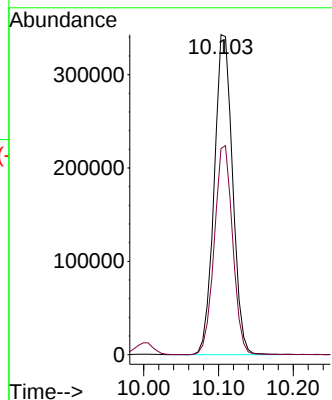
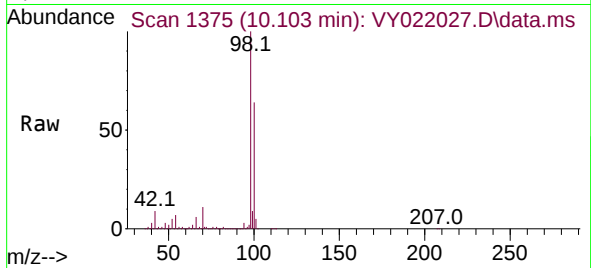




#50
Toluene-d8
Concen: 52.538 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

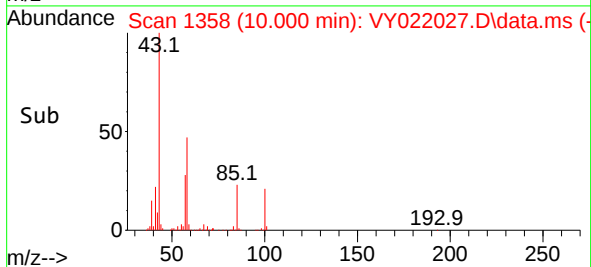
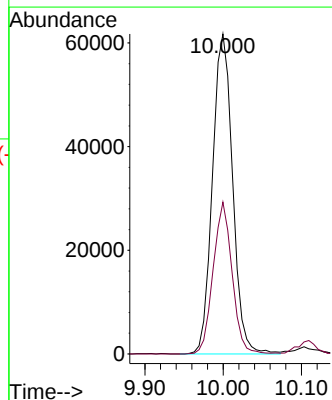
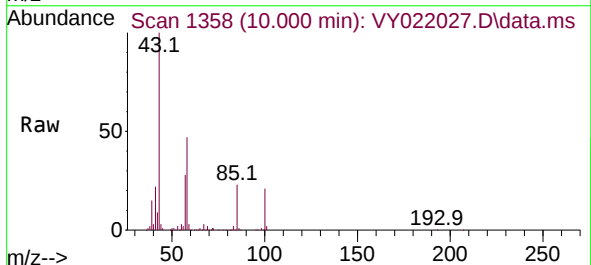
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

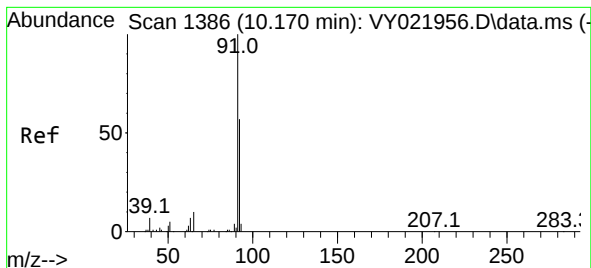
Tgt Ion: 98 Resp: 588177
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 76.529 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 43 Resp: 110372
Ion Ratio Lower Upper
43 100
58 44.6 36.6 55.0





#52

Toluene

Concen: 43.676 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

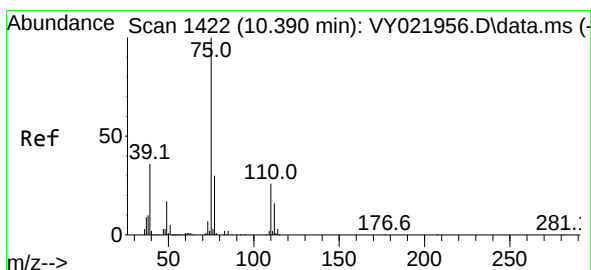
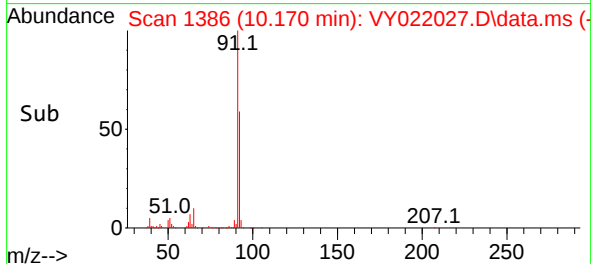
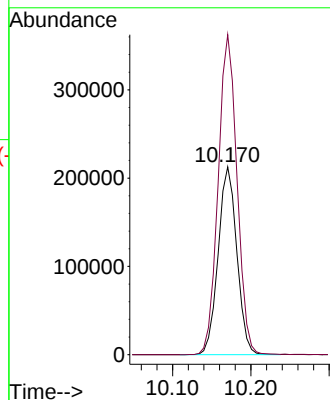
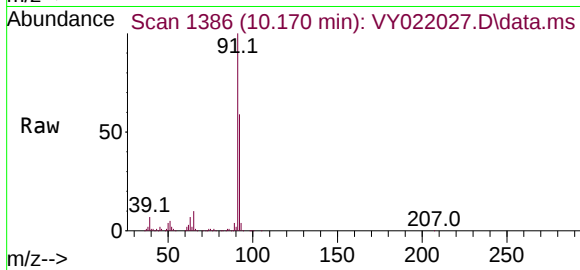
HW0425-PT-VOA-SOILD

Tgt Ion: 92 Resp: 352523

Ion Ratio Lower Upper

92 100

91 172.3 138.6 207.8



#53

t-1,3-Dichloropropene

Concen: 26.102 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. 0.006 min

Lab File: VY022027.D

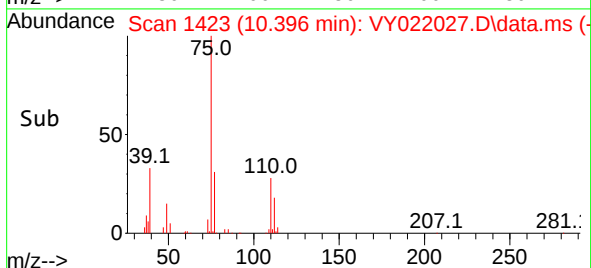
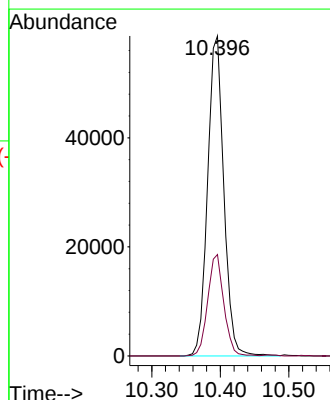
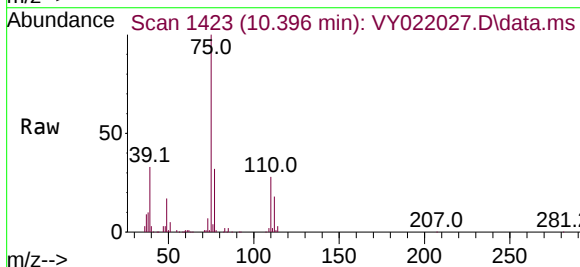
Acq: 28 Apr 2025 13:31

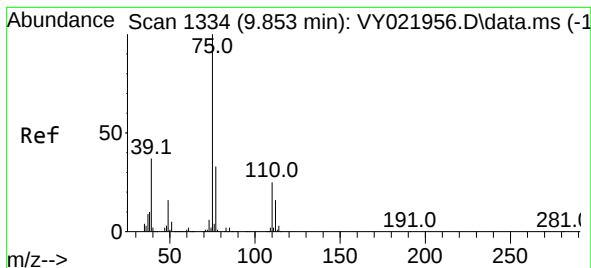
Tgt Ion: 75 Resp: 96545

Ion Ratio Lower Upper

75 100

77 31.7 24.0 36.0

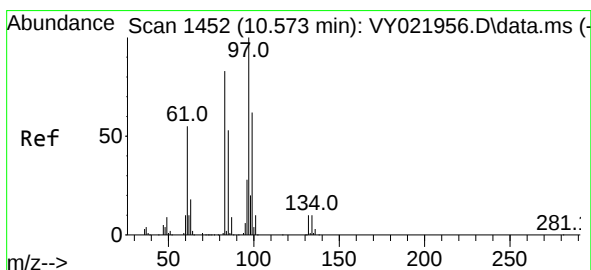
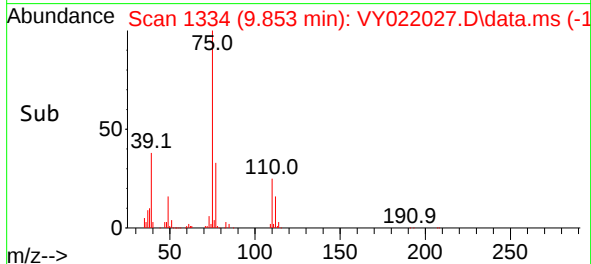
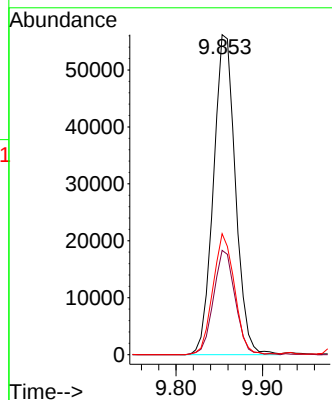
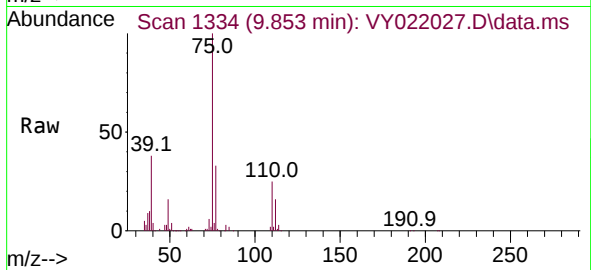




#54
 cis-1,3-Dichloropropene
 Concen: 22.535 ug/l
 RT: 9.853 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

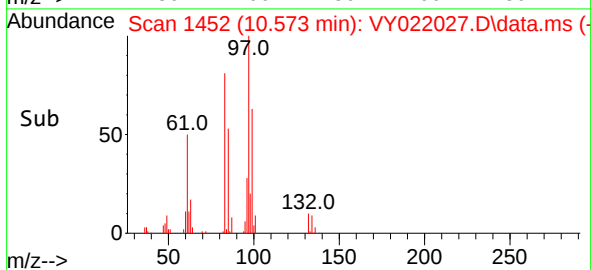
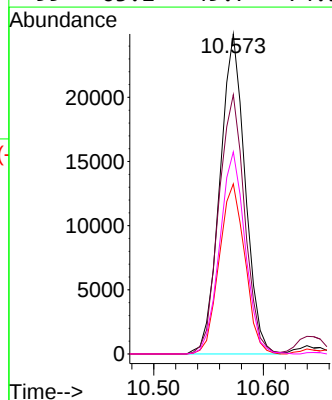
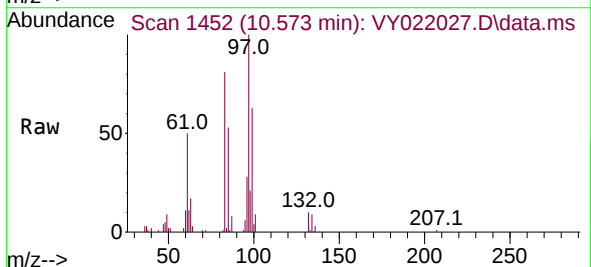
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOILD

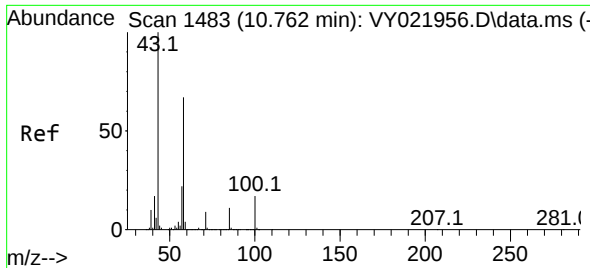
Tgt Ion: 75	Resp: 99082
Ion Ratio	Lower Upper
75 100	
77 32.6	26.6 40.0
39 37.8	29.6 44.4



#55
 1,1,2-Trichloroethane
 Concen: 17.301 ug/l
 RT: 10.573 min Scan# 1452
 Delta R.T. 0.000 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

Tgt Ion: 97	Resp: 39891
Ion Ratio	Lower Upper
97 100	
83 81.0	66.7 100.1
85 53.2	42.6 64.0
99 63.2	49.7 74.5

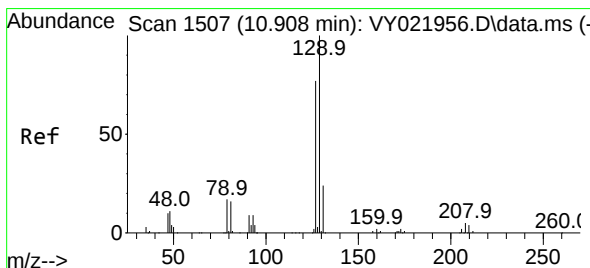
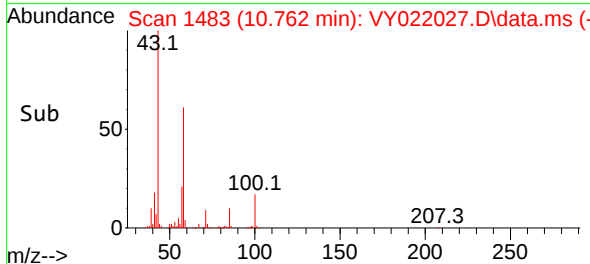
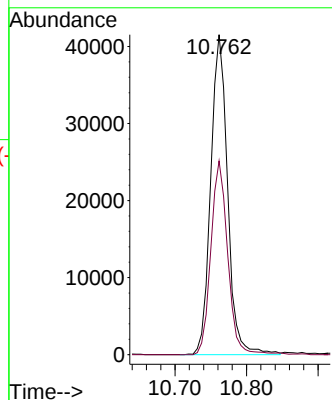
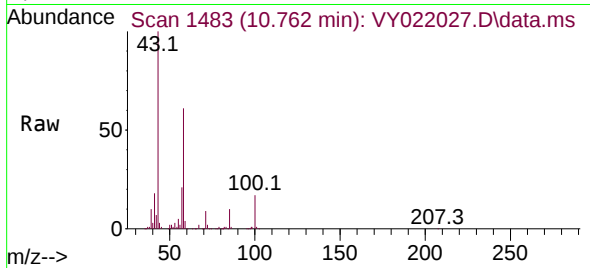




#59
2-Hexanone
Concen: 71.516 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

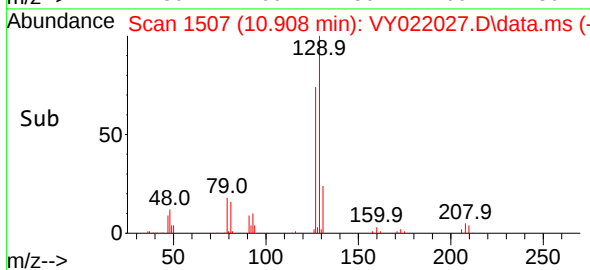
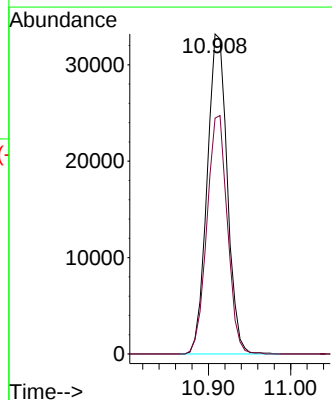
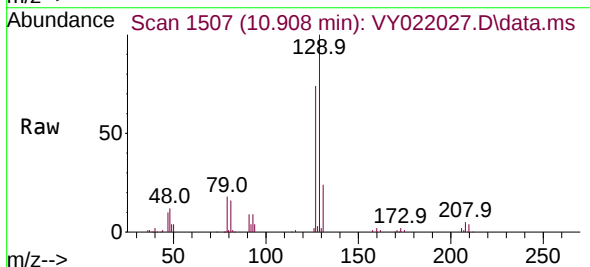
Instrument : MSVOA_Y
ClientSampleId : HW0425-PT-VOA-SOILD

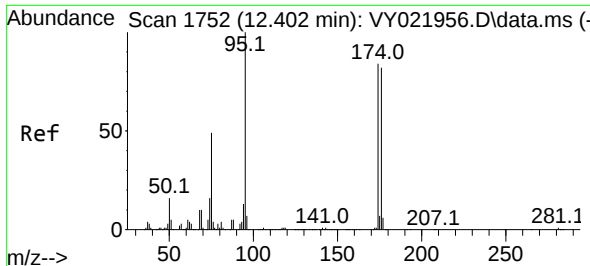
Tgt Ion: 43 Resp: 68031
Ion Ratio Lower Upper
43 100
58 60.5 32.0 96.0



#60
Dibromochloromethane
Concen: 17.672 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 129 Resp: 56415
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.3

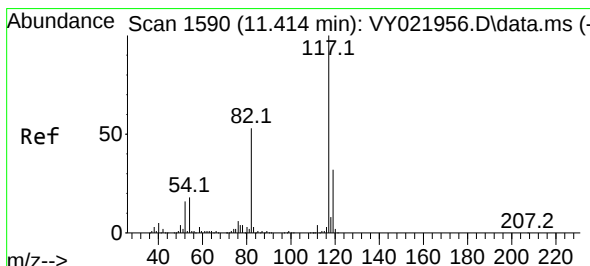
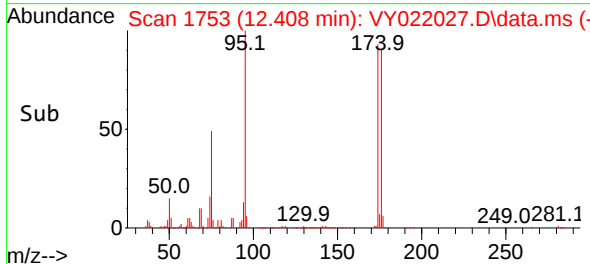
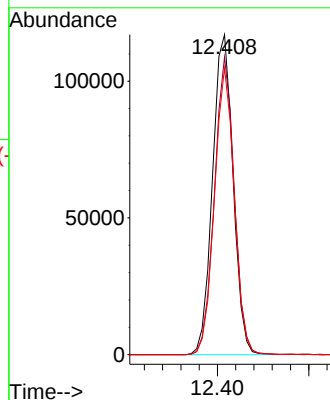
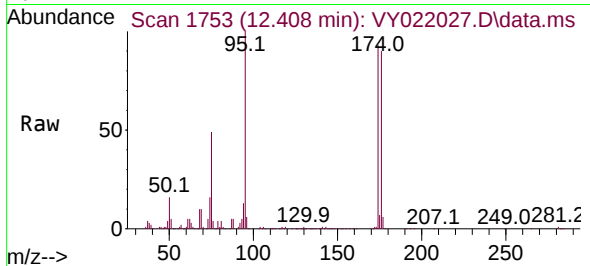




#62
4-Bromofluorobenzene
Concen: 48.385 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

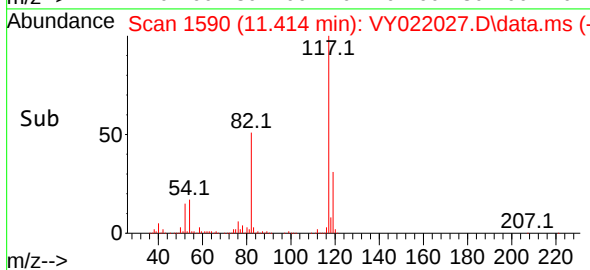
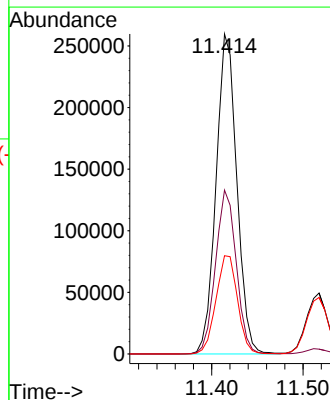
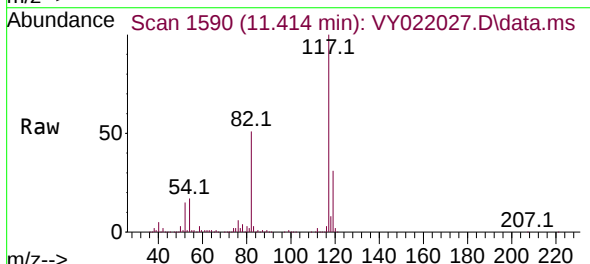
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

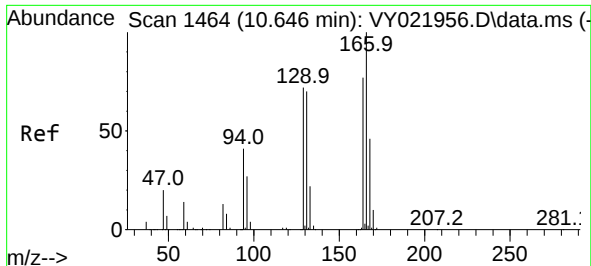
Tgt Ion: 95 Resp: 182351
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.0
176 86.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 117 Resp: 409769
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 30.7 25.7 38.5

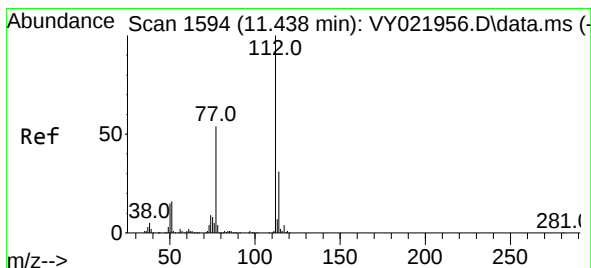
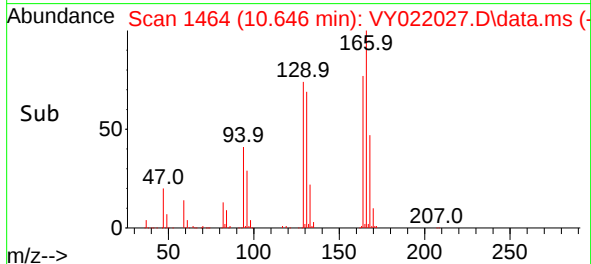
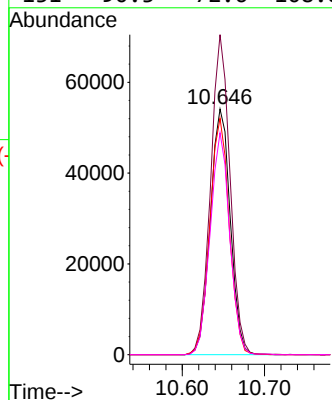
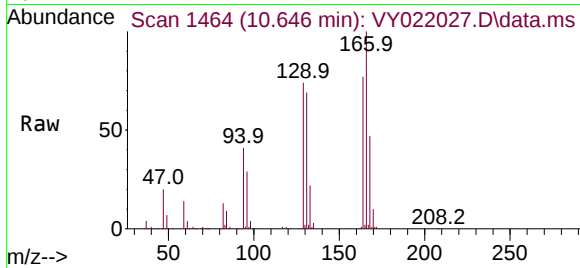




#64
Tetrachloroethene
Concen: 23.688 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

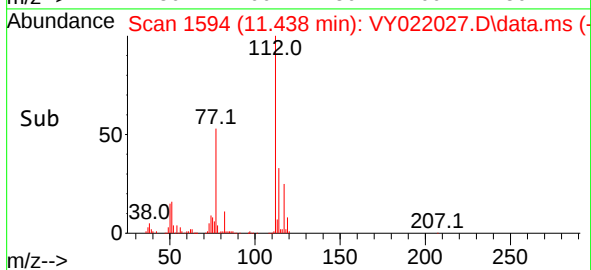
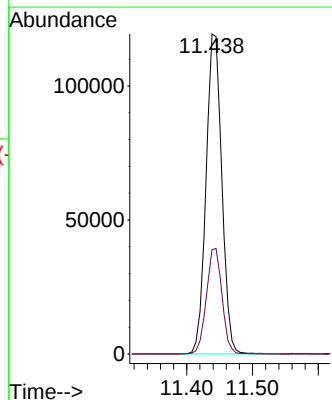
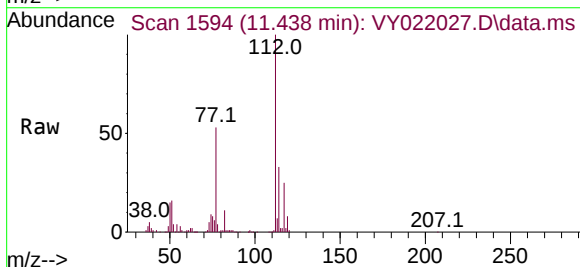
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

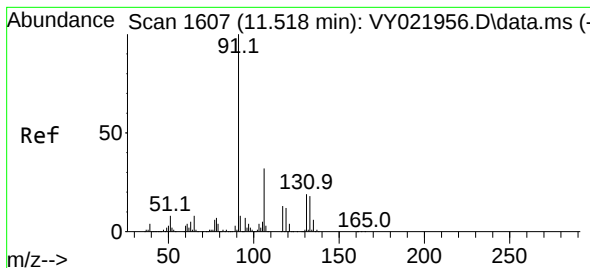
Tgt Ion:164	Resp:	91567
Ion Ratio	Lower	Upper
164	100	
166	130.3	103.6 155.4
129	96.2	74.2 111.4
131	90.3	72.6 108.8



#65
Chlorobenzene
Concen: 21.720 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion:112	Resp:	199027
Ion Ratio	Lower	Upper
112	100	
114	32.6	25.0 37.4

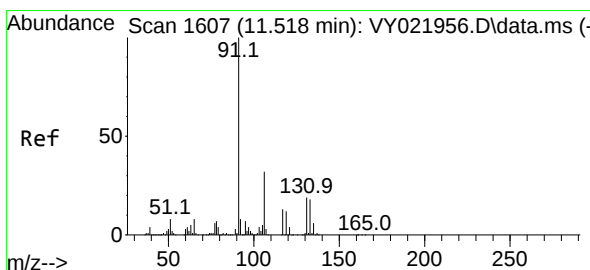
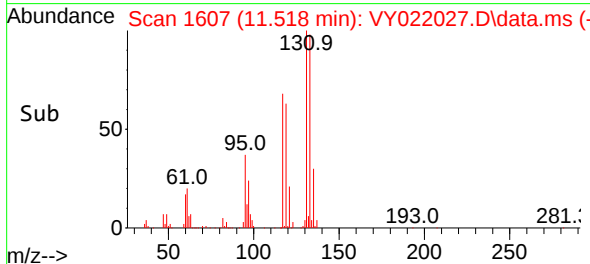
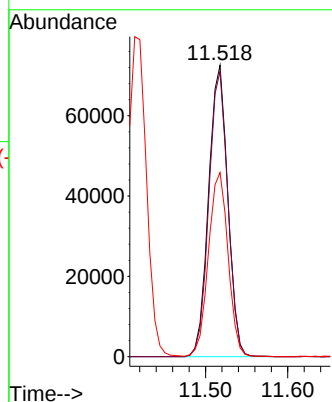
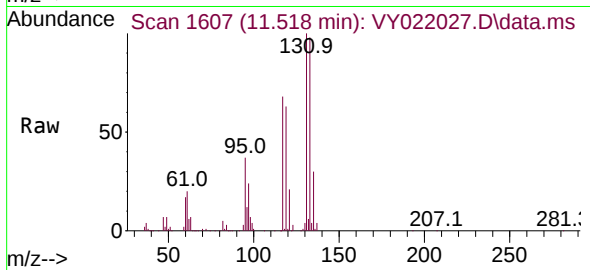




#66
 1,1,1,2-Tetrachloroethane
 Concen: 36.398 ug/l
 RT: 11.518 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

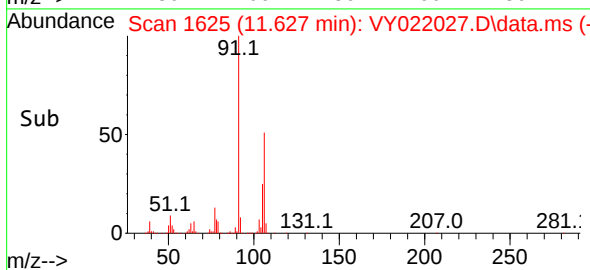
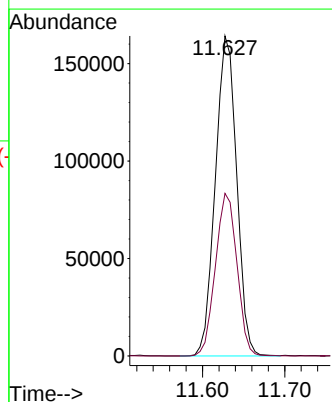
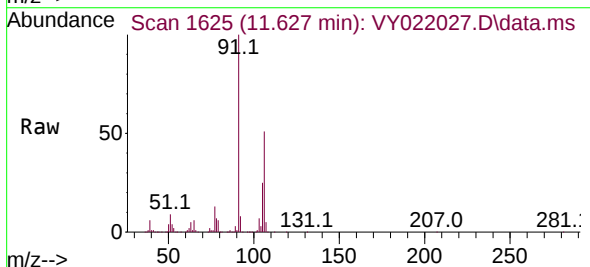
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOILD

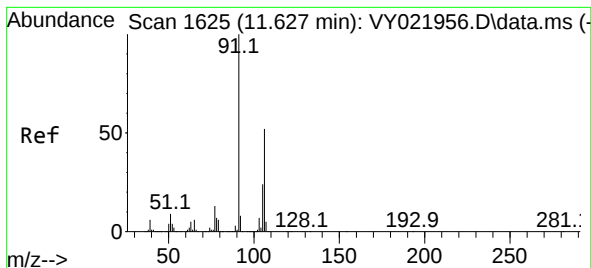
Tgt Ion:131 Resp: 117423
 Ion Ratio Lower Upper
 131 100
 133 96.9 47.8 143.3
 119 64.9 32.4 97.0



#67
 Ethyl Benzene
 Concen: 19.715 ug/l
 RT: 11.627 min Scan# 1625
 Delta R.T. 0.110 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

Tgt Ion: 91 Resp: 295531
 Ion Ratio Lower Upper
 91 100
 106 50.8 25.9 38.9#





#68

m/p-Xylenes

Concen: 25.420 ug/l

RT: 11.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

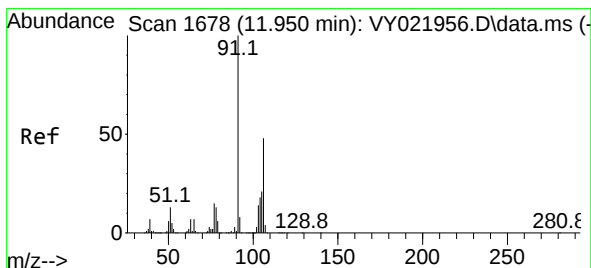
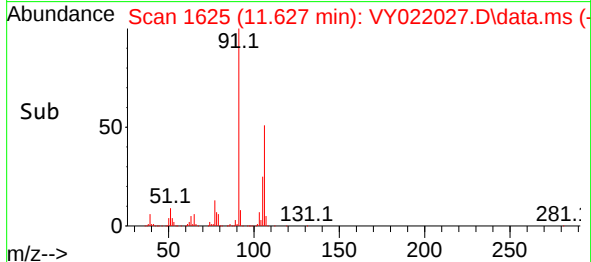
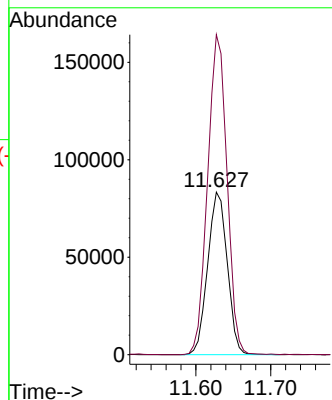
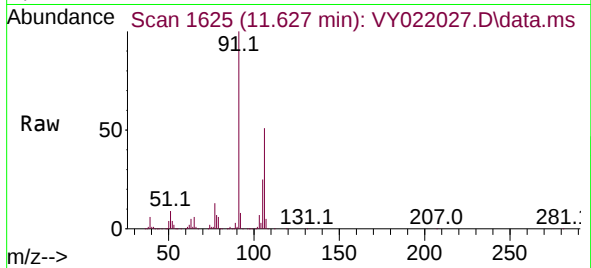
HW0425-PT-VOA-SOILD

Tgt Ion:106 Resp: 151628

Ion Ratio Lower Upper

106 100

91 194.9 156.2 234.2



#69

o-Xylene

Concen: 27.737 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY022027.D

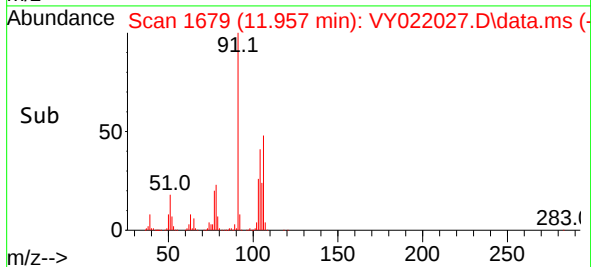
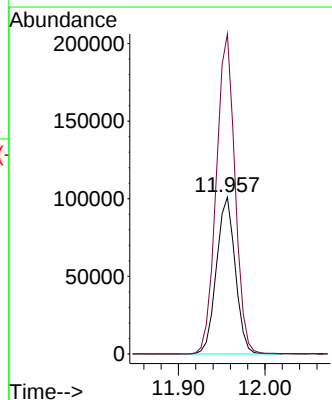
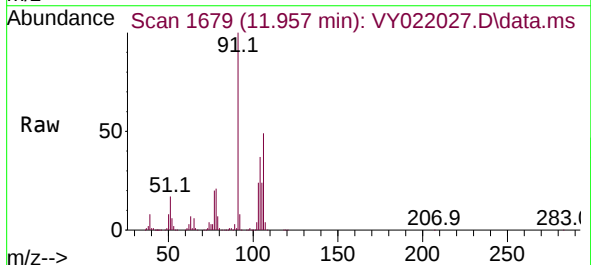
Acq: 28 Apr 2025 13:31

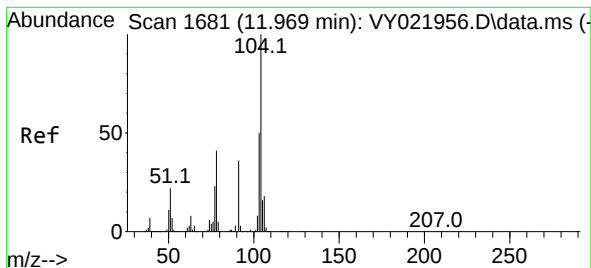
Tgt Ion:106 Resp: 152488

Ion Ratio Lower Upper

106 100

91 203.5 103.0 308.9





#70

Styrene

Concen: 28.694 ug/l

RT: 11.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

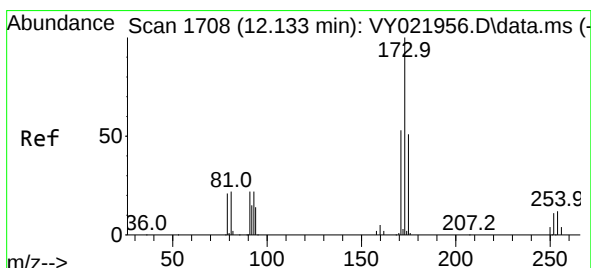
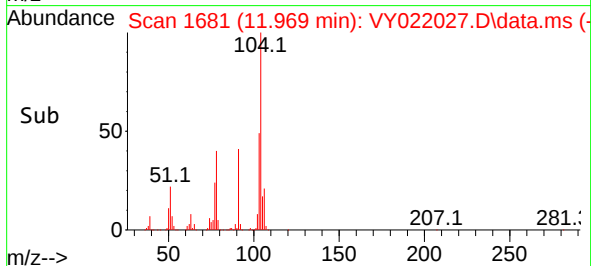
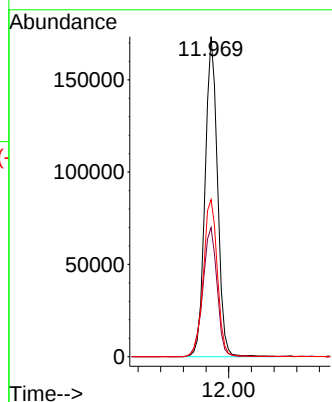
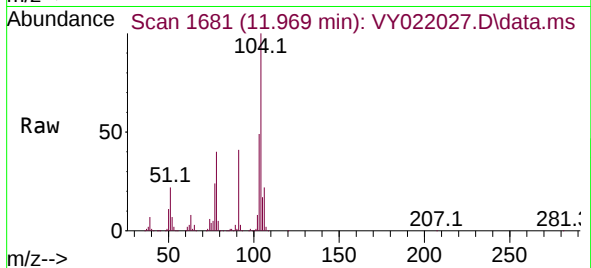
Tgt Ion:104 Resp: 264873

Ion Ratio Lower Upper

104 100

78 45.8 36.6 54.8

103 54.6 43.8 65.8



#71

Bromoform

Concen: 23.066 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

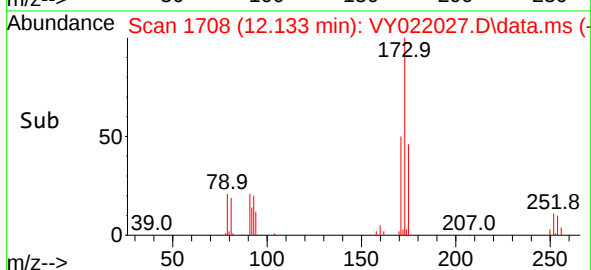
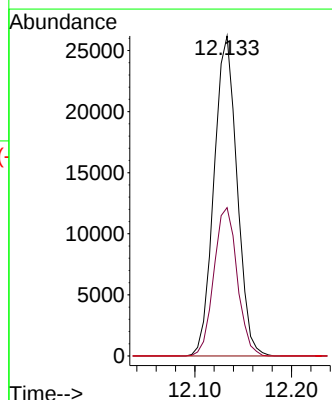
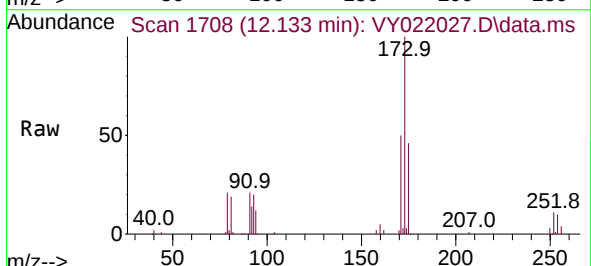
Tgt Ion:173 Resp: 43262

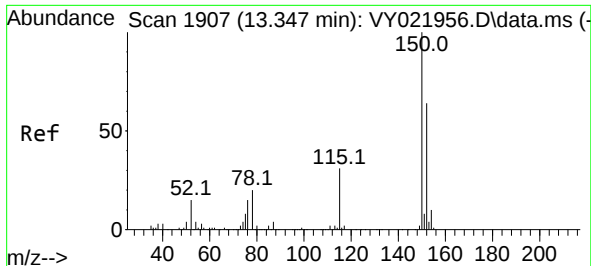
Ion Ratio Lower Upper

173 100

175 47.0 24.3 72.8

254 0.0 0.0 0.0

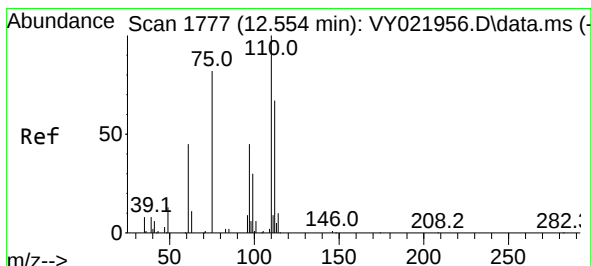
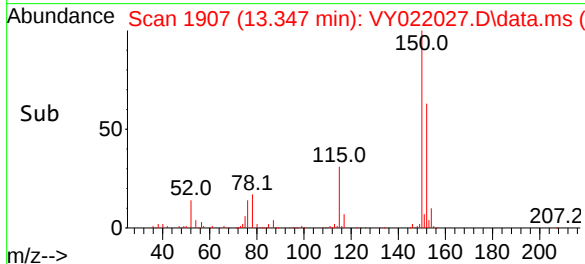
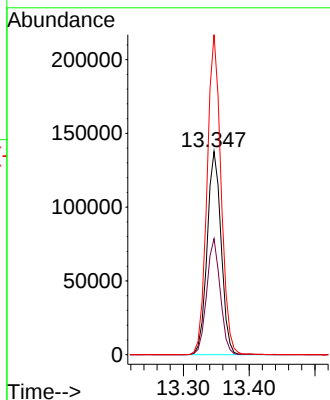
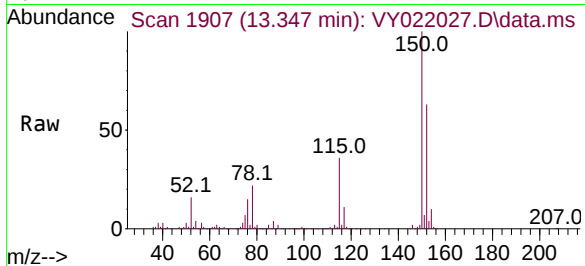




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

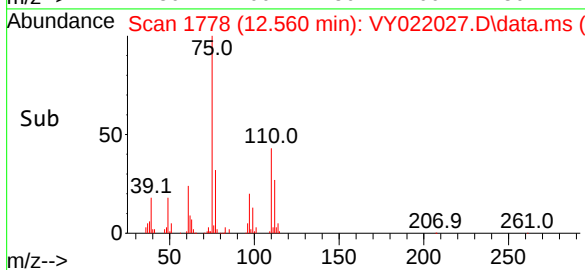
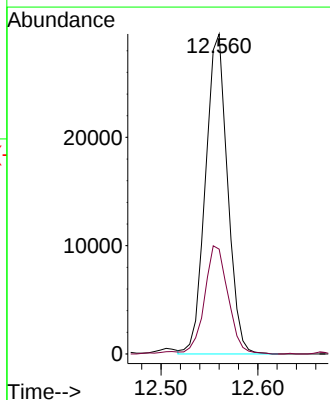
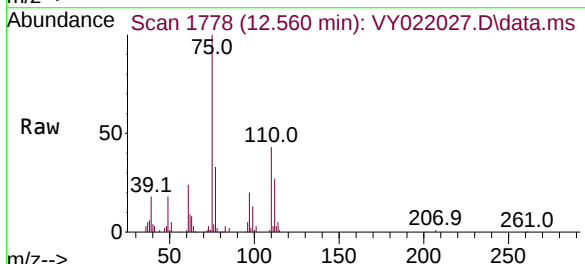
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOILD

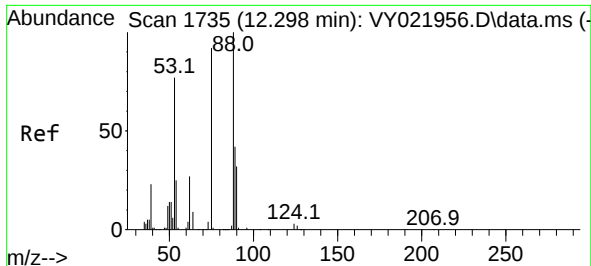
Tgt Ion:152 Resp: 203192
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.0 84.0
 150 157.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 26.947 ug/l
 RT: 12.560 min Scan# 1778
 Delta R.T. 0.006 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

Tgt Ion: 75 Resp: 46899
 Ion Ratio Lower Upper
 75 100
 77 36.7 0.0 0.0#

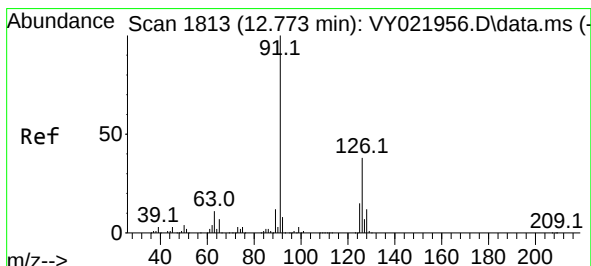
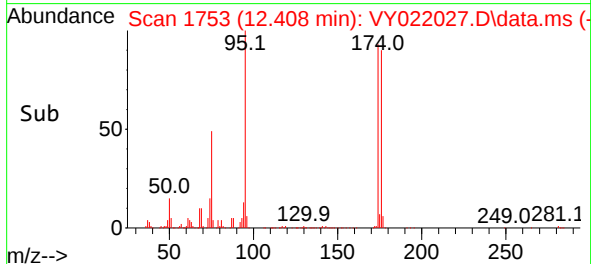
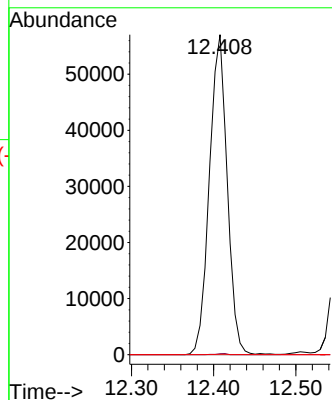
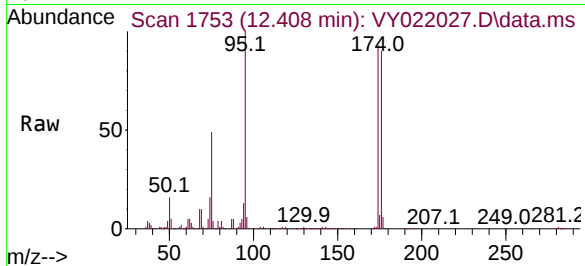




#81
trans-1,4-Dichloro-2-butene
Concen: 118.837 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

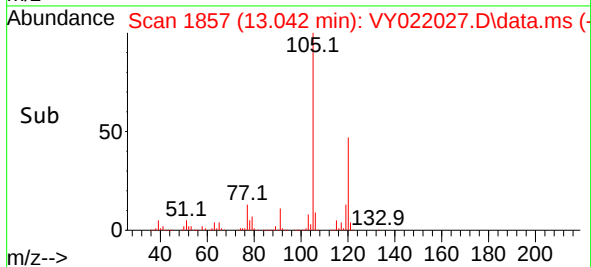
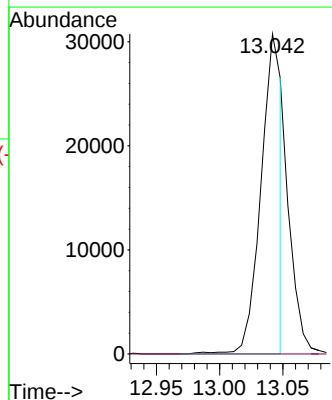
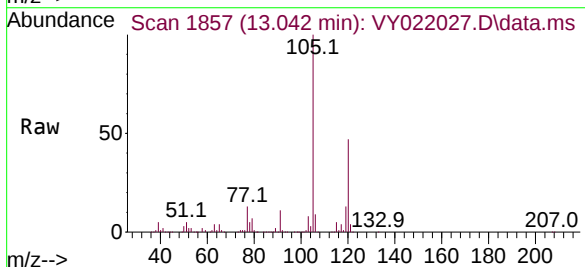
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILD

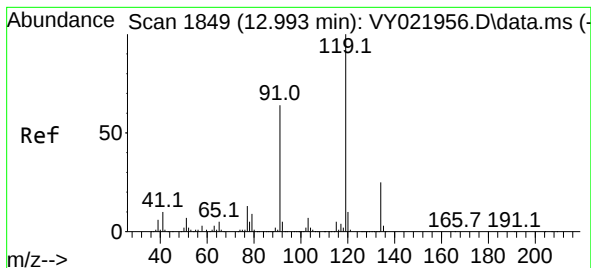
Tgt Ion: 75 Resp: 85887
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 3.564 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.268 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion: 91 Resp: 34829
Ion Ratio Lower Upper
91 100
126 0.0 17.9 53.8#





#83

tert-Butylbenzene

Concen: 5.375 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.049 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILDL

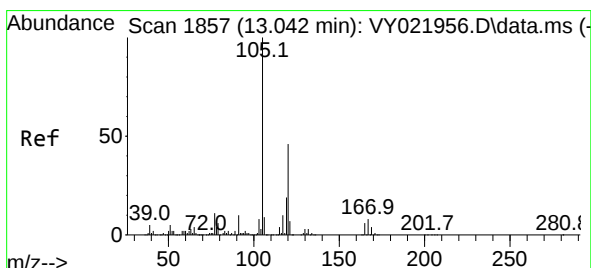
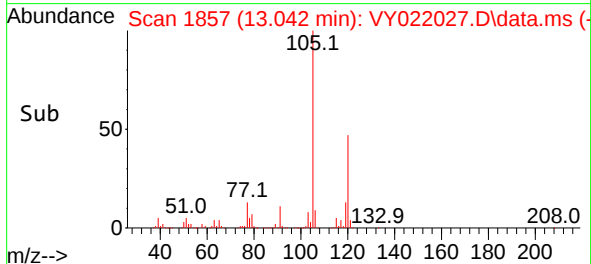
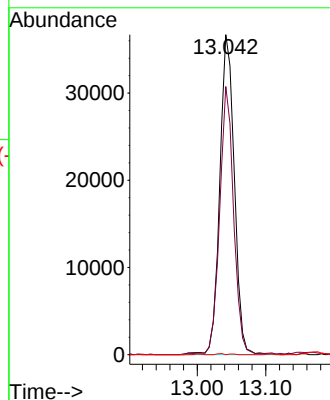
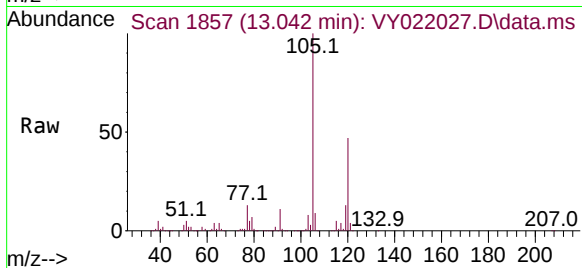
Tgt Ion:119 Resp: 53919

Ion Ratio Lower Upper

119 100

91 80.8 30.3 90.9

134 0.3 12.9 38.7#



#84

1,2,4-Trimethylbenzene

Concen: 35.270 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022027.D

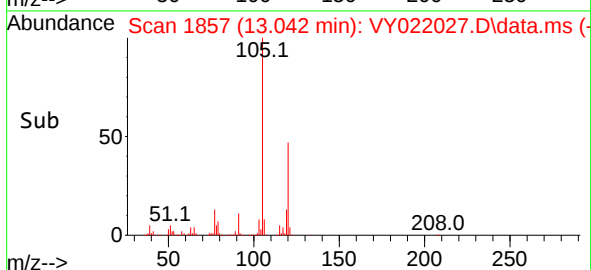
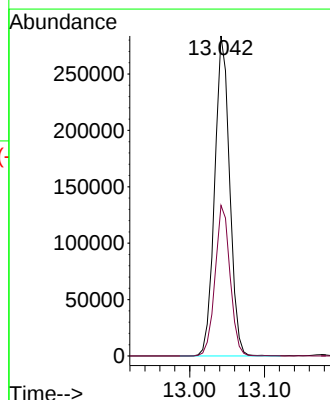
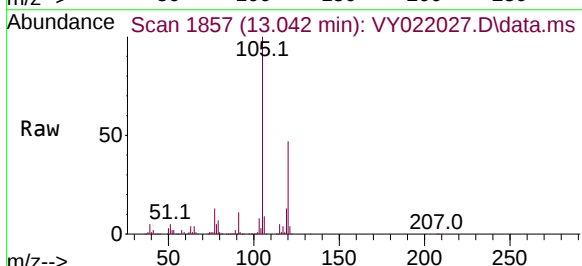
Acq: 28 Apr 2025 13:31

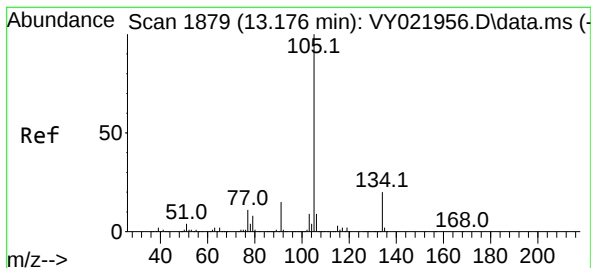
Tgt Ion:105 Resp: 394599

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#85

sec-Butylbenzene

Concen: 26.881 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.134 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

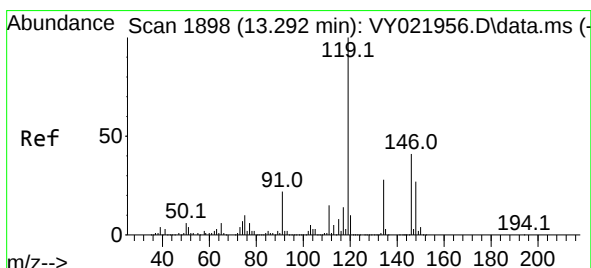
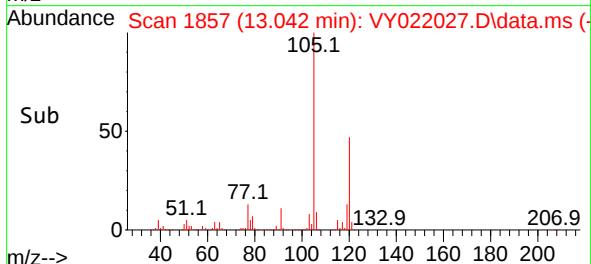
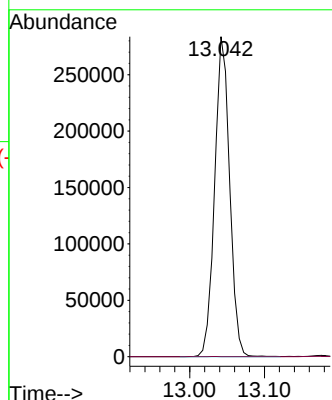
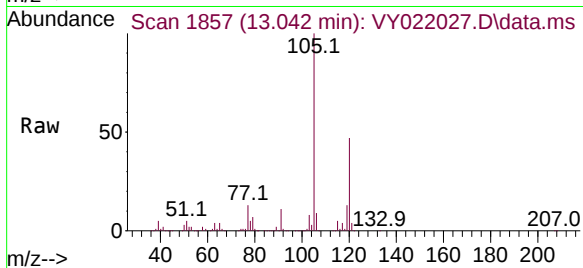
HW0425-PT-VOA-SOILD

Tgt Ion:105 Resp: 394599

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



#86

p-Isopropyltoluene

Concen: 4.294 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.250 min

Lab File: VY022027.D

Acq: 28 Apr 2025 13:31

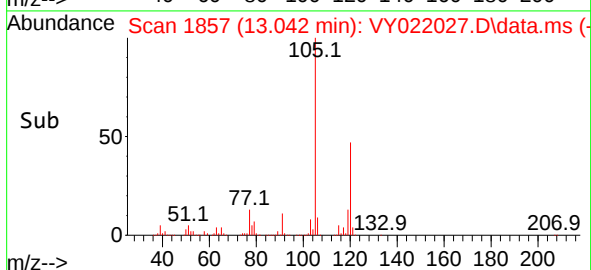
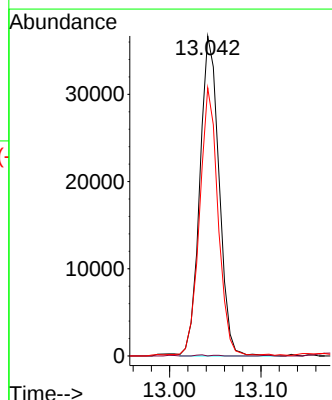
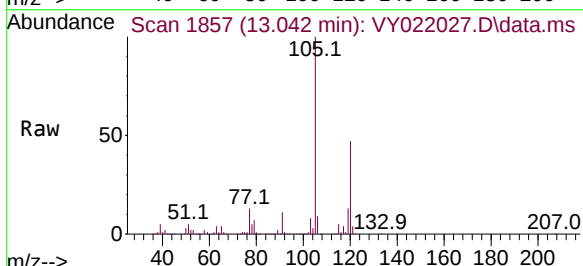
Tgt Ion:119 Resp: 53530

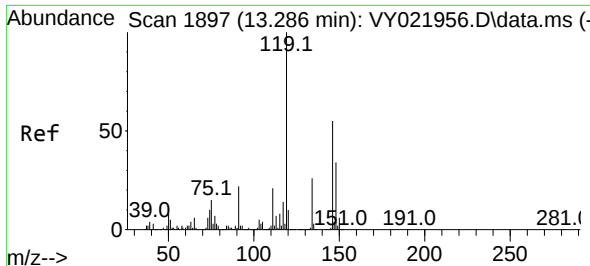
Ion Ratio Lower Upper

119 100

134 0.3 13.6 40.7#

91 79.5 11.0 33.0#

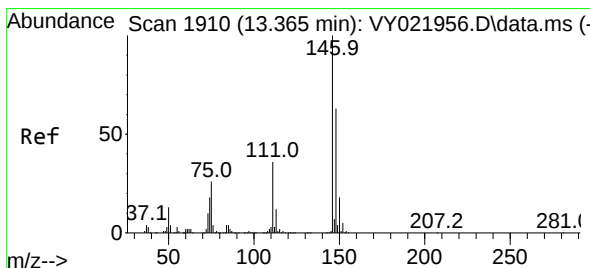
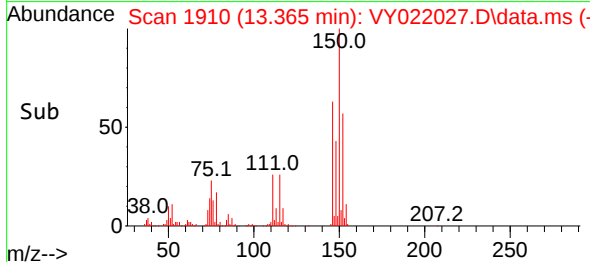
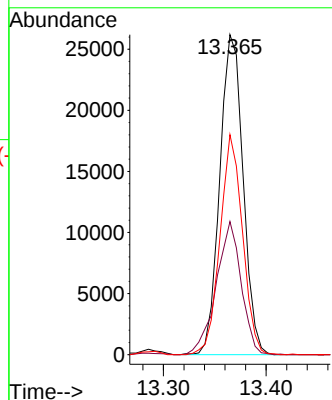
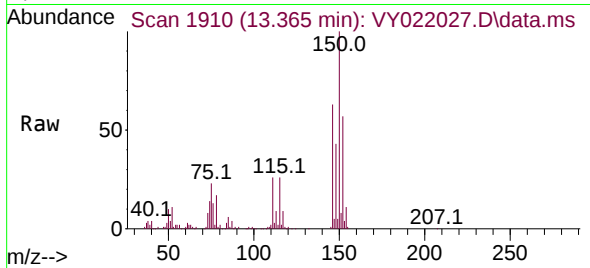




#87
 1,3-Dichlorobenzene
 Concen: 5.912 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.079 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

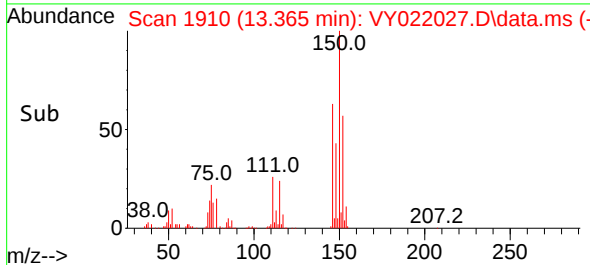
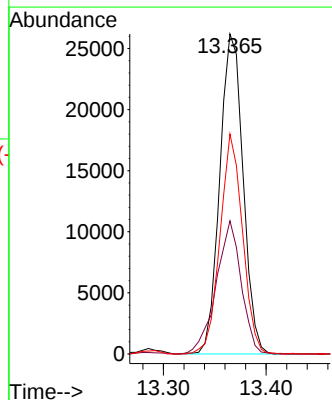
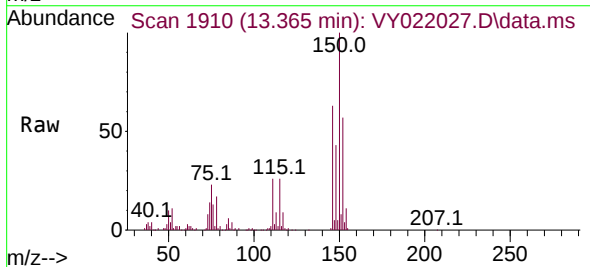
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW0425-PT-VOA-SOILD

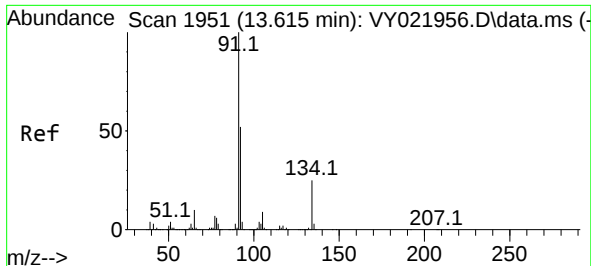
Tgt Ion:146 Resp: 41186
 Ion Ratio Lower Upper
 146 100
 111 44.6 19.1 57.5
 148 66.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.969 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.000 min
 Lab File: VY022027.D
 Acq: 28 Apr 2025 13:31

Tgt Ion:146 Resp: 41186
 Ion Ratio Lower Upper
 146 100
 111 44.6 19.2 57.6
 148 66.4 32.0 96.0

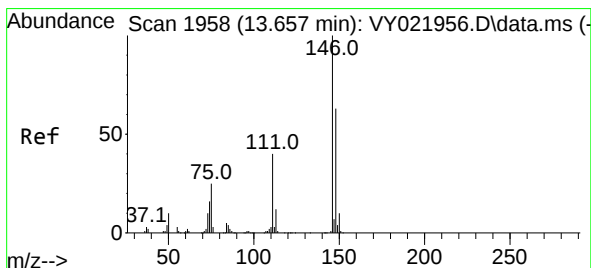
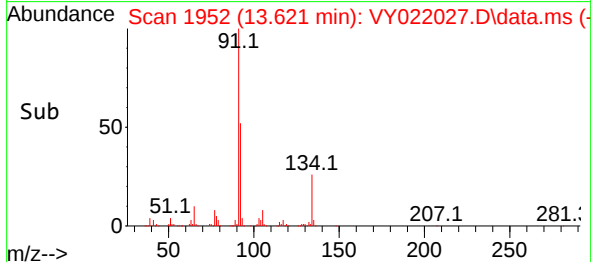
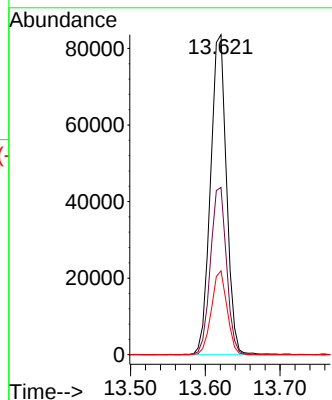
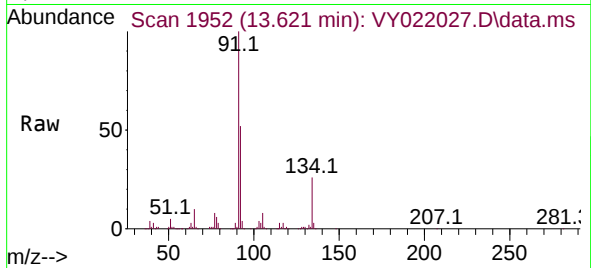




#89
n-Butylbenzene
Concen: 11.162 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

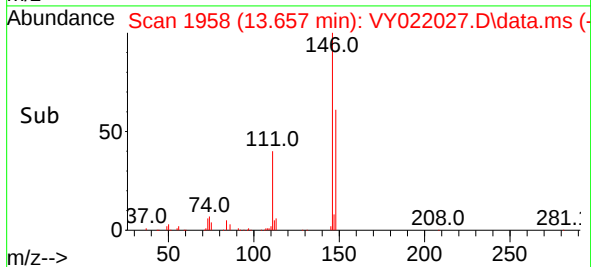
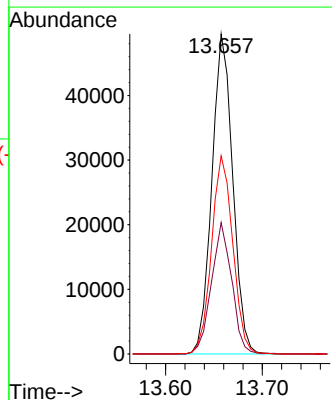
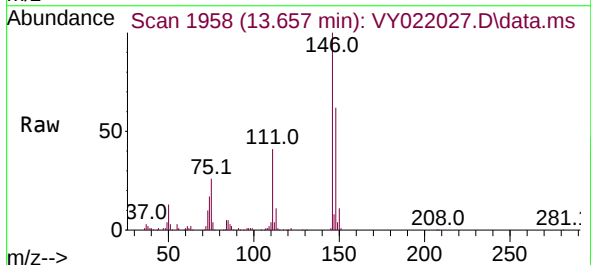
Instrument :
MSVOA_Y
ClientSampleId :
HW0425-PT-VOA-SOILDL

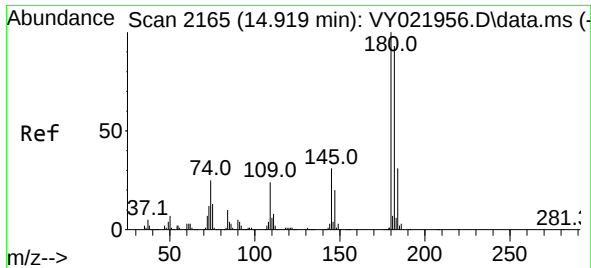
Tgt Ion: 91 Resp: 124358
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 25.6 13.4 40.1



#91
1,2-Dichlorobenzene
Concen: 12.204 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022027.D
Acq: 28 Apr 2025 13:31

Tgt Ion:146 Resp: 74160
Ion Ratio Lower Upper
146 100
111 39.9 19.7 59.1
148 63.2 32.1 96.3





#93

1,2,4-Trichlorobenzene

Concen: 10.966 ug/l

RT: 14.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY022027.D

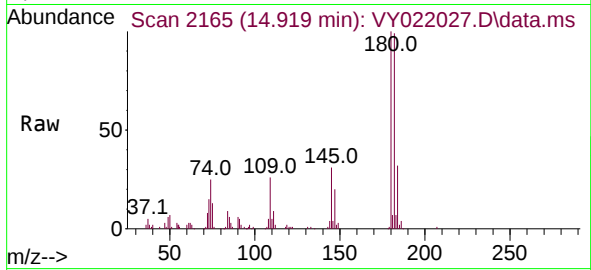
Acq: 28 Apr 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

HW0425-PT-VOA-SOILD



Tgt Ion:180 Resp: 37762

Ion Ratio Lower Upper

180 100

182 97.8 47.1 141.4

145 30.9 15.0 45.0

