

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023698.D
 Acq On : 06 Nov 2025 11:40
 Operator : SY/MD
 Sample : Q3483-23 4XDL
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOILDL

Quant Time: Nov 07 04:15:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	525542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	837737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	724701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	374577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	232911	51.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.920%	
35) Dibromofluoromethane	7.634	113	255382	48.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.560%	
50) Toluene-d8	10.109	98	955572	48.999	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.000%	
62) 4-Bromofluorobenzene	12.408	95	298565	47.341	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.680%	

Target Compounds					Qvalue	
11) Tert butyl alcohol	4.824	59	1556	5.383	ug/l #	74
12) 1,1-Dichloroethene	3.793	96	113739	24.223	ug/l	98
15) Acrylonitrile	5.116	53	3373	3.720	ug/l #	49
16) Acetone	3.867	43	91635	82.234	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	212586	19.525	ug/l	96
20) Methylene Chloride	4.622	84	14876	2.765	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	82185	15.523	ug/l	94
25) 2-Butanone	6.896	43	40694	31.586	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	84881	14.038	ug/l	92
28) Bromochloromethane	7.427	49	10644	3.277	ug/l #	2
30) Chloroform	7.421	83	151000	15.952	ug/l	95
31) Cyclohexane	7.707	56	9808	1.327	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	36939	5.280	ug/l #	48
37) Ethyl Acetate	6.896	43	40694	15.026	ug/l #	1
38) Carbon Tetrachloride	7.823	117	129695	15.735	ug/l	99
40) Benzene	8.079	78	508490	23.060	ug/l	99
42) 1,2-Dichloroethane	8.158	62	258458	46.329	ug/l	99
44) Trichloroethene	8.866	130	183331	28.946	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	240783	37.430	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	319715	41.483	ug/l	98
59) 2-Hexanone	10.762	43	154583	78.299	ug/l	96
60) Dibromochloromethane	10.646	129	113719	20.538	ug/l #	11
61) 1,2-Dibromoethane	11.018	107	25570	6.761	ug/l	100
64) Tetrachloroethene	10.646	164	128427	17.026	ug/l	99
65) Chlorobenzene	11.444	112	88066	5.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	89459	16.036	ug/l	99
67) Ethyl Benzene	11.518	91	131645	5.156	ug/l	97
68) m/p-Xylenes	11.627	106	450361	44.145	ug/l	100
69) o-Xylene	11.957	106	424279	44.990	ug/l	96
70) Styrene	11.969	104	414825	26.660	ug/l	93
71) Bromoform	12.133	173	85871	26.355	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	156122	39.019	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	107090	35.326	ug/l #	100
78) n-propylbenzene	12.682	91	339099	11.507	ug/l #	51
79) 2-Chlorotoluene	12.682	91	339099	19.830	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.408	75	149521	111.466	ug/l #	14

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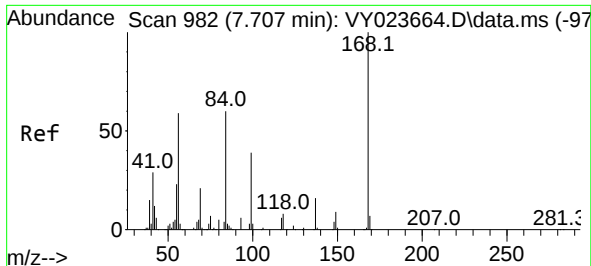
Quant Time: Nov 07 04:15:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.682	91	339099	19.229	ug/l	100
83) tert-Butylbenzene	12.999	119	552302	29.792	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	936427	46.448	ug/l	100
85) sec-Butylbenzene	13.292	105	35437	1.325	ug/l #	1
86) p-Isopropyltoluene	13.292	119	989472	43.712	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	158311	12.377	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	245531	19.542	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	208316	33.041	ug/l	99
95) Naphthalene	15.145	128	128093	15.660	ug/l	99

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

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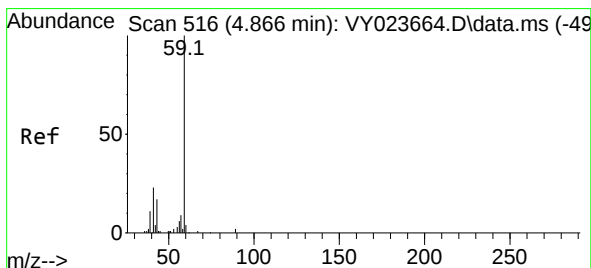
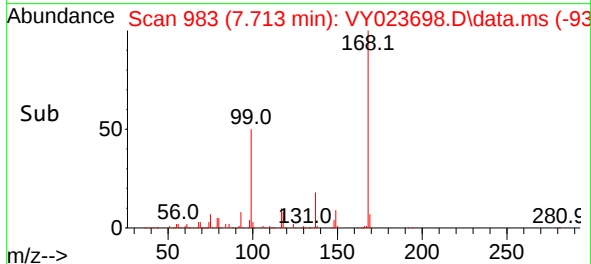
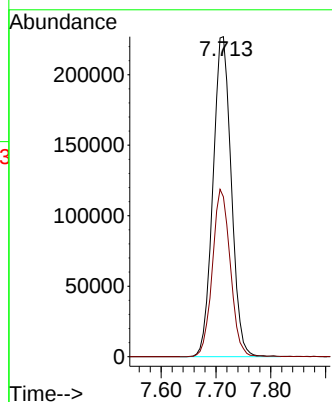
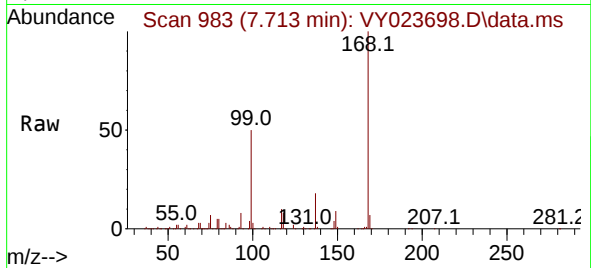




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
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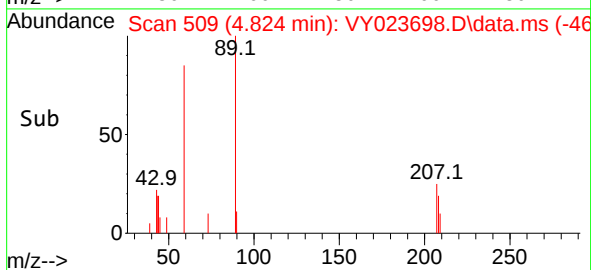
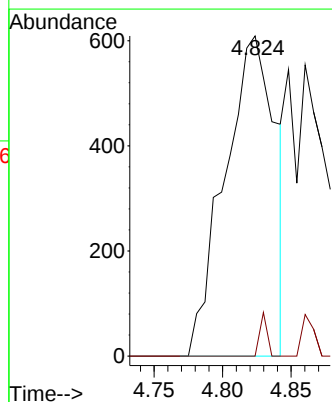
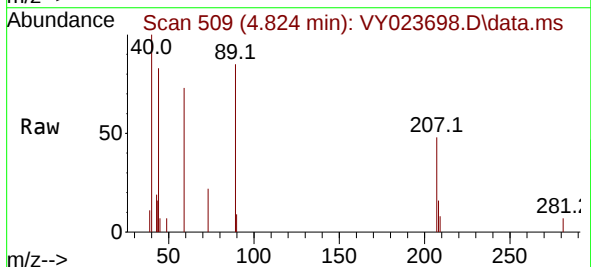
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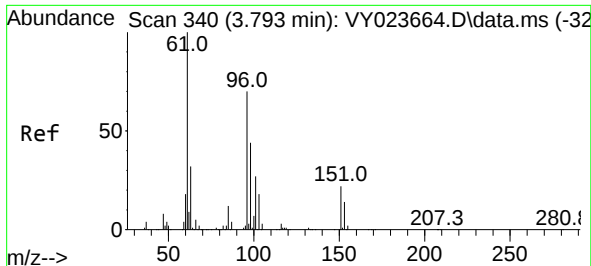
Tgt Ion:168 Resp: 525542
Ion Ratio Lower Upper
168 100
99 50.0 41.0 61.4



#11
Tert butyl alcohol
Concen: 5.383 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 59 Resp: 1556
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

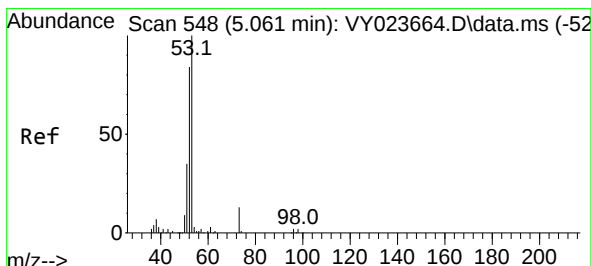
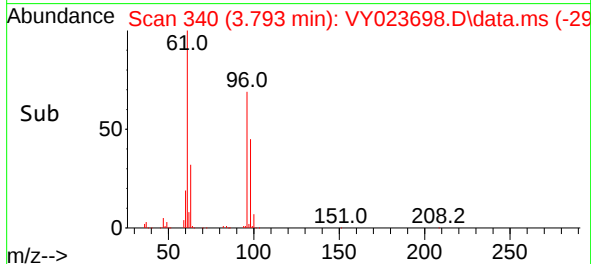
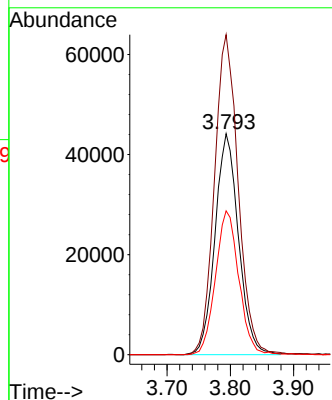
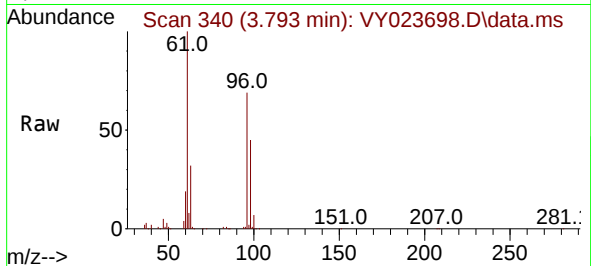




#12
1,1-Dichloroethene
Concen: 24.223 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

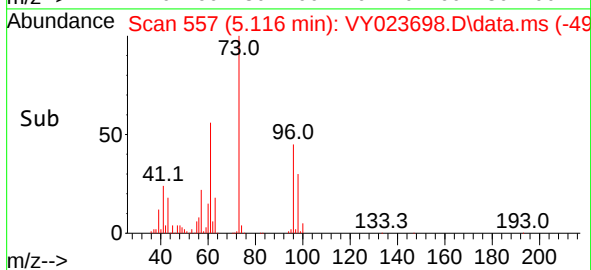
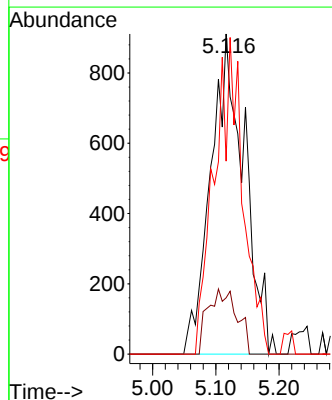
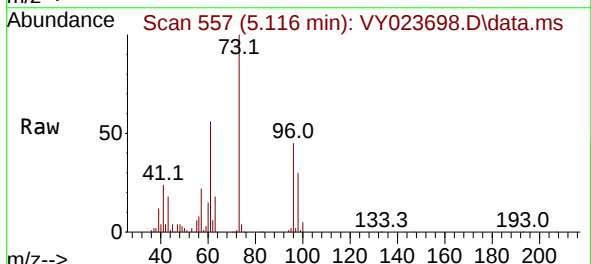
Instrument :
MSVOA_Y
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HW1025-PT-VOA-SOILD

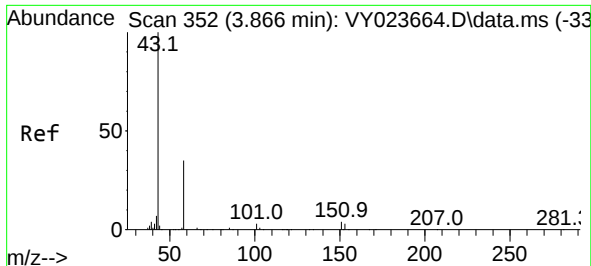
Tgt Ion: 96 Resp: 113739
Ion Ratio Lower Upper
96 100
61 144.8 114.0 171.0
98 65.1 50.2 75.2



#15
Acrylonitrile
Concen: 3.720 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.055 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 53 Resp: 3373
Ion Ratio Lower Upper
53 100
52 17.4 64.9 97.3#
51 39.5 29.4 44.0

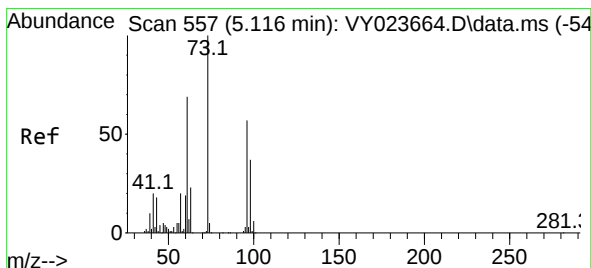
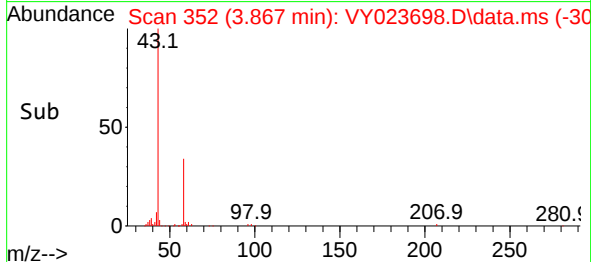
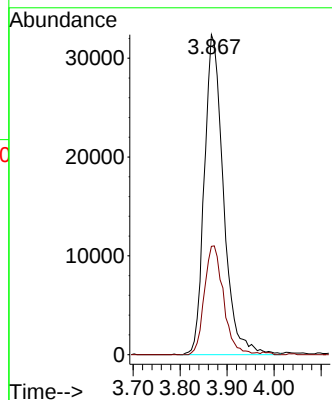
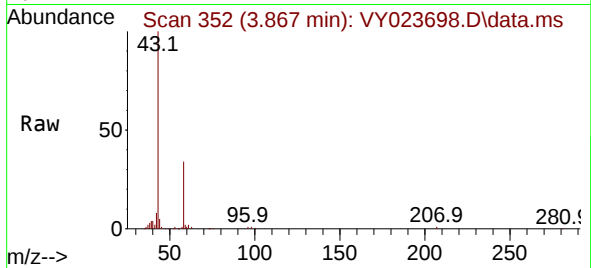




#16
Acetone
Concen: 82.234 ug/l
RT: 3.867 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

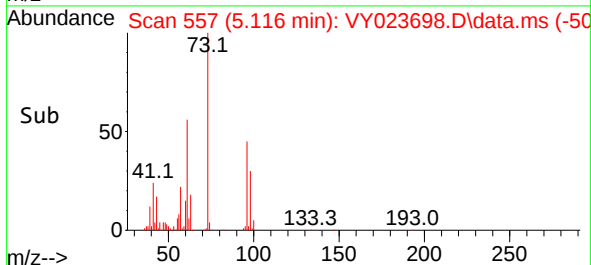
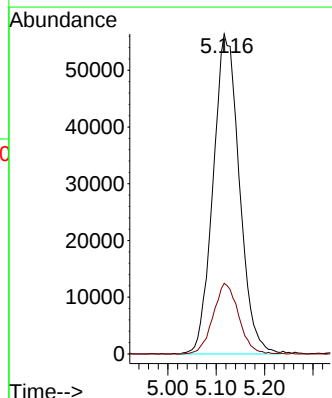
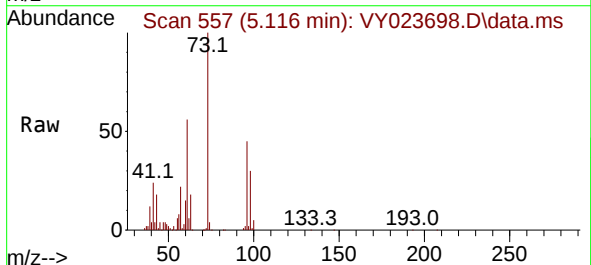
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

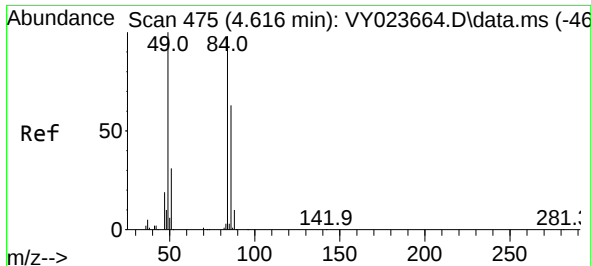
Tgt Ion: 43 Resp: 91635
Ion Ratio Lower Upper
43 100
58 33.9 28.2 42.4



#19
Methyl tert-butyl Ether
Concen: 19.525 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 73 Resp: 212586
Ion Ratio Lower Upper
73 100
57 22.1 16.1 24.1

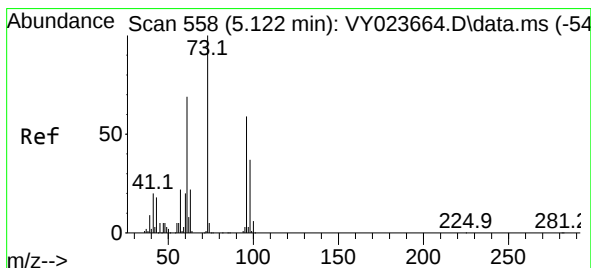
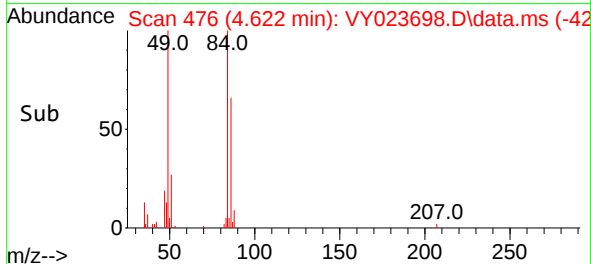
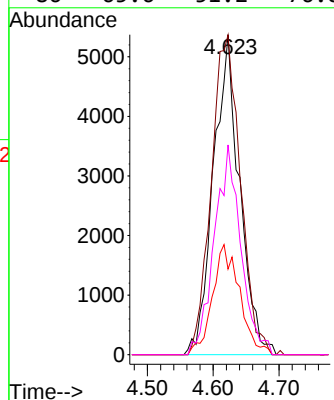
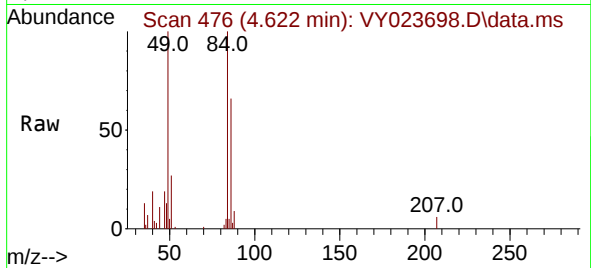




#20
Methylene Chloride
Concen: 2.765 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

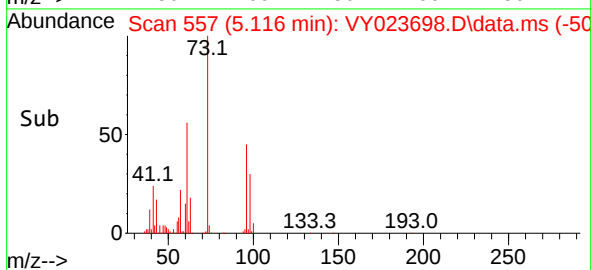
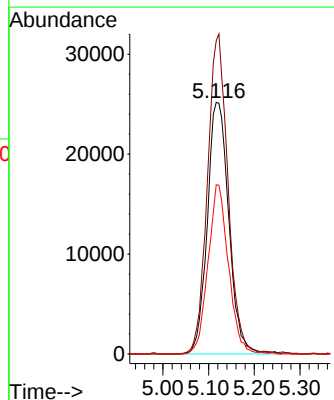
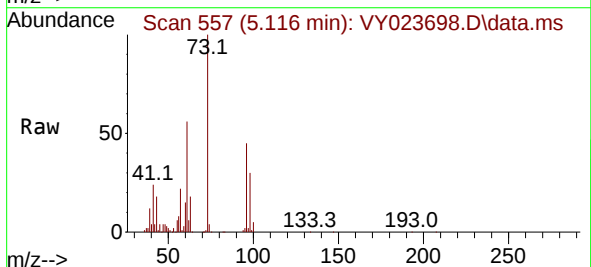
Instrument :
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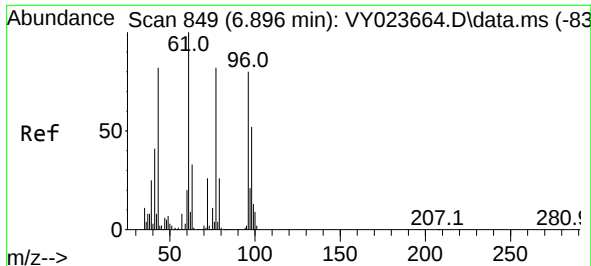
Tgt Ion:	84	Resp:	14876
Ion	Ratio	Lower	Upper
84	100		
49	99.9	81.5	122.3
51	26.7	25.5	38.3
86	65.6	51.2	76.8



#21
trans-1,2-Dichloroethene
Concen: 15.523 ug/l
RT: 5.116 min Scan# 557
Delta R.T. -0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion:	96	Resp:	82185
Ion	Ratio	Lower	Upper
96	100		
61	124.5	93.3	139.9
98	67.2	50.6	75.8





#25

2-Butanone

Concen: 31.586 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023698.D

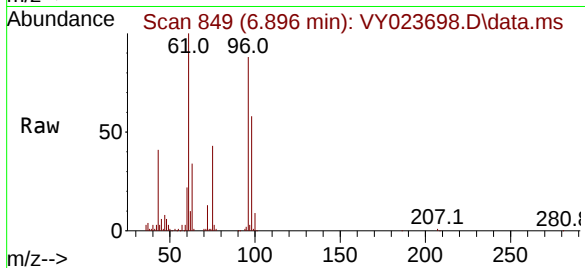
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Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

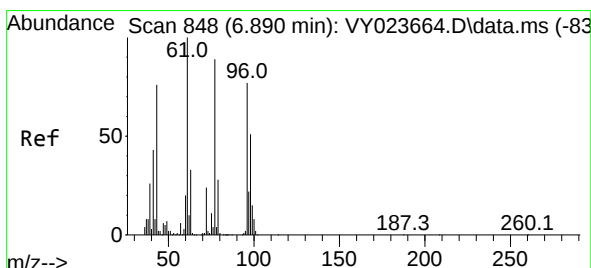
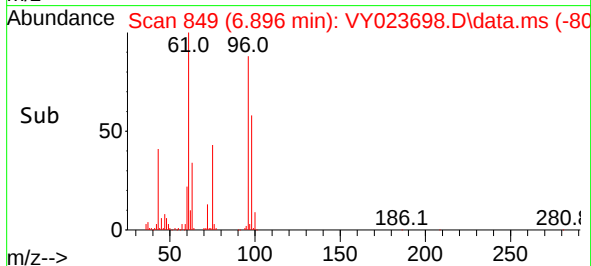
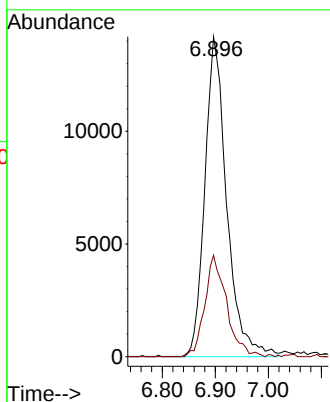


Tgt Ion: 43 Resp: 40694

Ion Ratio Lower Upper

43 100

72 31.7 25.7 38.5



#27

cis-1,2-Dichloroethene

Concen: 14.038 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

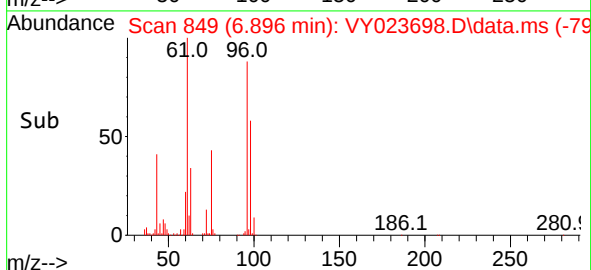
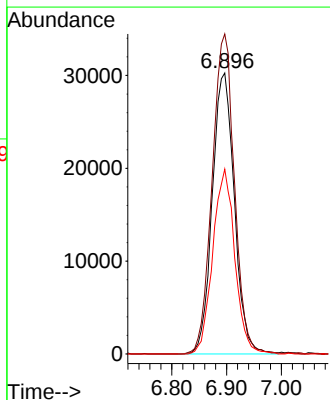
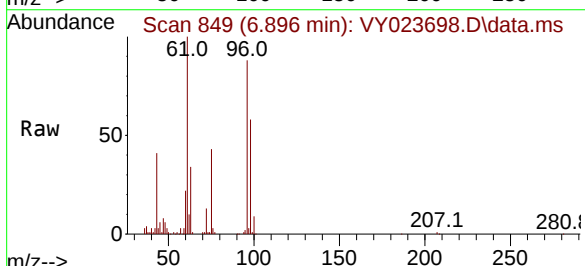
Tgt Ion: 96 Resp: 84881

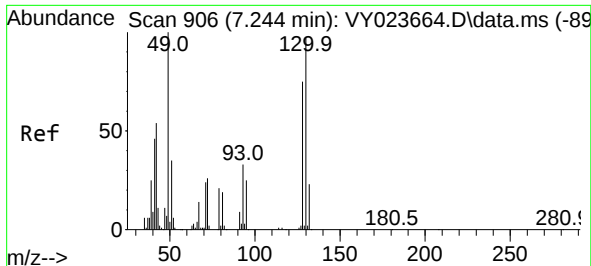
Ion Ratio Lower Upper

96 100

61 114.6 0.0 255.0

98 65.5 0.0 129.8

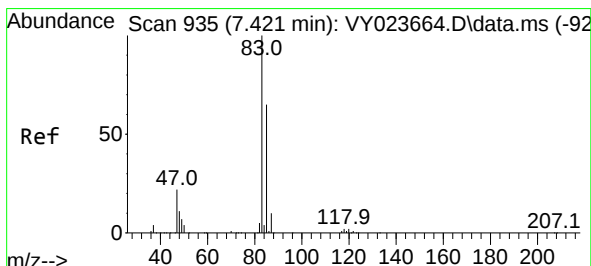
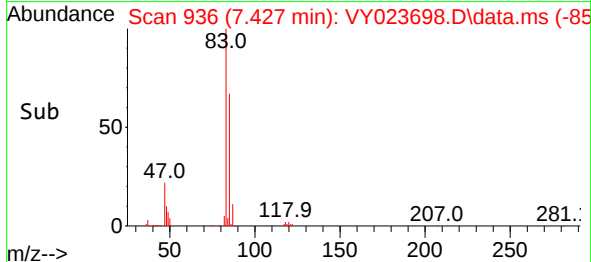
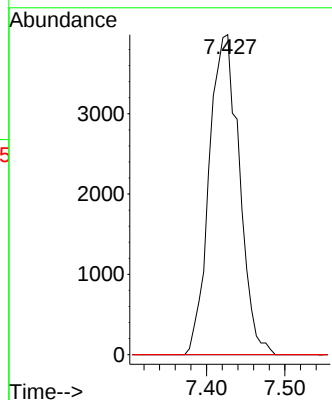
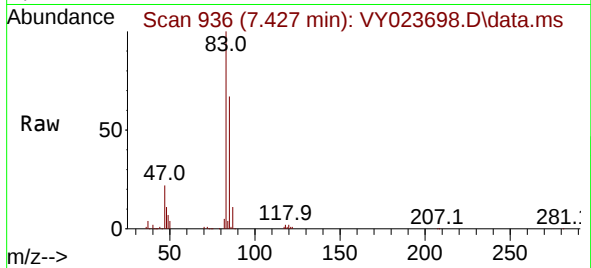




#28
Bromochloromethane
Concen: 3.277 ug/l
RT: 7.427 min Scan# 911
Delta R.T. 0.183 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

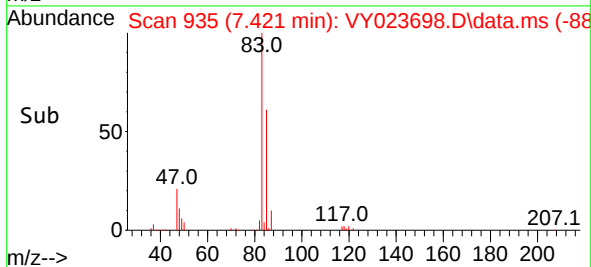
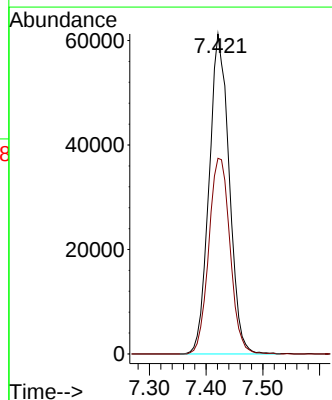
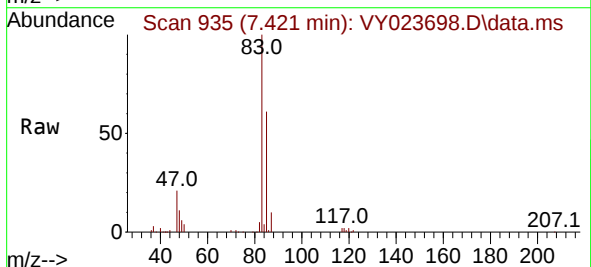
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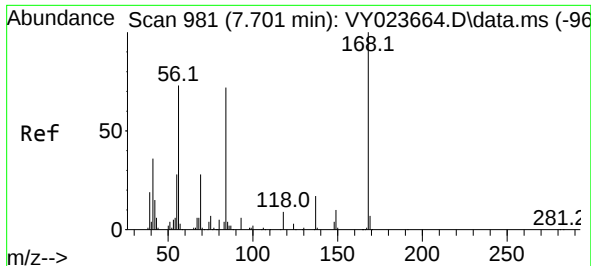
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Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 0.0 80.1 120.1#



#30
Chloroform
Concen: 15.952 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 83 Resp: 151000
Ion Ratio Lower Upper
83 100
85 61.2 52.1 78.1

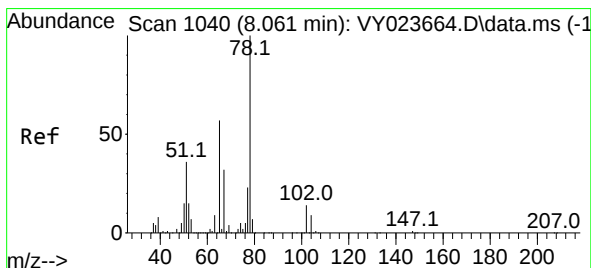
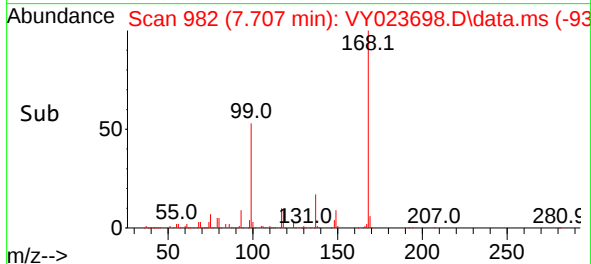
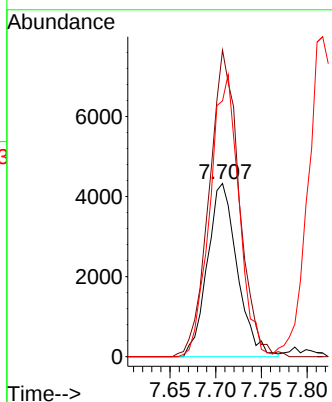
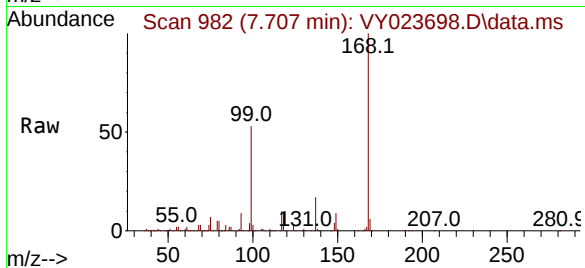




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

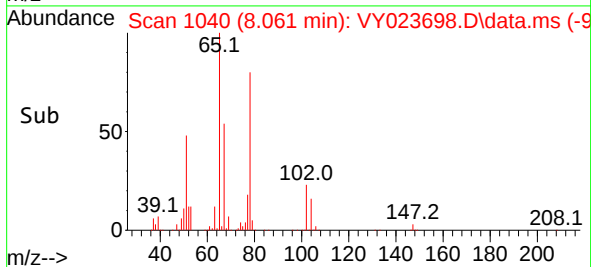
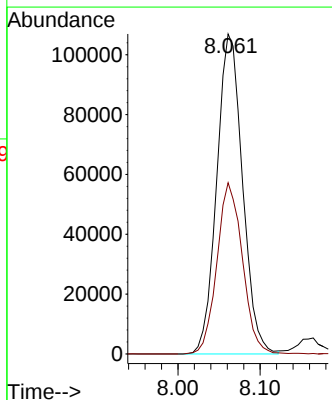
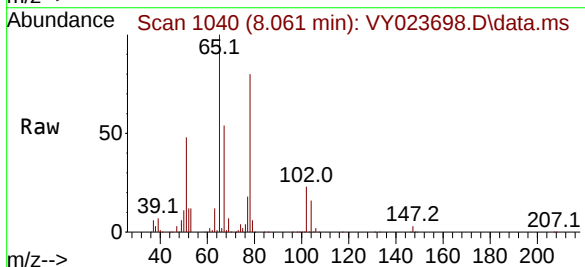
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

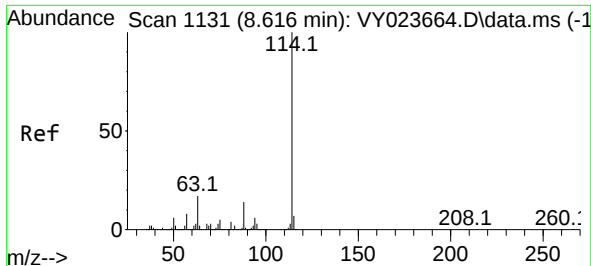
Tgt Ion: 56 Resp: 9808
Ion Ratio Lower Upper
56 100
69 175.1 30.5 45.7#
84 147.7 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 51.955 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 65 Resp: 232911
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

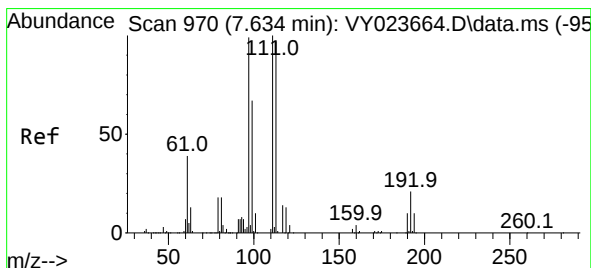
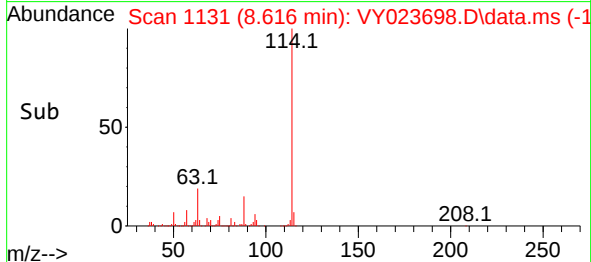
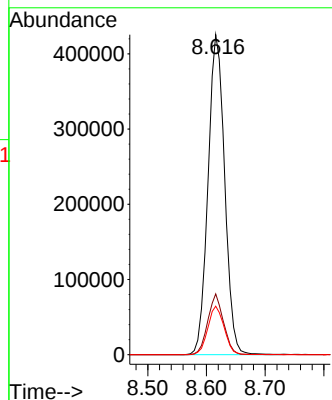
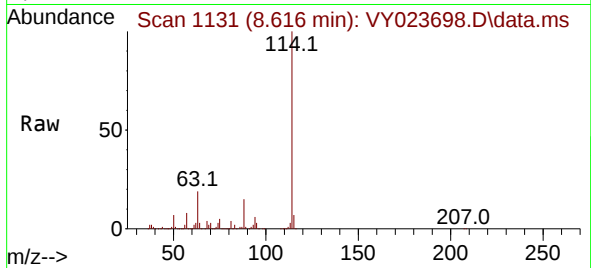




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

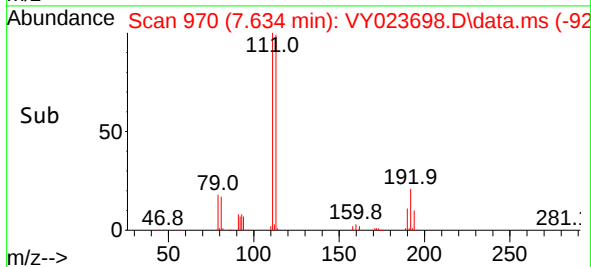
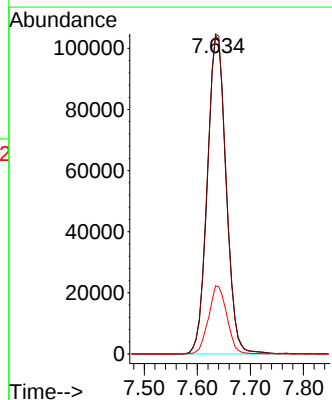
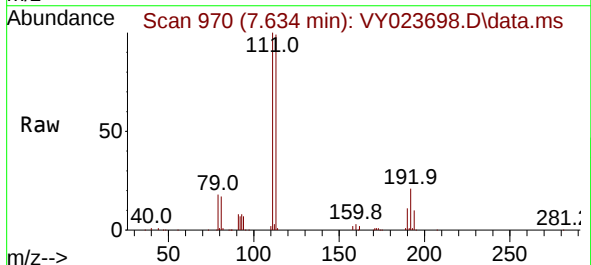
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

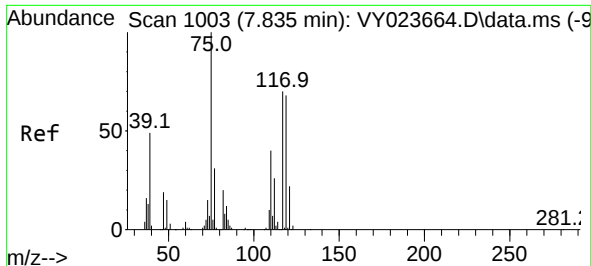
Tgt Ion:114 Resp: 837737
Ion Ratio Lower Upper
114 100
63 19.0 0.0 33.8
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 48.781 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion:113 Resp: 255382
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 21.0 17.3 25.9

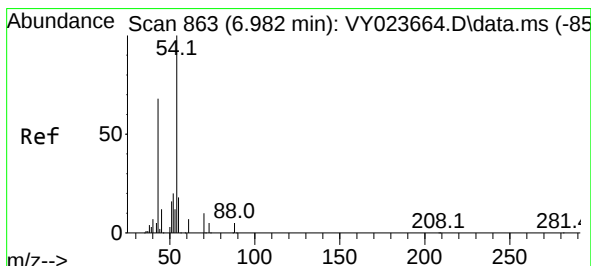
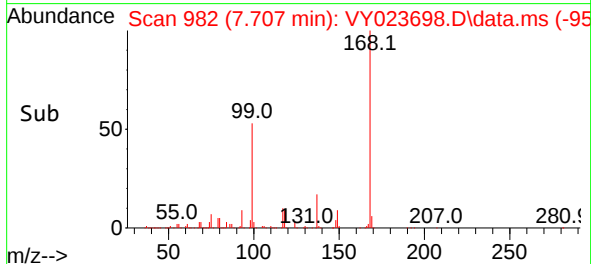
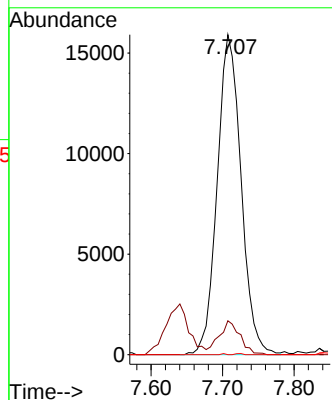
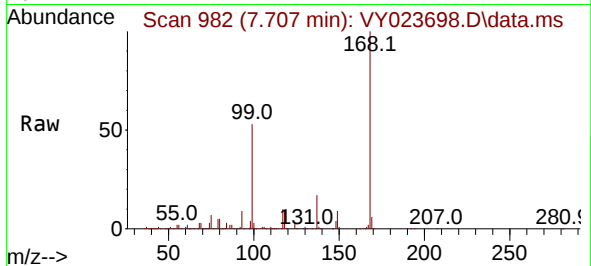




#36
 1,1-Dichloropropene
 Concen: 5.280 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

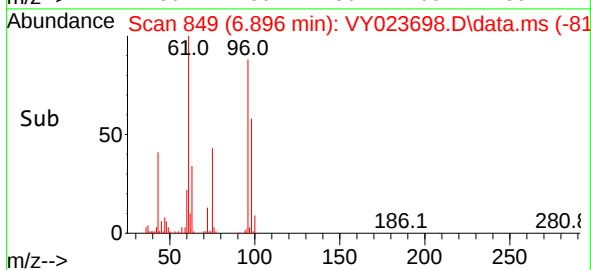
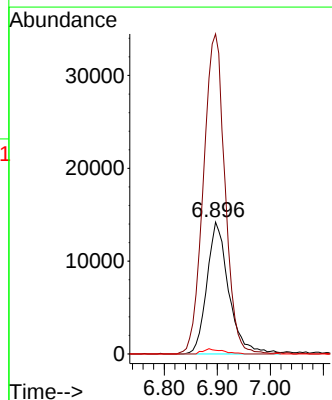
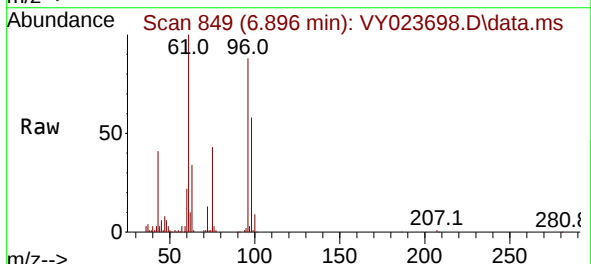
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOILD

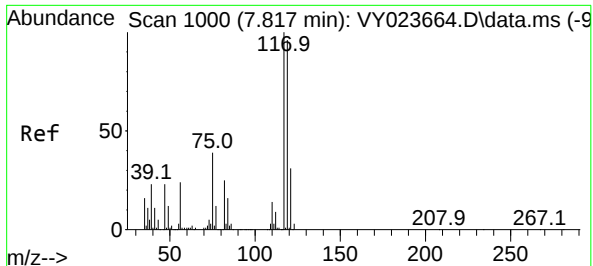
Tgt Ion: 75 Resp: 36939
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.7 59.0#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 15.026 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.085 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

Tgt Ion: 43 Resp: 40694
 Ion Ratio Lower Upper
 43 100
 61 239.0 12.4 18.6#
 70 3.6 9.8 14.8#

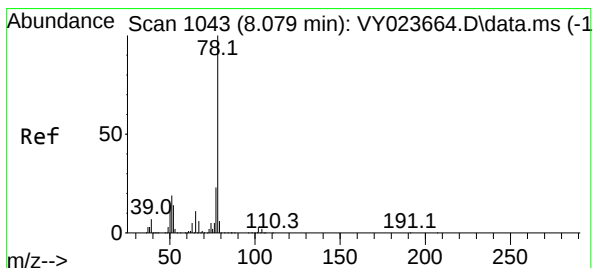
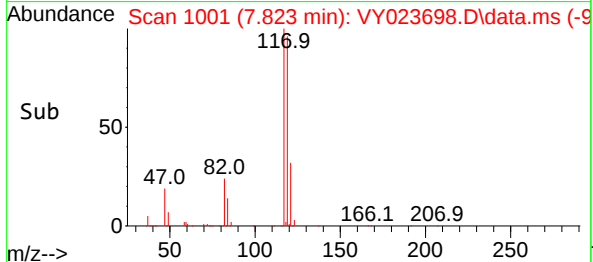
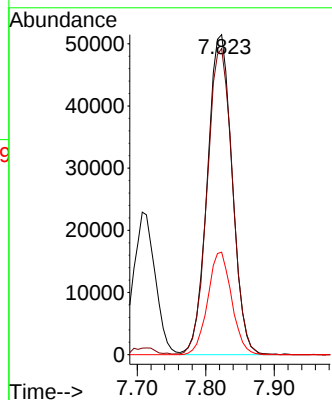
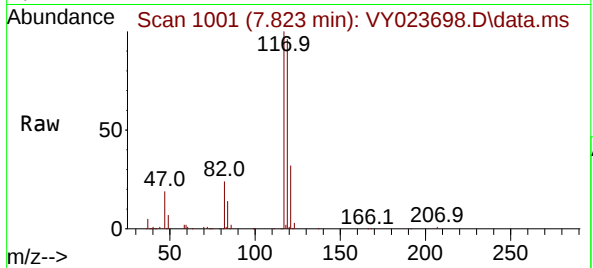




#38
Carbon Tetrachloride
Concen: 15.735 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

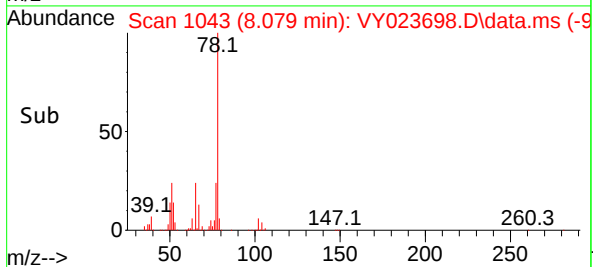
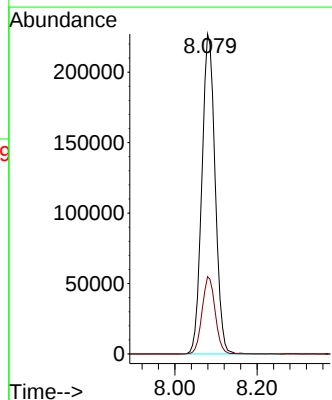
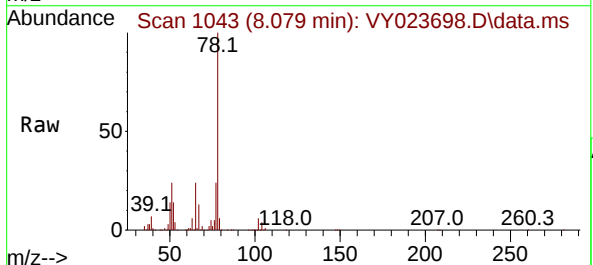
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

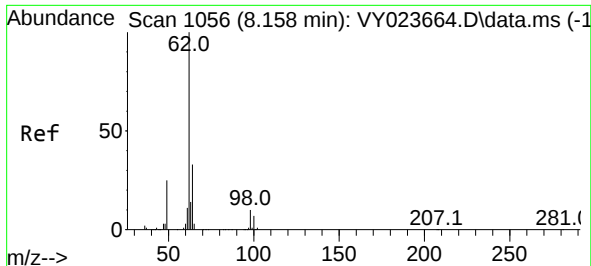
Tgt Ion:117 Resp: 129695
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 32.1 24.8 37.2



#40
Benzene
Concen: 23.060 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 78 Resp: 508490
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2





#42

1,2-Dichloroethane

Concen: 46.329 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

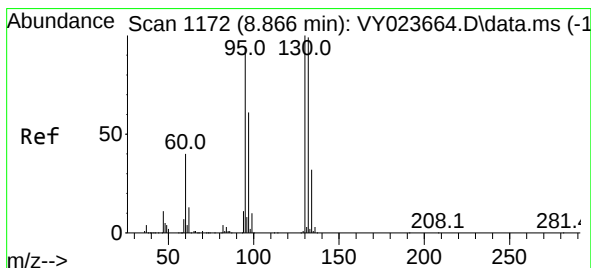
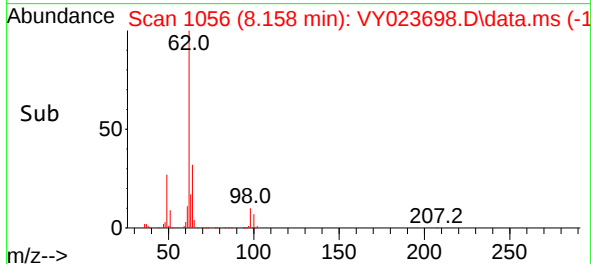
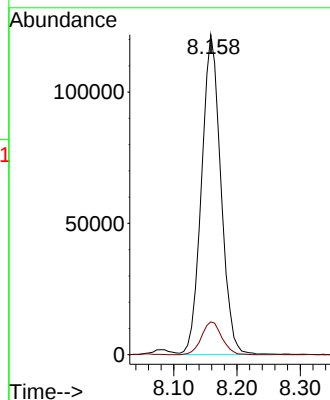
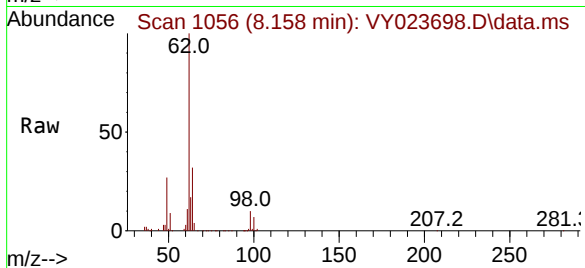
HW1025-PT-VOA-SOILD

Tgt Ion: 62 Resp: 258458

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.0



#44

Trichloroethene

Concen: 28.946 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023698.D

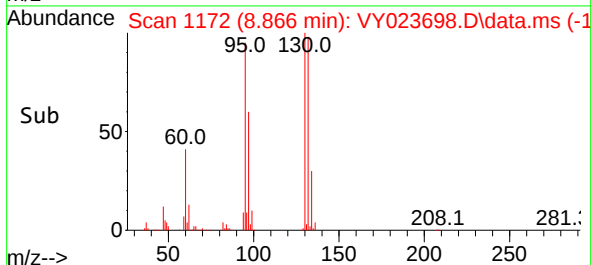
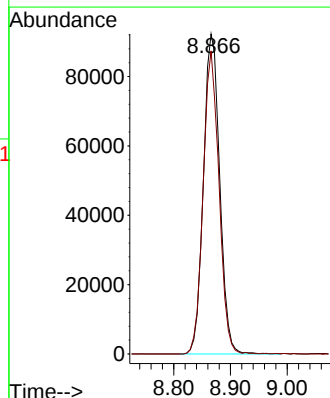
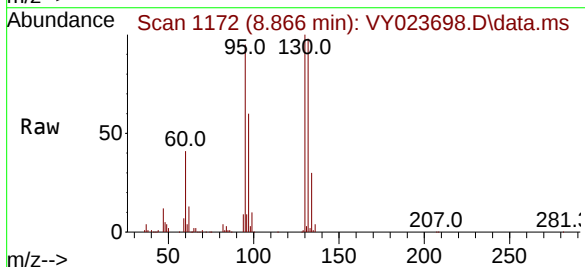
Acq: 06 Nov 2025 11:40

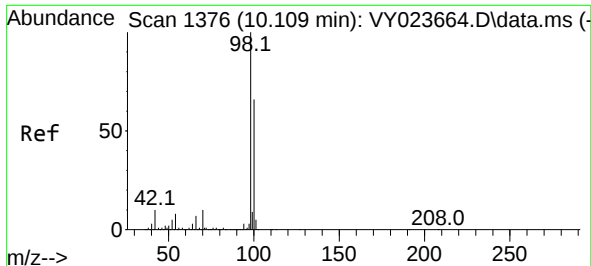
Tgt Ion:130 Resp: 183331

Ion Ratio Lower Upper

130 100

95 94.7 0.0 187.0

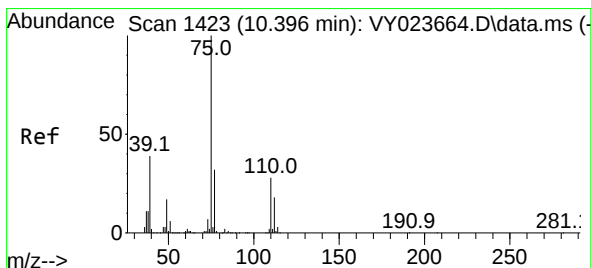
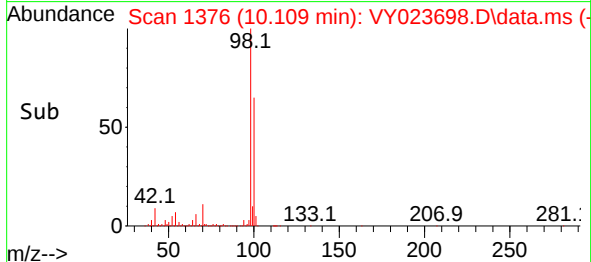
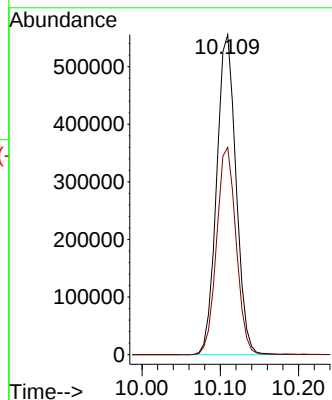
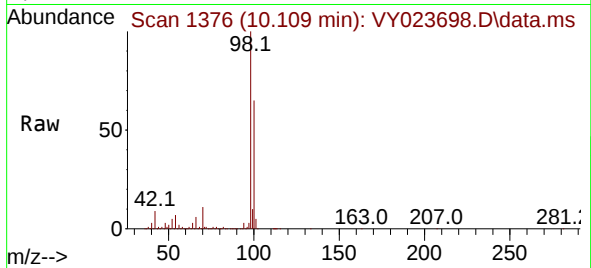




#50
Toluene-d8
Concen: 48.999 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

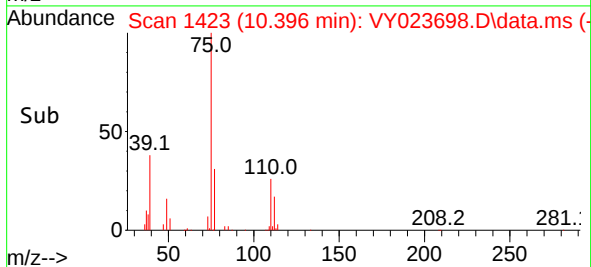
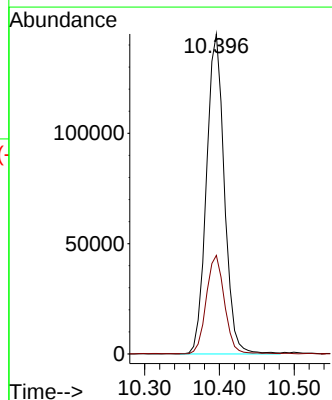
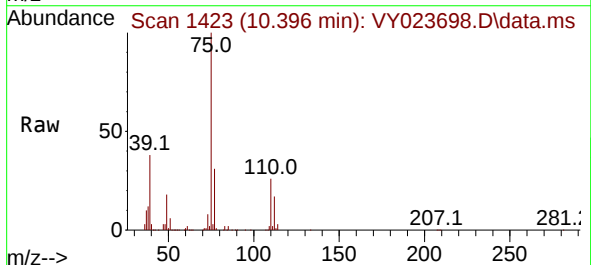
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

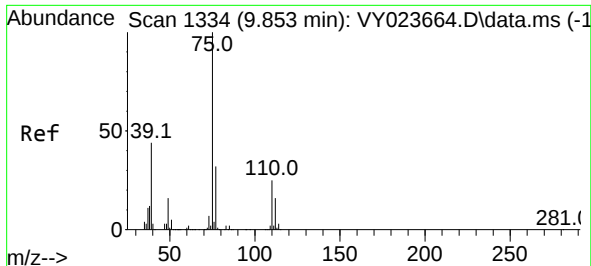
Tgt Ion: 98 Resp: 955572
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#53
t-1,3-Dichloropropene
Concen: 37.430 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 75 Resp: 240783
Ion Ratio Lower Upper
75 100
77 30.7 25.6 38.4

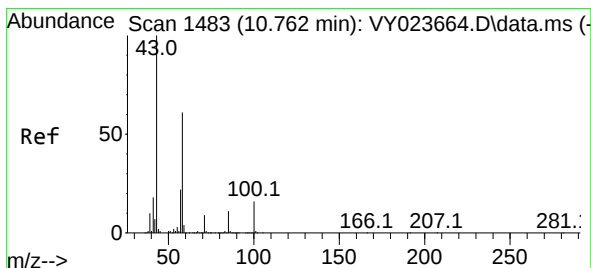
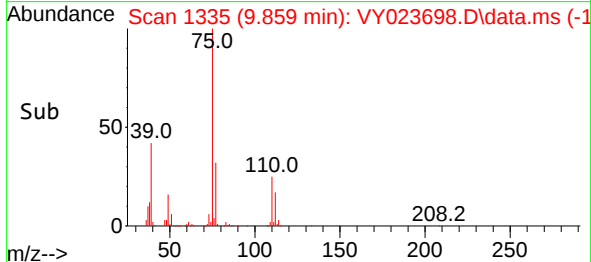
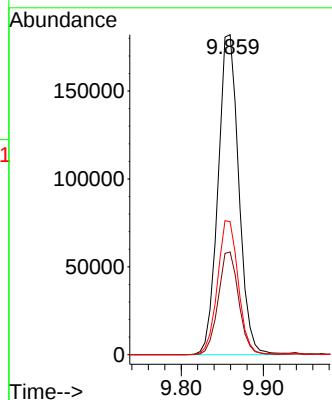
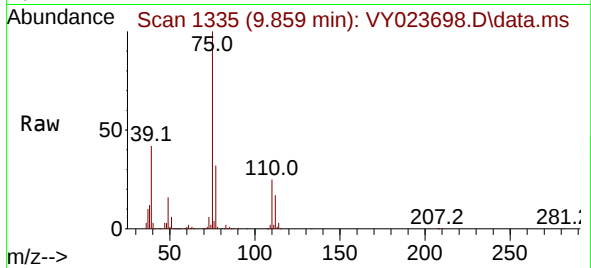




#54
cis-1,3-Dichloropropene
Concen: 41.483 ug/l
RT: 9.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

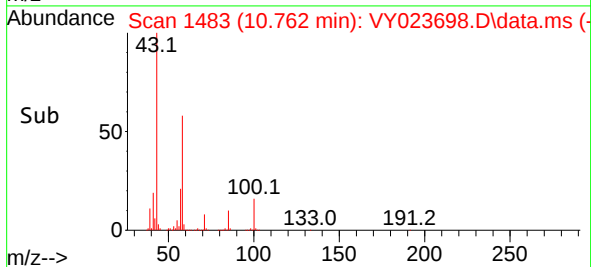
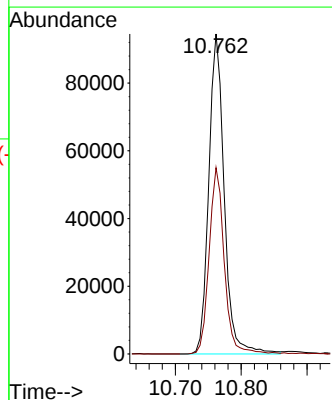
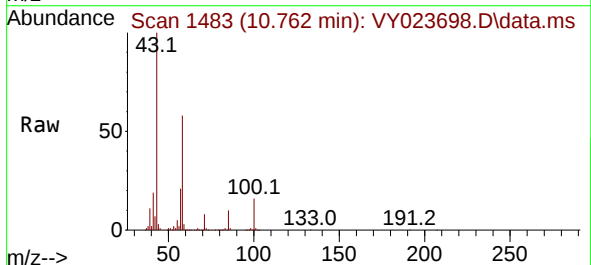
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

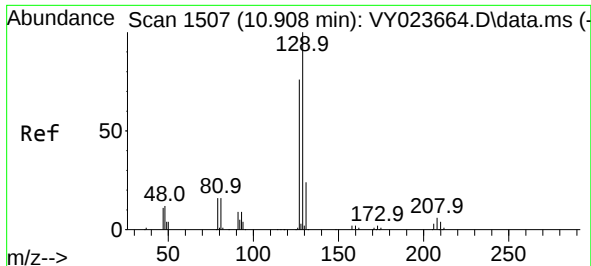
Tgt Ion: 75 Resp: 319715
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 41.6 34.9 52.3



#59
2-Hexanone
Concen: 78.299 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 43 Resp: 154583
Ion Ratio Lower Upper
43 100
58 57.2 30.2 90.6

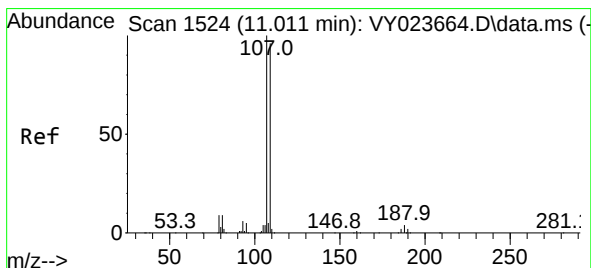
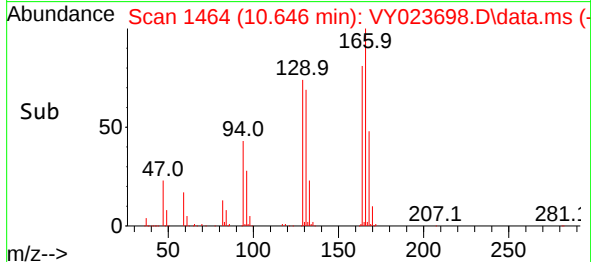
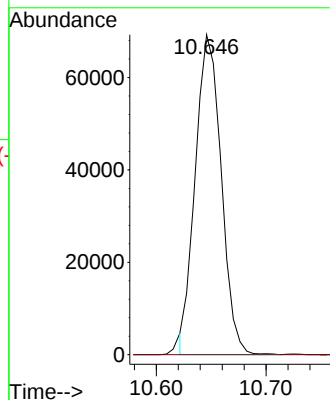
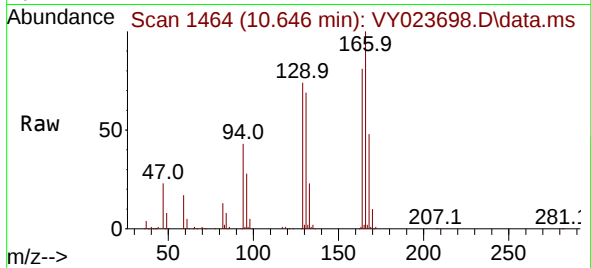




#60
 Dibromochloromethane
 Concen: 20.538 ug/l
 RT: 10.646 min Scan# 1464
 Delta R.T. -0.262 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

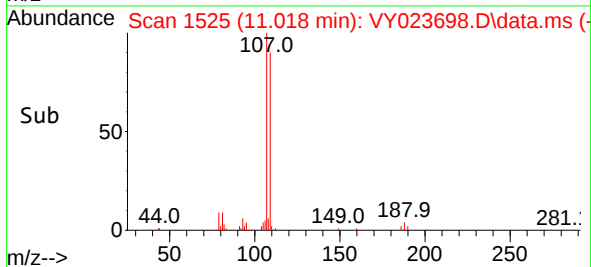
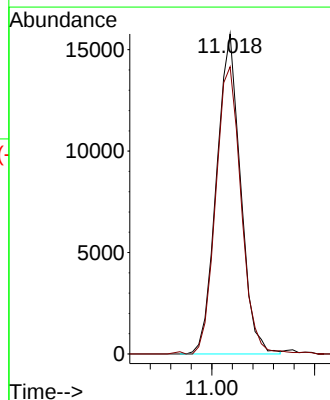
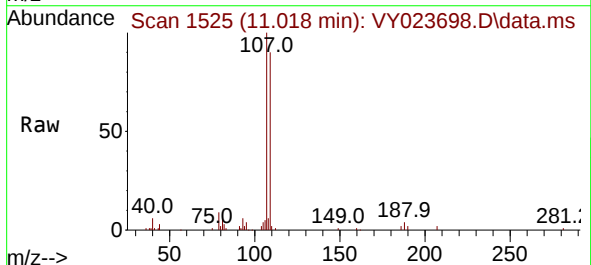
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOILD

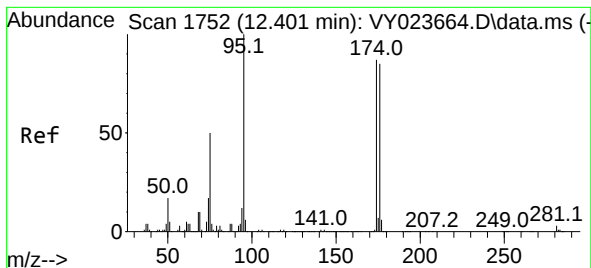
Tgt Ion:129 Resp: 113719
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#



#61
 1,2-Dibromoethane
 Concen: 6.761 ug/l
 RT: 11.018 min Scan# 1525
 Delta R.T. 0.006 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

Tgt Ion:107 Resp: 25570
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.2 114.4

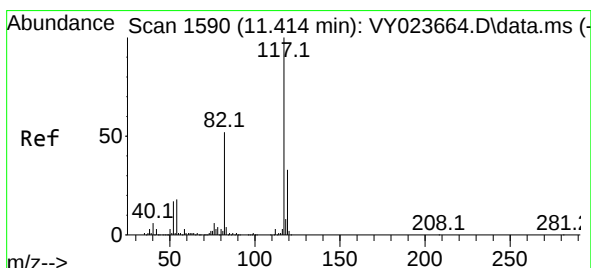
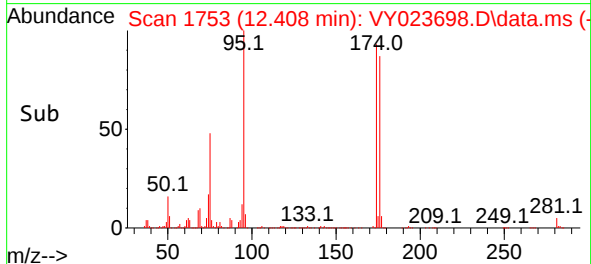
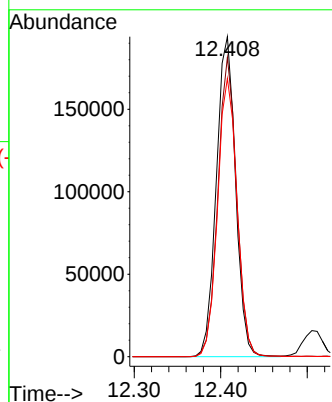
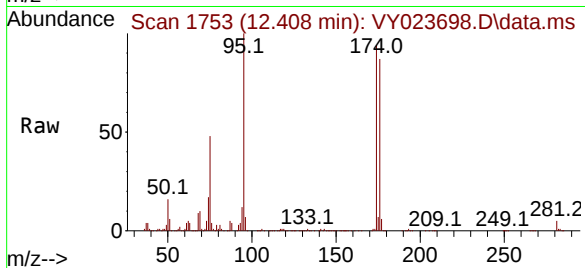




#62
4-Bromofluorobenzene
Concen: 47.341 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

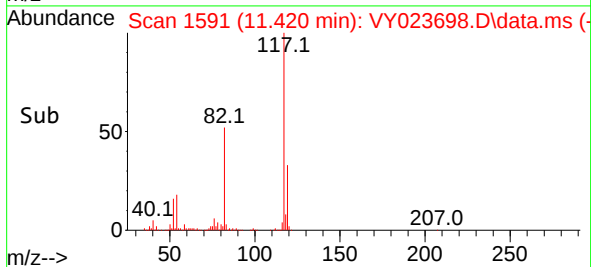
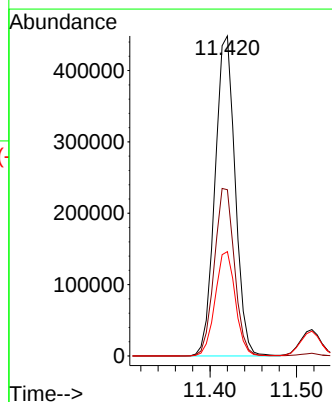
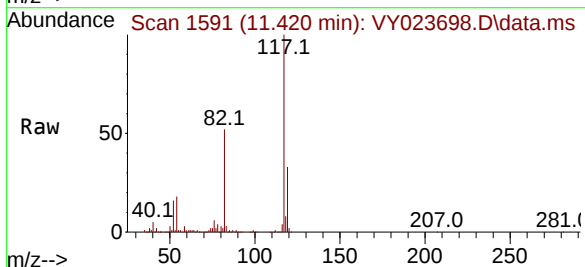
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

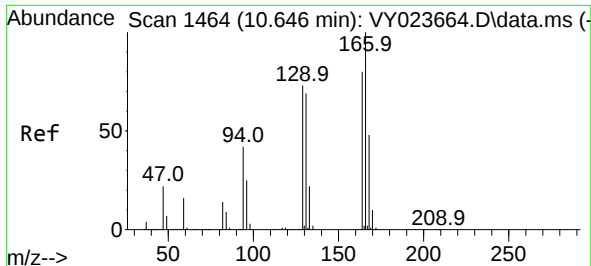
Tgt Ion: 95 Resp: 298565
Ion Ratio Lower Upper
95 100
174 91.9 0.0 184.8
176 88.4 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

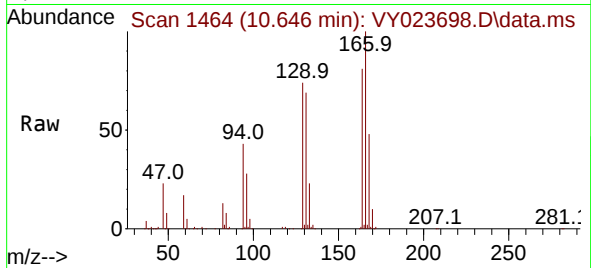
Tgt Ion: 117 Resp: 724701
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.6 26.2 39.2



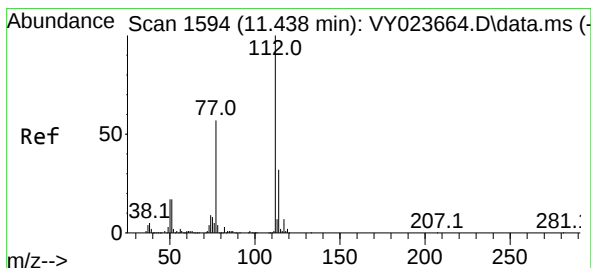
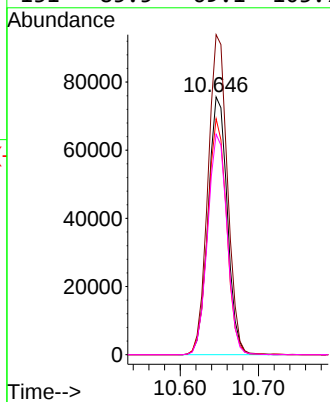
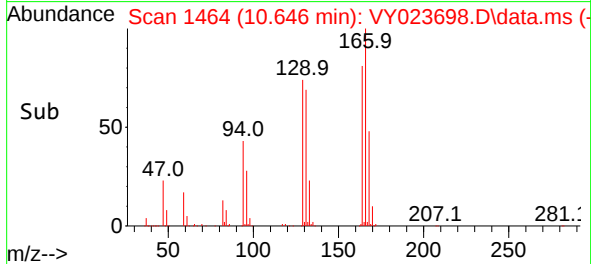


#64
Tetrachloroethene
Concen: 17.026 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

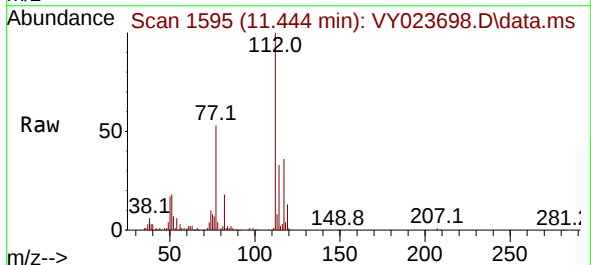
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD



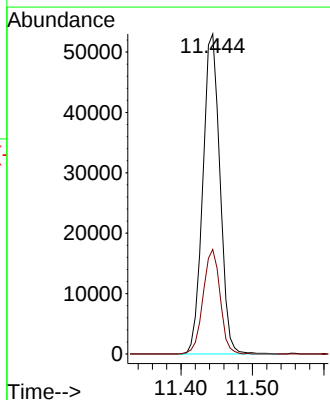
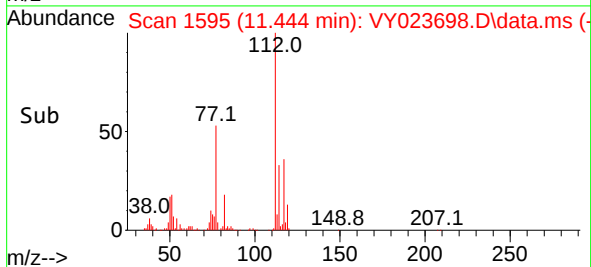
Tgt Ion:164 Resp: 128427
Ion Ratio Lower Upper
164 100
166 124.2 99.5 149.3
129 91.6 72.3 108.5
131 85.5 69.1 103.7

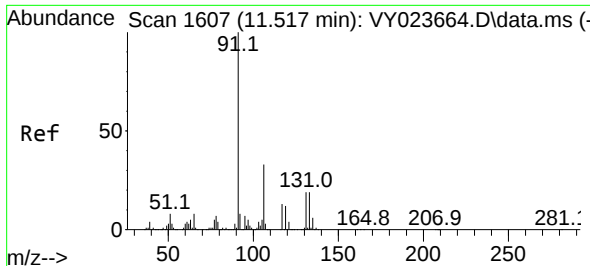


#65
Chlorobenzene
Concen: 5.582 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40



Tgt Ion:112 Resp: 88066
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

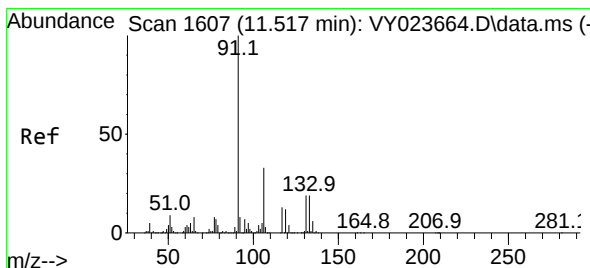
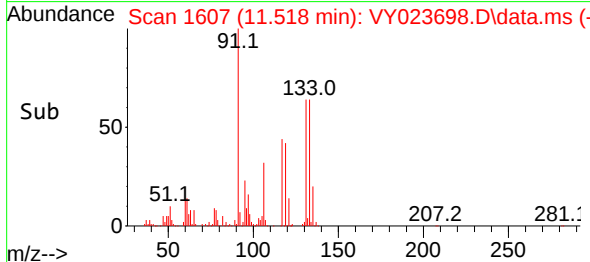
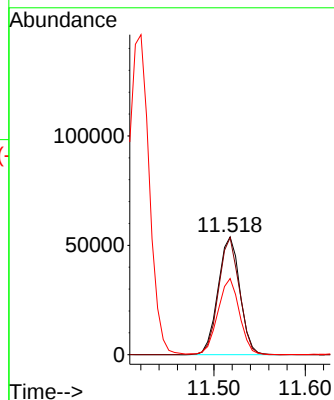
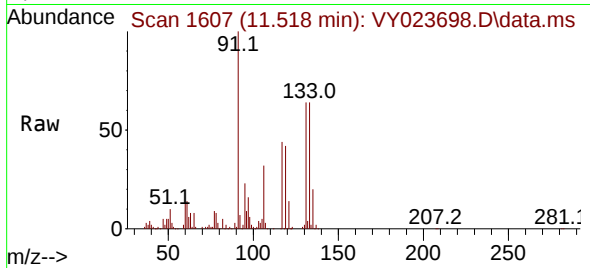




#66
 1,1,1,2-Tetrachloroethane
 Concen: 16.036 ug/l
 RT: 11.518 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

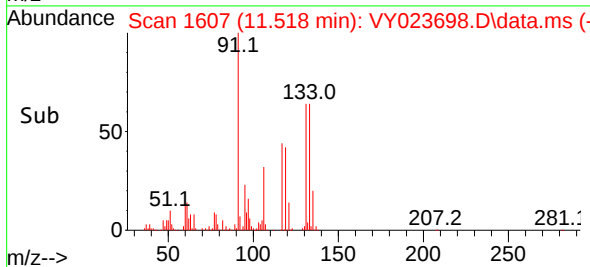
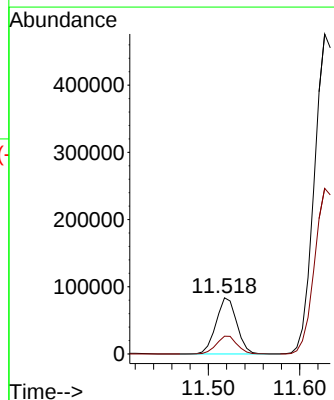
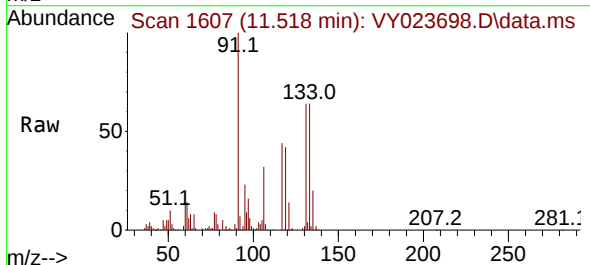
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOILD

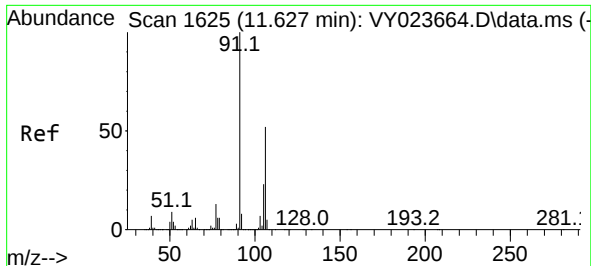
Tgt Ion:131 Resp: 89459
 Ion Ratio Lower Upper
 131 100
 133 95.3 47.3 141.8
 119 64.3 32.5 97.4



#67
 Ethyl Benzene
 Concen: 5.156 ug/l
 RT: 11.518 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

Tgt Ion: 91 Resp: 131645
 Ion Ratio Lower Upper
 91 100
 106 31.6 26.6 40.0

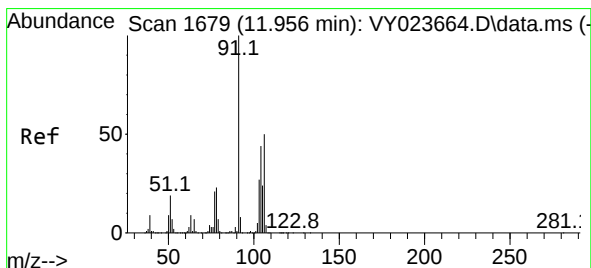
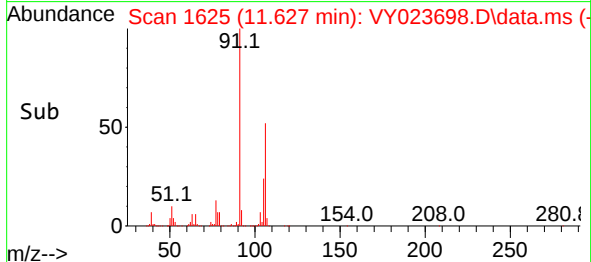
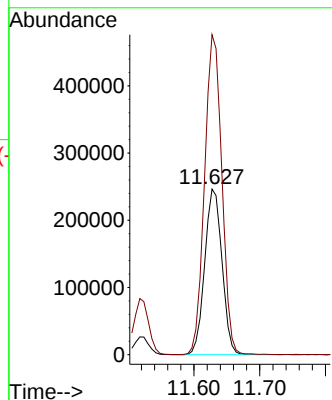
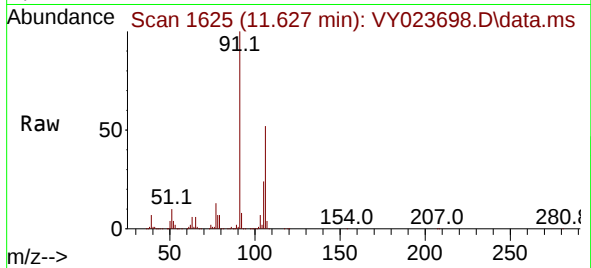




#68
m/p-Xylenes
Concen: 44.145 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

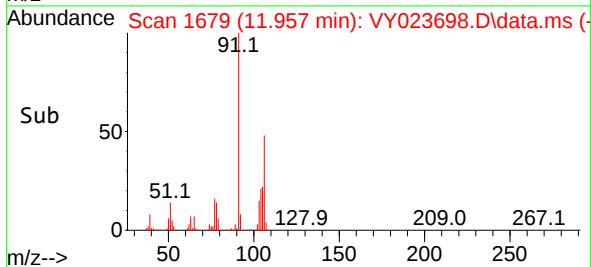
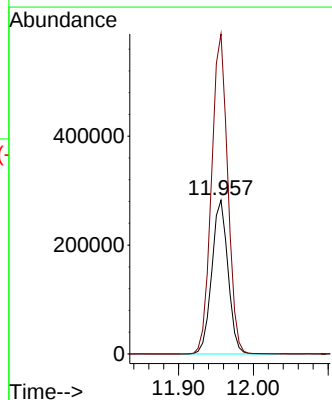
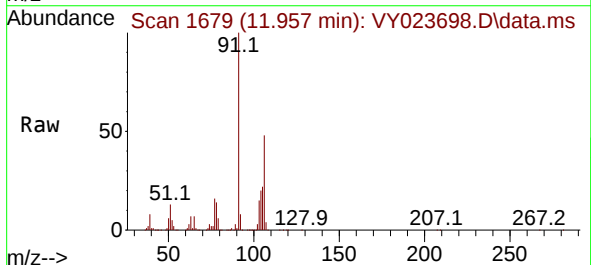
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

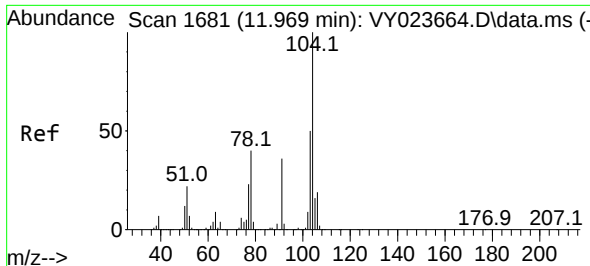
Tgt Ion:106 Resp: 450361
Ion Ratio Lower Upper
106 100
91 192.9 154.3 231.5



#69
o-Xylene
Concen: 44.990 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion:106 Resp: 424279
Ion Ratio Lower Upper
106 100
91 209.1 101.6 304.6

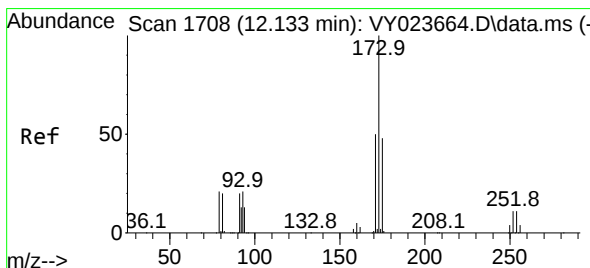
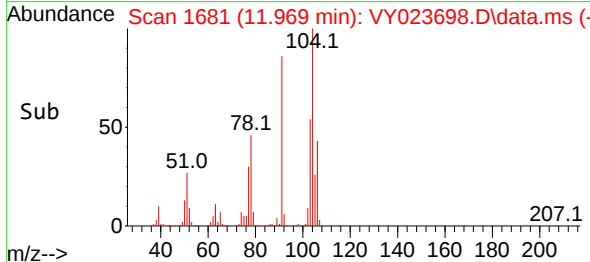
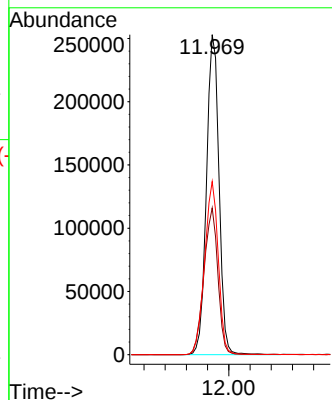
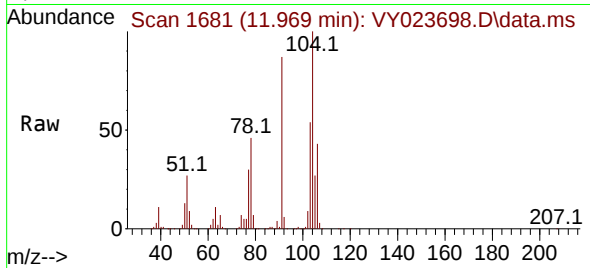




#70
Styrene
Concen: 26.660 ug/l
RT: 11.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

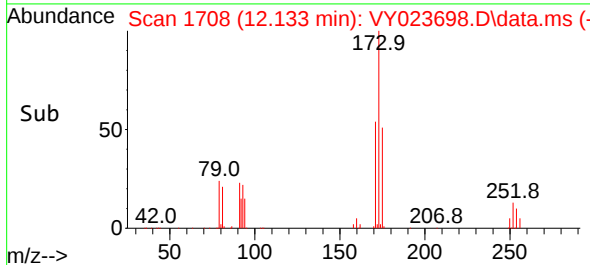
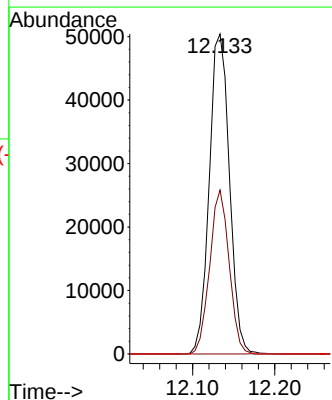
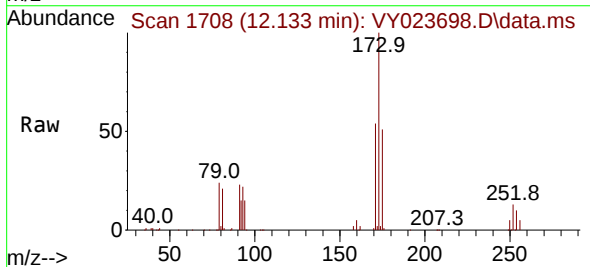
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

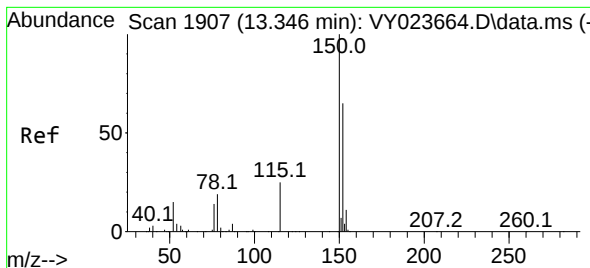
Tgt Ion:104 Resp: 414825
Ion Ratio Lower Upper
104 100
78 51.0 36.5 54.7
103 59.1 43.7 65.5



#71
Bromoform
Concen: 26.355 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion:173 Resp: 85871
Ion Ratio Lower Upper
173 100
175 49.3 24.2 72.6
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

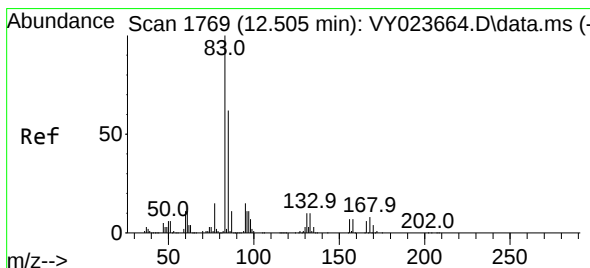
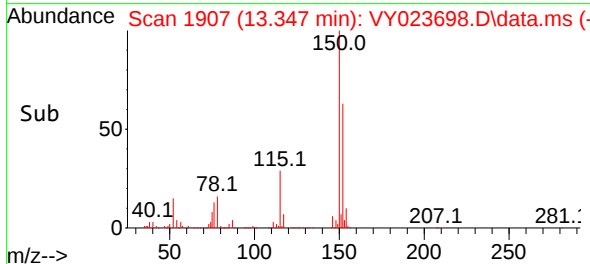
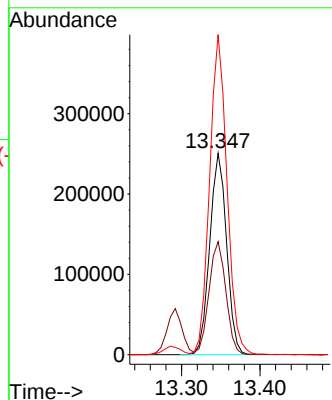
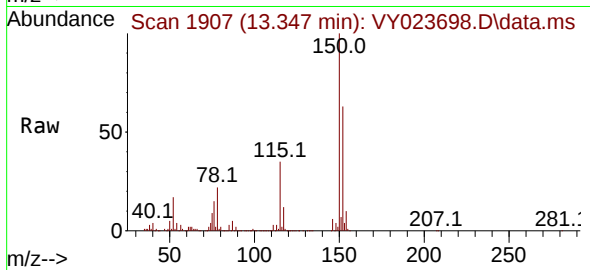
Tgt Ion:152 Resp: 374577

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.5

150 163.2 0.0 349.0



#75

1,1,2,2-Tetrachloroethane

Concen: 39.019 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

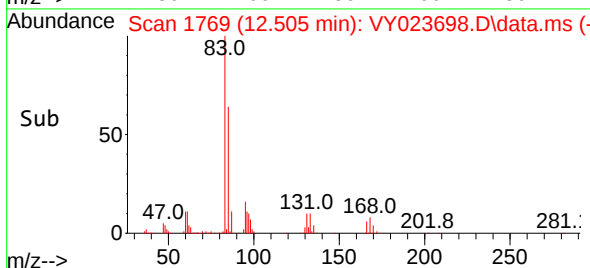
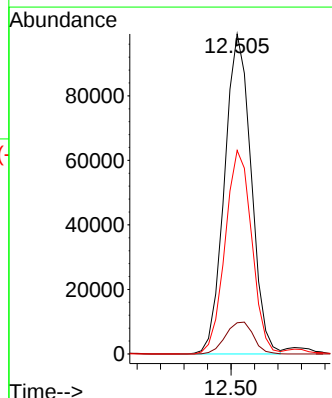
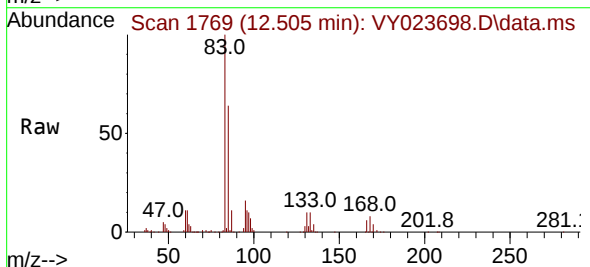
Tgt Ion: 83 Resp: 156122

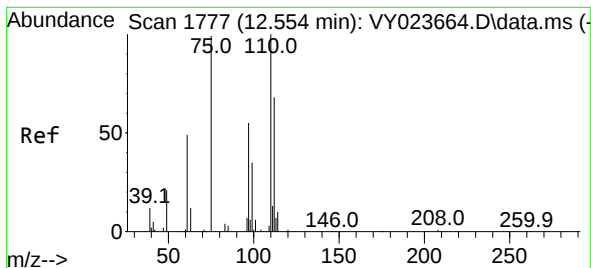
Ion Ratio Lower Upper

83 100

131 10.4 5.7 17.0

85 63.8 31.9 95.7

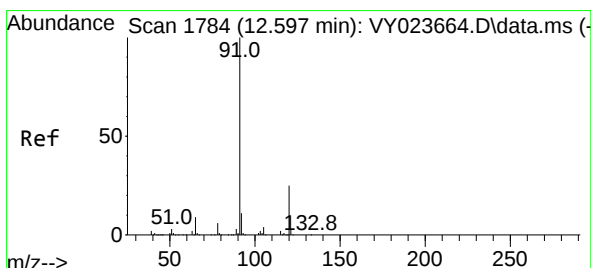
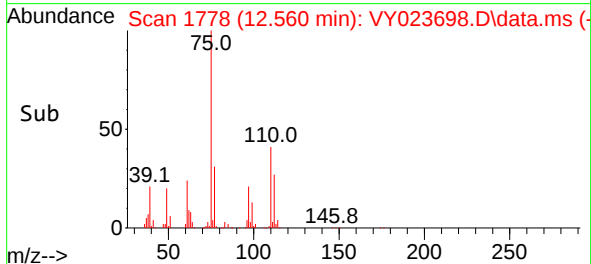
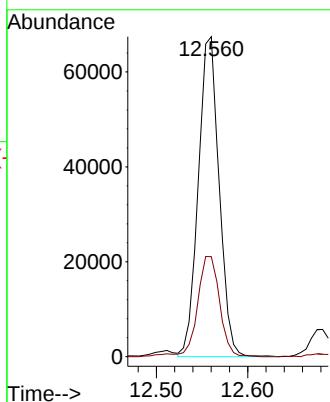
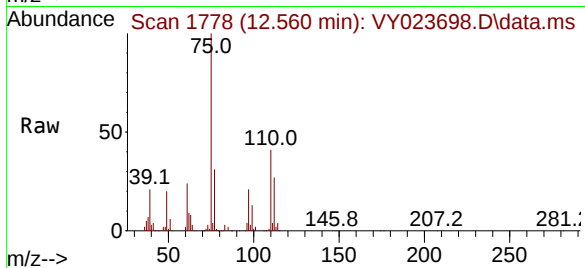




#76
1,2,3-Trichloropropane
Concen: 35.326 ug/l
RT: 12.560 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

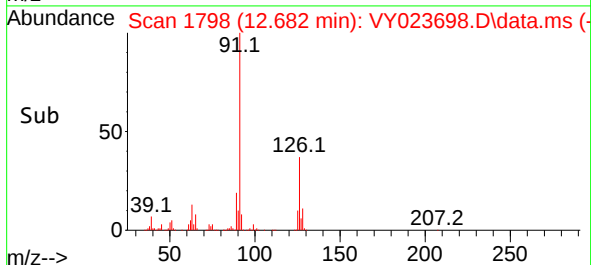
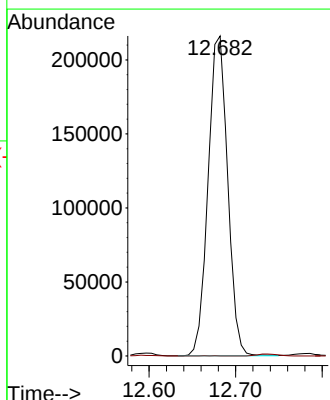
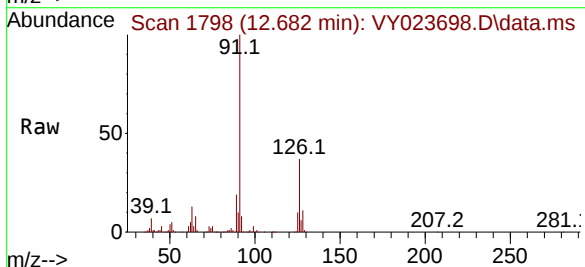
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

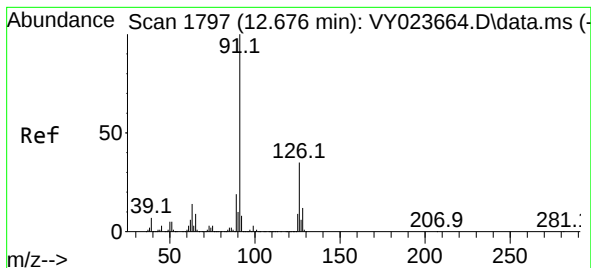
Tgt Ion: 75 Resp: 107090
Ion Ratio Lower Upper
75 100
77 33.5 0.0 0.0#



#78
n-propylbenzene
Concen: 11.507 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.085 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 91 Resp: 339099
Ion Ratio Lower Upper
91 100
120 0.0 12.0 36.1#





#79

2-Chlorotoluene

Concen: 19.830 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

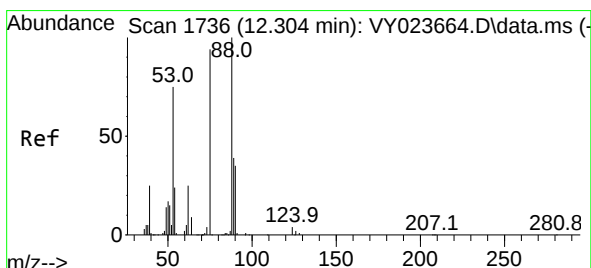
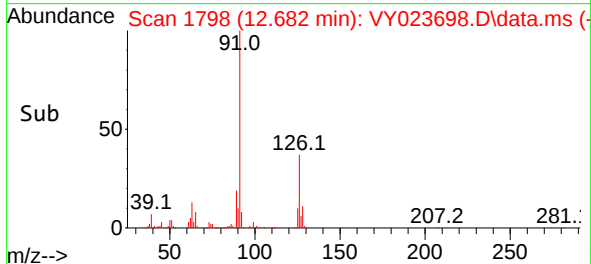
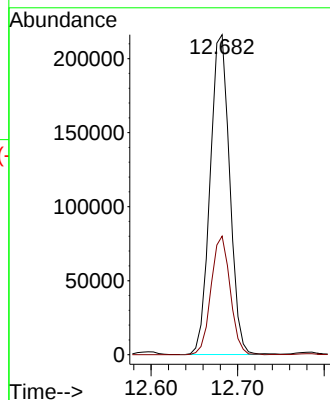
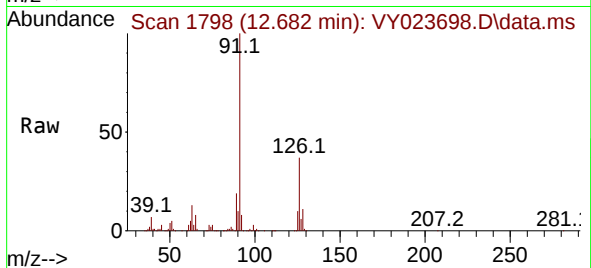
HW1025-PT-VOA-SOILDL

Tgt Ion: 91 Resp: 339099

Ion Ratio Lower Upper

91 100

126 36.2 18.0 54.0



#81

trans-1,4-Dichloro-2-butene

Concen: 111.466 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

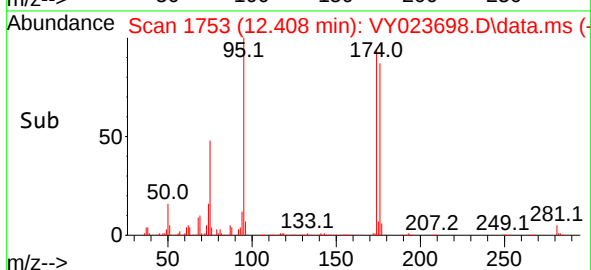
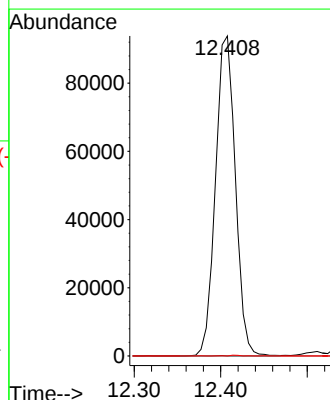
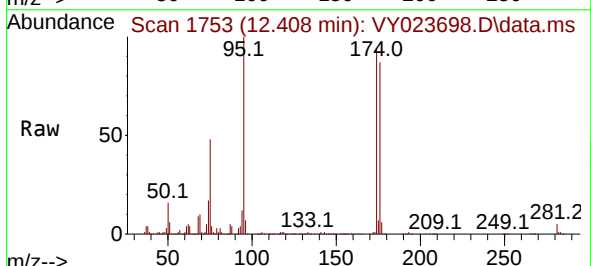
Tgt Ion: 75 Resp: 149521

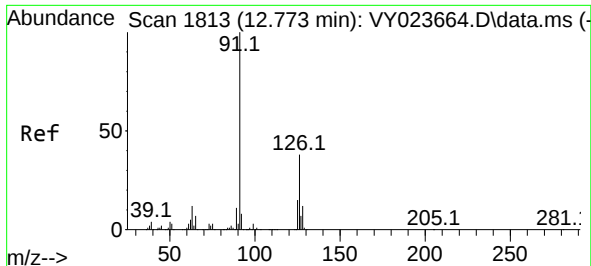
Ion Ratio Lower Upper

75 100

53 0.0 69.6 104.4#

89 0.1 38.2 57.4#

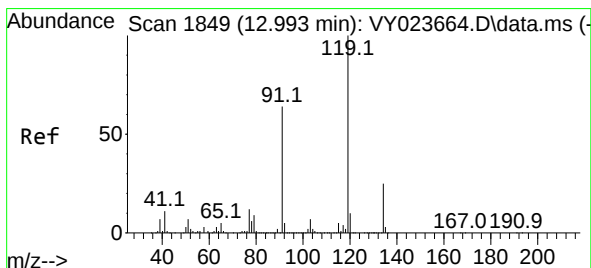
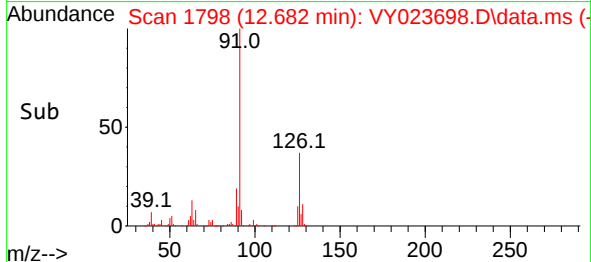
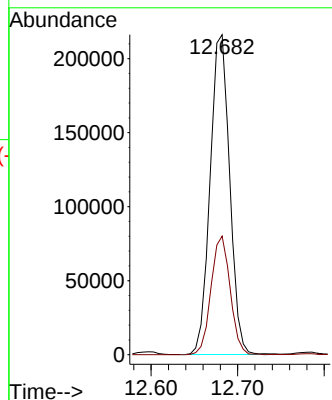
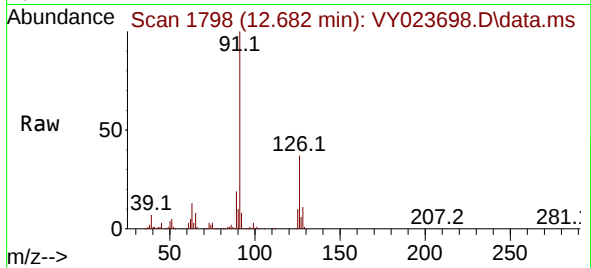




#82
4-Chlorotoluene
Concen: 19.229 ug/l
RT: 12.682 min Scan# 11
Delta R.T. -0.091 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

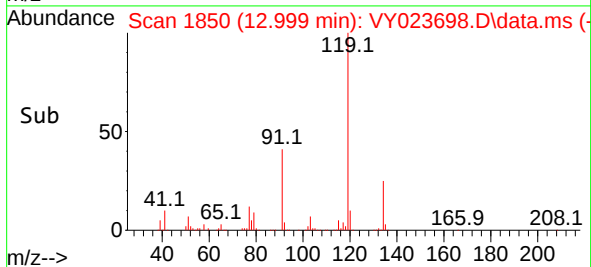
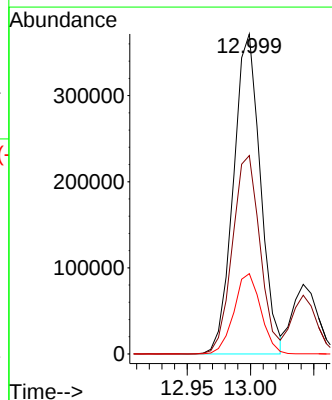
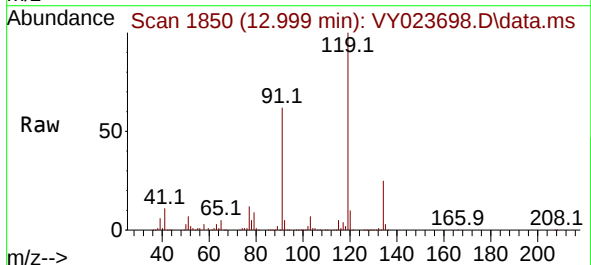
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILDL

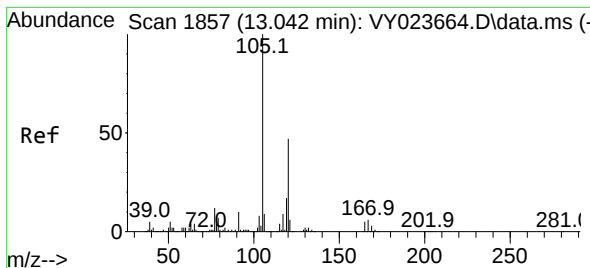
Tgt Ion: 91 Resp: 339099
Ion Ratio Lower Upper
91 100
126 36.2 18.1 54.4



#83
tert-Butylbenzene
Concen: 29.792 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 119 Resp: 552302
Ion Ratio Lower Upper
119 100
91 63.6 30.7 92.1
134 25.0 13.1 39.1





#84

1,2,4-Trimethylbenzene

Concen: 46.448 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

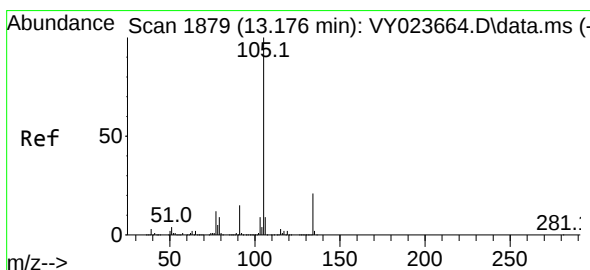
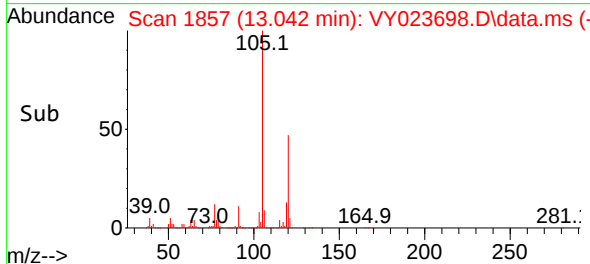
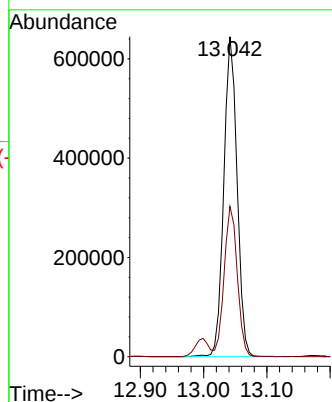
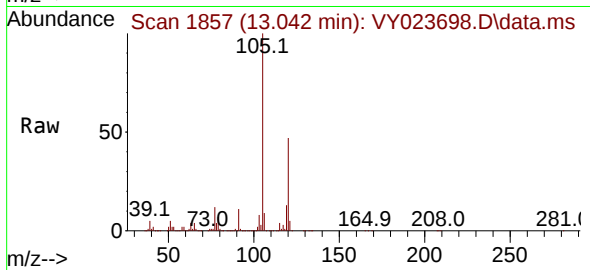
HW1025-PT-VOA-SOILD

Tgt Ion:105 Resp: 936427

Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.325 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.116 min

Lab File: VY023698.D

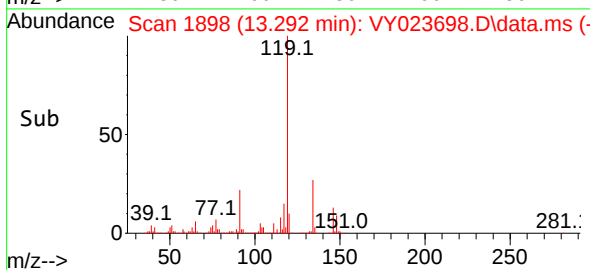
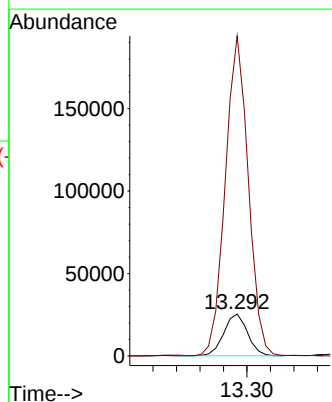
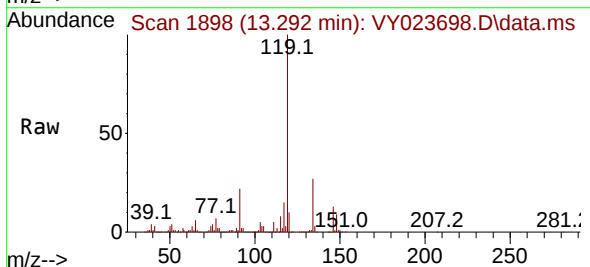
Acq: 06 Nov 2025 11:40

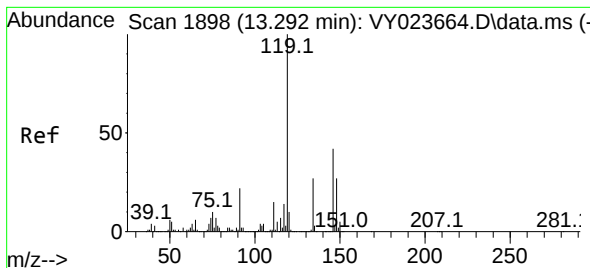
Tgt Ion:105 Resp: 35437

Ion Ratio Lower Upper

105 100

134 748.2 10.4 31.4#





#86

p-Isopropyltoluene

Concen: 43.712 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

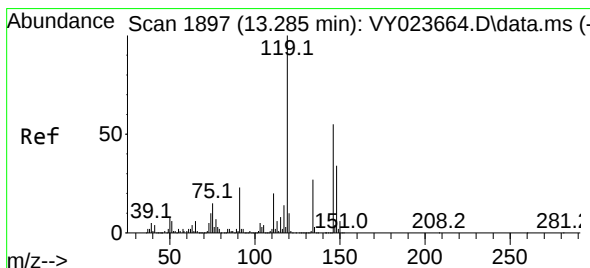
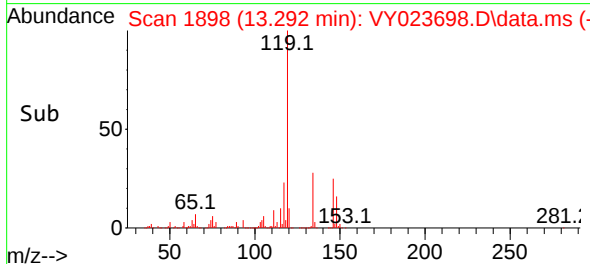
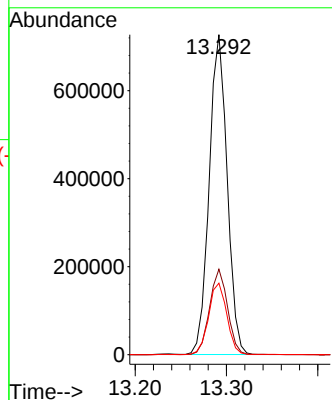
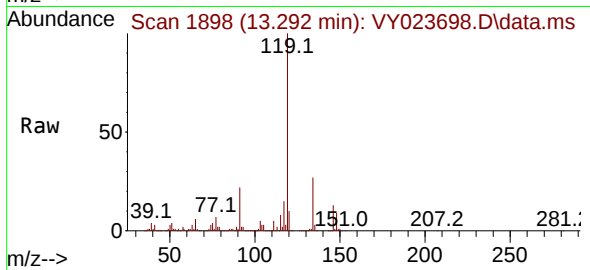
Tgt Ion:119 Resp: 989472

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.7 11.1 33.1



#87

1,3-Dichlorobenzene

Concen: 12.377 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

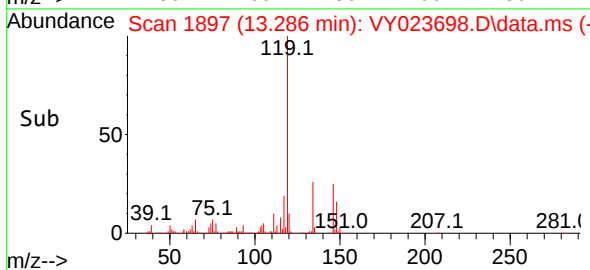
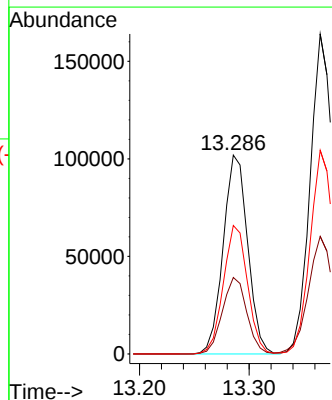
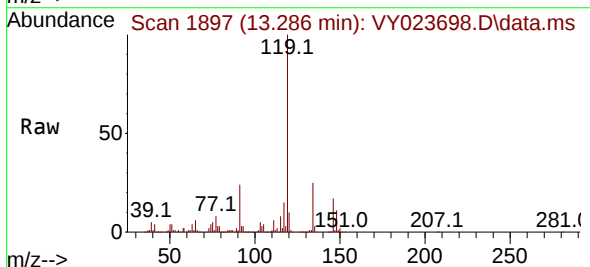
Tgt Ion:146 Resp: 158311

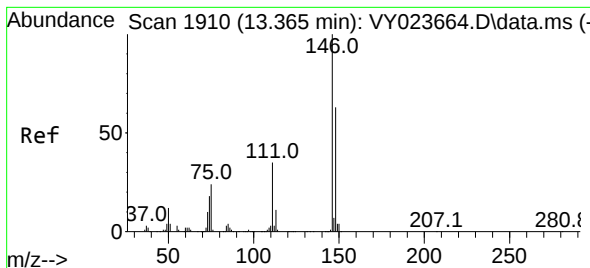
Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.3

148 63.6 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 19.542 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023698.D

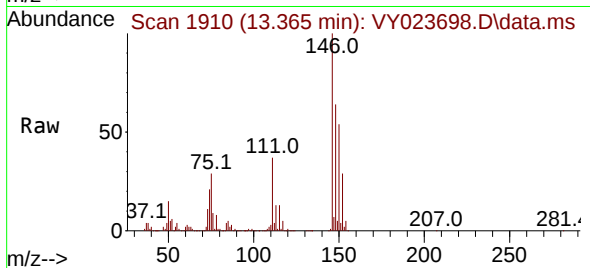
Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD



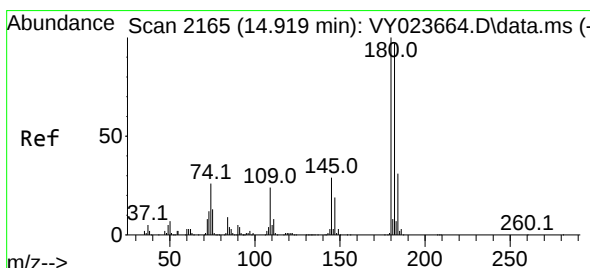
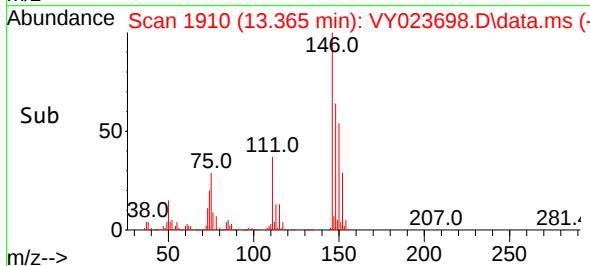
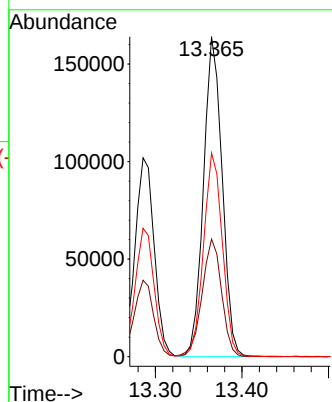
Tgt Ion:146 Resp: 245531

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.8

148 64.2 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 33.041 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

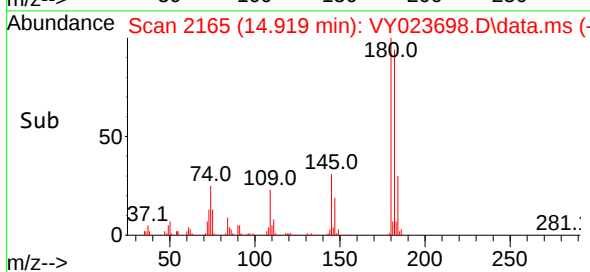
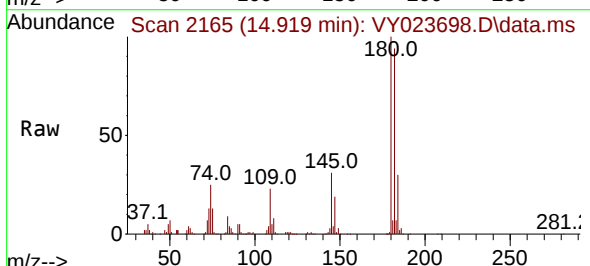
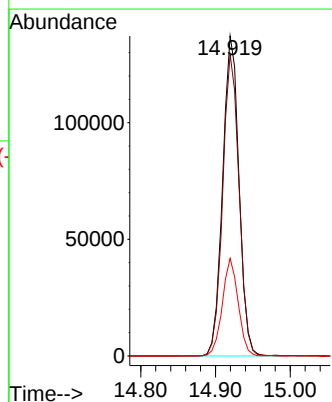
Tgt Ion:180 Resp: 208316

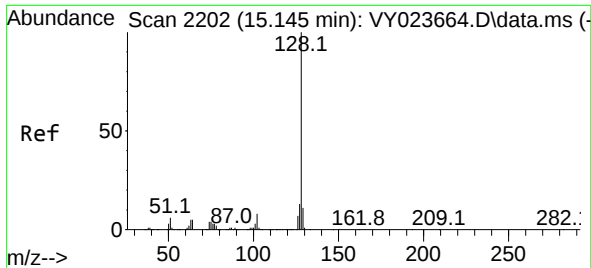
Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.6

145 29.6 14.4 43.4





#95
Naphthalene
Concen: 15.660 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILDL

Tgt Ion:128 Resp: 128093
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 10.8 8.8 13.2

