

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023696.D
 Acq On : 06 Nov 2025 10:44
 Operator : SY/MD
 Sample : Q3483-23
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 07 04:14:29 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	531680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	813455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	703875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	354034	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	228076	50.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.580%	
35) Dibromofluoromethane	7.640	113	248488	48.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.760%	
50) Toluene-d8	10.109	98	949946	50.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.407	95	297087	48.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.020%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.835	59	7178	24.545	ug/l #	74
12) 1,1-Dichloroethene	3.793	96	481777	101.419	ug/l	95
13) Acrolein	3.677	56	424	1.128	ug/l #	14
15) Acrylonitrile	5.116	53	10745	11.714	ug/l #	27
16) Acetone	3.866	43	356834	316.528	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	910067	82.619	ug/l	99
20) Methylene Chloride	4.616	84	15875	2.917	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	339439	63.374	ug/l	96
25) 2-Butanone	6.890	43	171952	131.925	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	354504	57.952	ug/l	92
28) Bromochloromethane	7.420	49	42655	12.979	ug/l #	2
30) Chloroform	7.420	83	589811	61.590	ug/l	100
31) Cyclohexane	7.713	56	10647	1.424	ug/l #	5
37) Ethyl Acetate	6.890	43	171952	65.389	ug/l #	1
38) Carbon Tetrachloride	7.823	117	525907	65.709	ug/l	99
40) Benzene	8.079	78	2041641	95.351	ug/l	100
42) 1,2-Dichloroethane	8.158	62	1014816	187.335	ug/l	98
44) Trichloroethene	8.865	130	732269	119.069	ug/l	98
53) t-1,3-Dichloropropene	10.395	75	1013918	162.321	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	1382853	184.780	ug/l	98
59) 2-Hexanone	10.761	43	675252	352.236	ug/l	100
60) Dibromochloromethane	10.645	129	464560	86.407	ug/l #	11
61) 1,2-Dibromoethane	11.017	107	99431	27.076	ug/l	98
64) Tetrachloroethene	10.645	164	521687	71.208	ug/l	97
65) Chlorobenzene	11.444	112	350689	22.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	354860	65.491	ug/l	99
67) Ethyl Benzene	11.517	91	567291	22.874	ug/l	97
68) m/p-Xylenes	11.627	106	1922231	193.996	ug/l	99
69) o-Xylene	11.956	106	1812923	197.930	ug/l	98
70) Styrene	11.968	104	1730175	114.486	ug/l	92
71) Bromoform	12.133	173	343729	108.617	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	610157	161.343	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	410876	143.400	ug/l #	100
78) n-propylbenzene	12.682	91	1468830	52.737	ug/l #	51
79) 2-Chlorotoluene	12.682	91	1468830	90.881	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.407	75	147859	116.623	ug/l #	15

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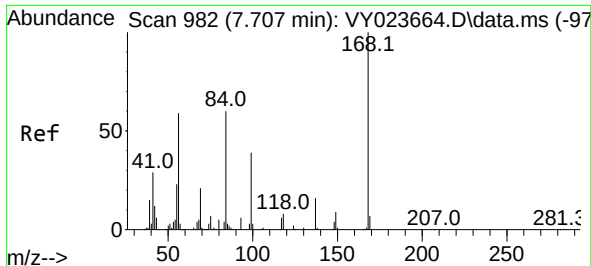
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

Quant Time: Nov 07 04:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

82) 4-Chlorotoluene	12.682	91	1468830	88.123	ug/l	99
83) tert-Butylbenzene	12.999	119	2478715	141.463	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	3851184	202.108	ug/l	100
85) sec-Butylbenzene	13.291	105	152602	6.038	ug/l #	1
86) p-Isopropyltoluene	13.291	119	4278014	199.958	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	650411	53.803	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	967739	81.494	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	609	1.046	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.919	180	950793	159.556	ug/l	99
95) Naphthalene	15.145	128	646088	60.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	8736	1.755	ug/l	92

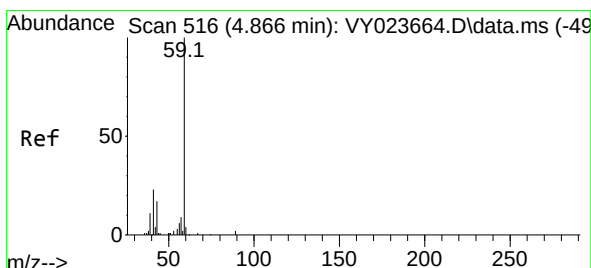
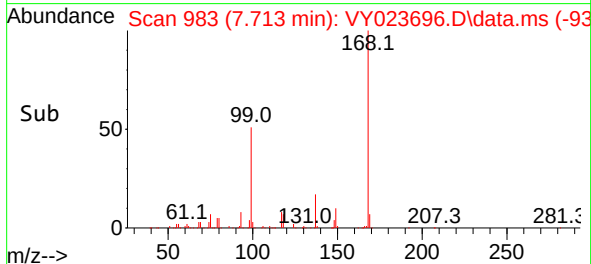
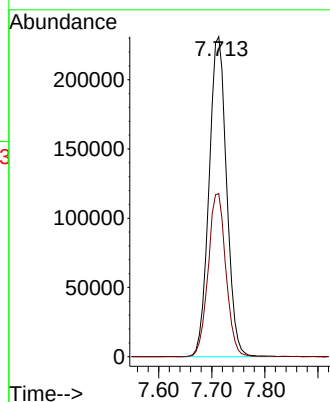
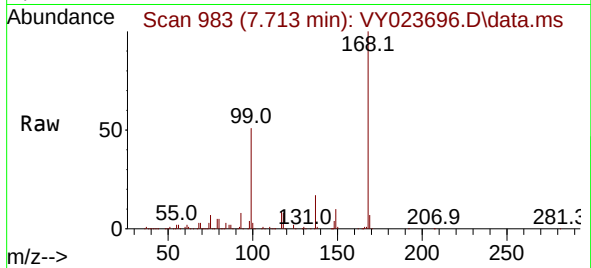
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

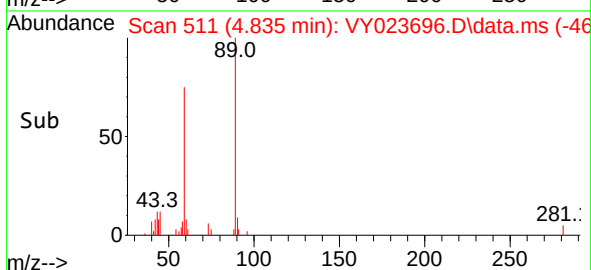
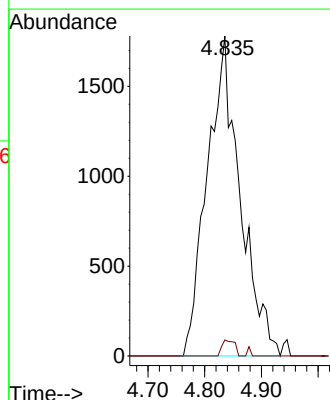
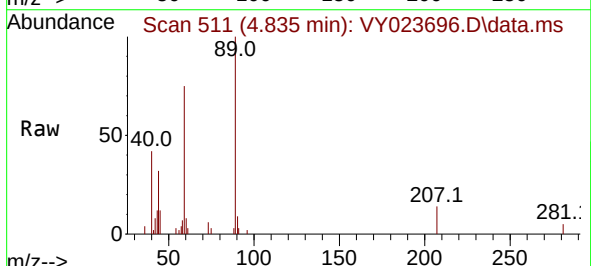
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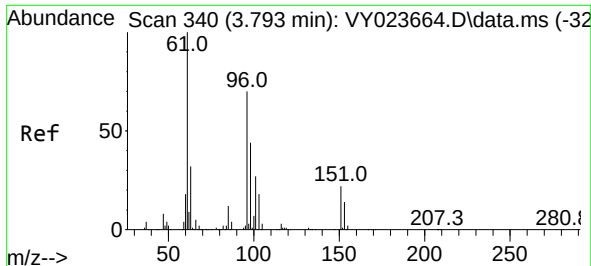
Tgt Ion:168 Resp: 531680
Ion Ratio Lower Upper
168 100
99 51.0 41.0 61.4



#11
Tert butyl alcohol
Concen: 24.545 ug/l
RT: 4.835 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 59 Resp: 7178
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 101.419 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

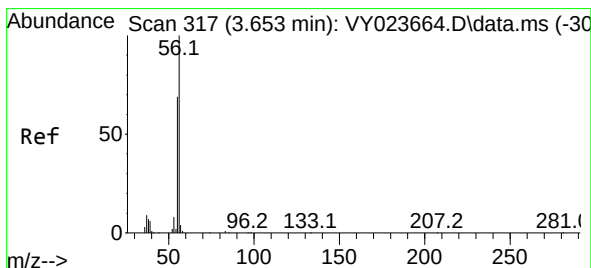
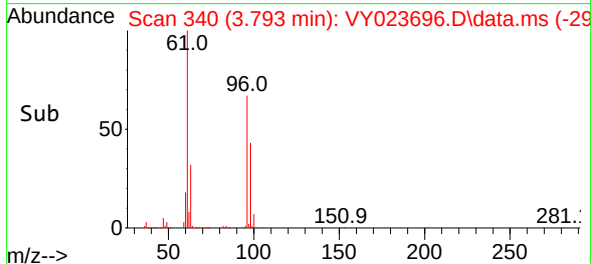
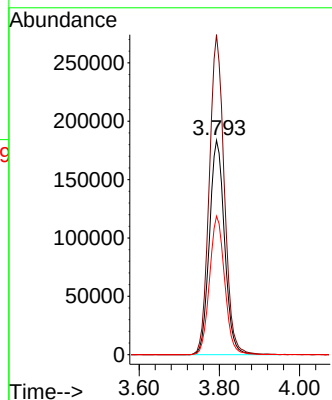
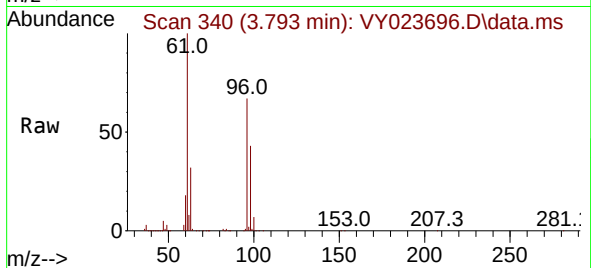
Tgt Ion: 96 Resp: 481777

Ion Ratio Lower Upper

96 100

61 149.2 114.0 171.0

98 64.6 50.2 75.2



#13

Acrolein

Concen: 1.128 ug/l

RT: 3.677 min Scan# 321

Delta R.T. 0.024 min

Lab File: VY023696.D

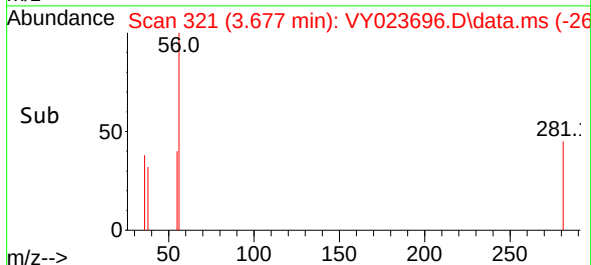
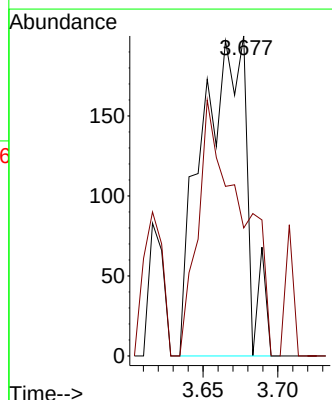
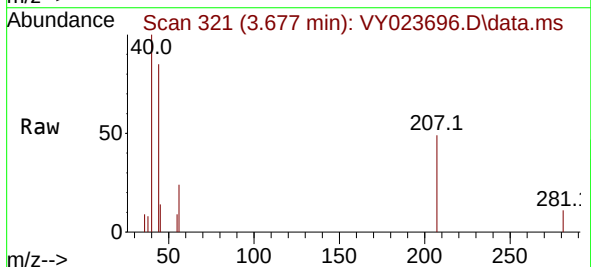
Acq: 06 Nov 2025 10:44

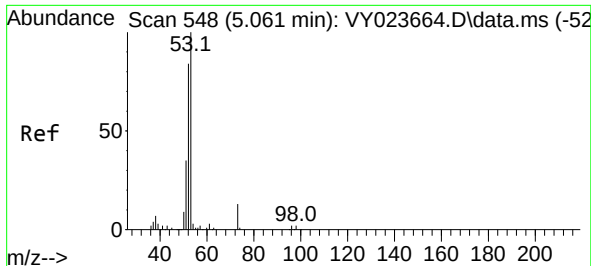
Tgt Ion: 56 Resp: 424

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

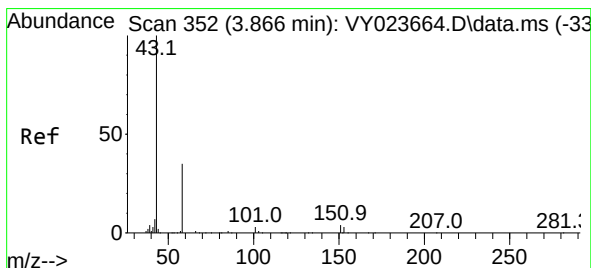
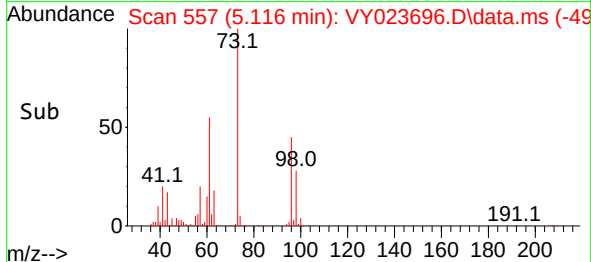
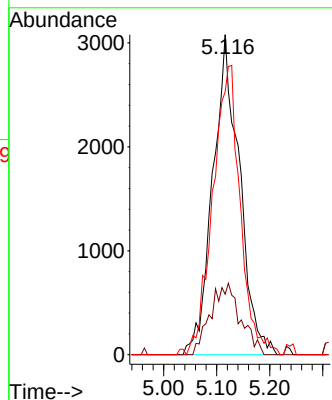
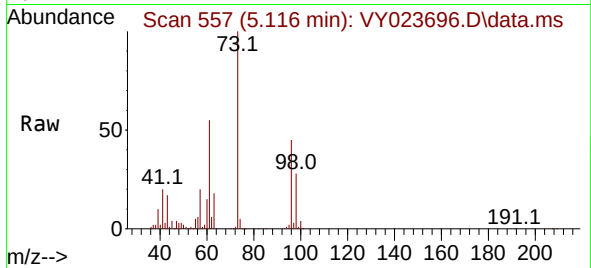




#15
Acrylonitrile
Concen: 11.714 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.055 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

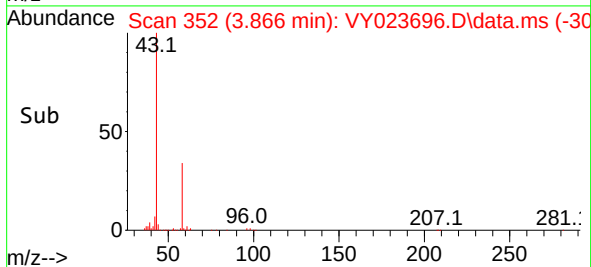
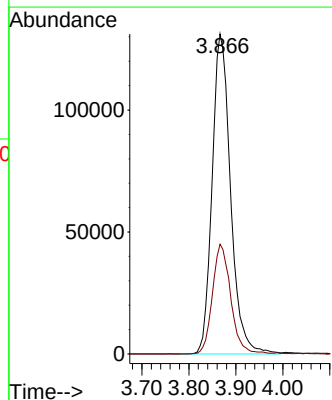
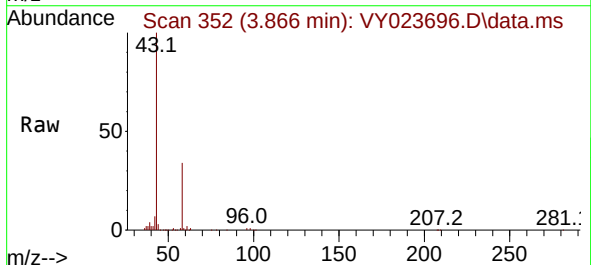
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HW1025-PT-VOA-SOIL

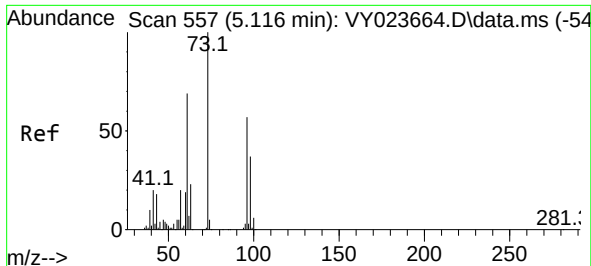
Tgt Ion: 53 Resp: 10745
Ion Ratio Lower Upper
53 100
52 25.2 64.9 97.3#
51 92.8 29.4 44.0#



#16
Acetone
Concen: 316.528 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 43 Resp: 356834
Ion Ratio Lower Upper
43 100
58 34.3 28.2 42.4

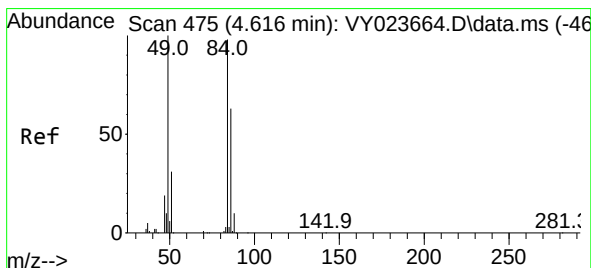
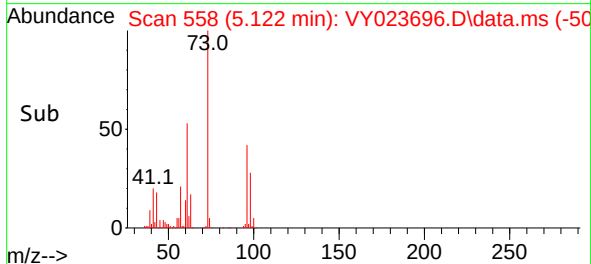
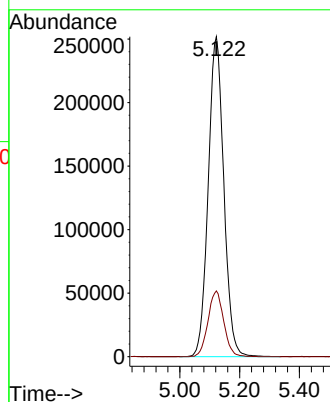
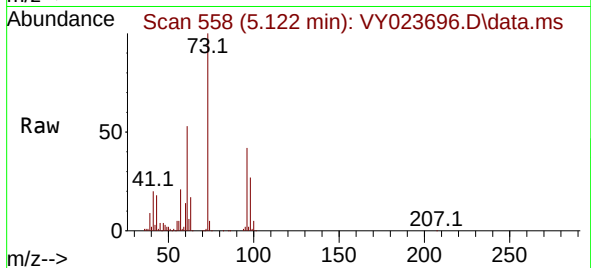




#19
Methyl tert-butyl Ether
Concen: 82.619 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

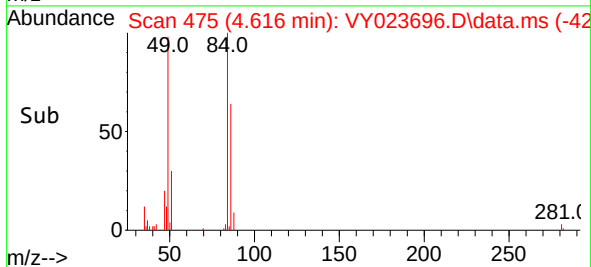
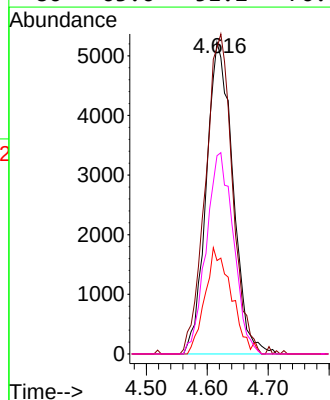
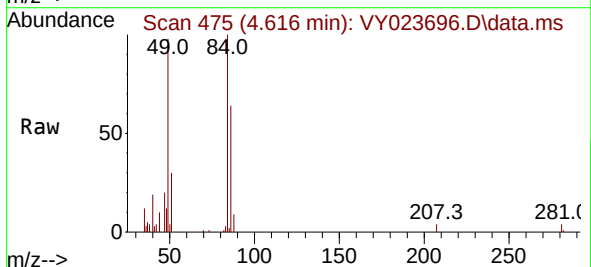
Instrument :
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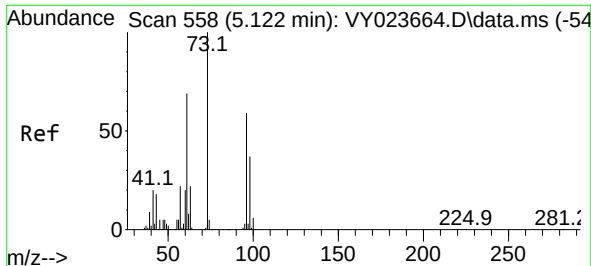
Tgt Ion: 73 Resp: 910067
Ion Ratio Lower Upper
73 100
57 20.6 16.1 24.1



#20
Methylene Chloride
Concen: 2.917 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 84 Resp: 15875
Ion Ratio Lower Upper
84 100
49 98.2 81.5 122.3
51 30.0 25.5 38.3
86 63.6 51.2 76.8

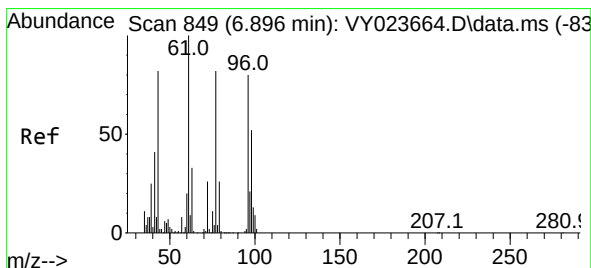
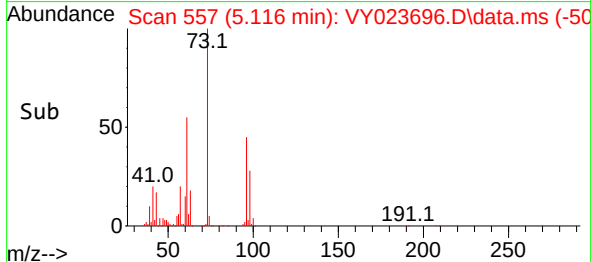
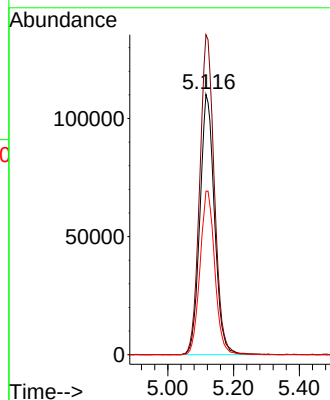
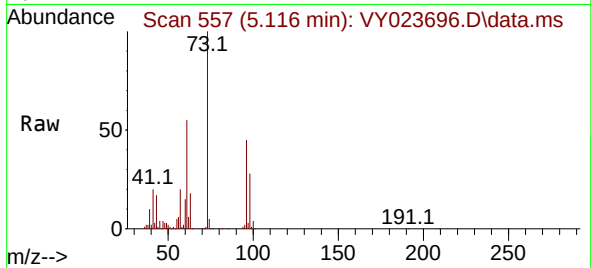




#21
trans-1,2-Dichloroethene
Concen: 63.374 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

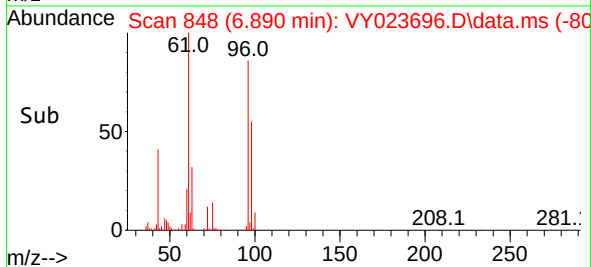
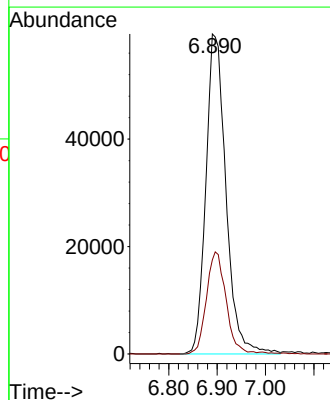
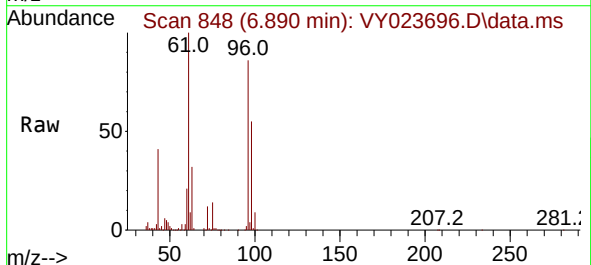
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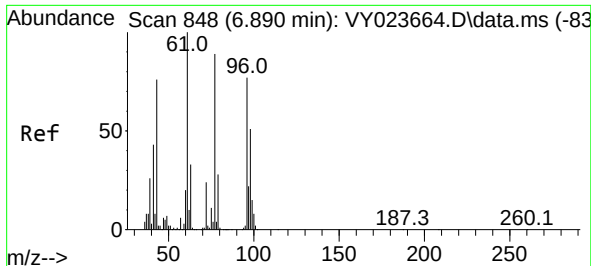
Tgt Ion: 96 Resp: 339439
Ion Ratio Lower Upper
96 100
61 122.9 93.3 139.9
98 62.8 50.6 75.8



#25
2-Butanone
Concen: 131.925 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 43 Resp: 171952
Ion Ratio Lower Upper
43 100
72 29.4 25.7 38.5

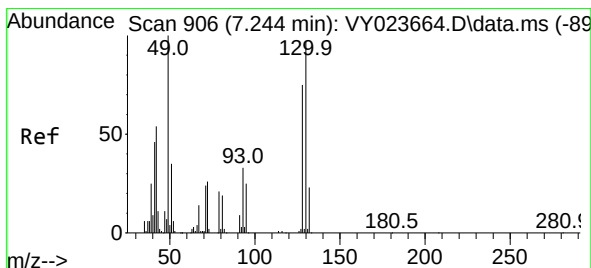
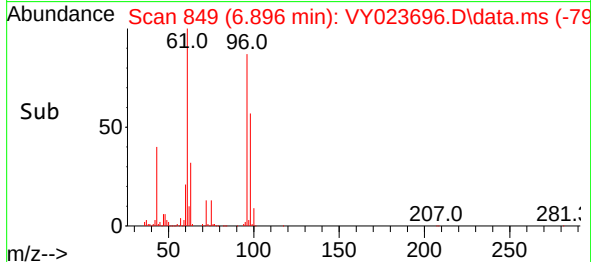
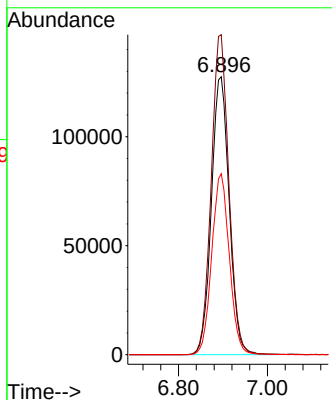
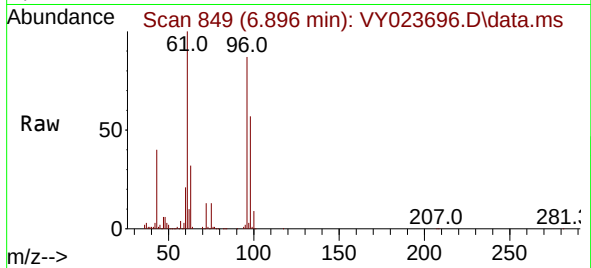




#27
 cis-1,2-Dichloroethene
 Concen: 57.952 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

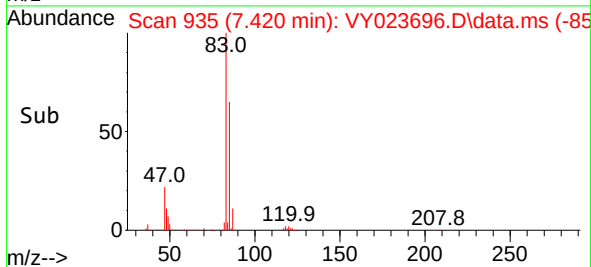
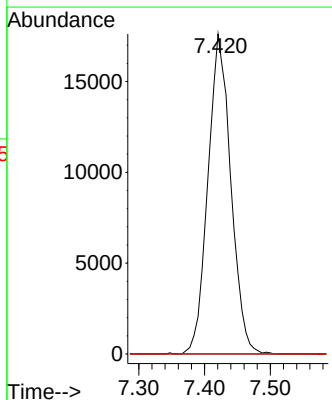
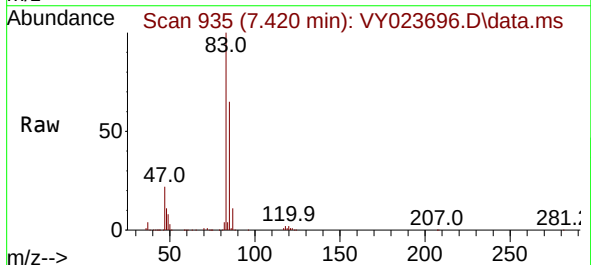
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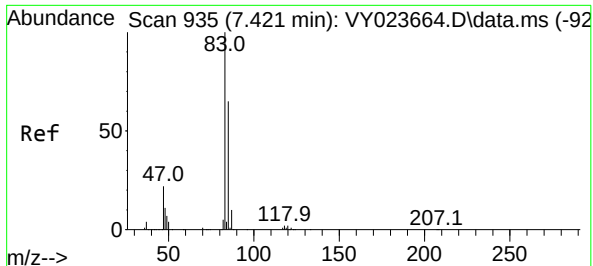
Tgt Ion: 96 Resp: 354504
 Ion Ratio Lower Upper
 96 100
 61 114.1 0.0 255.0
 98 64.3 0.0 129.8



#28
 Bromochloromethane
 Concen: 12.979 ug/l
 RT: 7.420 min Scan# 935
 Delta R.T. 0.177 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion: 49 Resp: 42655
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.0
 130 0.0 80.1 120.1#





#30

Chloroform

Concen: 61.590 ug/l

RT: 7.420 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

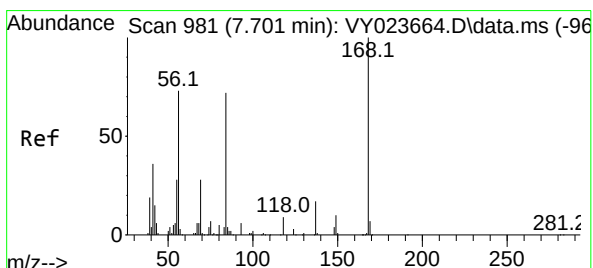
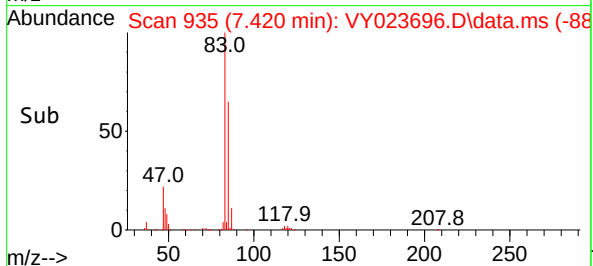
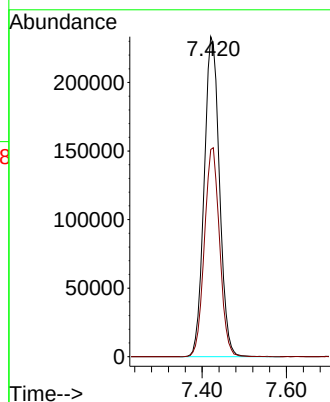
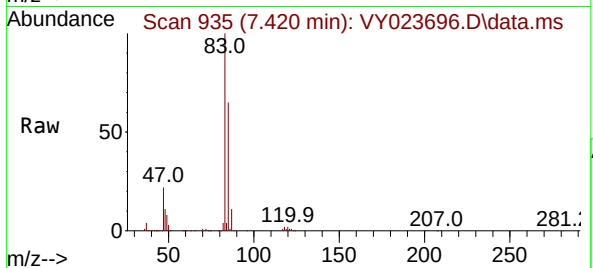
HW1025-PT-VOA-SOIL

Tgt Ion: 83 Resp: 589811

Ion Ratio Lower Upper

83 100

85 64.7 52.1 78.1



#31

Cyclohexane

Concen: 1.424 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

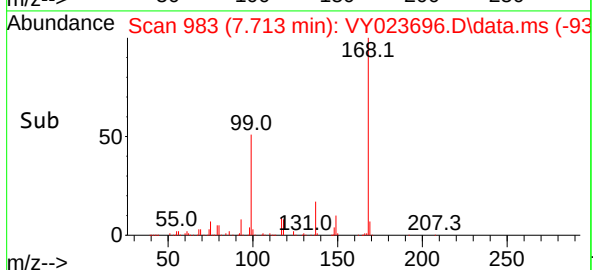
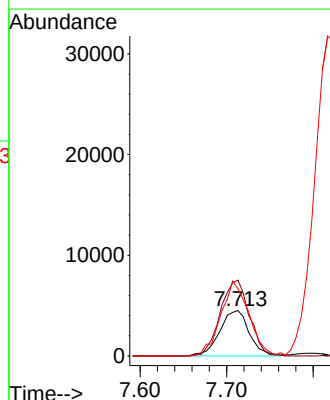
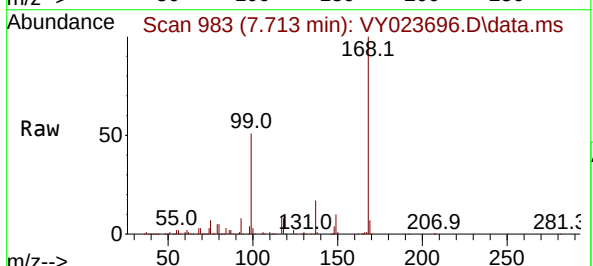
Tgt Ion: 56 Resp: 10647

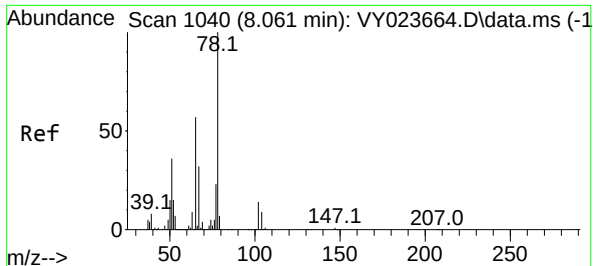
Ion Ratio Lower Upper

56 100

69 166.7 30.5 45.7#

84 147.7 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 50.289 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

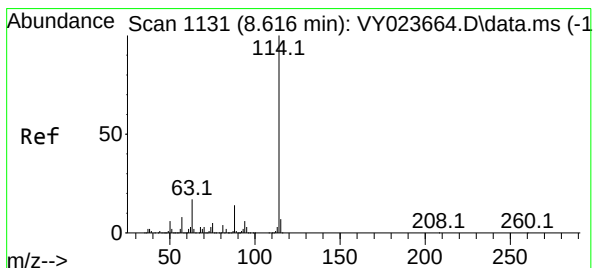
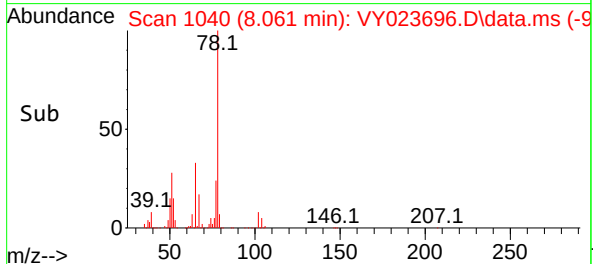
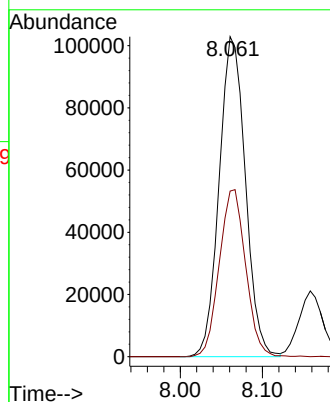
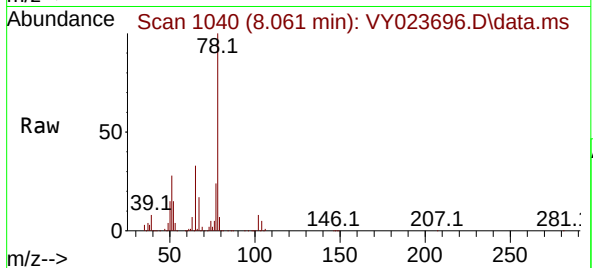
HW1025-PT-VOA-SOIL

Tgt Ion: 65 Resp: 228076

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

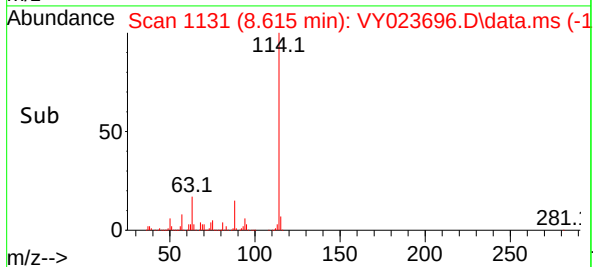
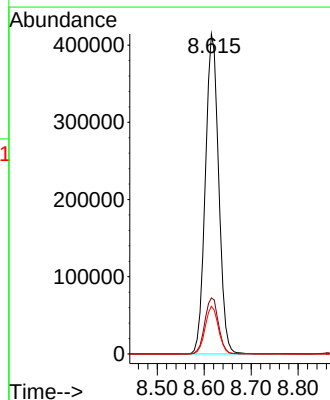
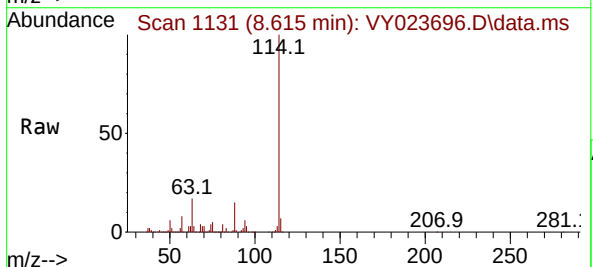
Tgt Ion: 114 Resp: 813455

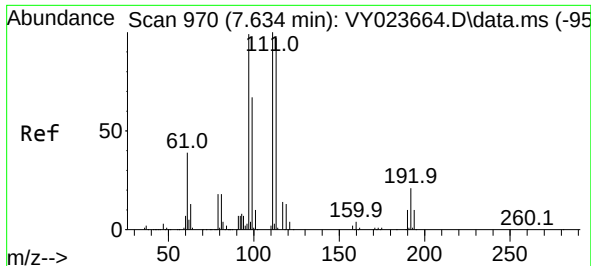
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.9 0.0 29.0

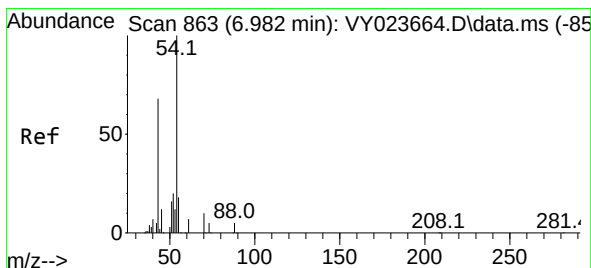
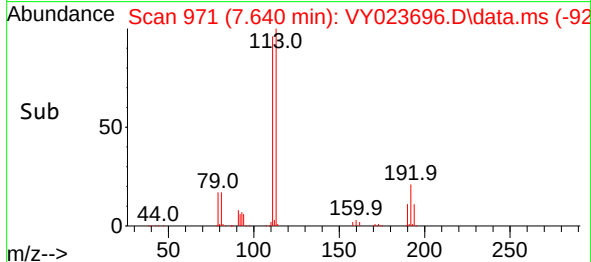
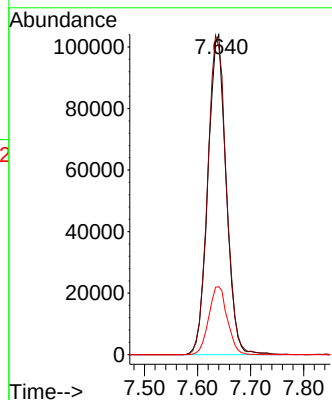
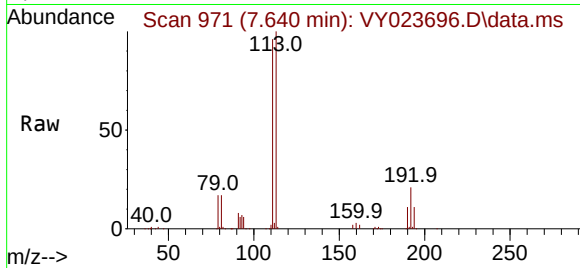




#35
Dibromofluoromethane
Concen: 48.881 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

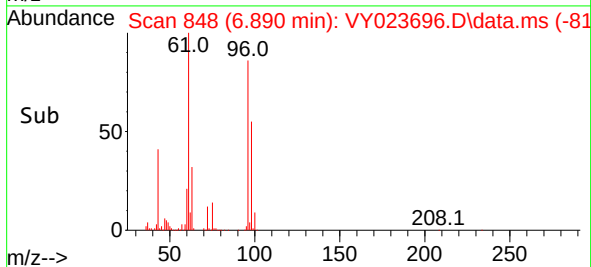
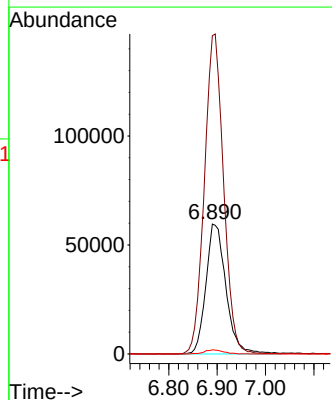
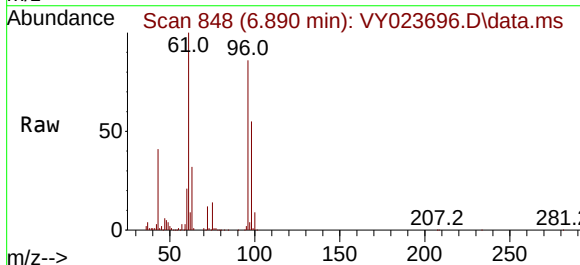
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

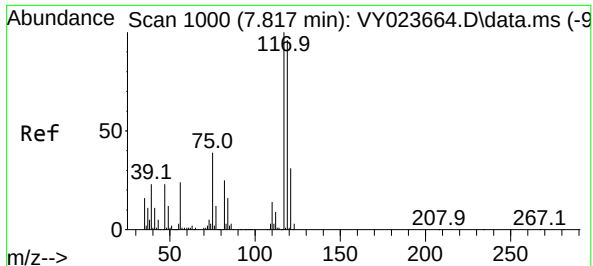
Tgt Ion:113 Resp: 248488
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 21.6 17.3 25.9



#37
Ethyl Acetate
Concen: 65.389 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.092 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 43 Resp: 171952
Ion Ratio Lower Upper
43 100
61 235.3 12.4 18.6#
70 3.0 9.8 14.8#

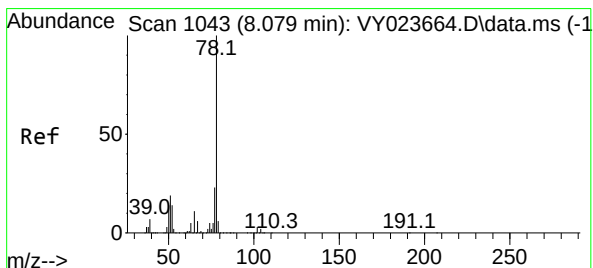
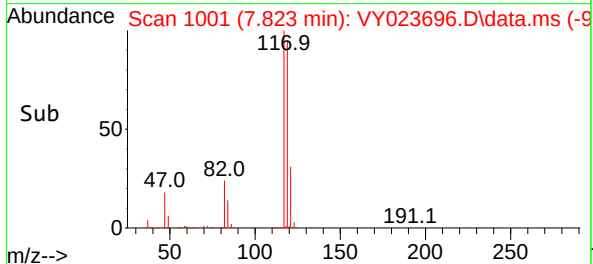
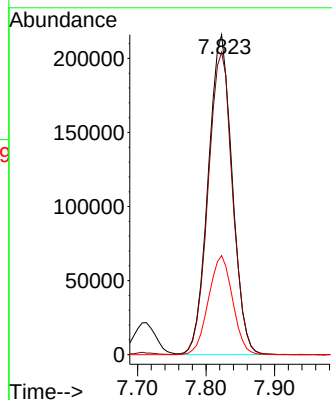
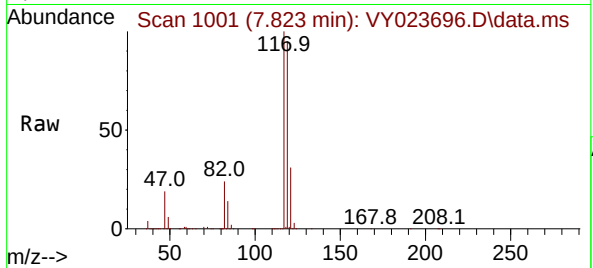




#38
Carbon Tetrachloride
Concen: 65.709 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

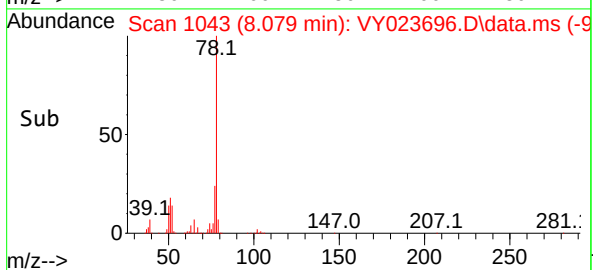
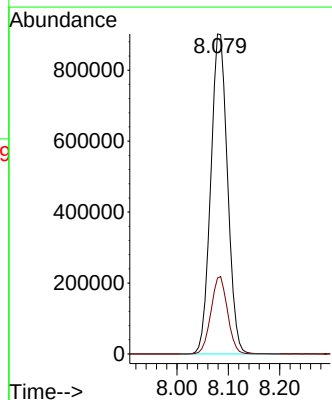
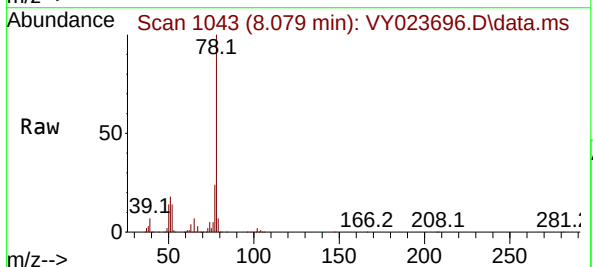
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

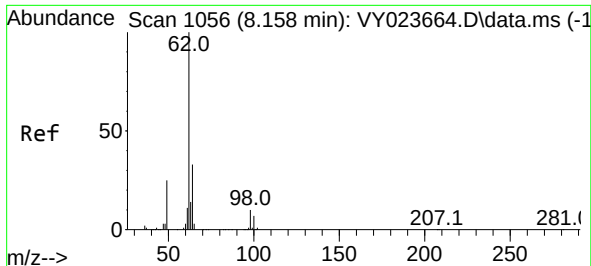
Tgt Ion:117 Resp: 525907
Ion Ratio Lower Upper
117 100
119 94.5 76.3 114.5
121 31.0 24.8 37.2



#40
Benzene
Concen: 95.351 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 78 Resp: 2041641
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#42

1,2-Dichloroethane

Concen: 187.335 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

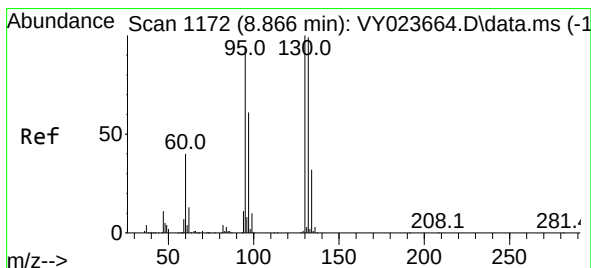
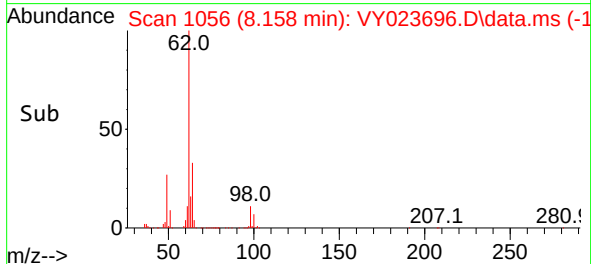
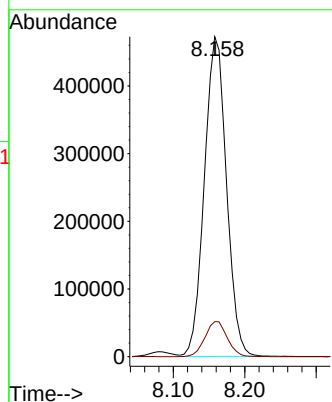
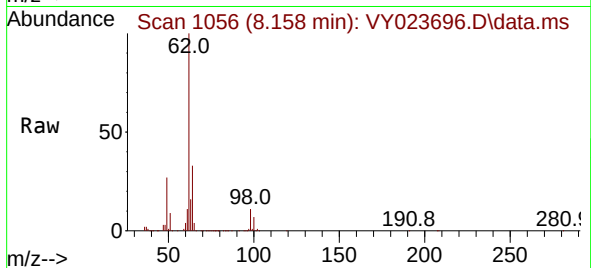
HW1025-PT-VOA-SOIL

Tgt Ion: 62 Resp: 1014816

Ion Ratio Lower Upper

62 100

98 11.1 0.0 21.0



#44

Trichloroethene

Concen: 119.069 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY023696.D

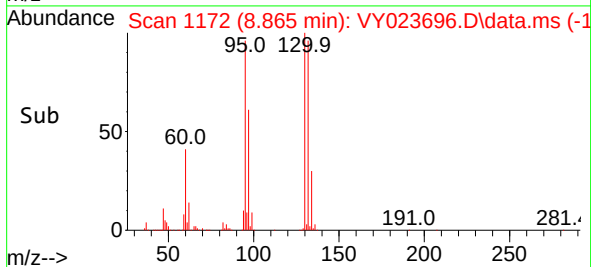
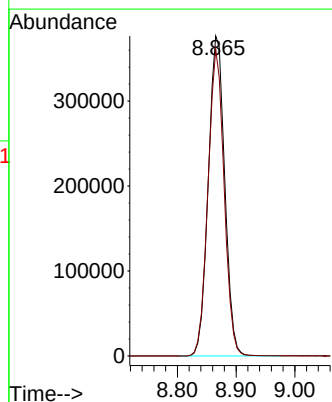
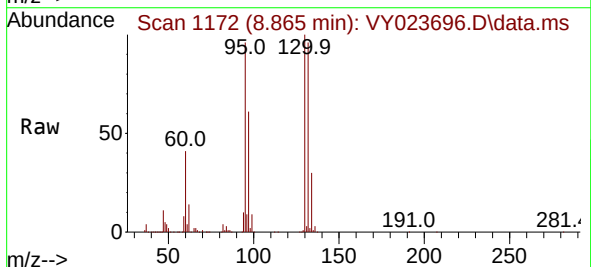
Acq: 06 Nov 2025 10:44

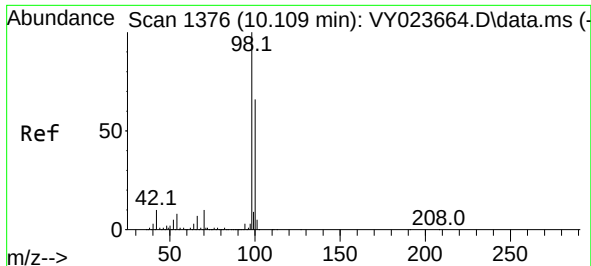
Tgt Ion:130 Resp: 732269

Ion Ratio Lower Upper

130 100

95 95.7 0.0 187.0

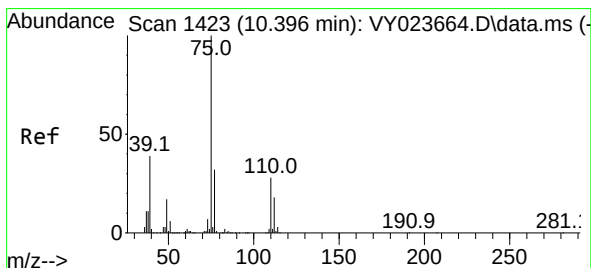
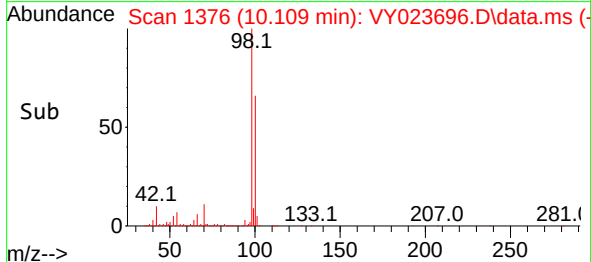
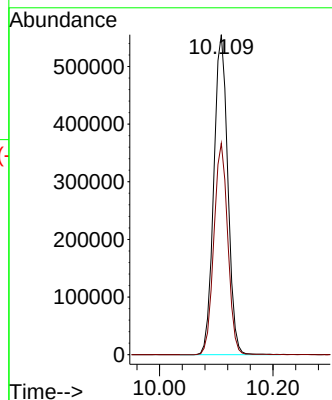
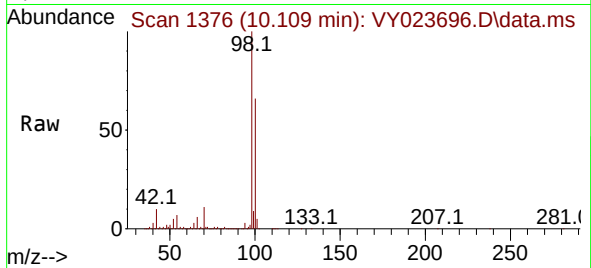




#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

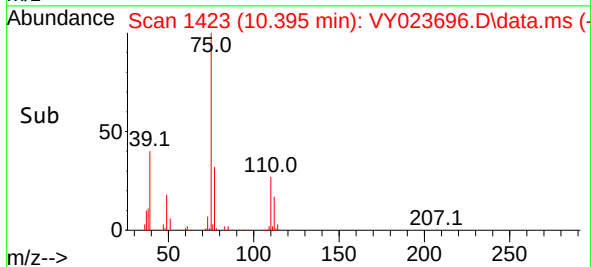
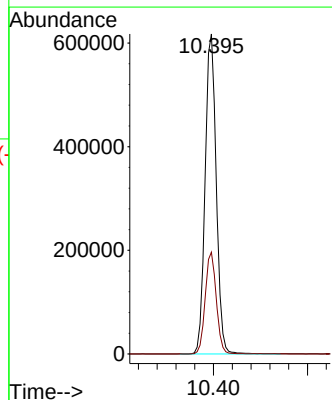
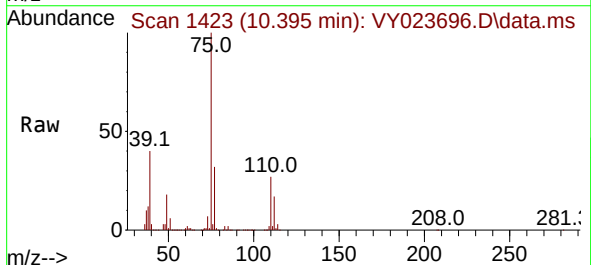
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

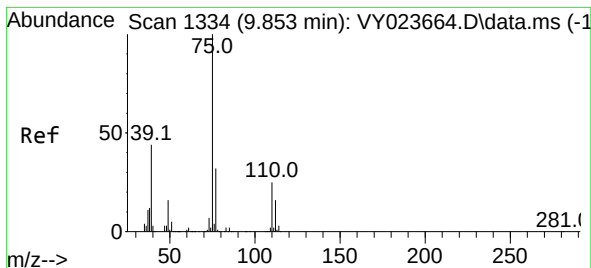
Tgt Ion: 98 Resp: 949946
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#53
t-1,3-Dichloropropene
Concen: 162.321 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 75 Resp: 1013918
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4





#54

cis-1,3-Dichloropropene

Concen: 184.780 ug/l

RT: 9.859 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

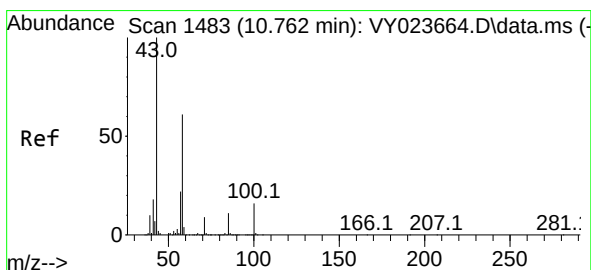
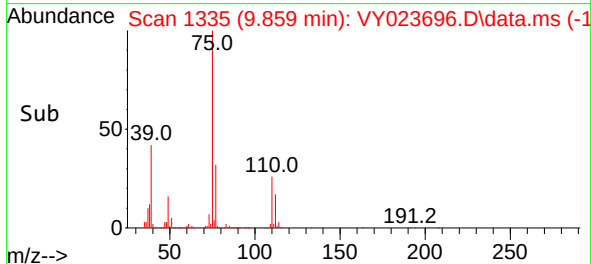
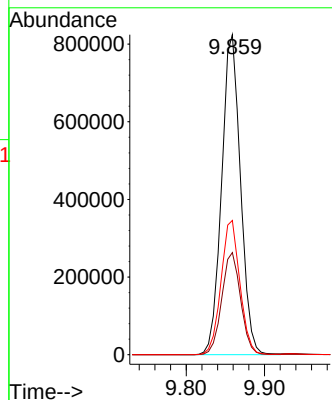
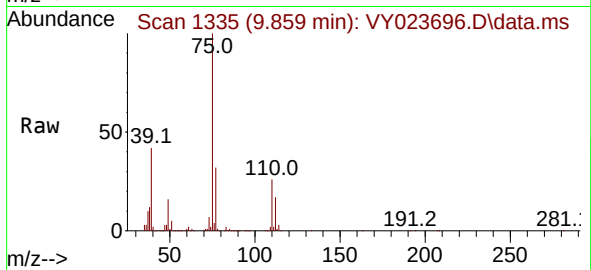
Tgt Ion: 75 Resp: 1382853

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 41.9 34.9 52.3



#59

2-Hexanone

Concen: 352.236 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY023696.D

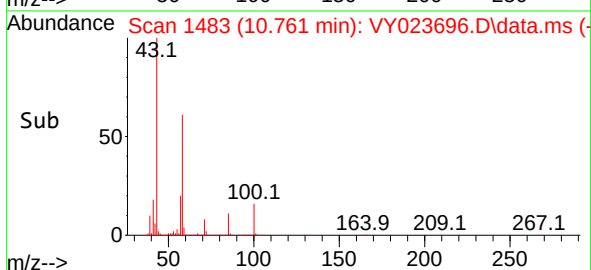
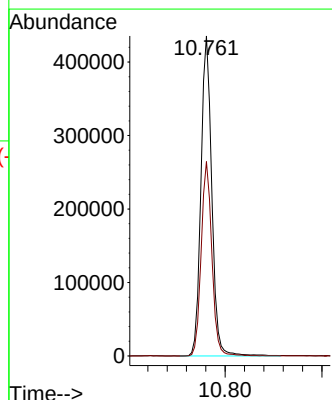
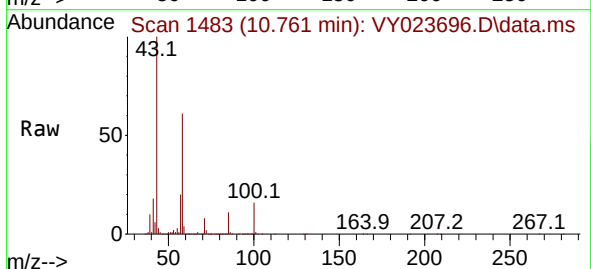
Acq: 06 Nov 2025 10:44

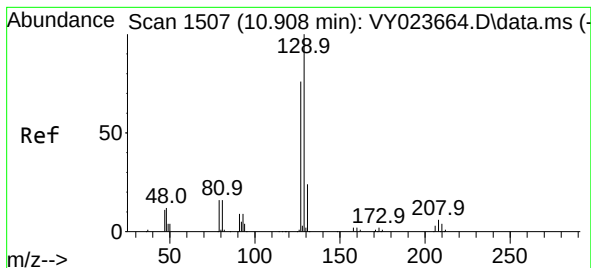
Tgt Ion: 43 Resp: 675252

Ion Ratio Lower Upper

43 100

58 60.1 30.2 90.6

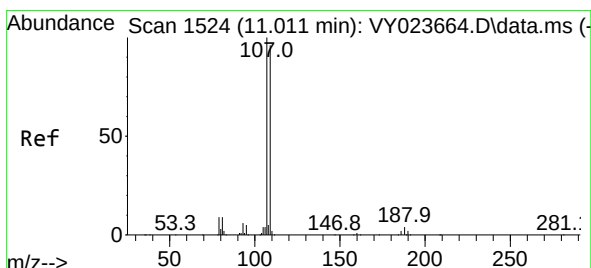
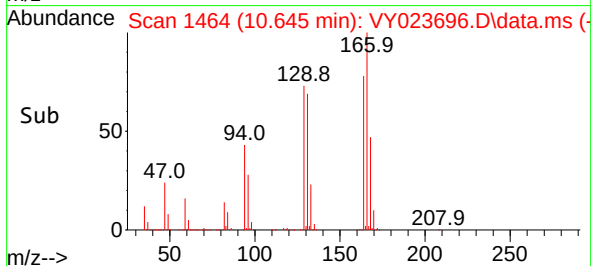
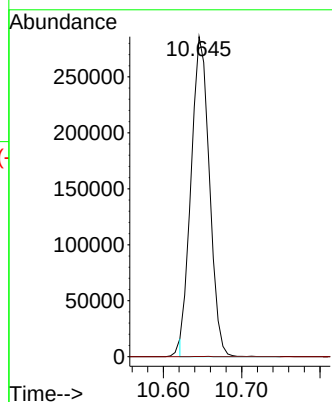
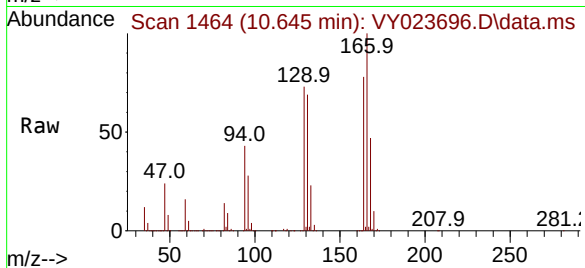




#60
Dibromochloromethane
Concen: 86.407 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.262 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

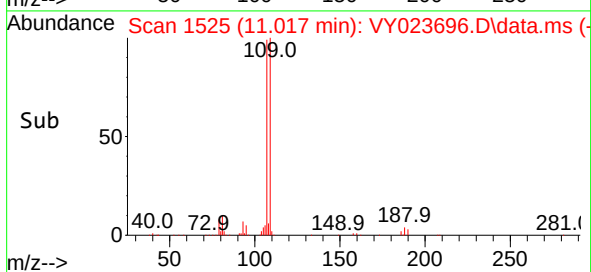
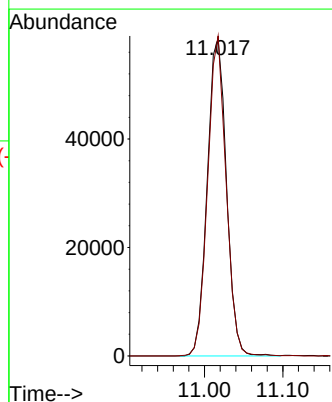
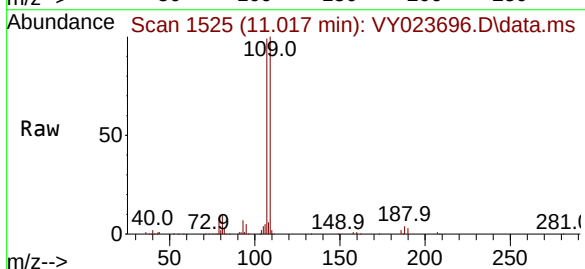
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

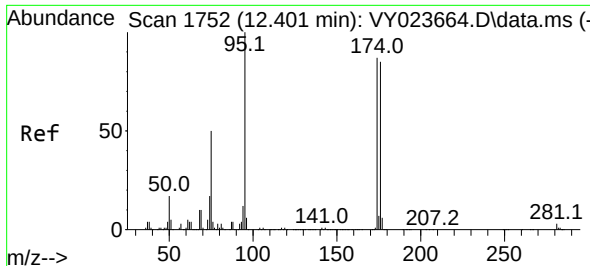
Tgt Ion:129 Resp: 464560
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#61
1,2-Dibromoethane
Concen: 27.076 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:107 Resp: 99431
Ion Ratio Lower Upper
107 100
109 96.8 76.2 114.4

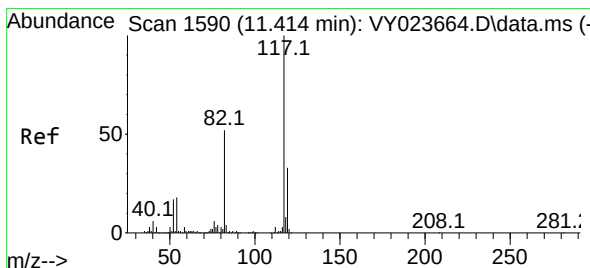
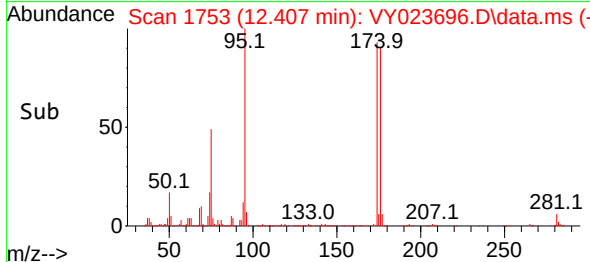
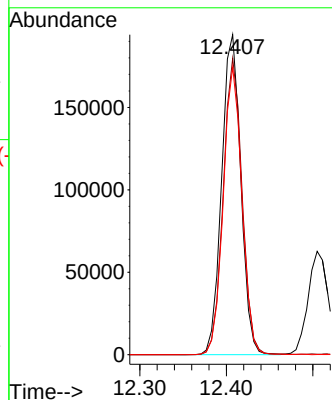
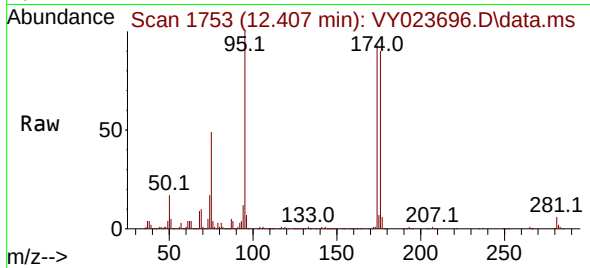




#62
4-Bromofluorobenzene
Concen: 48.513 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

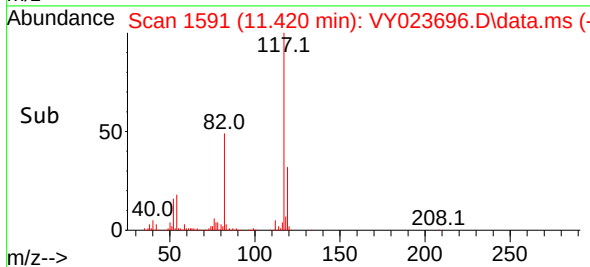
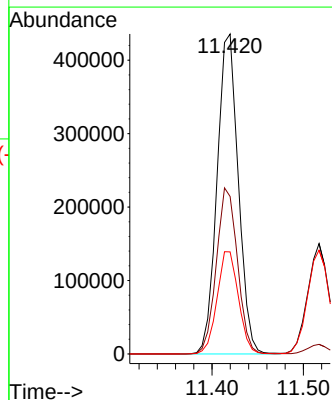
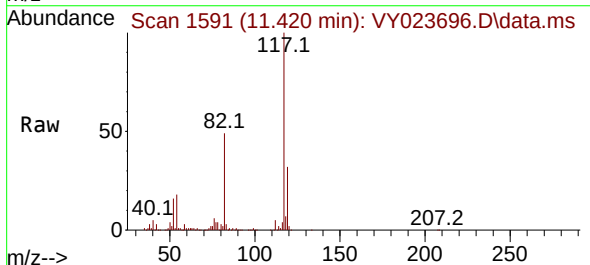
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

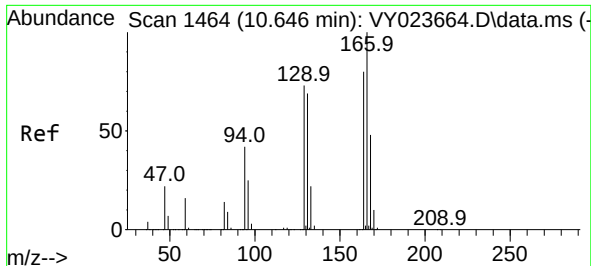
Tgt Ion: 95 Resp: 297087
Ion Ratio Lower Upper
95 100
174 91.7 0.0 184.8
176 88.1 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 117 Resp: 703875
Ion Ratio Lower Upper
117 100
82 49.2 41.2 61.8
119 31.9 26.2 39.2

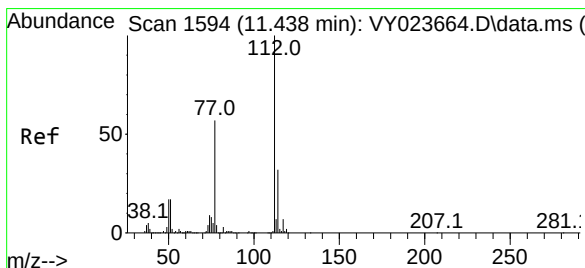
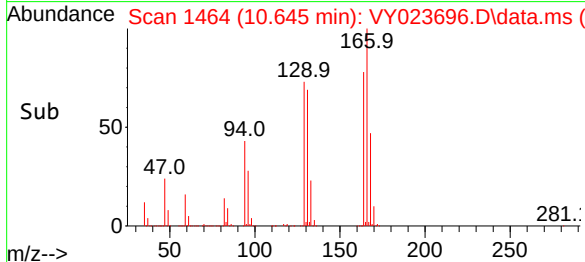
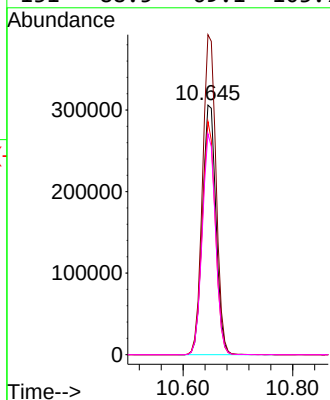
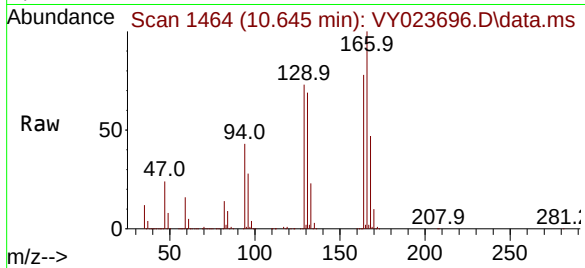




#64
Tetrachloroethene
Concen: 71.208 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

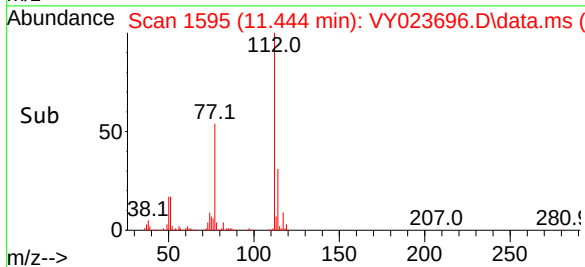
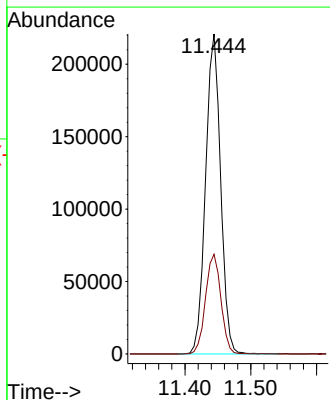
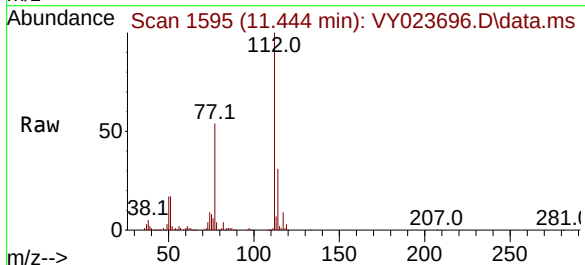
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

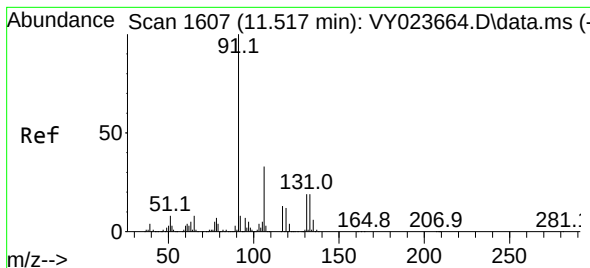
Tgt Ion:164 Resp: 521687
Ion Ratio Lower Upper
164 100
166 128.2 99.5 149.3
129 93.4 72.3 108.5
131 88.5 69.1 103.7



#65
Chlorobenzene
Concen: 22.886 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:112 Resp: 350689
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6

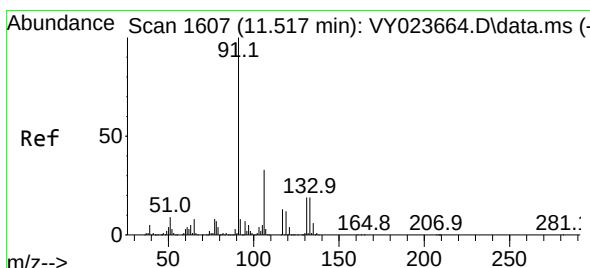
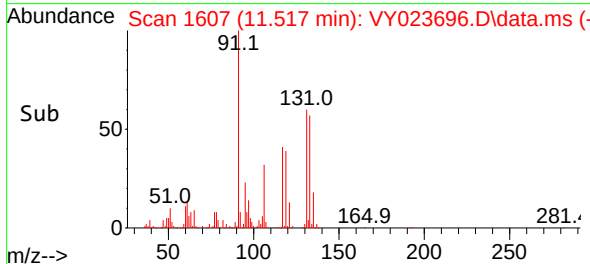
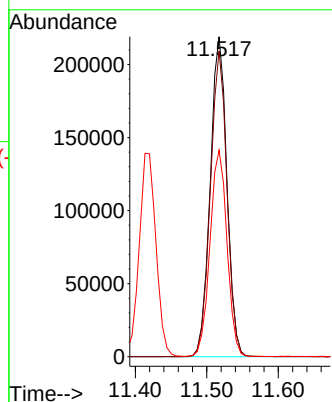
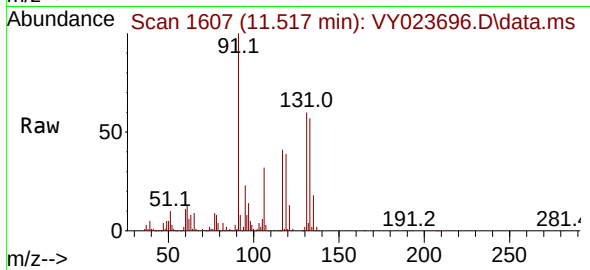




#66
1,1,1,2-Tetrachloroethane
Concen: 65.491 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

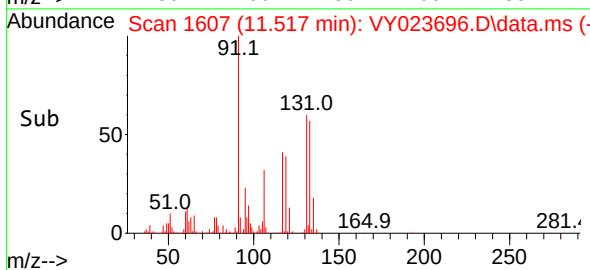
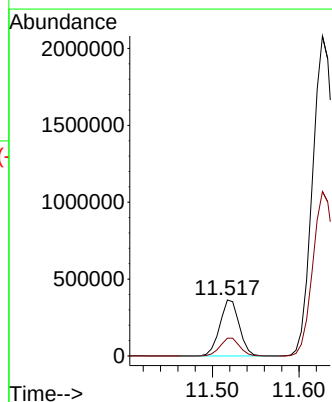
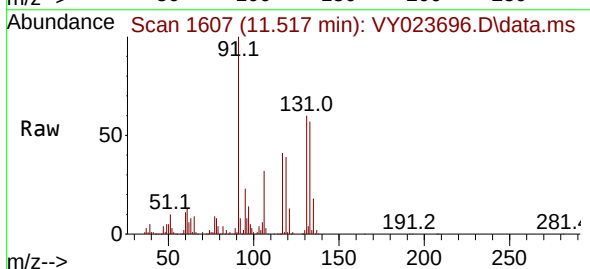
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

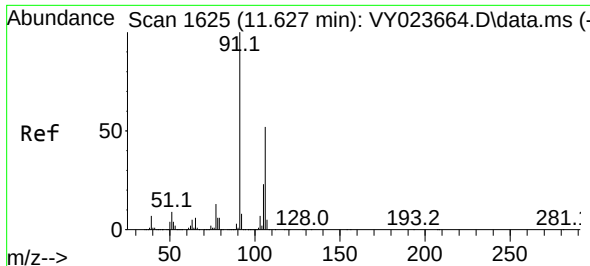
Tgt Ion:131 Resp: 354860
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 65.8 32.5 97.4



#67
Ethyl Benzene
Concen: 22.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 91 Resp: 567291
Ion Ratio Lower Upper
91 100
106 31.9 26.6 40.0

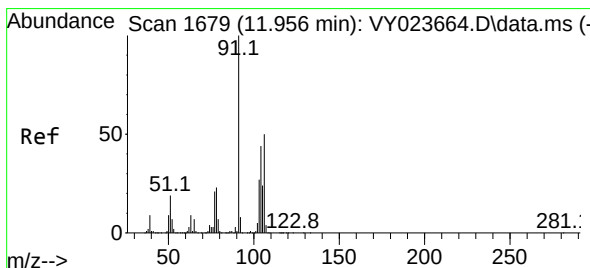
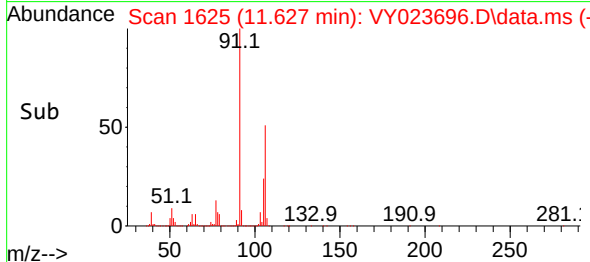
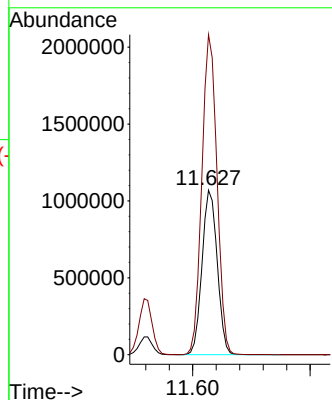
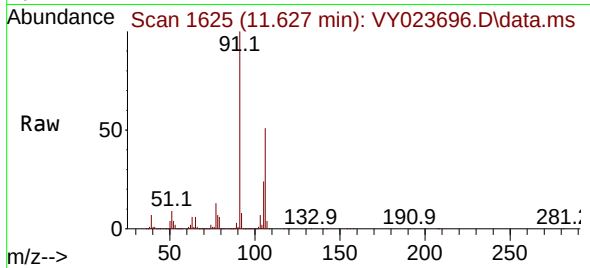




#68
m/p-Xylenes
Concen: 193.996 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

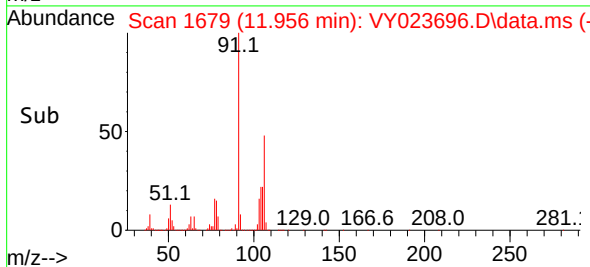
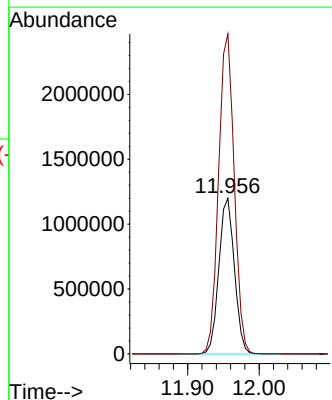
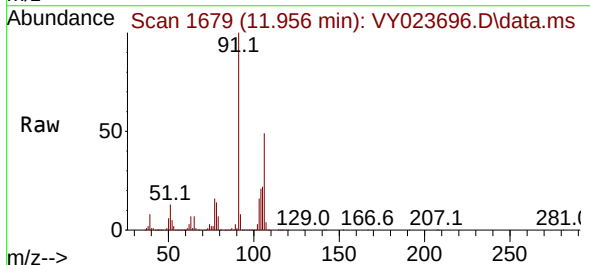
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

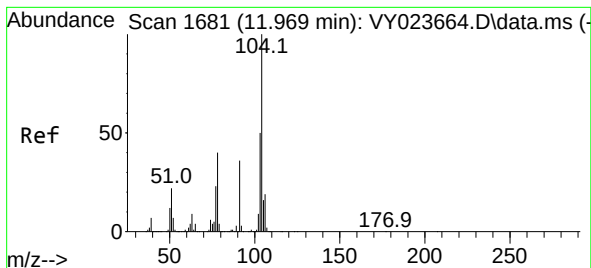
Tgt Ion:106 Resp: 1922231
Ion Ratio Lower Upper
106 100
91 194.0 154.3 231.5



#69
o-Xylene
Concen: 197.930 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:106 Resp: 1812923
Ion Ratio Lower Upper
106 100
91 206.5 101.6 304.6





#70

Styrene

Concen: 114.486 ug/l

RT: 11.968 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

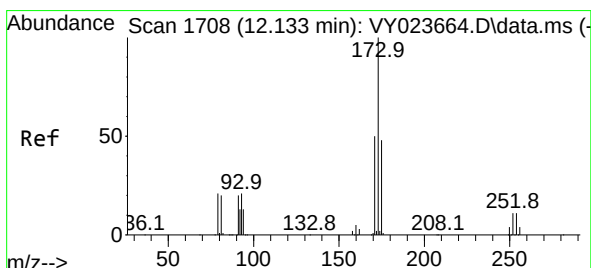
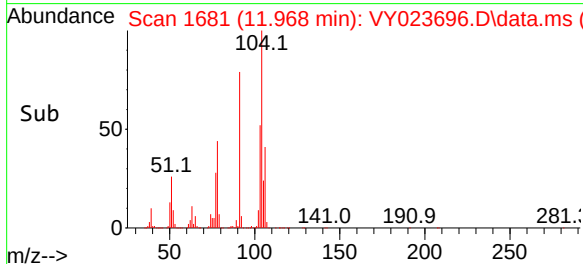
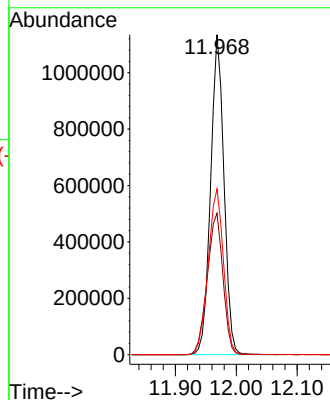
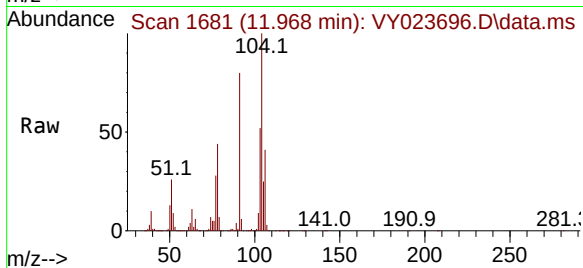
Tgt Ion:104 Resp: 1730175

Ion Ratio Lower Upper

104 100

78 51.9 36.5 54.7

103 59.4 43.7 65.5



#71

Bromoform

Concen: 108.617 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

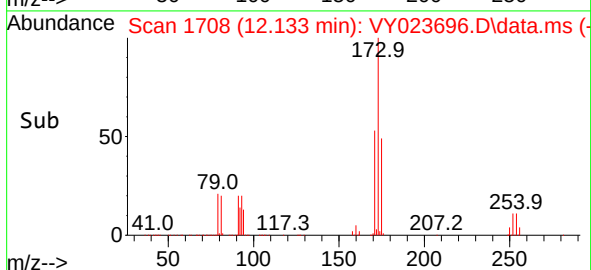
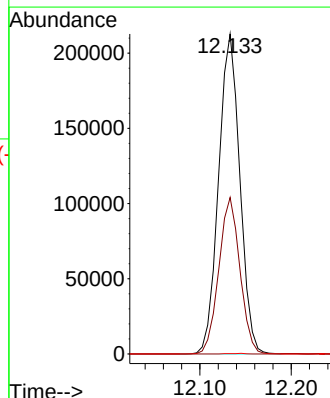
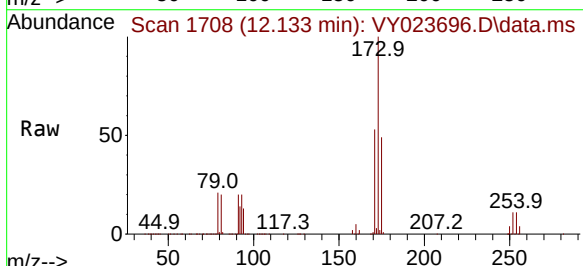
Tgt Ion:173 Resp: 343729

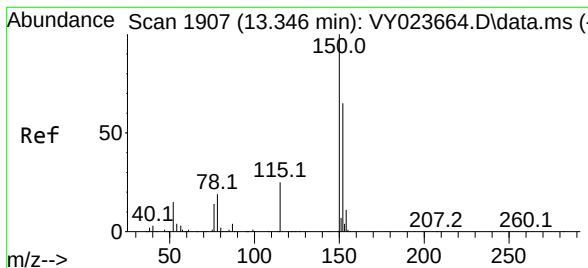
Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

254 0.1 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

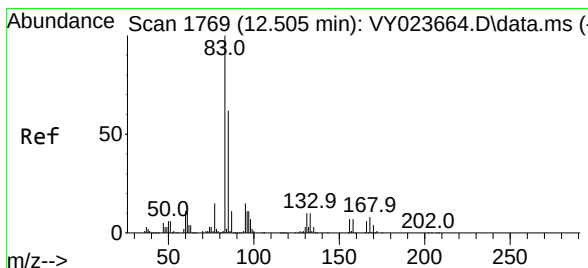
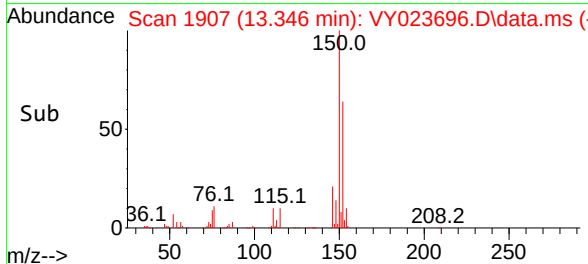
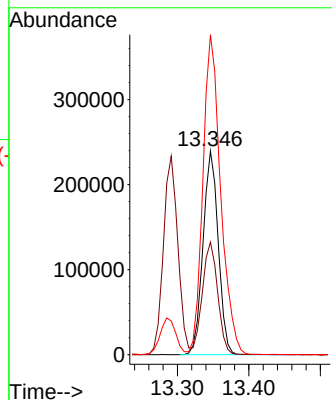
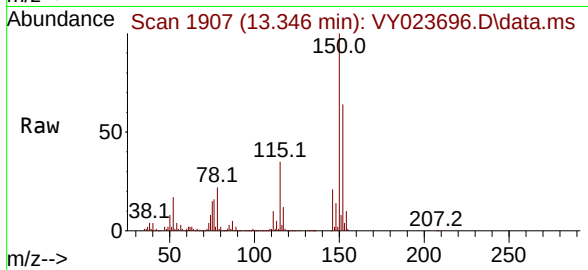
Tgt Ion:152 Resp: 354034

Ion Ratio Lower Upper

152 100

115 55.7 27.5 82.5

150 183.0 0.0 349.0



#75

1,1,2,2-Tetrachloroethane

Concen: 161.343 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

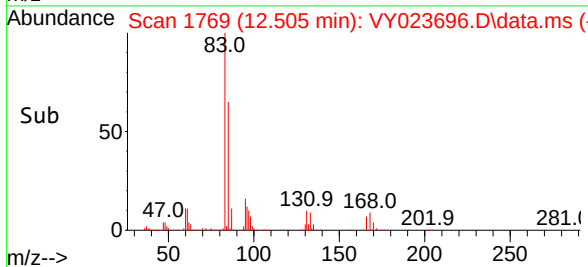
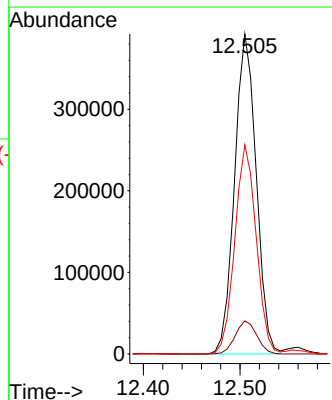
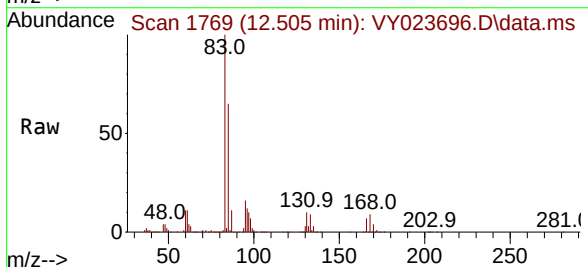
Tgt Ion: 83 Resp: 610157

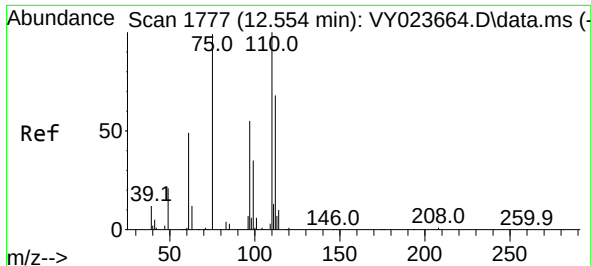
Ion Ratio Lower Upper

83 100

131 10.3 5.7 17.0

85 64.7 31.9 95.7

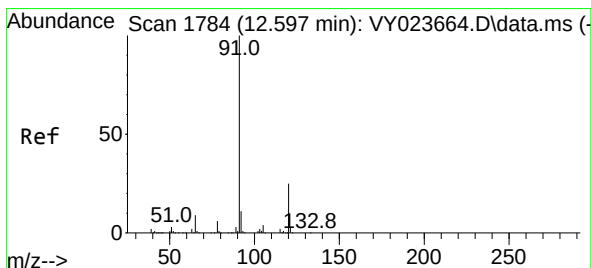
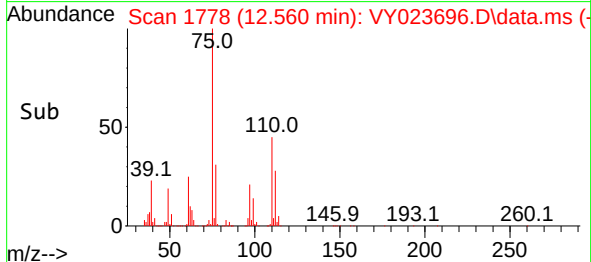
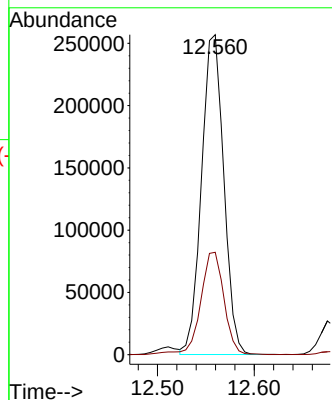
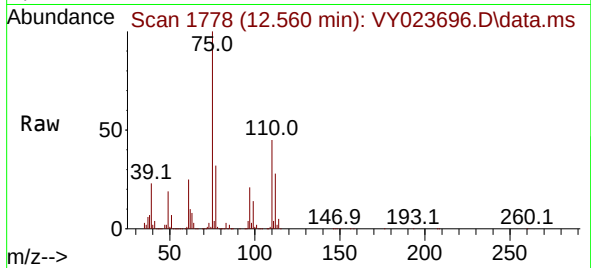




#76
1,2,3-Trichloropropane
Concen: 143.400 ug/l
RT: 12.560 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

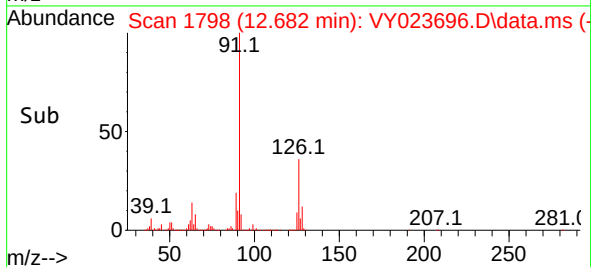
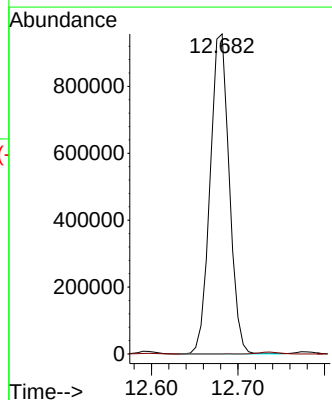
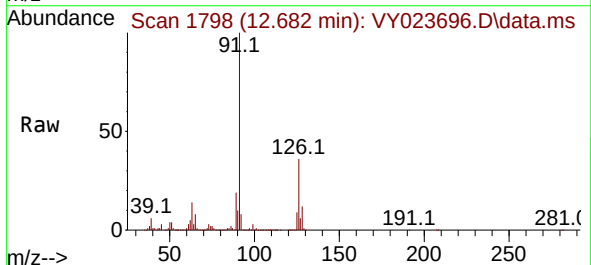
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

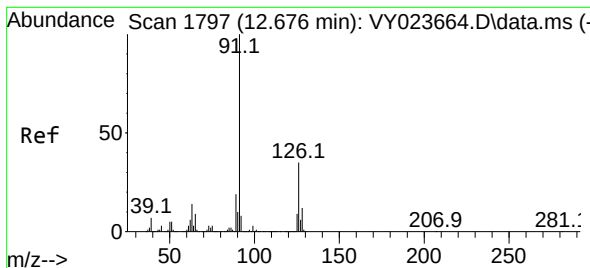
Tgt Ion: 75 Resp: 410876
Ion Ratio Lower Upper
75 100
77 33.7 0.0 0.0#



#78
n-propylbenzene
Concen: 52.737 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.085 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 91 Resp: 1468830
Ion Ratio Lower Upper
91 100
120 0.0 12.0 36.1#





#79

2-Chlorotoluene

Concen: 90.881 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

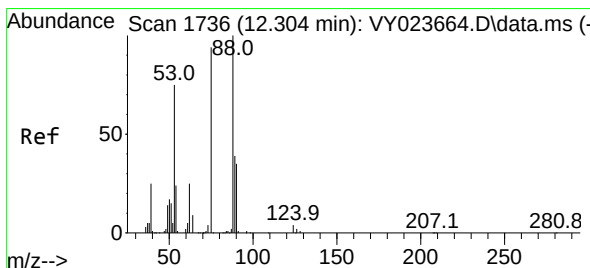
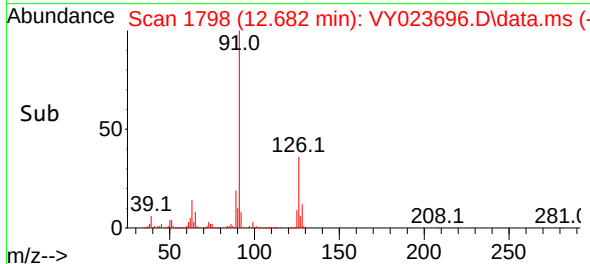
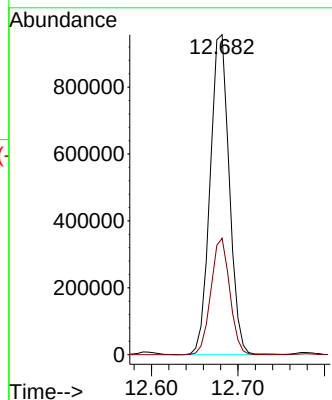
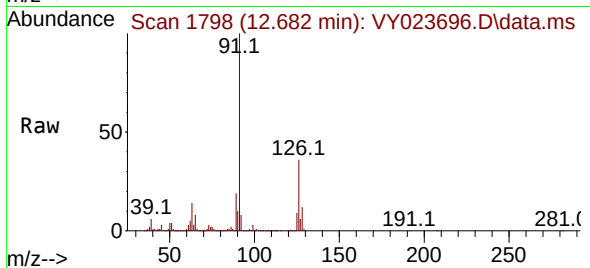
HW1025-PT-VOA-SOIL

Tgt Ion: 91 Resp: 1468830

Ion Ratio Lower Upper

91 100

126 35.8 18.0 54.0



#81

trans-1,4-Dichloro-2-butene

Concen: 116.623 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.103 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

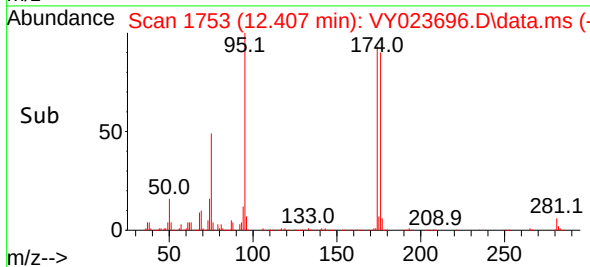
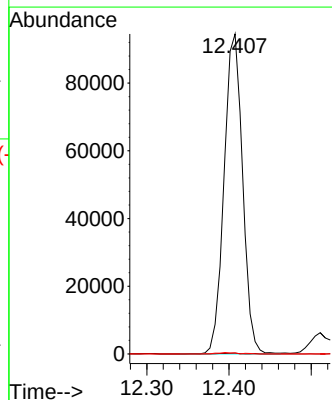
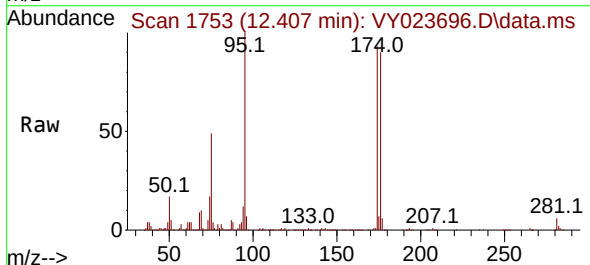
Tgt Ion: 75 Resp: 147859

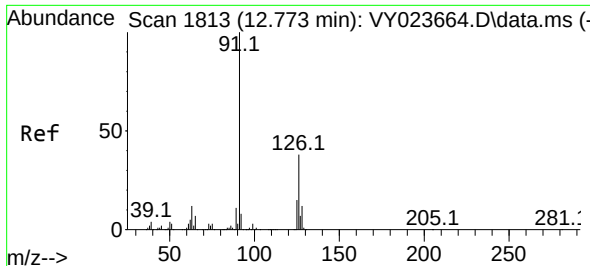
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

89 0.5 38.2 57.4#

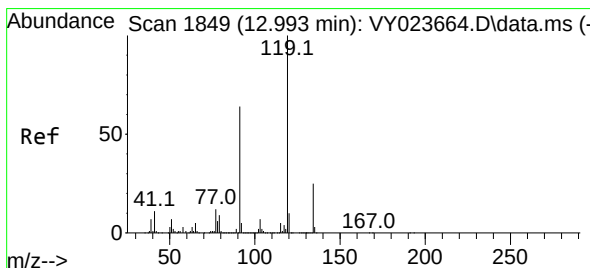
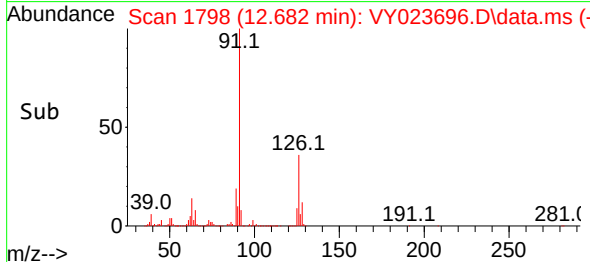
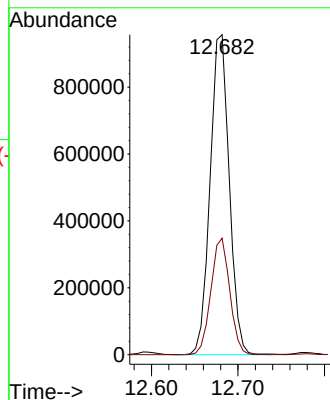
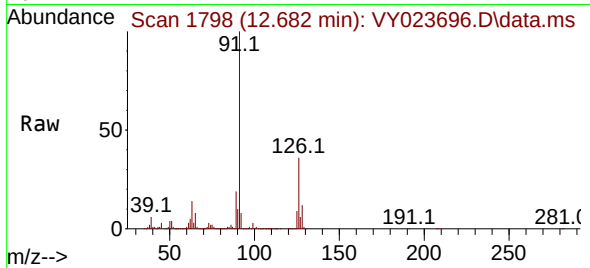




#82
4-Chlorotoluene
Concen: 88.123 ug/l
RT: 12.682 min Scan# 11
Delta R.T. -0.092 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

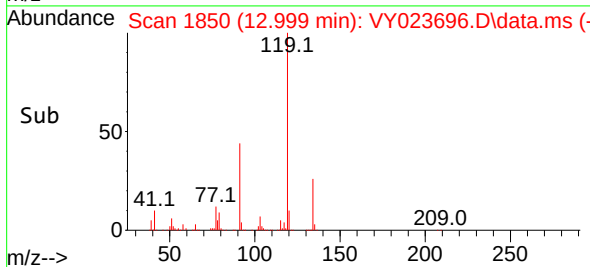
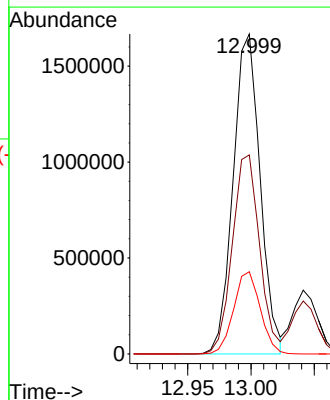
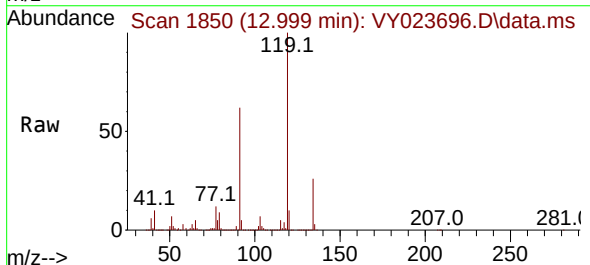
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

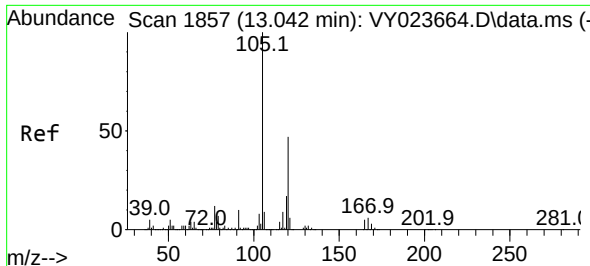
Tgt Ion: 91 Resp: 1468830
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.4



#83
tert-Butylbenzene
Concen: 141.463 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 119 Resp: 2478715
Ion Ratio Lower Upper
119 100
91 63.1 30.7 92.1
134 25.3 13.1 39.1

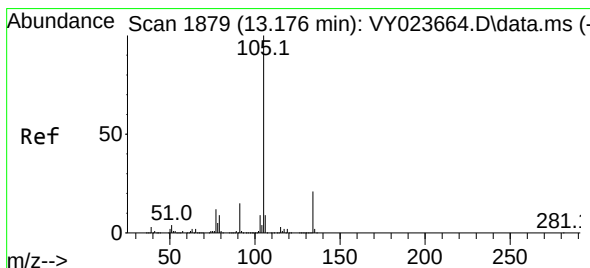
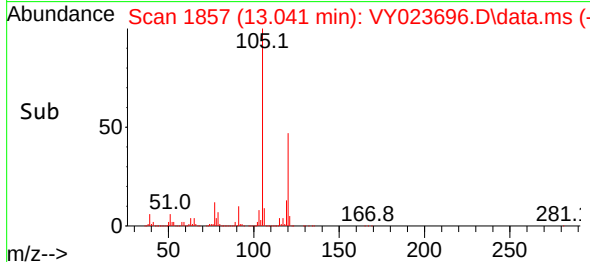
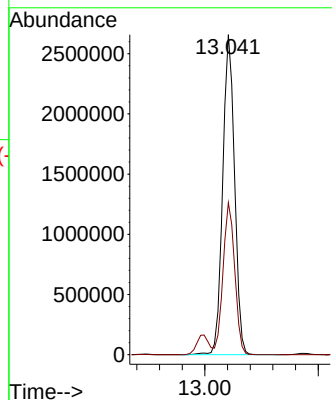
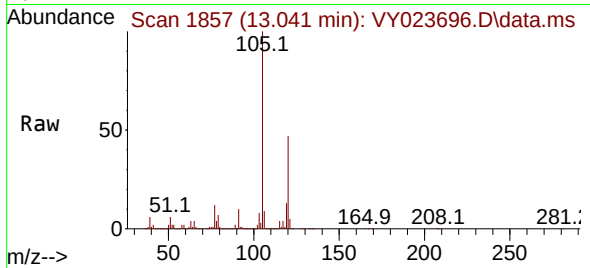




#84
1,2,4-Trimethylbenzene
Concen: 202.108 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

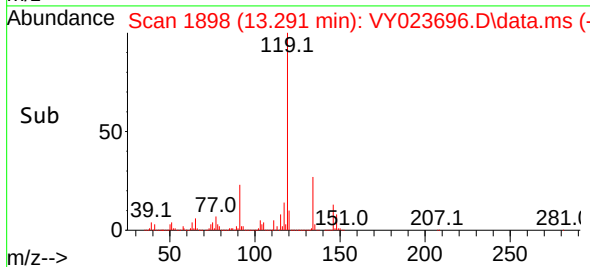
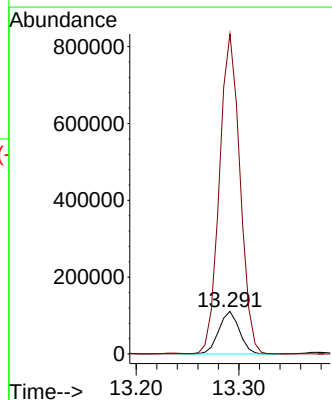
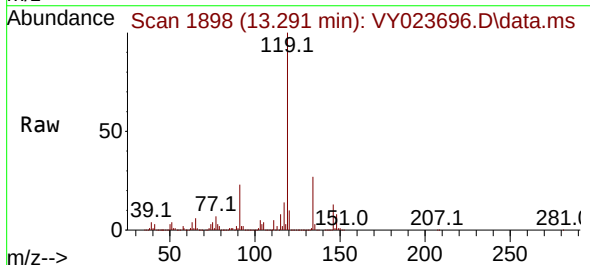
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

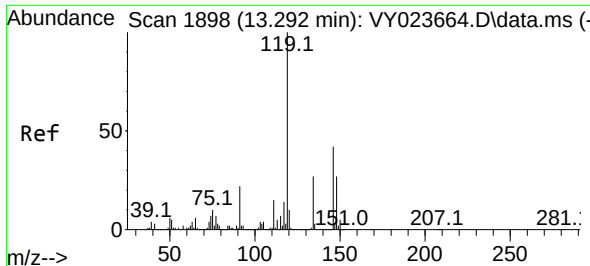
Tgt Ion:105 Resp: 3851184
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.6



#85
sec-Butylbenzene
Concen: 6.038 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.116 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:105 Resp: 152602
Ion Ratio Lower Upper
105 100
134 759.8 10.4 31.4#

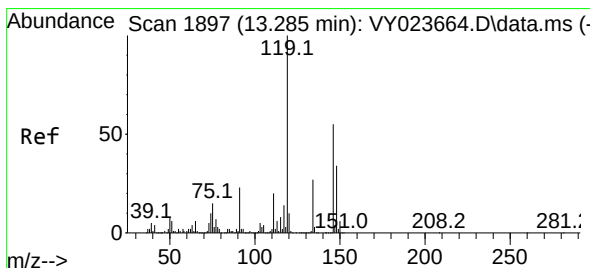
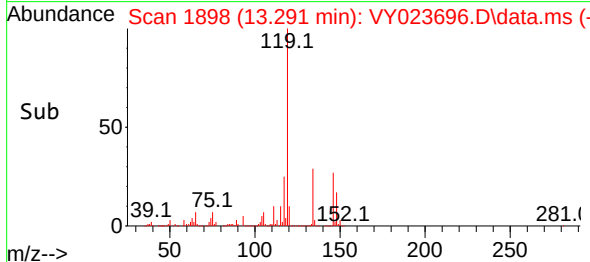
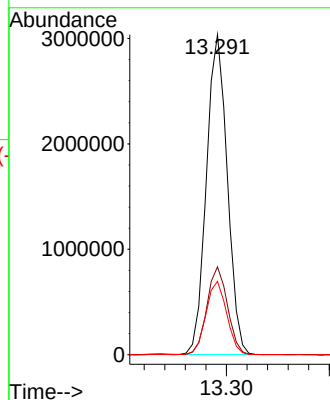
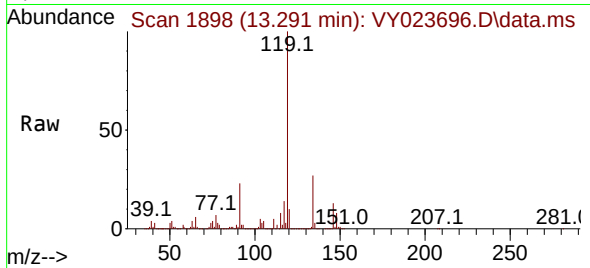




#86
 p-Isopropyltoluene
 Concen: 199.958 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

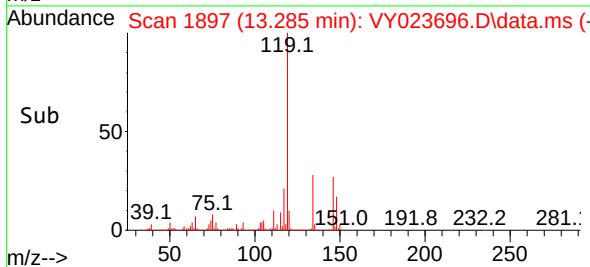
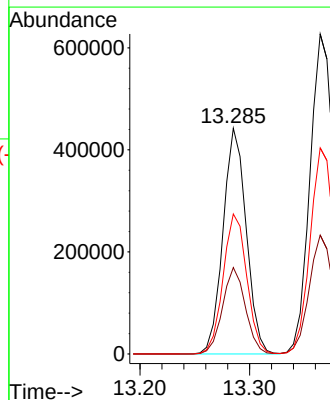
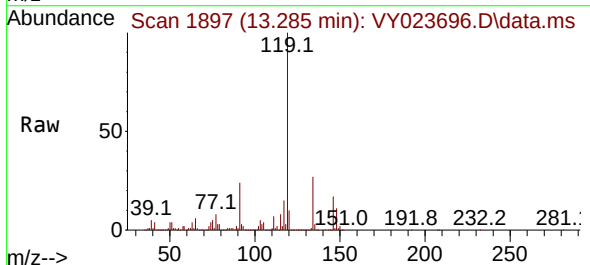
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

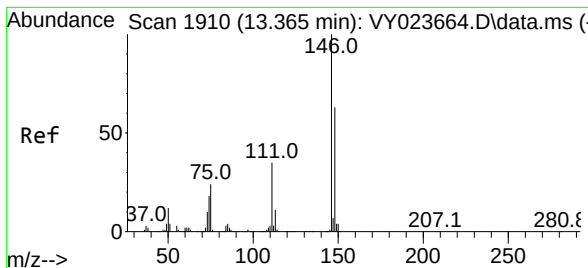
Tgt Ion:119 Resp: 4278014
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 22.7 11.1 33.1



#87
 1,3-Dichlorobenzene
 Concen: 53.803 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion:146 Resp: 650411
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 63.3 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 81.494 ug/l

RT: 13.364 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

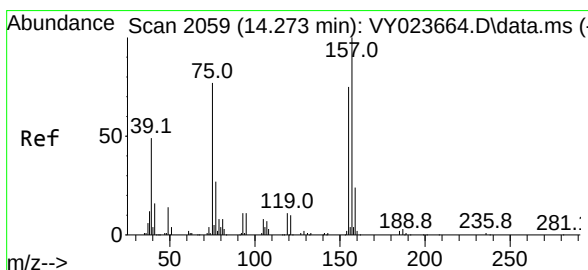
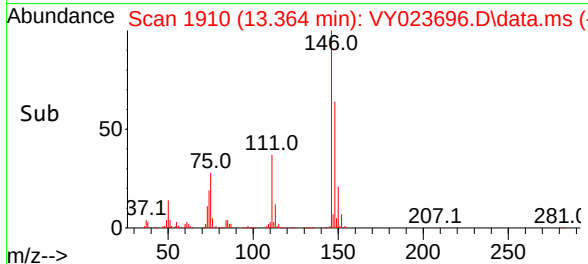
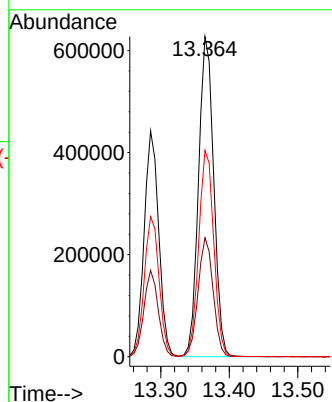
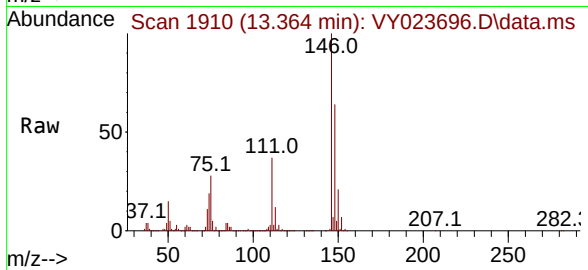
Tgt Ion:146 Resp: 967739

Ion Ratio Lower Upper

146 100

111 36.8 18.3 54.8

148 64.1 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.046 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

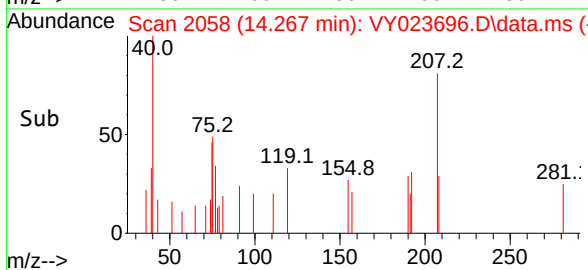
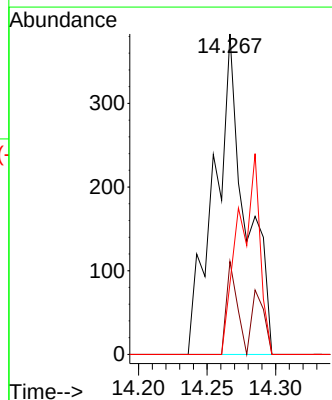
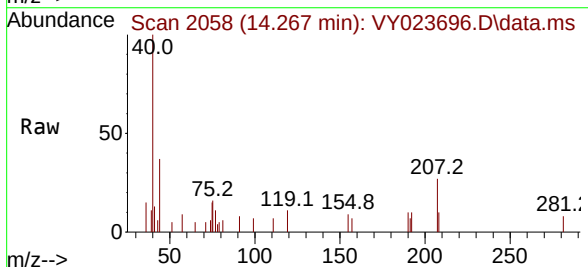
Tgt Ion: 75 Resp: 609

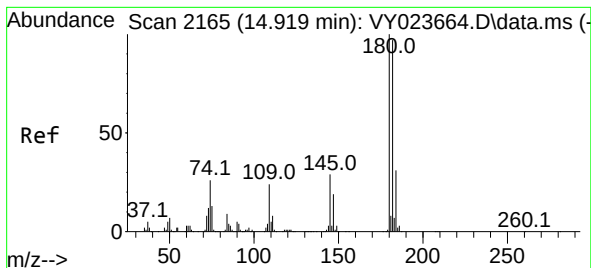
Ion Ratio Lower Upper

75 100

155 9.9 49.4 148.2#

157 0.0 63.2 189.8#





#93

1,2,4-Trichlorobenzene

Concen: 159.556 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

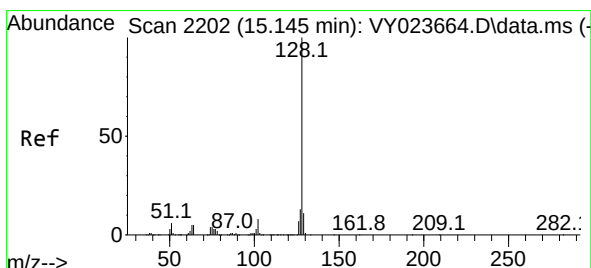
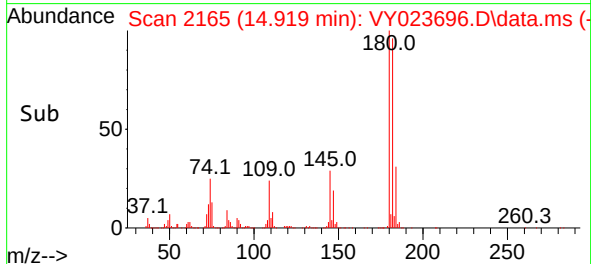
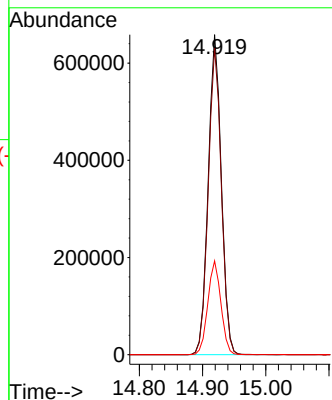
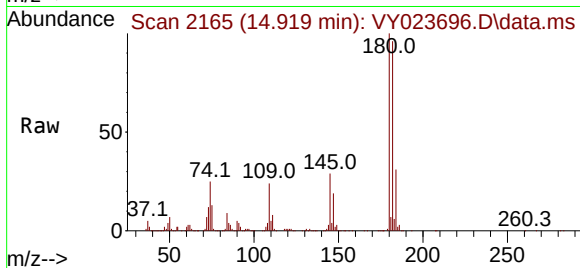
Tgt Ion:180 Resp: 950793

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 29.3 14.4 43.4



#95

Naphthalene

Concen: 60.753 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

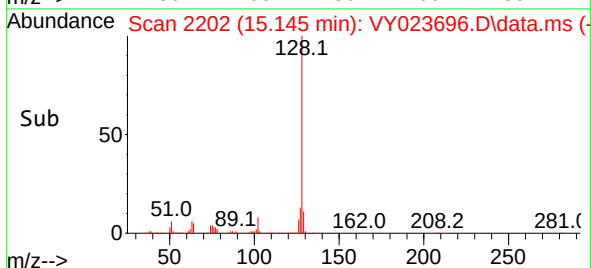
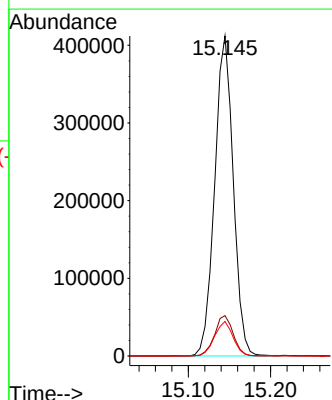
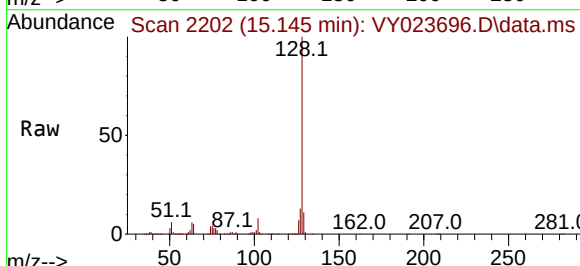
Tgt Ion:128 Resp: 646088

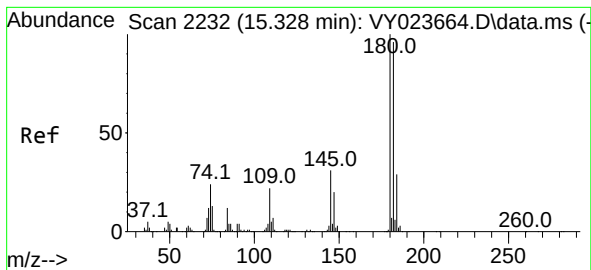
Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

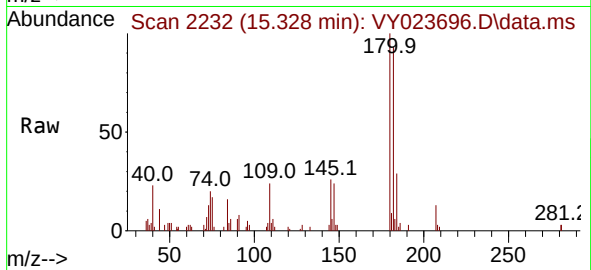
129 10.8 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.755 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

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



Tgt Ion:	180	Resp:	8736
Ion Ratio	Lower	Upper	
180	100		
182	85.1	47.5	142.6
145	30.0	15.5	46.5

