

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031905.D
 Acq On : 23 Jul 2025 12:14
 Operator : SY/MD
 Sample : Q2655-01
 Misc : 4.65g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL

Quant Time: Jul 24 02:50:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	181111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	326280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	276492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	99864	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116753	42.614	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	85.220%
35) Dibromofluoromethane	7.904	113	105231	47.463	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.920%
50) Toluene-d8	10.331	98	469807	55.989	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	111.980%
62) 4-Bromofluorobenzene	12.617	95	123722	38.399	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	76.800%

Target Compounds						Qvalue
3) Chloromethane	2.216	50	6109	3.536	ug/l	# 66
11) Tert butyl alcohol	5.240	59	80625	500.634	ug/l	# 72
13) Acrolein	3.887	56	5268	14.962	ug/l	# 1
15) Acrylonitrile	5.478	53	22892	33.722	ug/l	# 41
16) Acetone	4.167	43	408516	628.360	ug/l	94
17) Carbon Disulfide	4.417	76	10590	1.691	ug/l	97
18) Methyl Acetate	4.716	43	57234	31.954	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	16275	3.900	ug/l	# 1
20) Methylene Chloride	4.960	84	7842	Below Cal	#	1
25) 2-Butanone	7.197	43	168579	189.516	ug/l	97
29) Tetrahydrofuran	7.551	42	2221	3.808	ug/l	# 50
31) Cyclohexane	7.971	56	1226113	291.801	ug/l	97
36) 1,1-Dichloropropene	7.959	75	17510	5.143	ug/l	# 49
37) Ethyl Acetate	7.197	43	168579	86.792	ug/l	# 70
38) Carbon Tetrachloride	7.959	117	20165	6.171	ug/l	# 17
39) Methylcyclohexane	9.343	83	2223901	519.007	ug/l	97
40) Benzene	8.337	78	19882152	1972.617	ug/l	94
41) Methacrylonitrile	7.551	41	4240	3.647	ug/l	# 18
42) 1,2-Dichloroethane	8.337	62	180520	55.962	ug/l	# 75
43) Isopropyl Acetate	8.435	43	79254	22.539	ug/l	# 52
45) 1,2-Dichloropropane	9.343	63	21531	8.870	ug/l	# 1
48) Methyl methacrylate	9.520	41	52181	31.192	ug/l	# 44
49) 1,4-Dioxane	9.471	88	29	1.931	ug/l	# 23
51) 4-Methyl-2-Pentanone	10.325	43	45668	23.732	ug/l	# 49
52) Toluene	10.392	92	12824947	1979.388	ug/l	83
53) t-1,3-Dichloropropene	10.392	75	155927	45.051	ug/l	# 1
55) 1,1,2-Trichloroethane	10.764	97	161868	80.985	ug/l	# 24
56) Ethyl methacrylate	10.672	69	71398	25.293	ug/l	# 16
59) 2-Hexanone	10.934	43	198723	148.565	ug/l	# 27
67) Ethyl Benzene	11.733	91	3871373	325.610	ug/l	99
68) m/p-Xylenes	11.837	106	6818717	1523.425	ug/l	90
69) o-Xylene	12.166	106	3029022	715.089	ug/l	98
70) Styrene	12.178	104	529867	73.471	ug/l	# 11
73) Isopropylbenzene	12.465	105	407973	47.084	ug/l	98
74) N-amyl acetate	12.251	43	96152	41.047	ug/l	# 55
75) 1,1,2,2-Tetrachloroethane	12.678	83	3399	1.848	ug/l	# 26

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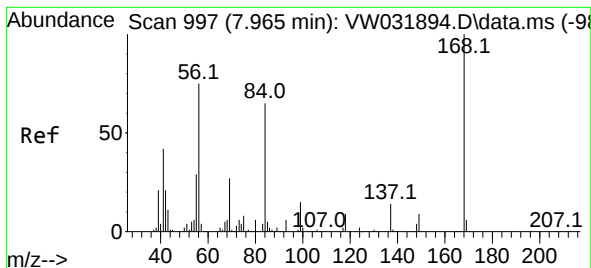
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.800	75	4911	3.562	ug/l #	100
78) n-propylbenzene	12.800	91	851209	79.986	ug/l	99
79) 2-Chlorotoluene	12.867	91	242012	38.088	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.940	105	2103820	289.500	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.458	75	5418	9.072	ug/l #	28
82) 4-Chlorotoluene	12.940	91	232610	34.896	ug/l #	44
83) tert-Butylbenzene	13.208	119	49444	7.988	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	4570343	621.355	ug/l	95
85) sec-Butylbenzene	13.379	105	161352	17.357	ug/l #	45
86) p-Isopropyltoluene	13.495	119	229593	29.881	ug/l	96
88) 1,4-Dichlorobenzene	13.580	146	22670	5.930	ug/l #	55
89) n-Butylbenzene	13.818	91	180019	23.883	ug/l #	78
90) Hexachloroethane	14.092	117	65842	49.556	ug/l #	23
91) 1,2-Dichlorobenzene	13.867	146	4152	1.200	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.489	75	4095	12.324	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.147	180	2388	1.145	ug/l #	1
95) Naphthalene	15.354	128	20490219	3995.760	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.568	180	3032	1.604	ug/l #	68

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

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Instrument :

MSVOA_W

ClientSampleId :

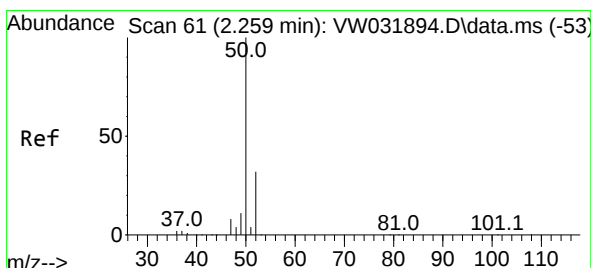
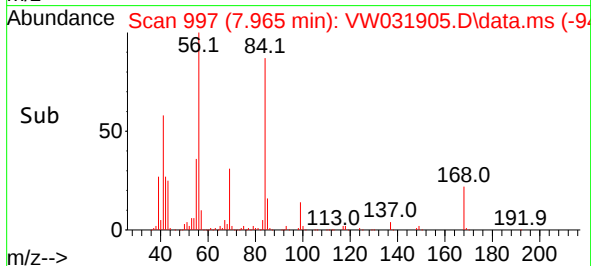
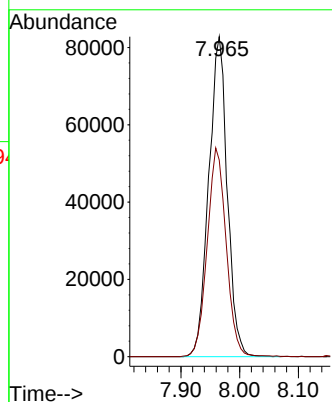
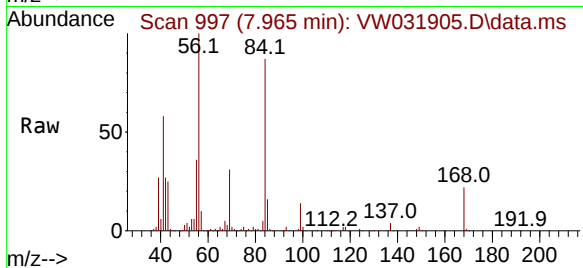
SOIL

Tgt Ion:168 Resp: 181111

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.2



#3

Chloromethane

Concen: 3.536 ug/l

RT: 2.216 min Scan# 54

Delta R.T. -0.043 min

Lab File: VW031905.D

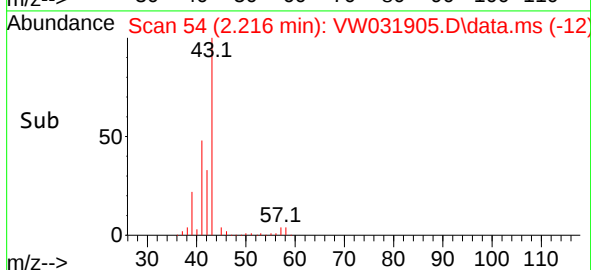
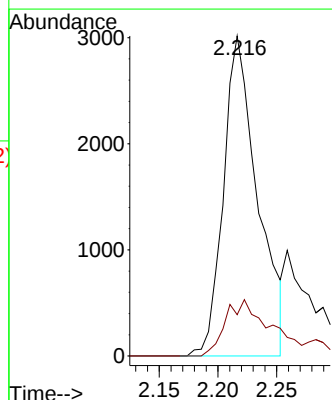
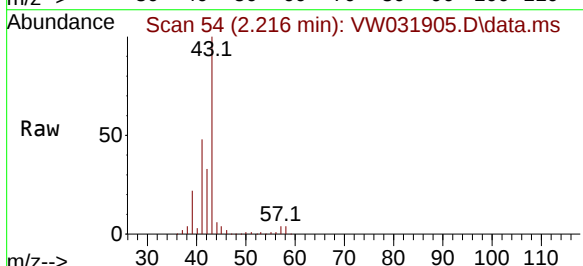
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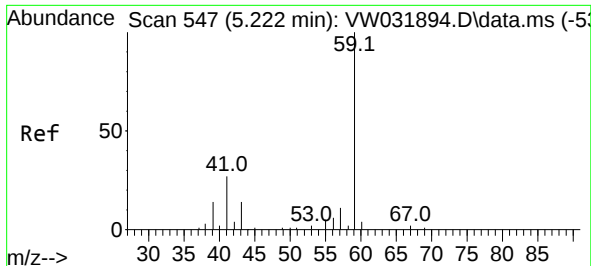
Tgt Ion: 50 Resp: 6109

Ion Ratio Lower Upper

50 100

52 12.9 25.7 38.5#

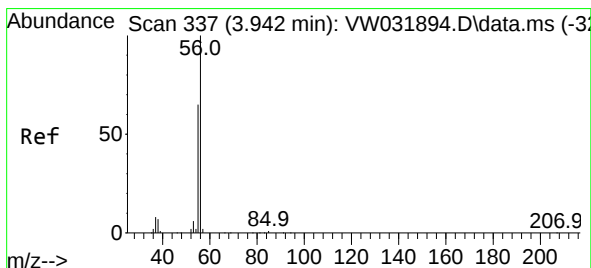
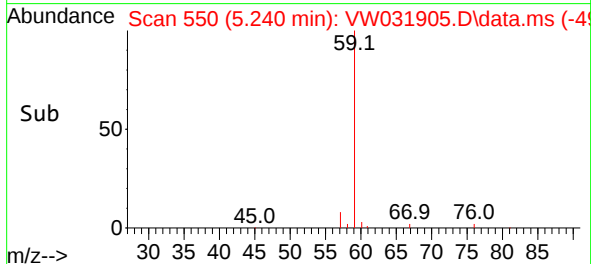
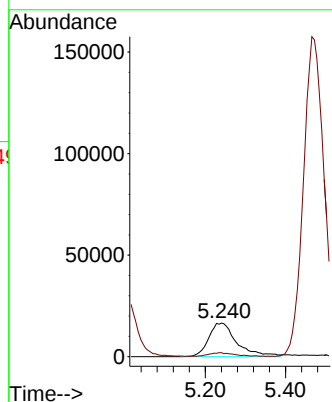
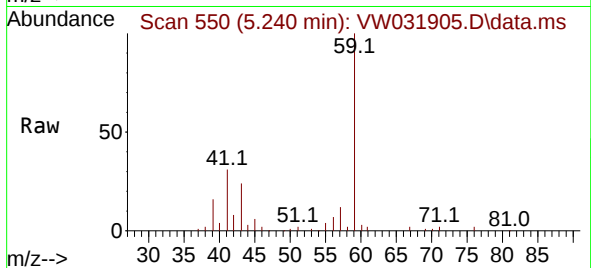




#11
Tert butyl alcohol
Concen: 500.634 ug/l
RT: 5.240 min Scan# 51
Delta R.T. 0.018 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

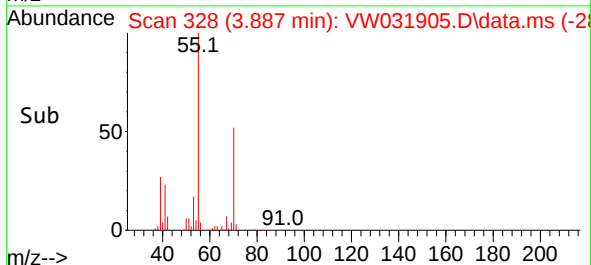
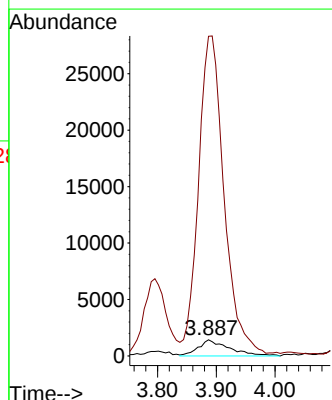
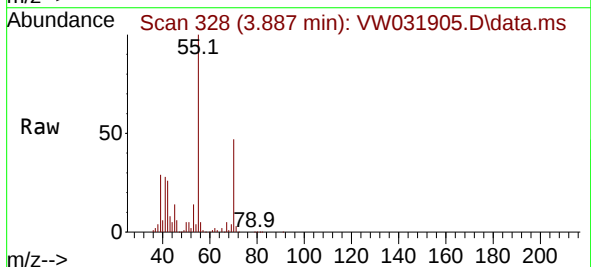
Instrument :
MSVOA_W
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SOIL

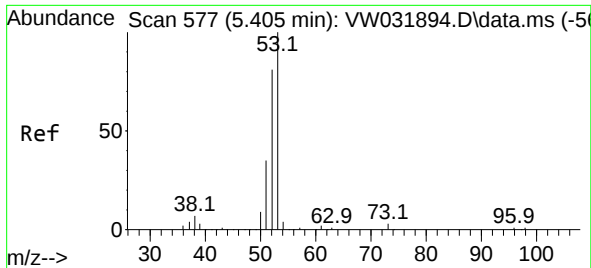
Tgt Ion: 59 Resp: 80625
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 14.962 ug/l
RT: 3.887 min Scan# 328
Delta R.T. -0.055 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 56 Resp: 5268
Ion Ratio Lower Upper
56 100
55 1600.2 56.7 85.1#

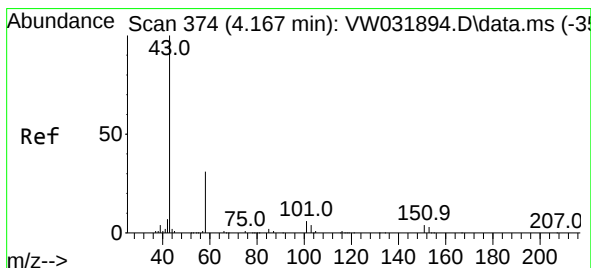
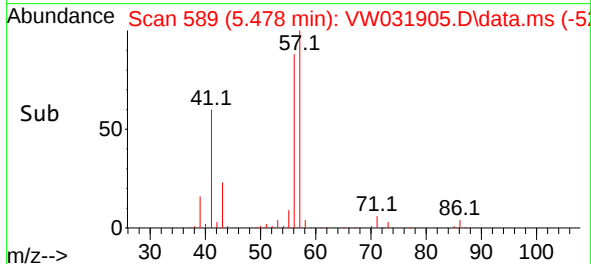
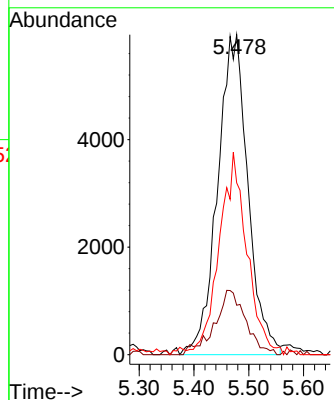
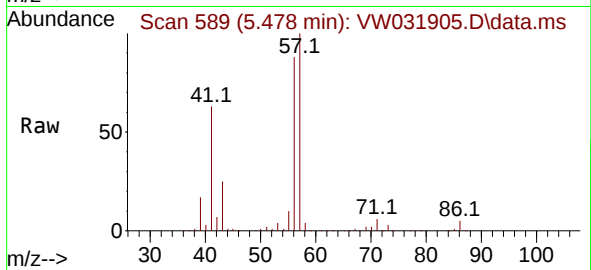




#15
Acrylonitrile
Concen: 33.722 ug/l
RT: 5.478 min Scan# 51
Delta R.T. 0.073 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

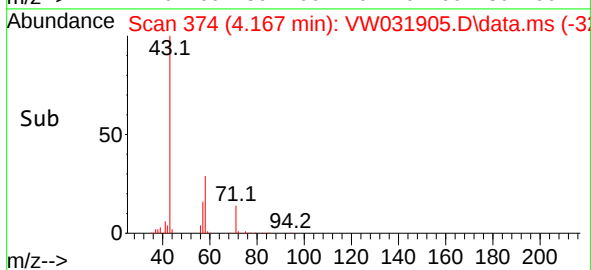
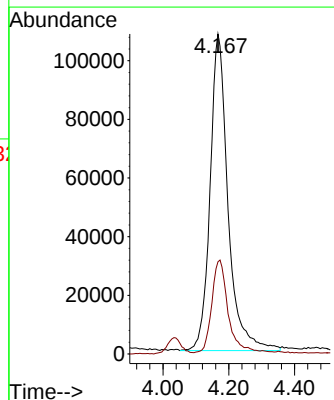
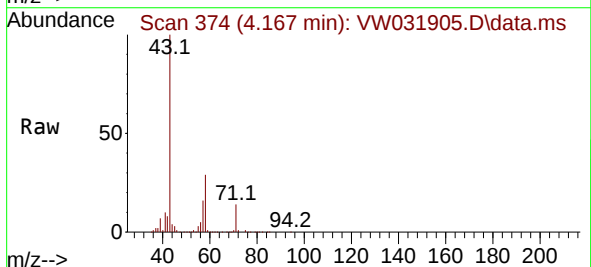
Instrument :
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ClientSampleId :
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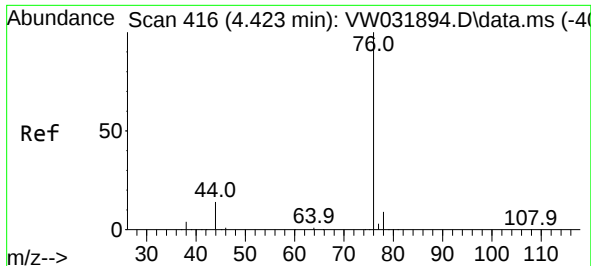
Tgt Ion: 53 Resp: 22892
Ion Ratio Lower Upper
53 100
52 20.6 67.0 100.4#
51 57.7 29.9 44.9#



#16
Acetone
Concen: 628.360 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 43 Resp: 408516
Ion Ratio Lower Upper
43 100
58 28.4 25.5 38.3

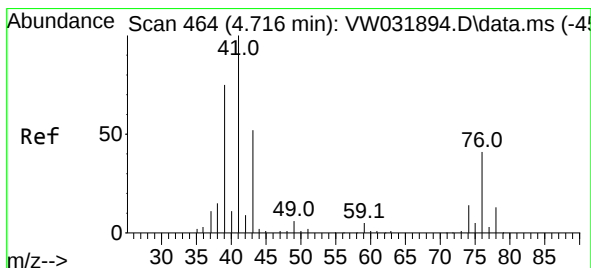
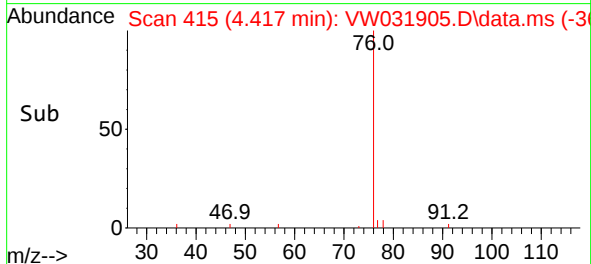
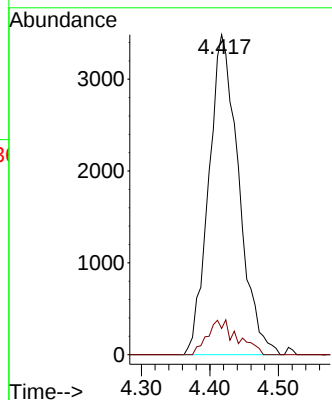
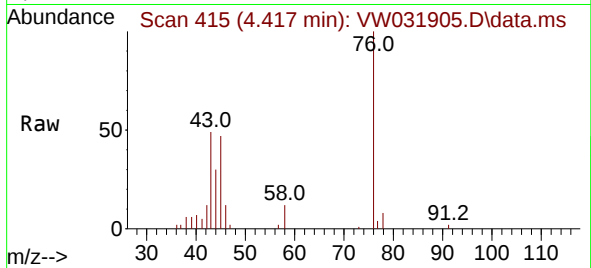




#17
Carbon Disulfide
Concen: 1.691 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

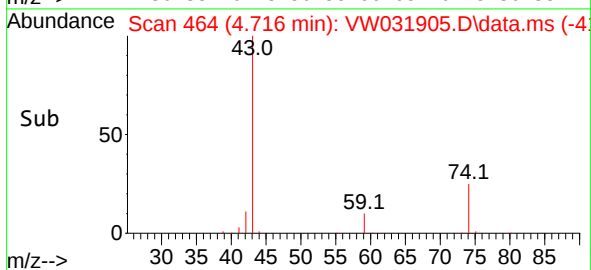
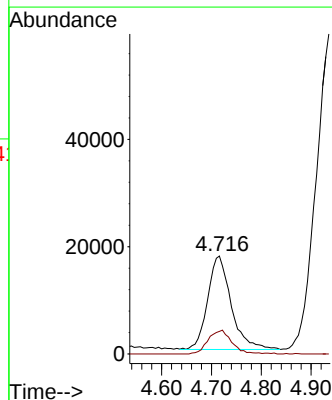
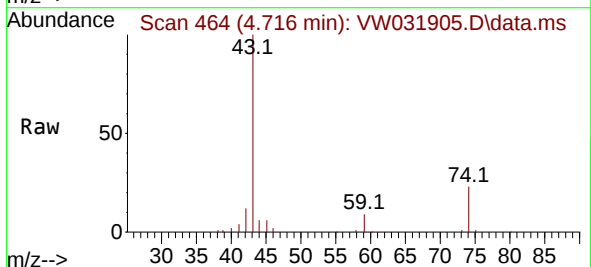
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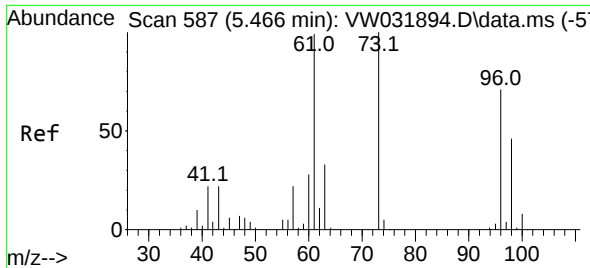
Tgt Ion: 76 Resp: 10590
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3



#18
Methyl Acetate
Concen: 31.954 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 43 Resp: 57234
Ion Ratio Lower Upper
43 100
74 25.6 20.6 31.0

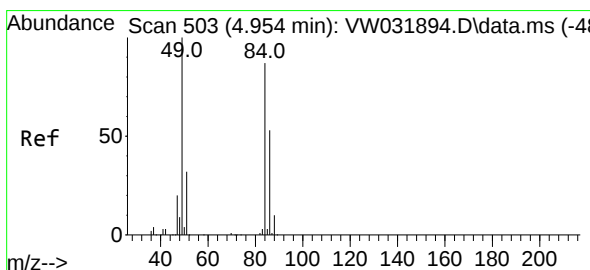
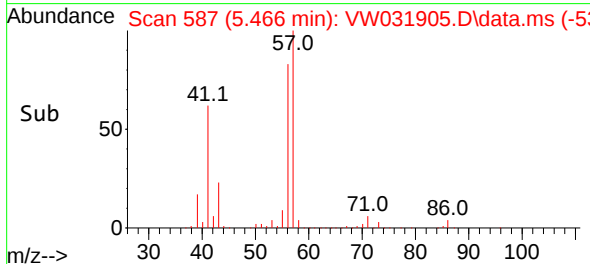
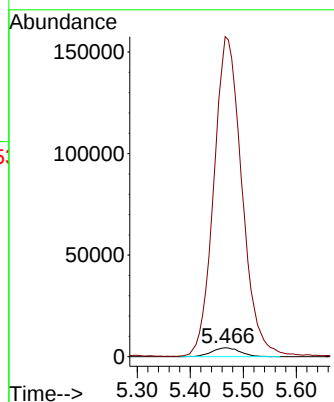
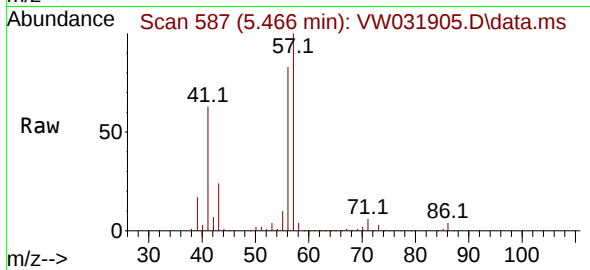




#19
Methyl tert-butyl Ether
Concen: 3.900 ug/l
RT: 5.466 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

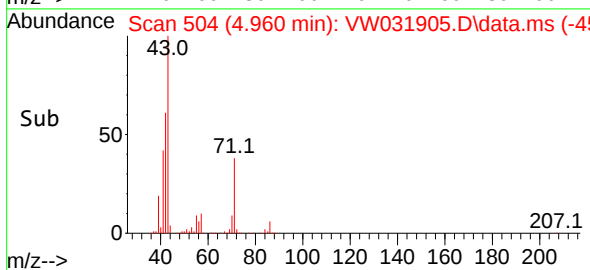
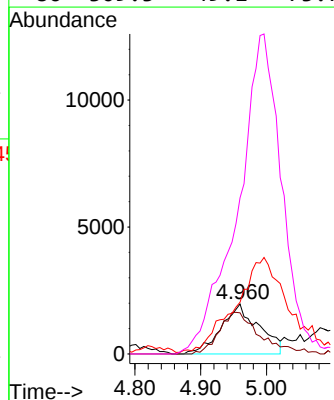
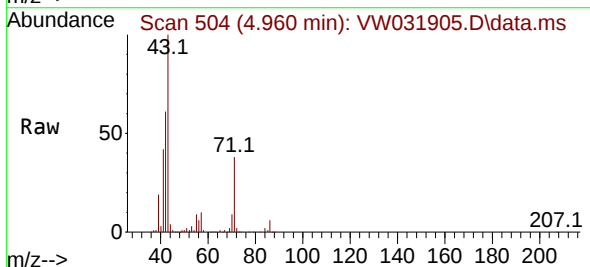
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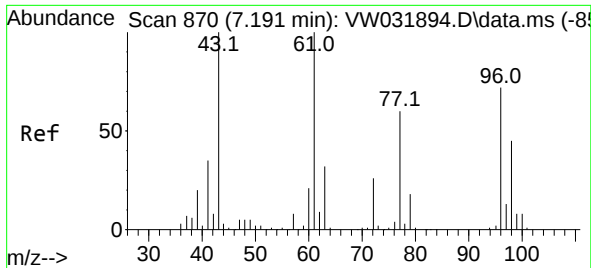
Tgt Ion: 73 Resp: 16275
Ion Ratio Lower Upper
73 100
57 3561.6 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 84 Resp: 7842
Ion Ratio Lower Upper
84 100
49 82.5 91.9 137.9#
51 100.5 29.0 43.6#
86 309.3 49.1 73.7#

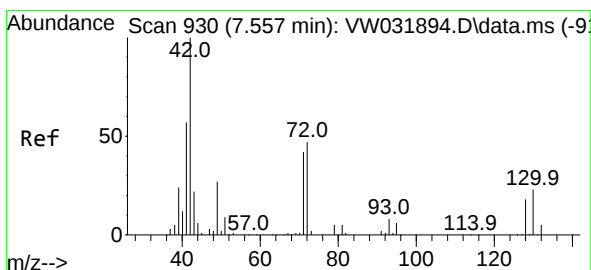
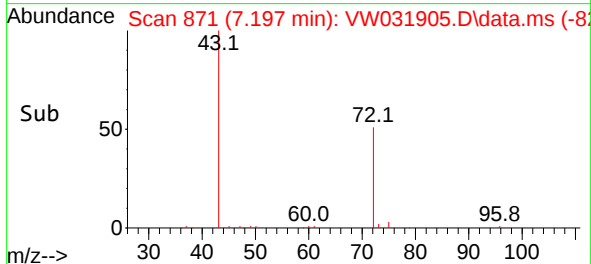
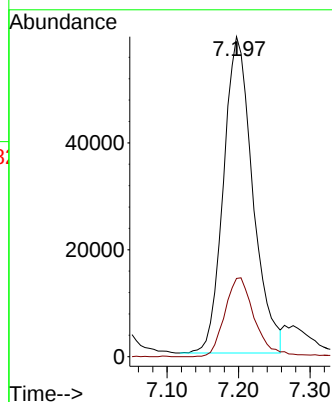
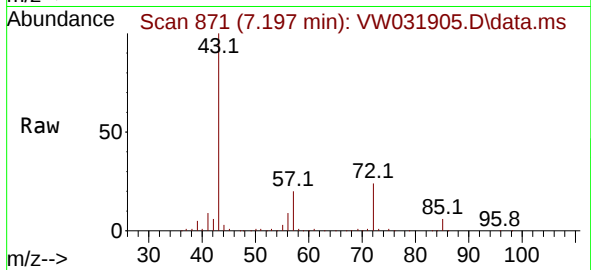




#25
2-Butanone
Concen: 189.516 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

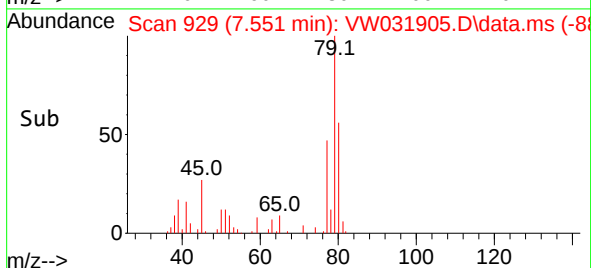
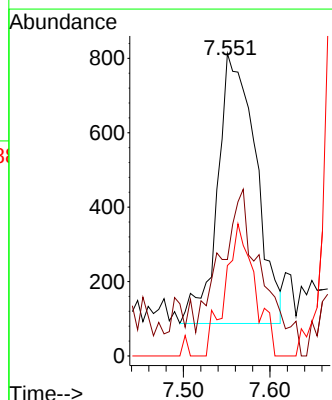
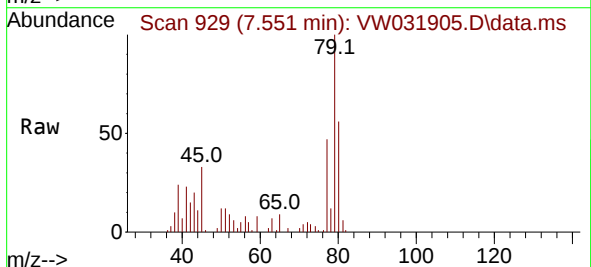
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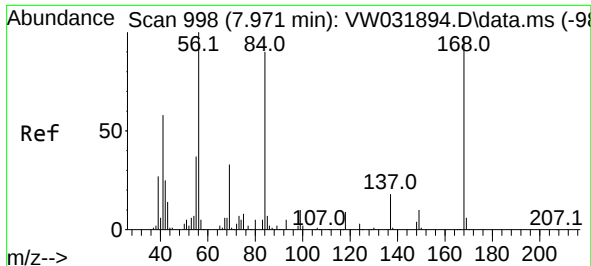
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Ion Ratio Lower Upper
43 100
72 24.7 20.8 31.2



#29
Tetrahydrofuran
Concen: 3.808 ug/l
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

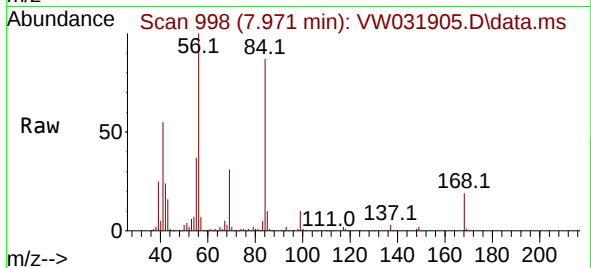
Tgt Ion: 42 Resp: 2221
Ion Ratio Lower Upper
42 100
72 68.8 37.0 55.6#
71 0.0 34.5 51.7#



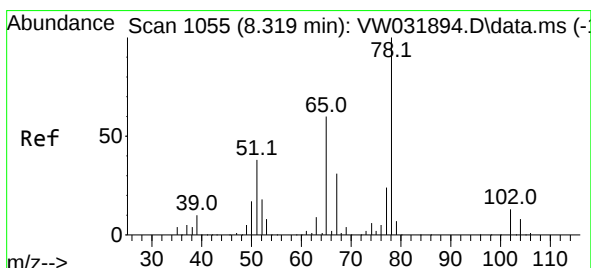
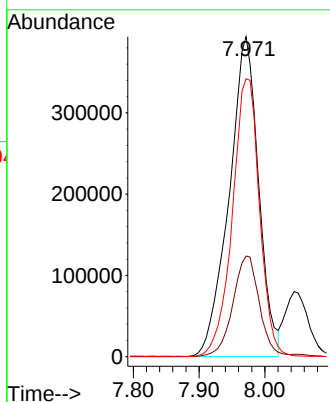
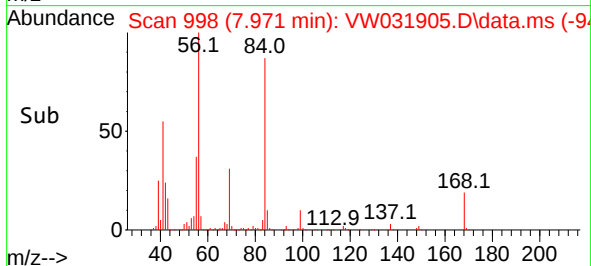


#31
Cyclohexane
Concen: 291.801 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
SOIL

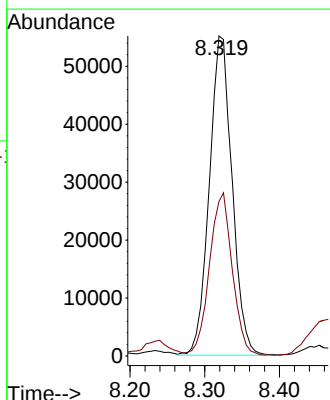
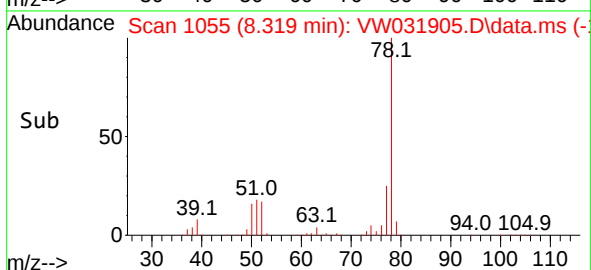
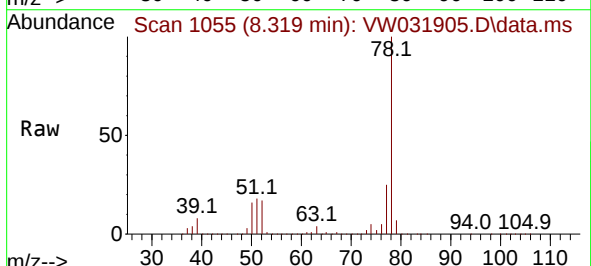


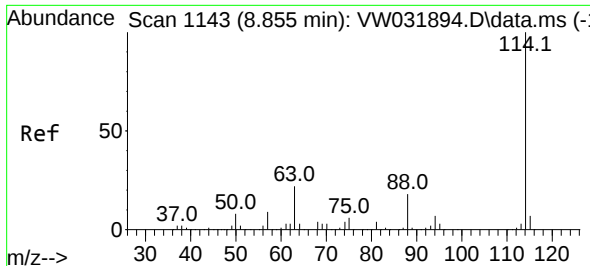
Tgt Ion: 56 Resp: 1226113
Ion Ratio Lower Upper
56 100
69 31.3 26.7 40.1
84 86.9 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 42.614 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 65 Resp: 116753
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4

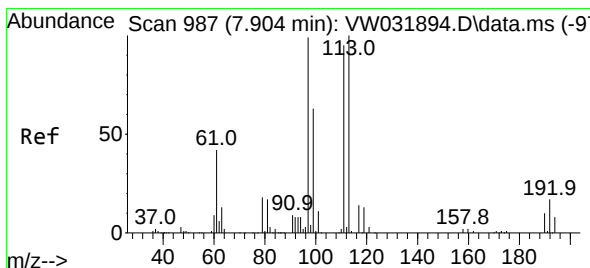
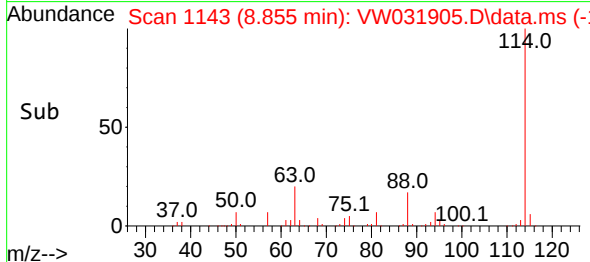
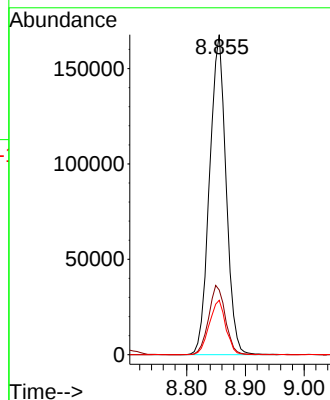
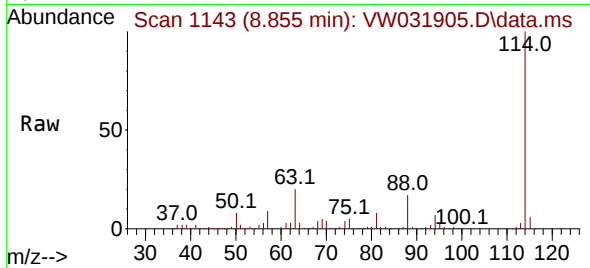




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

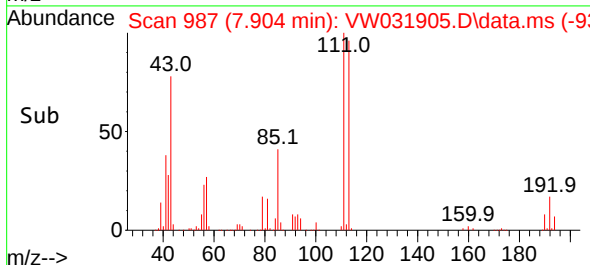
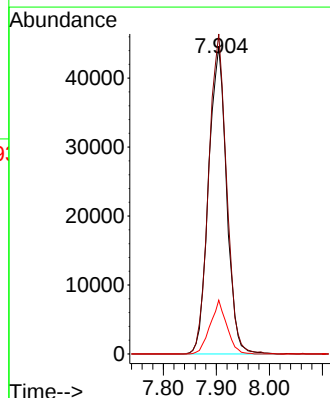
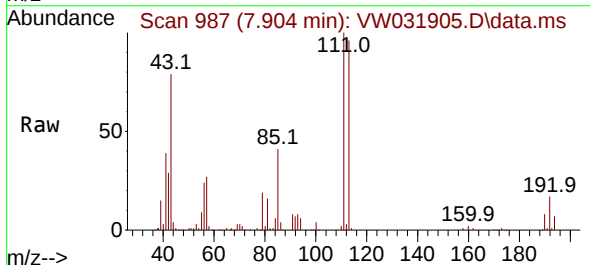
Instrument :
MSVOA_W
ClientSampleId :
SOIL

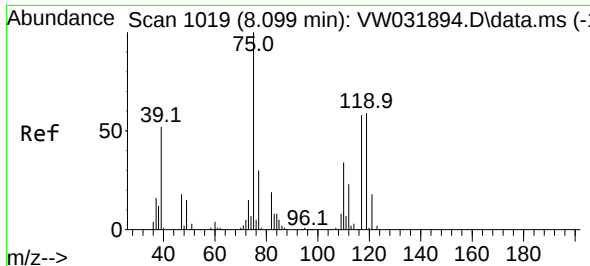
Tgt Ion:114 Resp: 326280
Ion Ratio Lower Upper
114 100
63 20.2 0.0 44.2
88 17.0 0.0 35.6



#35
Dibromofluoromethane
Concen: 47.463 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion:113 Resp: 105231
Ion Ratio Lower Upper
113 100
111 103.6 79.9 119.9
192 16.1 12.6 19.0

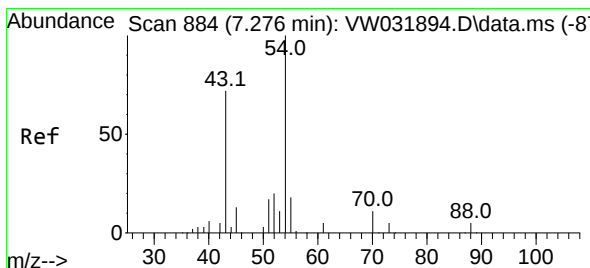
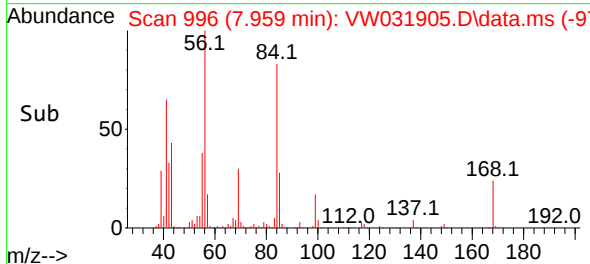
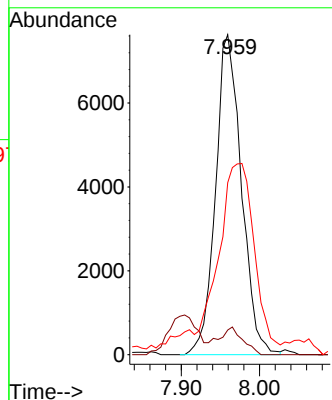
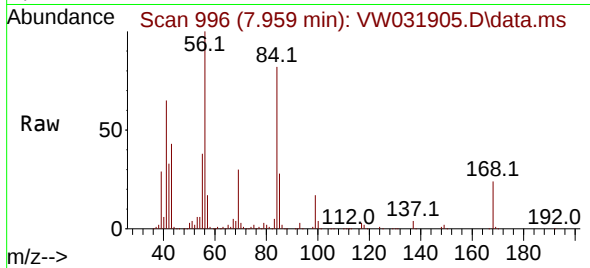




#36
1,1-Dichloropropene
Concen: 5.143 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

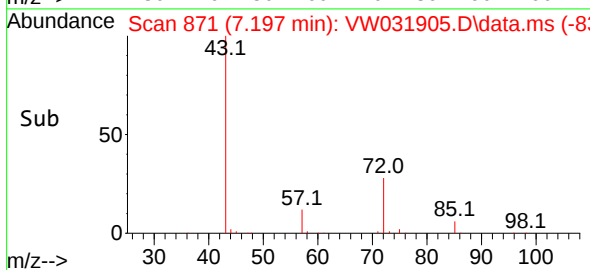
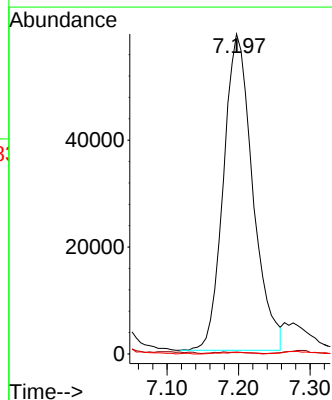
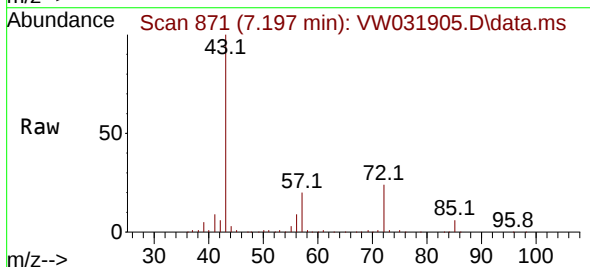
Instrument :
MSVOA_W
ClientSampleId :
SOIL

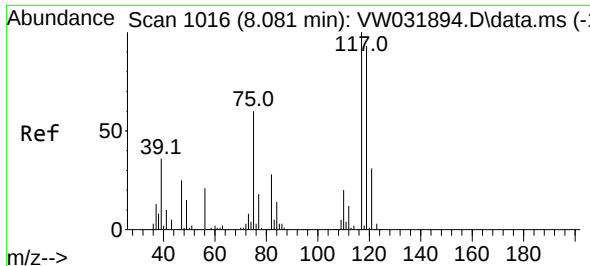
Tgt Ion: 75 Resp: 17510
Ion Ratio Lower Upper
75 100
110 7.9 17.0 50.9#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 86.792 ug/l
RT: 7.197 min Scan# 871
Delta R.T. -0.079 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 43 Resp: 168579
Ion Ratio Lower Upper
43 100
61 0.2 10.6 15.8#
70 0.5 9.0 13.4#

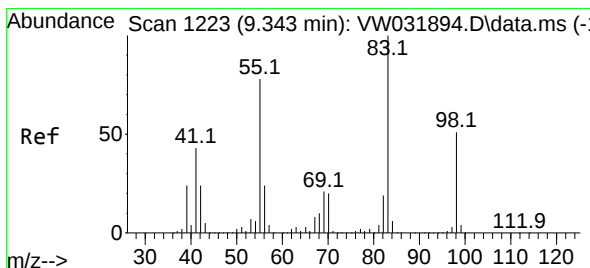
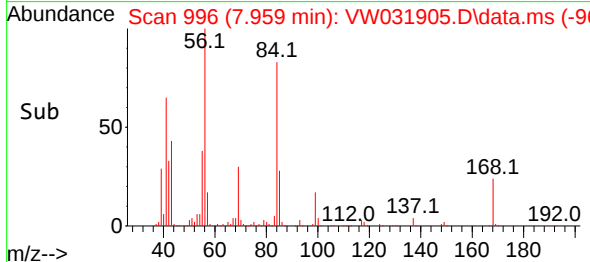
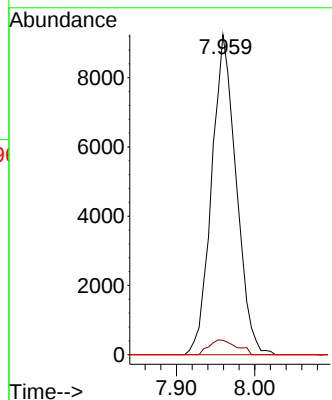
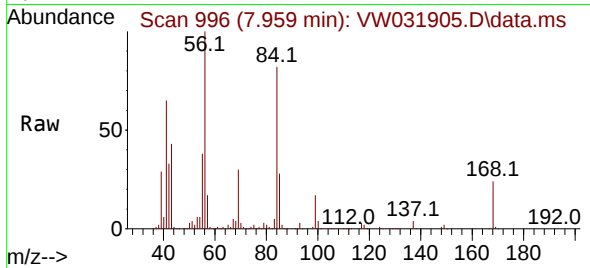




#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

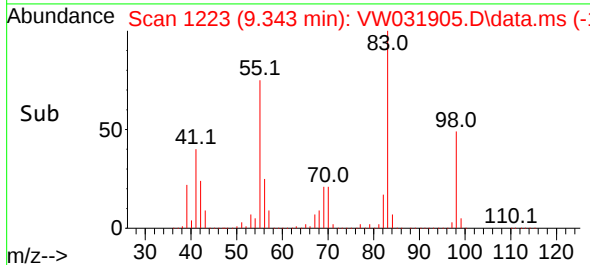
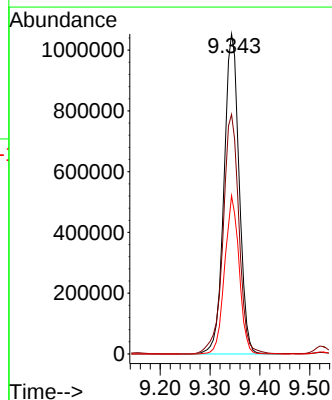
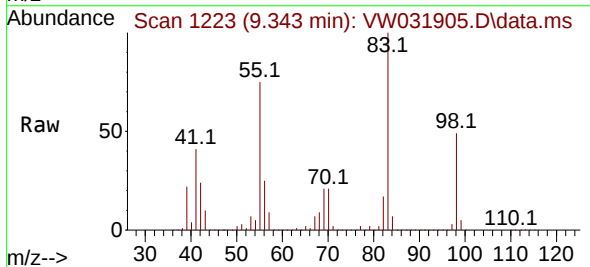
Instrument :
MSVOA_W
ClientSampleId :
SOIL

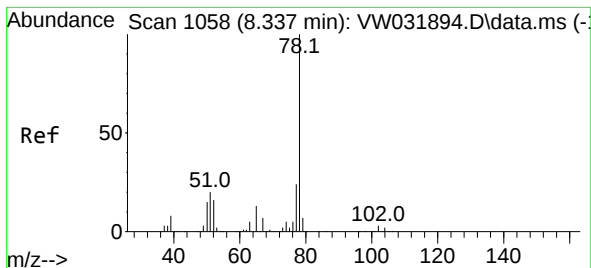
Tgt Ion:117 Resp: 20165
Ion Ratio Lower Upper
117 100
119 4.5 74.3 111.5#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 519.007 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 83 Resp: 2223901
Ion Ratio Lower Upper
83 100
55 74.8 62.5 93.7
98 49.4 40.6 61.0





#40

Benzene

Concen: 1972.617 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

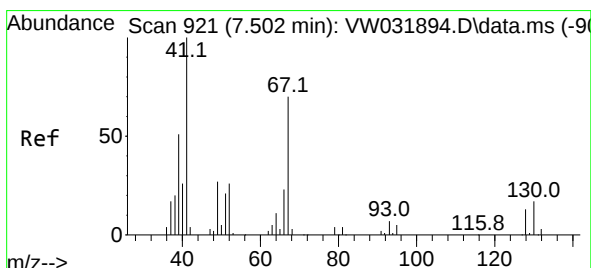
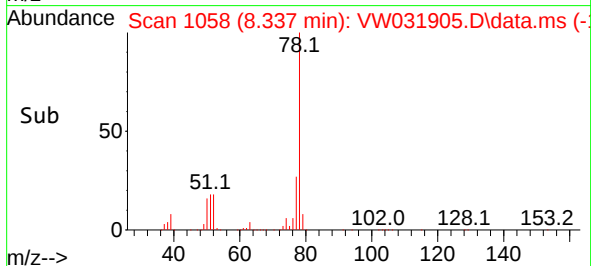
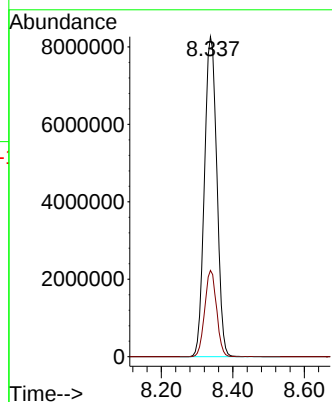
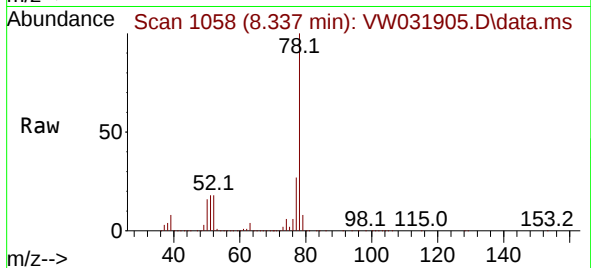
SOIL

Tgt Ion: 78 Resp:19882152

Ion Ratio Lower Upper

78 100

77 27.0 19.3 28.9



#41

Methacrylonitrile

Concen: 3.647 ug/l

RT: 7.551 min Scan# 929

Delta R.T. 0.049 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Tgt Ion: 41 Resp: 4240

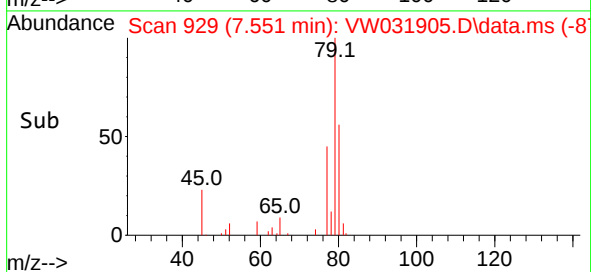
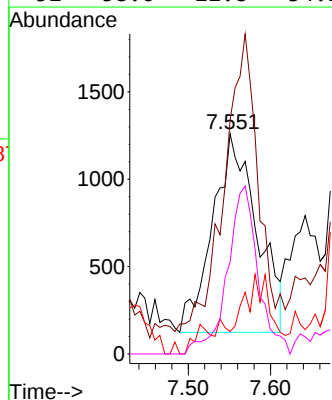
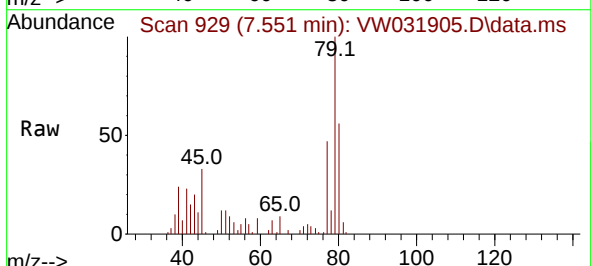
Ion Ratio Lower Upper

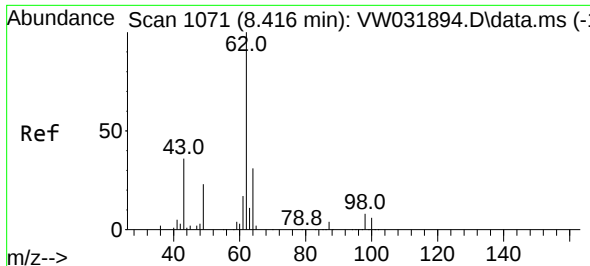
41 100

39 114.4 41.1 61.7#

67 0.0 56.2 84.4#

52 58.6 22.8 34.2#





#42

1,2-Dichloroethane

Concen: 55.962 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.079 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

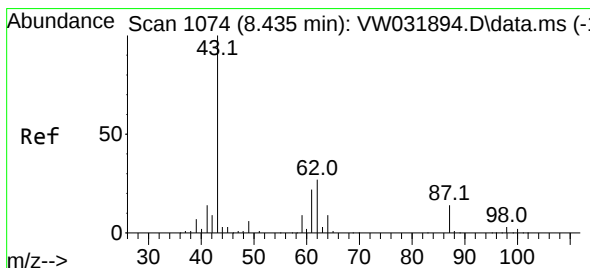
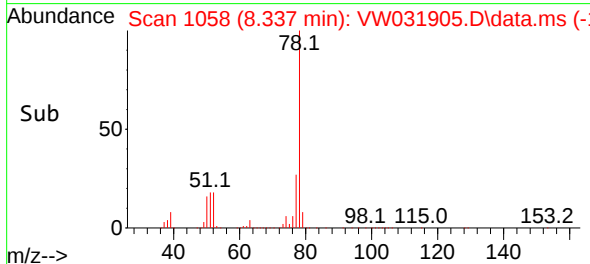
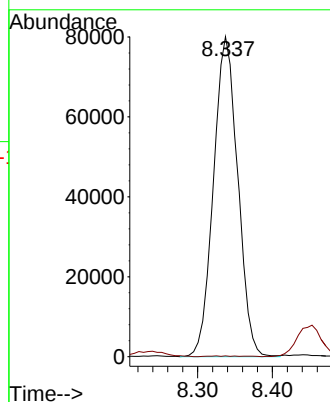
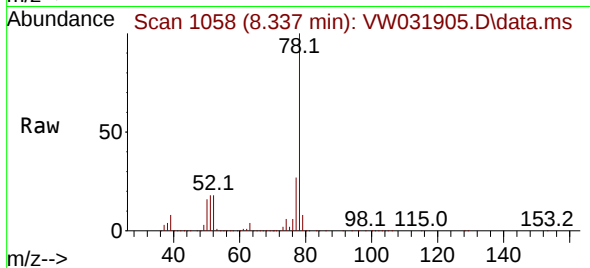
SOIL

Tgt Ion: 62 Resp: 180520

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 22.539 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

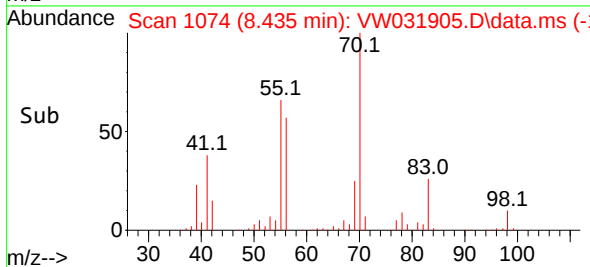
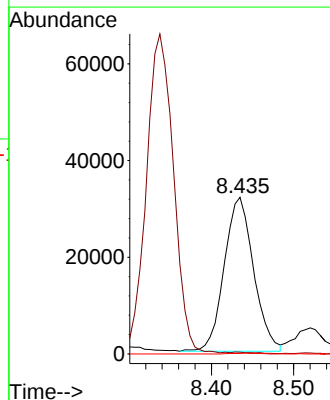
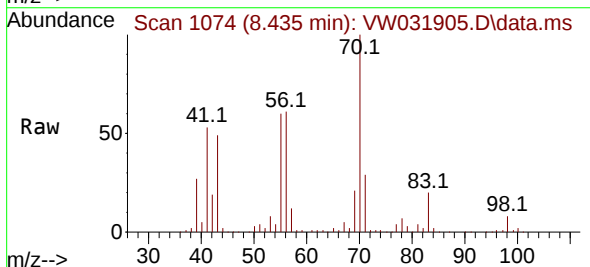
Tgt Ion: 43 Resp: 79254

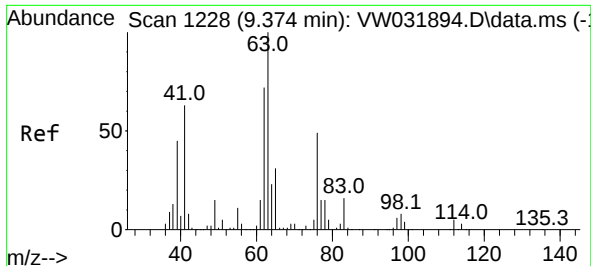
Ion Ratio Lower Upper

43 100

61 0.0 24.0 36.0#

87 0.4 11.1 16.7#





#45

1,2-Dichloropropane

Concen: 8.870 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.030 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

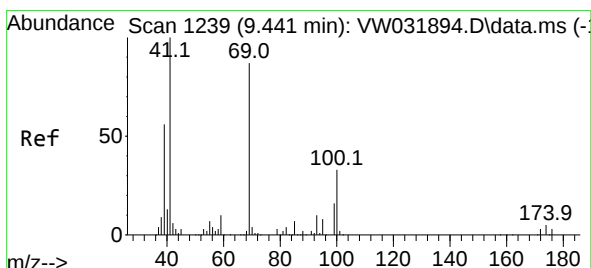
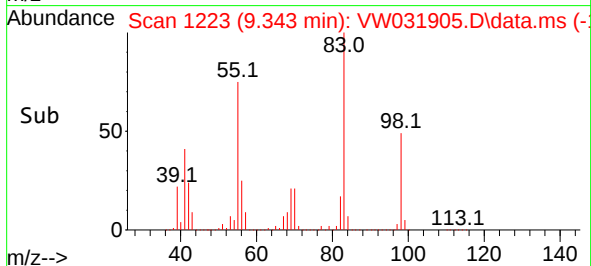
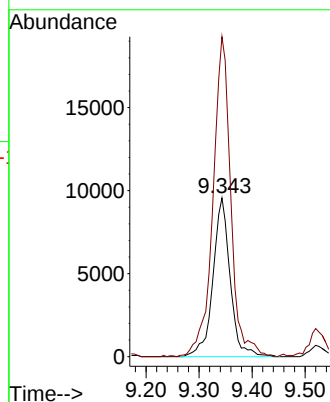
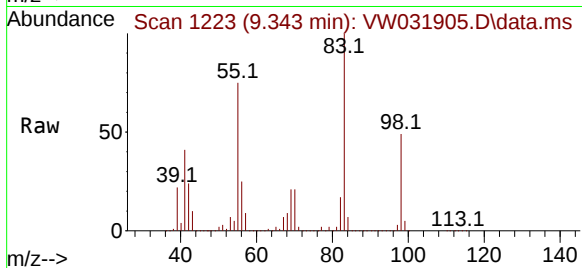
SOIL

Tgt Ion: 63 Resp: 21531

Ion Ratio Lower Upper

63 100

65 200.8 25.0 37.4#



#48

Methyl methacrylate

Concen: 31.192 ug/l

RT: 9.520 min Scan# 1252

Delta R.T. 0.079 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

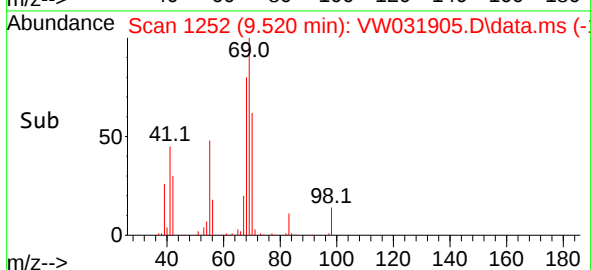
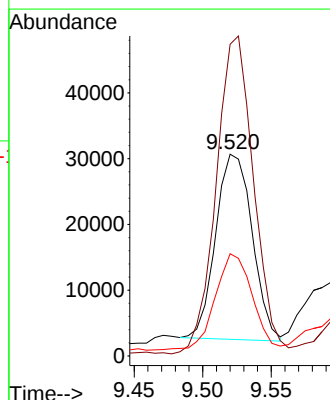
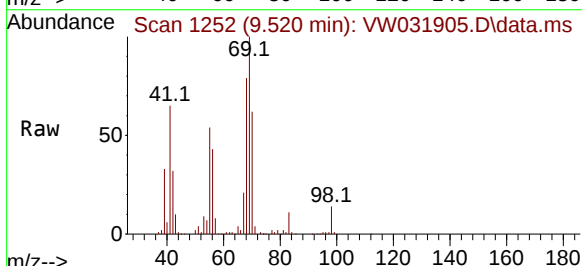
Tgt Ion: 41 Resp: 52181

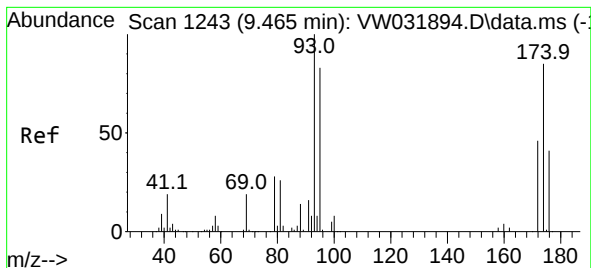
Ion Ratio Lower Upper

41 100

69 176.6 73.6 110.4#

39 55.2 45.5 68.3





#49

1,4-Dioxane

Concen: 1.931 ug/l

RT: 9.471 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

SOIL

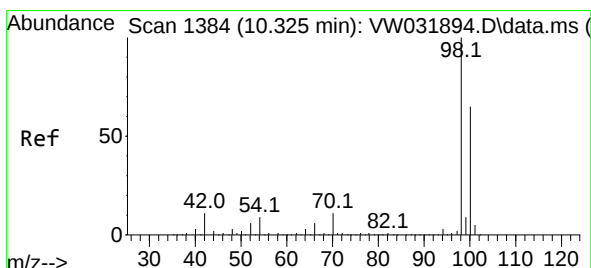
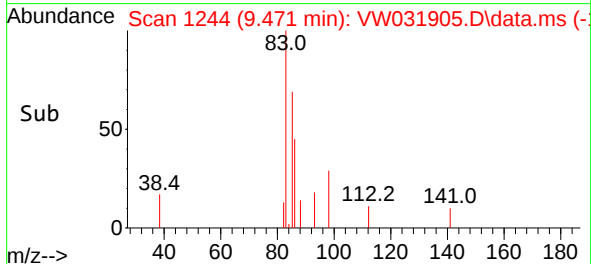
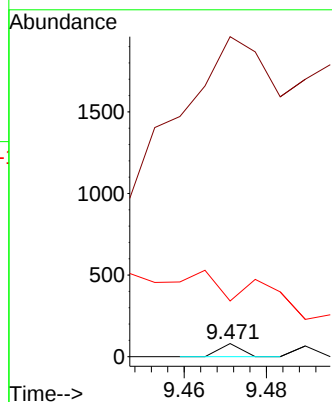
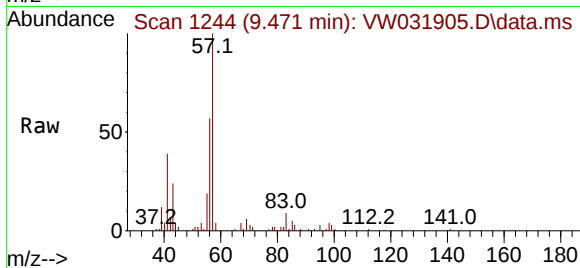
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.4#

58 0.0 58.2 87.2#



#50

Toluene-d8

Concen: 55.989 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031905.D

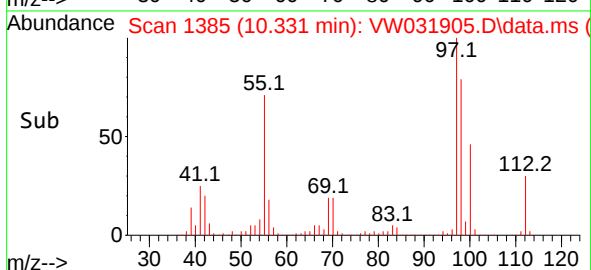
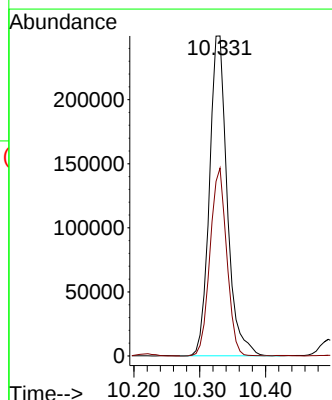
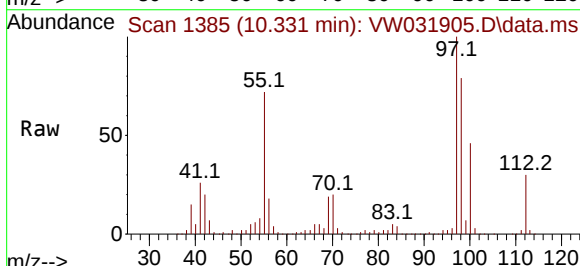
Acq: 23 Jul 2025 12:14

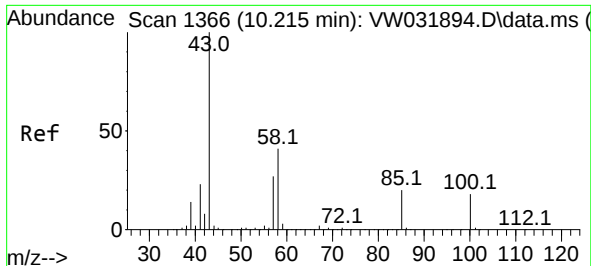
Tgt Ion: 98 Resp: 469807

Ion Ratio Lower Upper

98 100

100 55.0 51.7 77.5

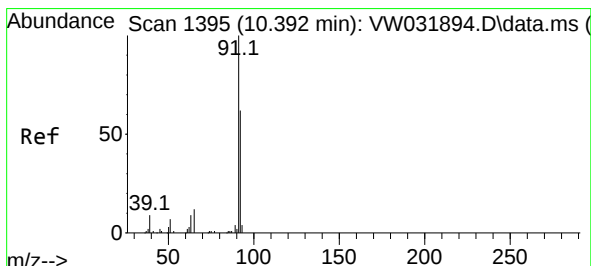
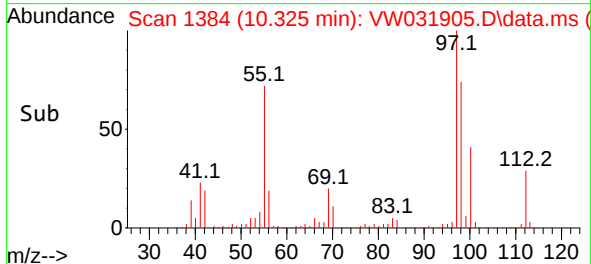
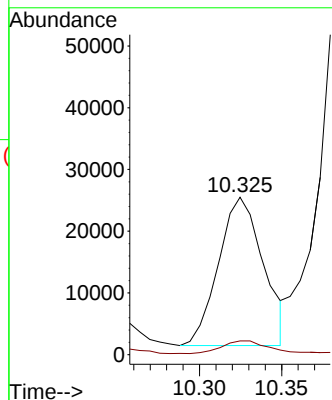
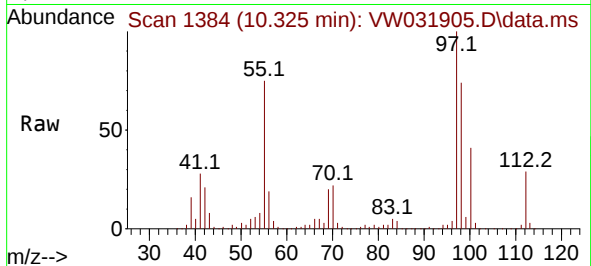




#51
4-Methyl-2-Pentanone
Concen: 23.732 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.110 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

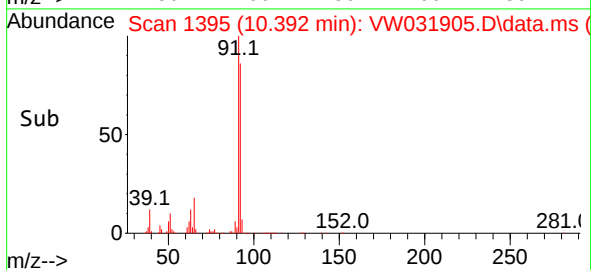
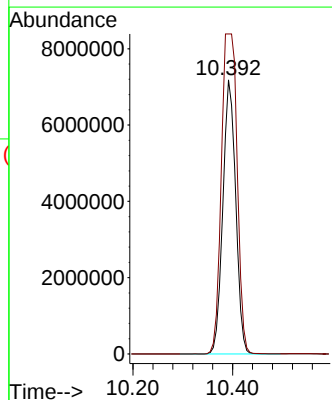
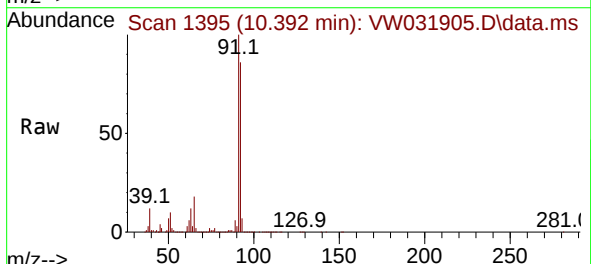
Instrument :
MSVOA_W
ClientSampleId :
SOIL

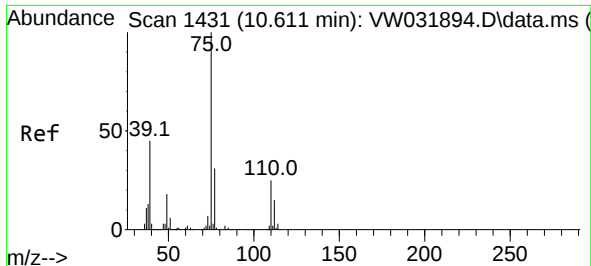
Tgt Ion: 43 Resp: 45668
Ion Ratio Lower Upper
43 100
58 9.1 32.8 49.2#



#52
Toluene
Concen: 1979.388 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 92 Resp:12824947
Ion Ratio Lower Upper
92 100
91 144.0 133.7 200.5

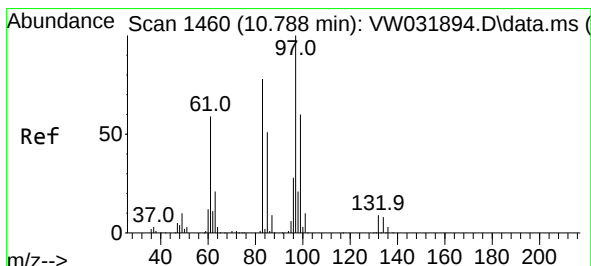
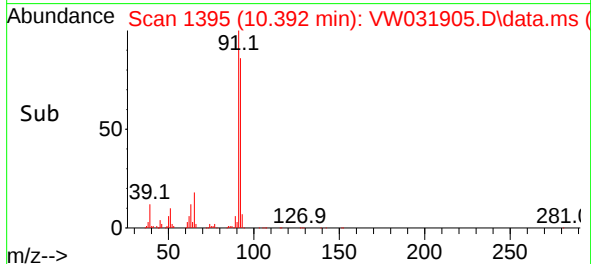
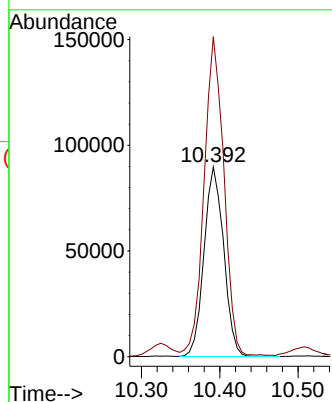
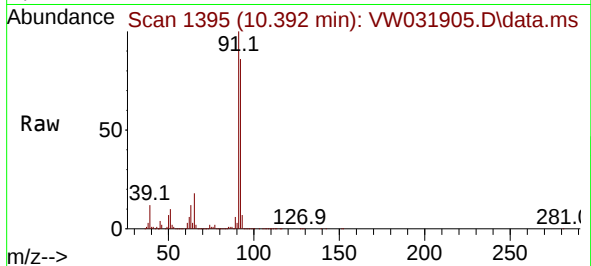




#53
t-1,3-Dichloropropene
Concen: 45.051 ug/l
RT: 10.392 min Scan# 11
Delta R.T. -0.219 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

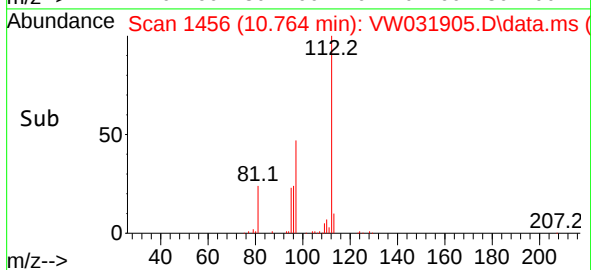
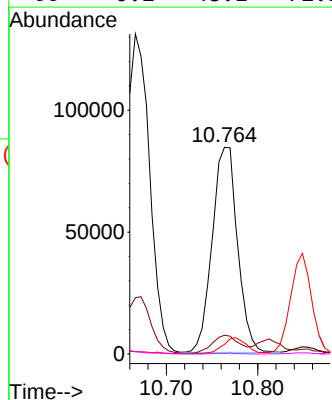
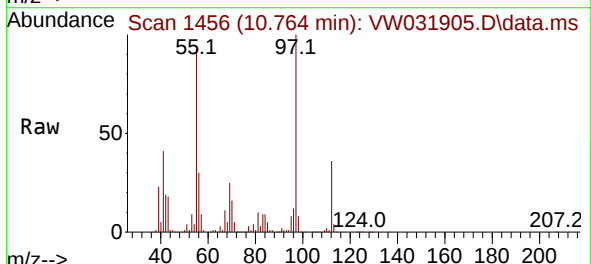
Instrument :
MSVOA_W
ClientSampleId :
SOIL

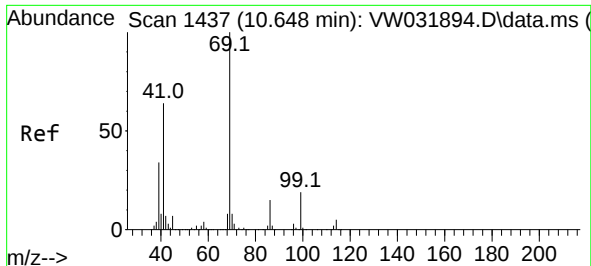
Tgt Ion: 75 Resp: 155927
Ion Ratio Lower Upper
75 100
77 167.4 25.2 37.8#



#55
1,1,2-Trichloroethane
Concen: 80.985 ug/l
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 97 Resp: 161868
Ion Ratio Lower Upper
97 100
83 8.7 62.4 93.6#
85 4.5 41.0 61.6#
99 0.2 48.1 72.1#

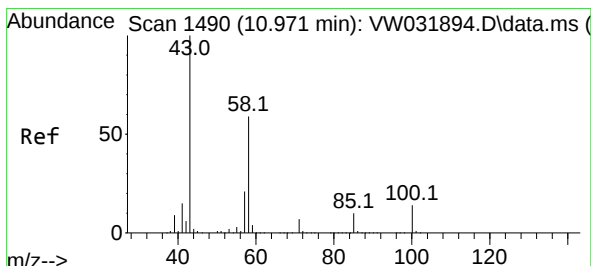
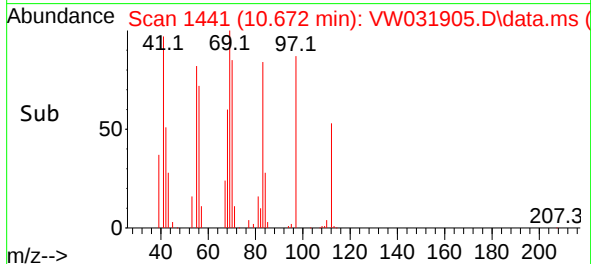
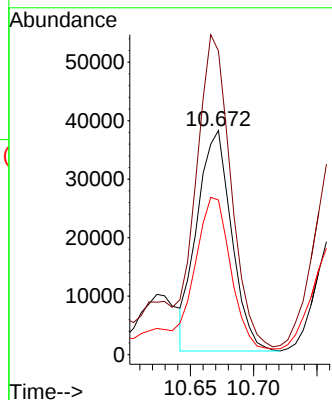
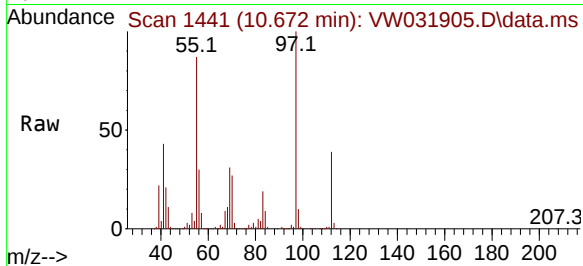




#56
Ethyl methacrylate
Concen: 25.293 ug/l
RT: 10.672 min Scan# 1441
Delta R.T. 0.024 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

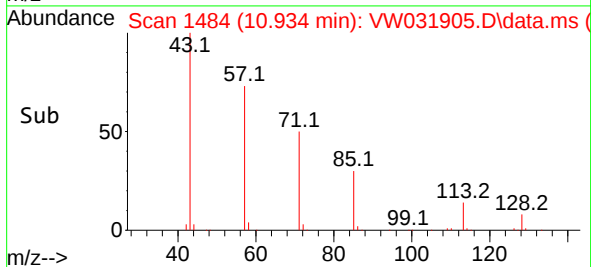
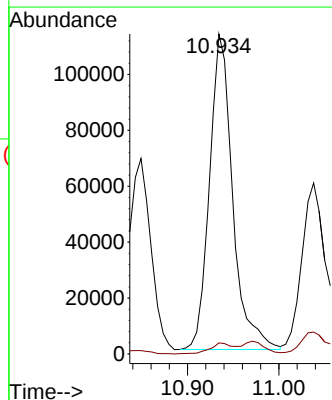
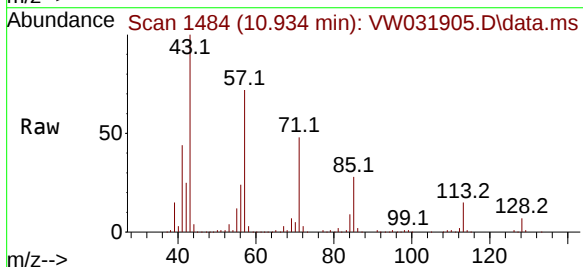
Instrument :
MSVOA_W
ClientSampleId :
SOIL

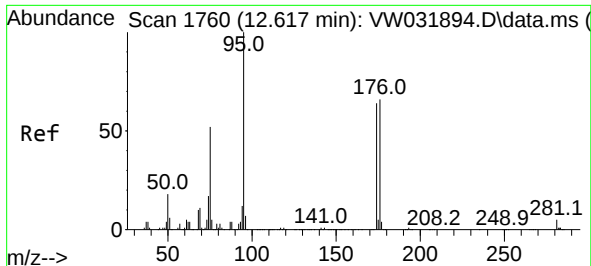
Tgt Ion: 69 Resp: 71398
Ion Ratio Lower Upper
69 100
41 141.9 52.0 78.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 148.565 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.037 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 43 Resp: 198723
Ion Ratio Lower Upper
43 100
58 3.5 28.5 85.6#

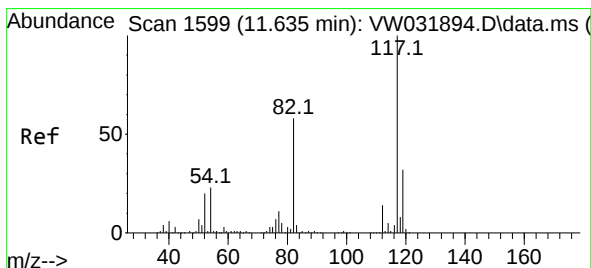
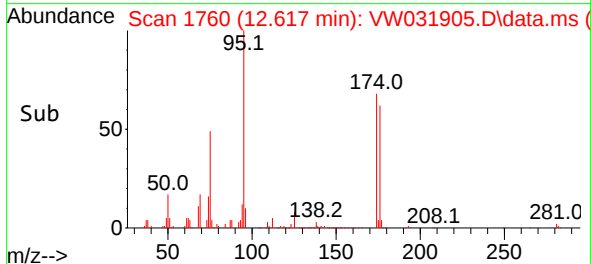
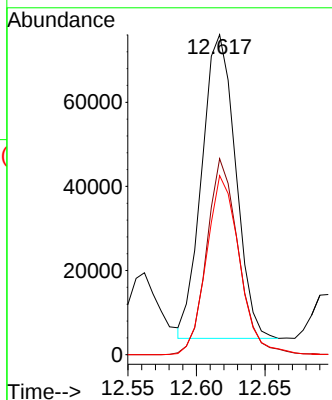
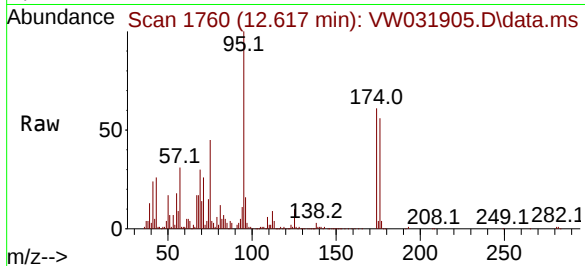




#62
4-Bromofluorobenzene
Concen: 38.399 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

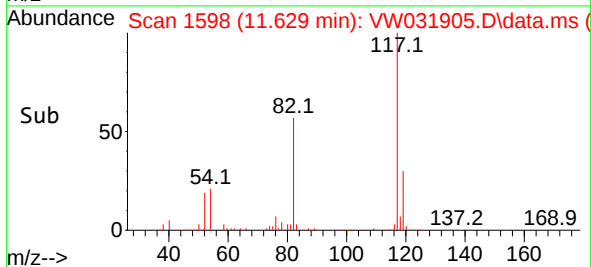
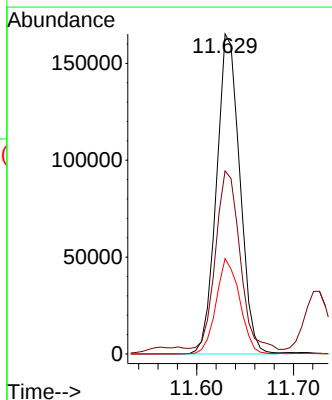
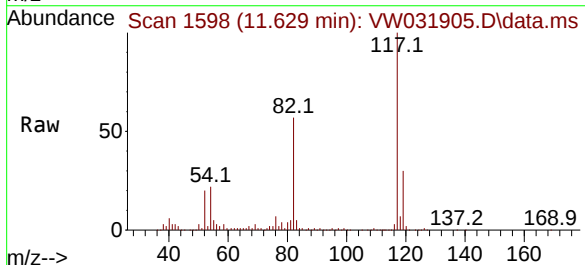
Instrument :
MSVOA_W
ClientSampleId :
SOIL

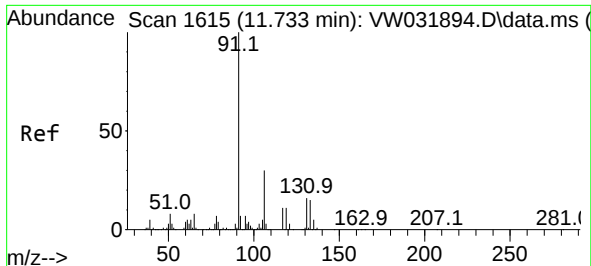
Tgt Ion: 95 Resp: 123722
Ion Ratio Lower Upper
95 100
174 61.0 0.0 129.8
176 57.9 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 117 Resp: 276492
Ion Ratio Lower Upper
117 100
82 55.8 46.5 69.7
119 29.8 25.8 38.6





#67

Ethyl Benzene

Concen: 325.610 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

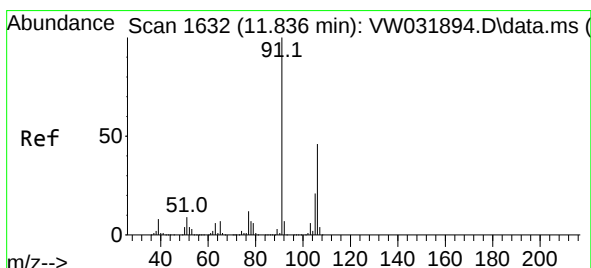
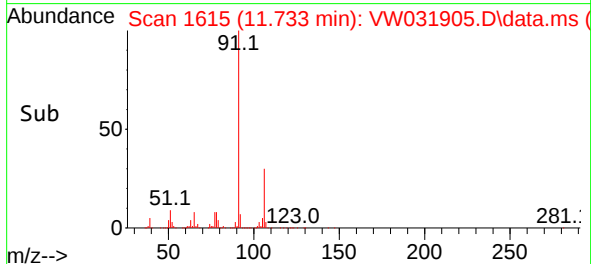
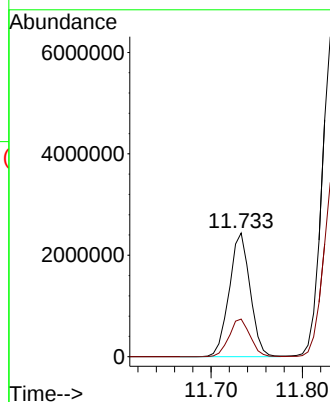
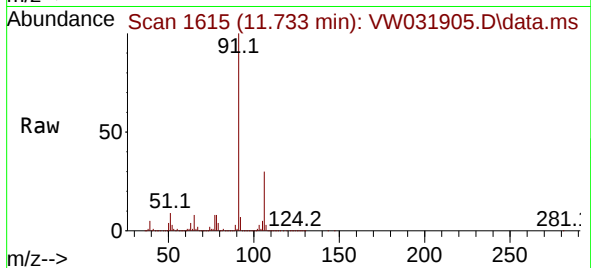
SOIL

Tgt Ion: 91 Resp: 3871373

Ion Ratio Lower Upper

91 100

106 30.5 23.8 35.6



#68

m/p-Xylenes

Concen: 1523.425 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031905.D

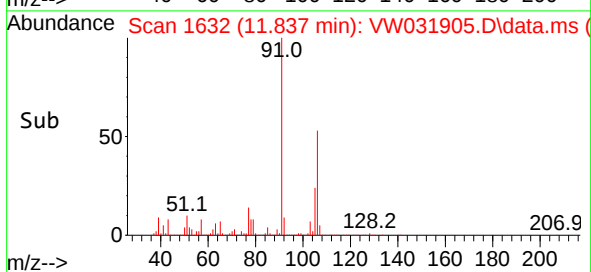
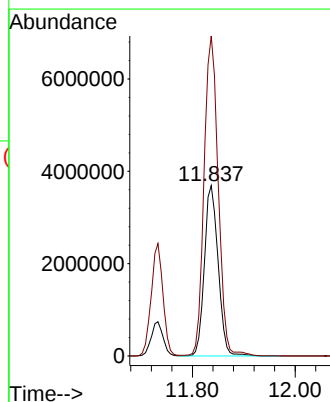
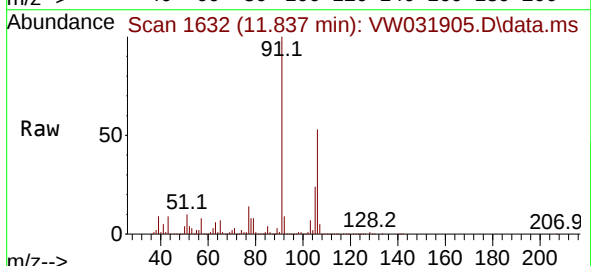
Acq: 23 Jul 2025 12:14

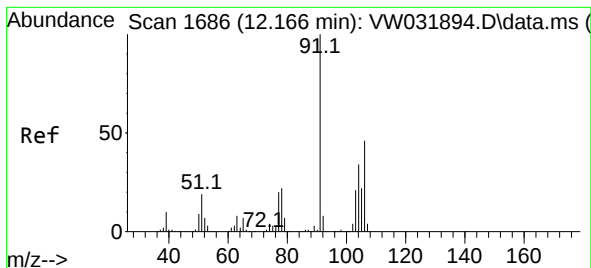
Tgt Ion:106 Resp: 6818717

Ion Ratio Lower Upper

106 100

91 194.1 167.7 251.5





#69

o-Xylene

Concen: 715.089 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

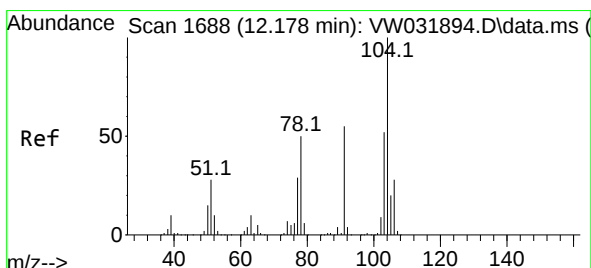
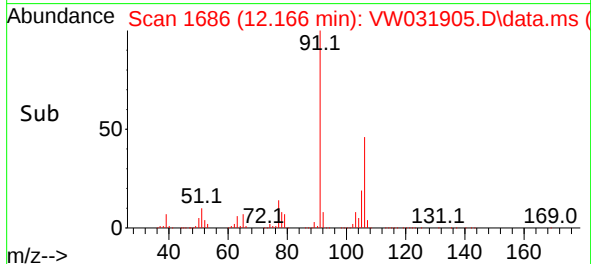
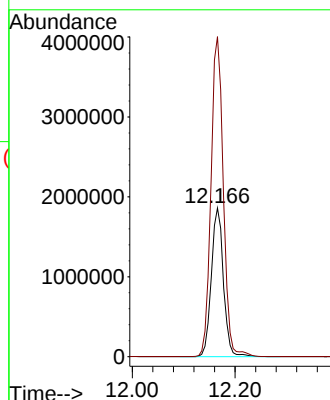
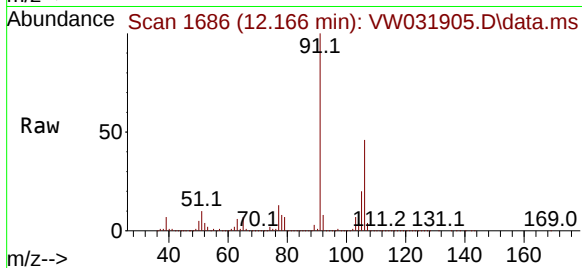
SOIL

Tgt Ion:106 Resp: 3029022

Ion Ratio Lower Upper

106 100

91 219.7 108.2 324.6



#70

Styrene

Concen: 73.471 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

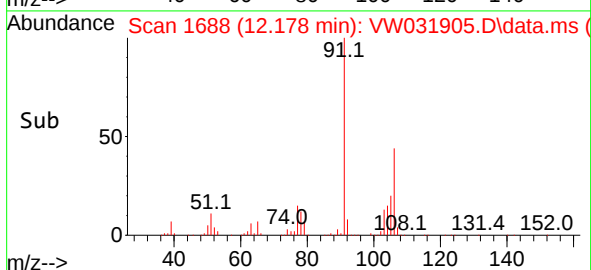
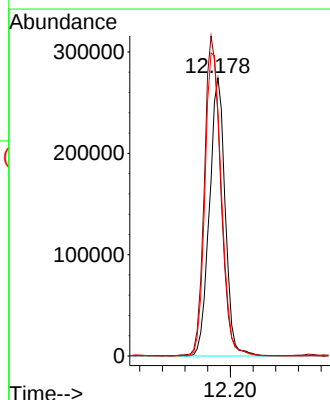
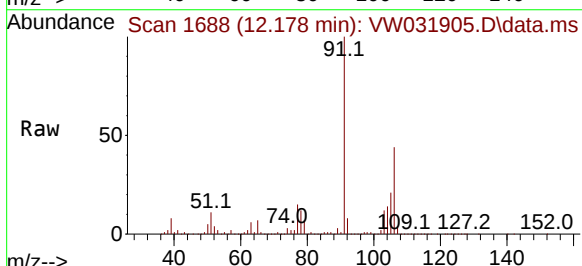
Tgt Ion:104 Resp: 529867

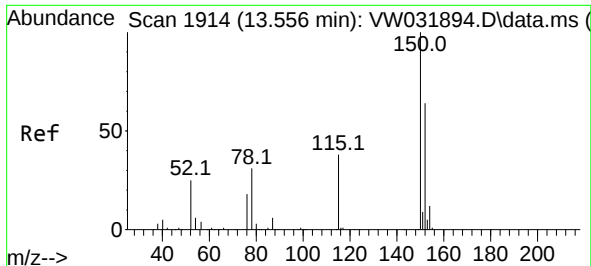
Ion Ratio Lower Upper

104 100

78 118.5 42.2 63.4#

103 114.8 42.8 64.2#

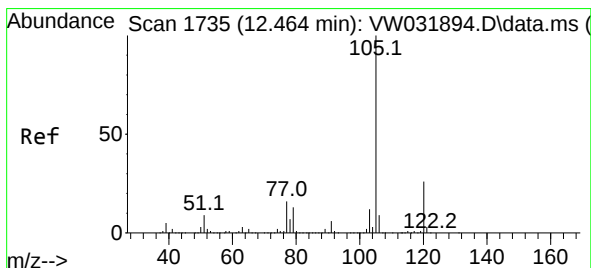
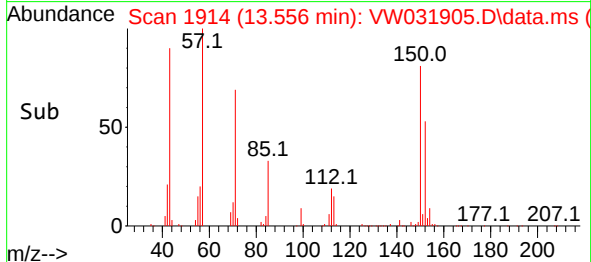
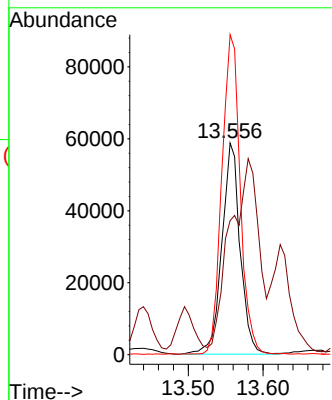
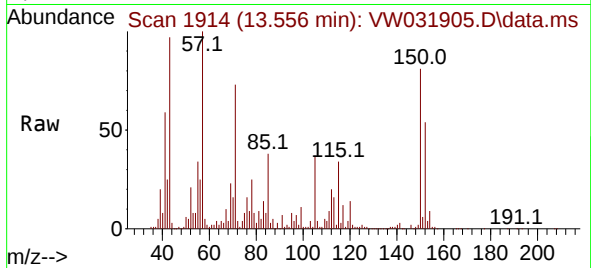




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

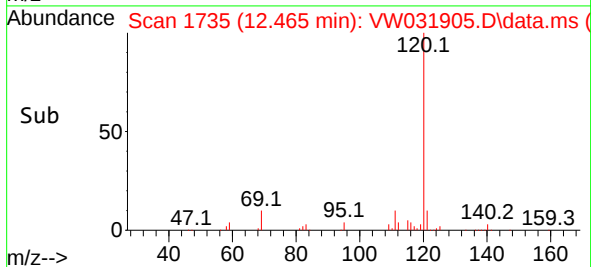
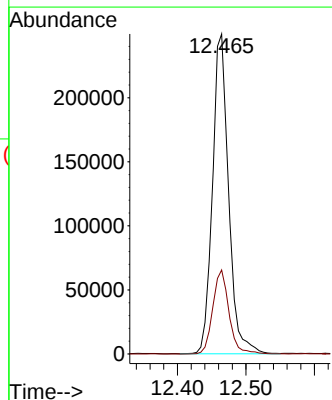
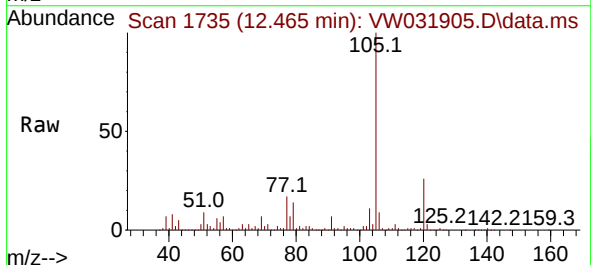
Instrument :
MSVOA_W
ClientSampleId :
SOIL

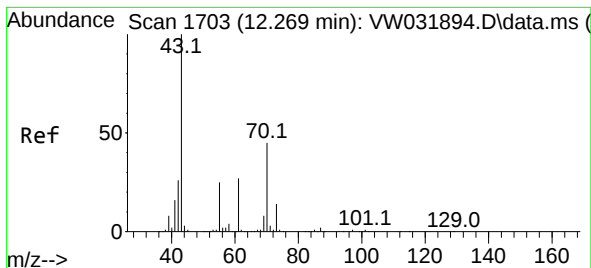
Tgt Ion:152 Resp: 99864
Ion Ratio Lower Upper
152 100
115 0.0 33.4 100.1#
150 151.7 0.0 352.2



#73
Isopropylbenzene
Concen: 47.084 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

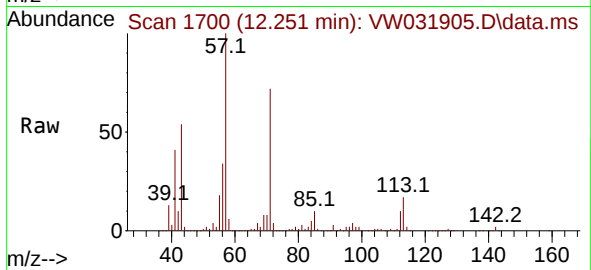
Tgt Ion:105 Resp: 407973
Ion Ratio Lower Upper
105 100
120 26.4 12.6 37.8



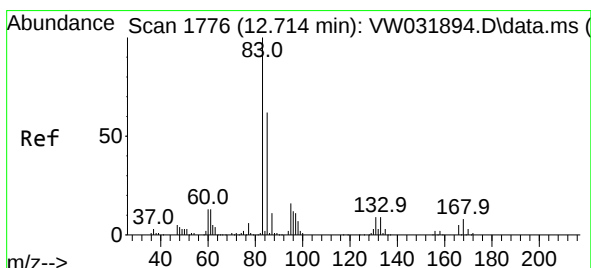
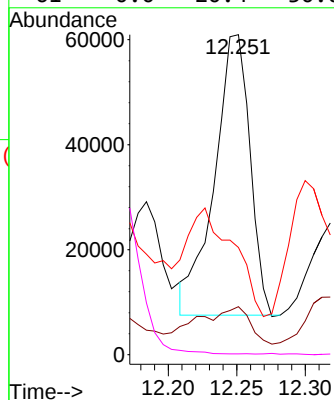
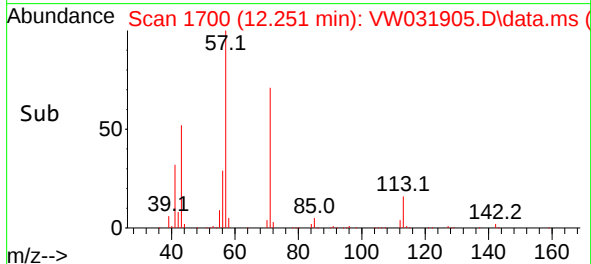


#74
N-amy1 acetate
Concen: 41.047 ug/l
RT: 12.251 min Scan# 1700
Delta R.T. -0.018 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
SOIL

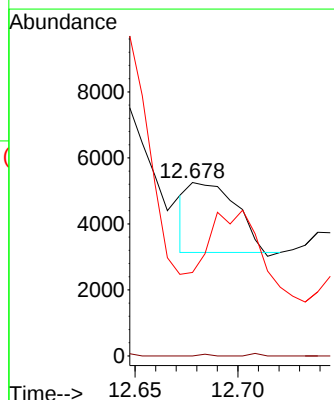
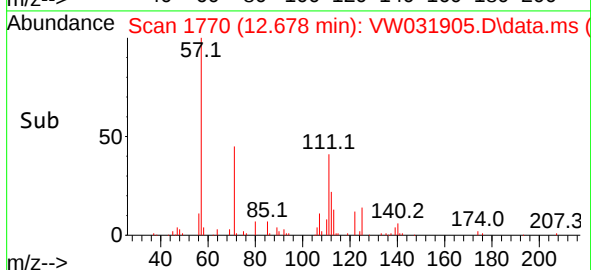
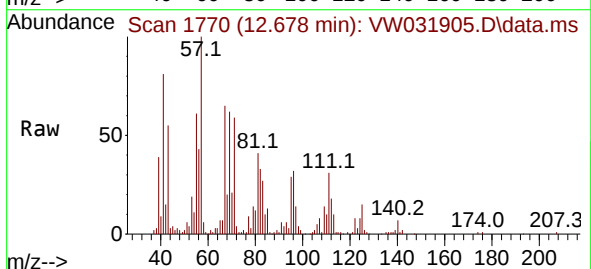


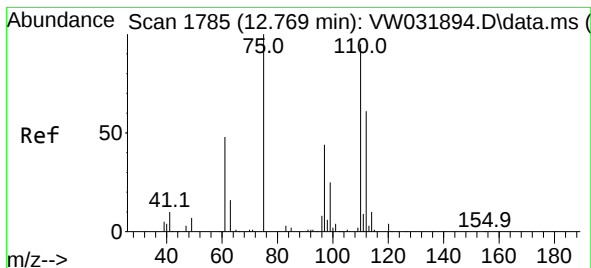
Tgt Ion:	43	Resp:	96152
Ion Ratio	Lower	Upper	
43	100		
70	19.9	36.6	55.0#
55	0.0	20.7	31.1#
61	0.0	20.4	30.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.848 ug/l
RT: 12.678 min Scan# 1770
Delta R.T. -0.037 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion:	83	Resp:	3399
Ion Ratio	Lower	Upper	
83	100		
131	0.6	5.0	15.0#
85	0.0	31.8	95.3#





#76

1,2,3-Trichloropropane

Concen: 3.562 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.031 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

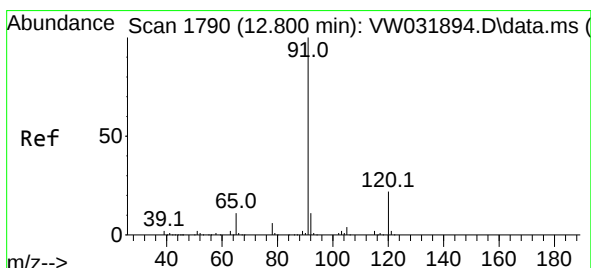
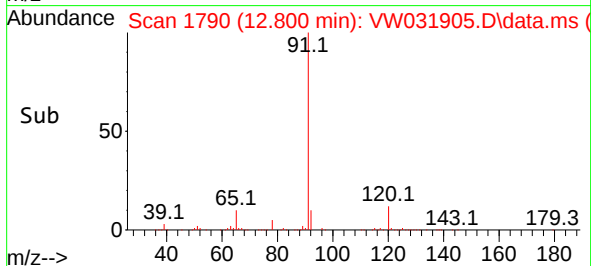
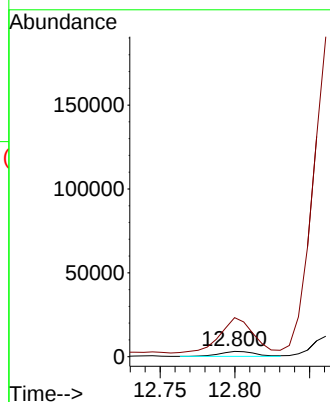
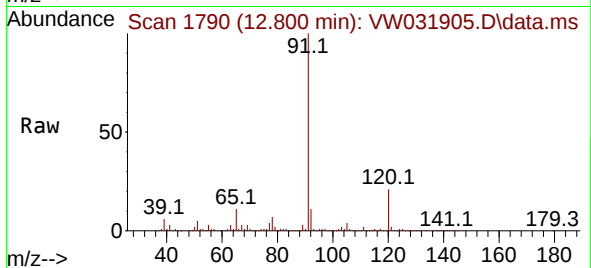
SOIL

Tgt Ion: 75 Resp: 4911

Ion Ratio Lower Upper

75 100

77 665.0 0.0 0.0#



#78

n-propylbenzene

Concen: 79.986 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031905.D

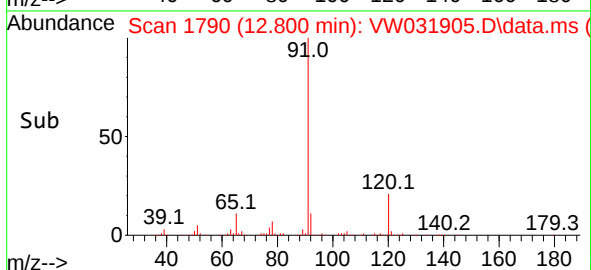
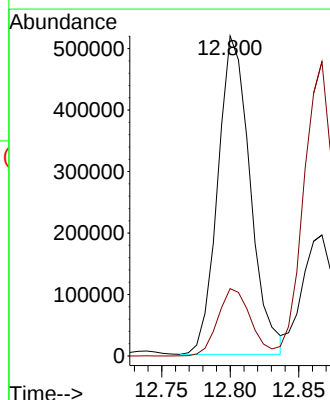
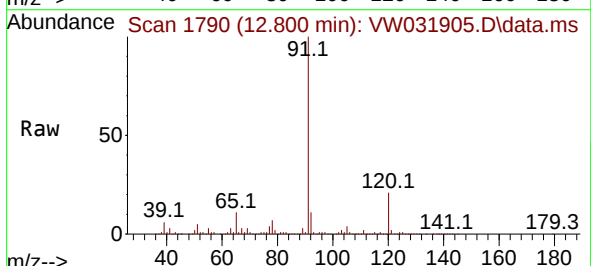
Acq: 23 Jul 2025 12:14

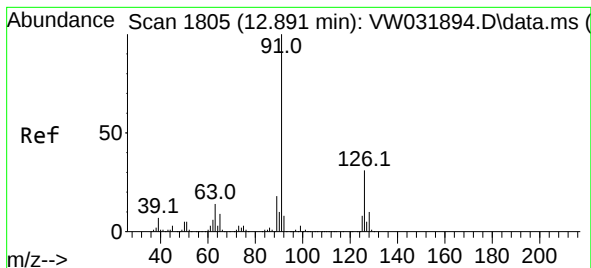
Tgt Ion: 91 Resp: 851209

Ion Ratio Lower Upper

91 100

120 21.4 10.9 32.6

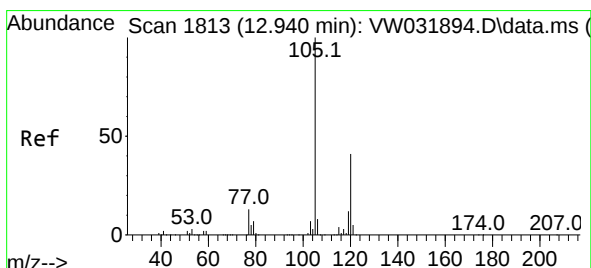
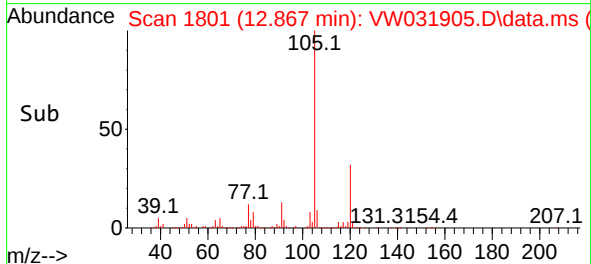
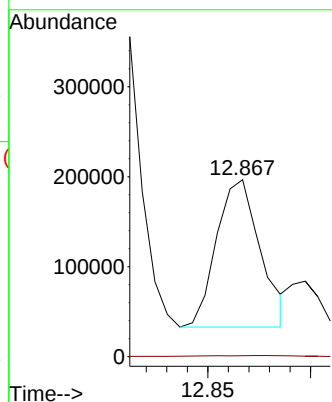
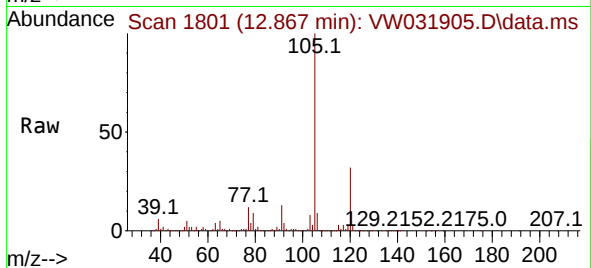




#79
2-Chlorotoluene
Concen: 38.088 ug/l
RT: 12.867 min Scan# 11
Delta R.T. -0.024 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

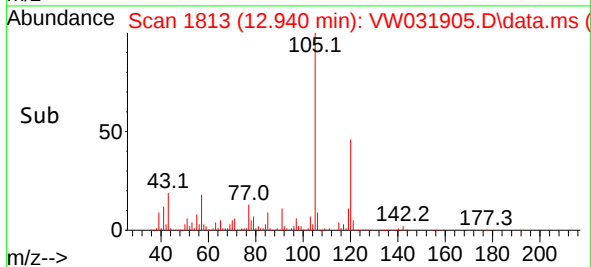
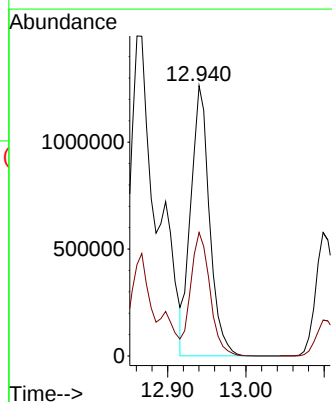
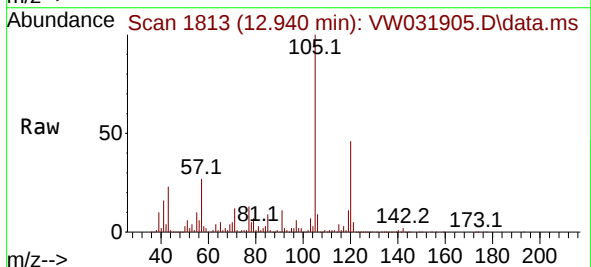
Instrument :
MSVOA_W
ClientSampleId :
SOIL

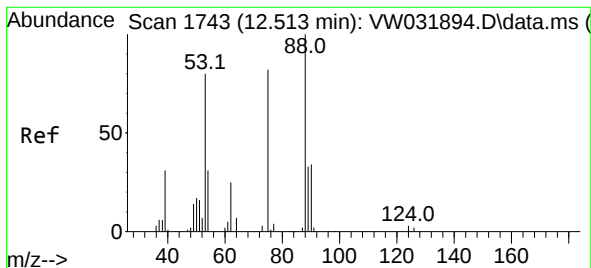
Tgt Ion: 91 Resp: 242012
Ion Ratio Lower Upper
91 100
126 1.2 15.6 46.8#



#80
1,3,5-Trimethylbenzene
Concen: 289.500 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 105 Resp: 2103820
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5

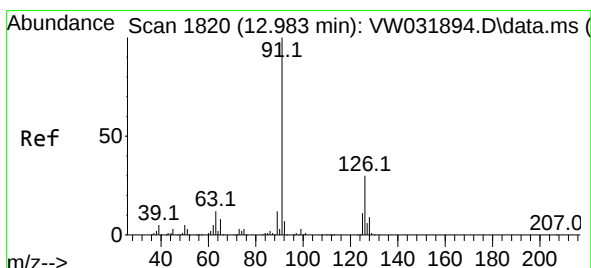
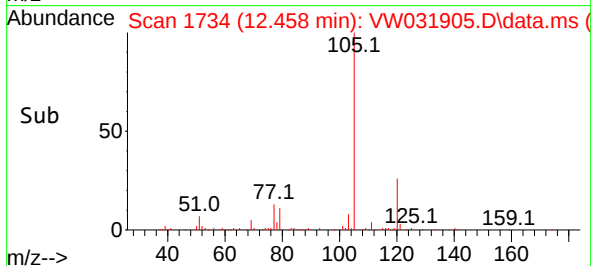
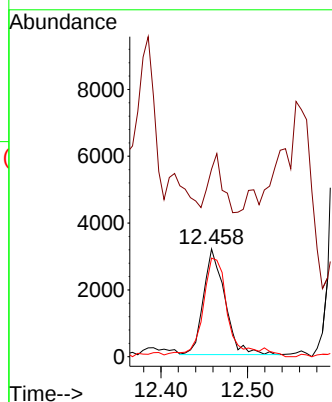
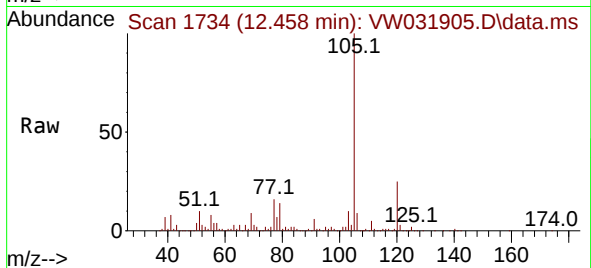




#81
trans-1,4-Dichloro-2-butene
Concen: 9.072 ug/l
RT: 12.458 min Scan# 11
Delta R.T. -0.055 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

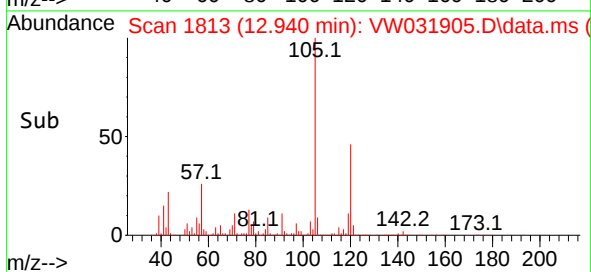
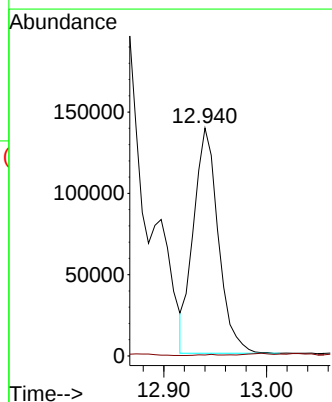
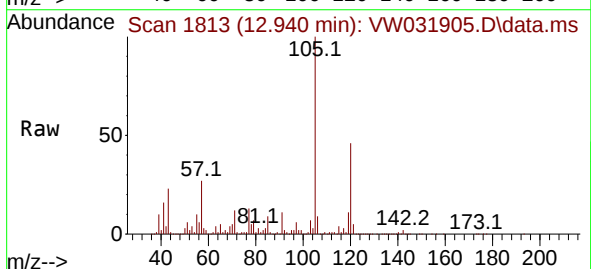
Instrument :
MSVOA_W
ClientSampleId :
SOIL

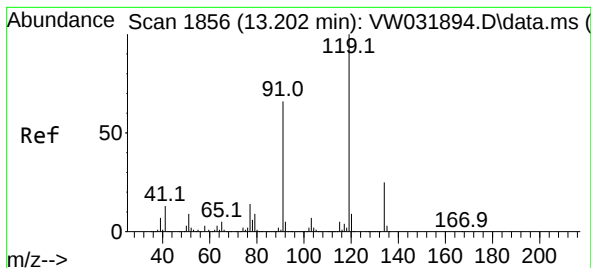
Tgt Ion: 75 Resp: 5418
Ion Ratio Lower Upper
75 100
53 33.2 83.7 125.5#
89 100.6 39.0 58.6#



#82
4-Chlorotoluene
Concen: 34.896 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.043 min
Lab File: VW031905.D
Acq: 23 Jul 2025 12:14

Tgt Ion: 91 Resp: 232610
Ion Ratio Lower Upper
91 100
126 0.4 15.8 47.3#

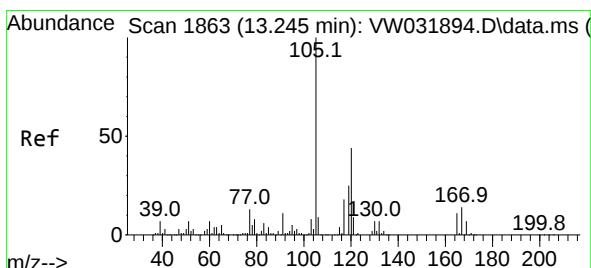
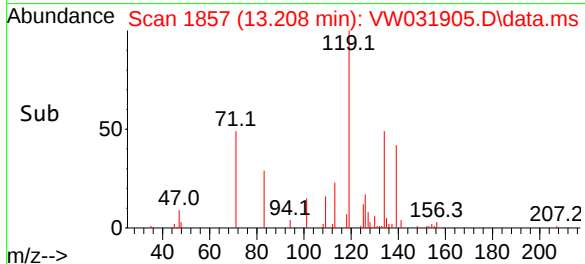
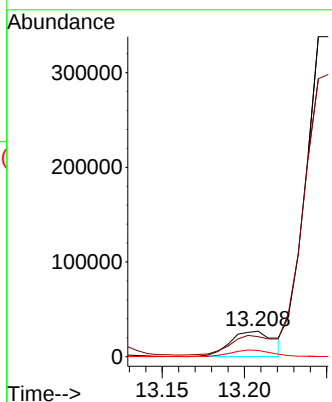
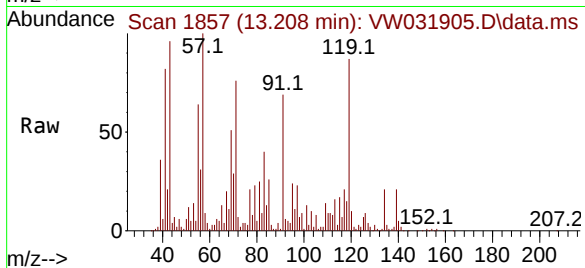




#83
 tert-Butylbenzene
 Concen: 7.988 ug/l
 RT: 13.208 min Scan# 1856
 Delta R.T. 0.006 min
 Lab File: VW031905.D
 Acq: 23 Jul 2025 12:14

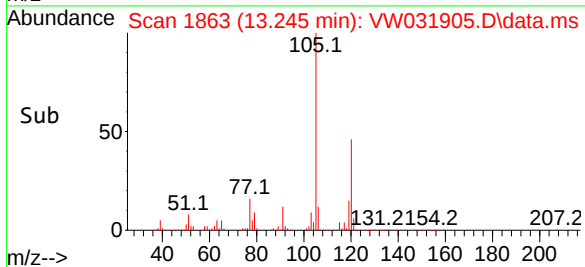
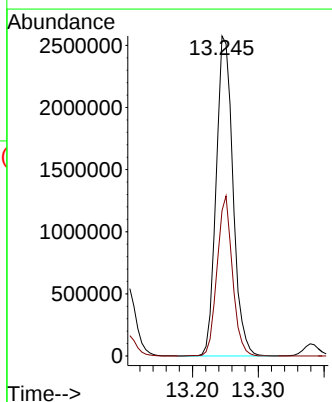
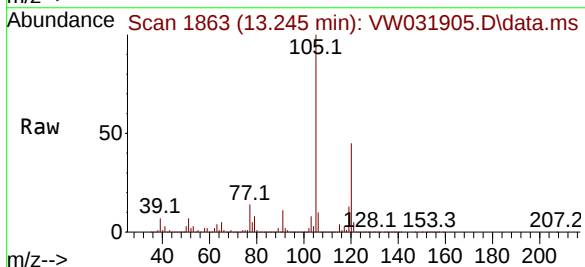
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL

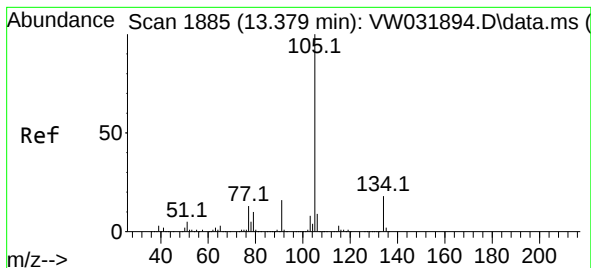
Tgt Ion:119 Resp: 49444
 Ion Ratio Lower Upper
 119 100
 91 66.6 35.5 106.5
 134 26.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 621.355 ug/l
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW031905.D
 Acq: 23 Jul 2025 12:14

Tgt Ion:105 Resp: 4570343
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.3 63.9





#85

sec-Butylbenzene

Concen: 17.357 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

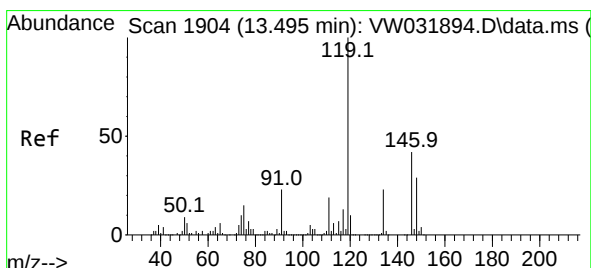
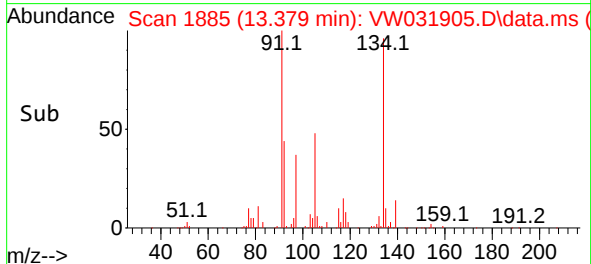
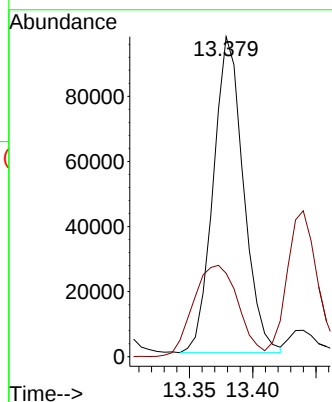
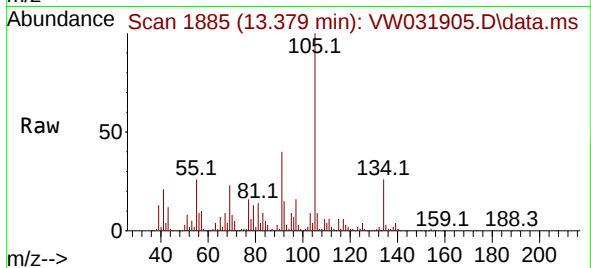
SOIL

Tgt Ion:105 Resp: 161352

Ion Ratio Lower Upper

105 100

134 42.7 9.2 27.6#



#86

p-Isopropyltoluene

Concen: 29.881 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

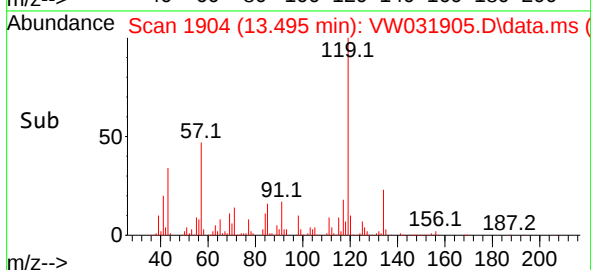
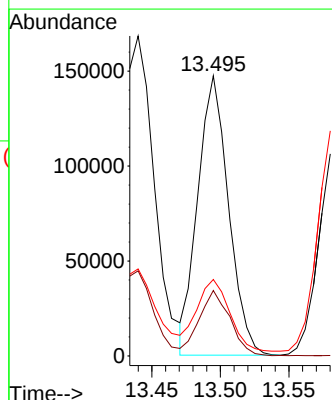
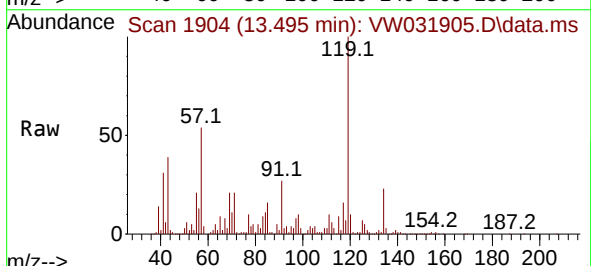
Tgt Ion:119 Resp: 229593

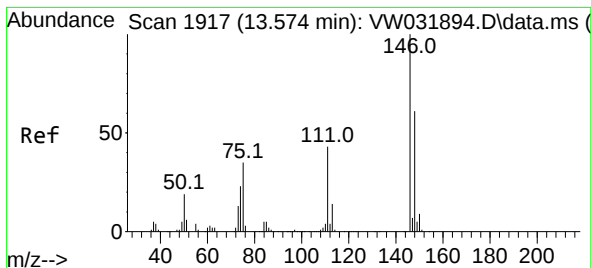
Ion Ratio Lower Upper

119 100

134 23.4 13.0 39.0

91 27.3 12.7 38.1





#88

1,4-Dichlorobenzene

Concen: 5.930 ug/l

RT: 13.580 min Scan# 1917

Delta R.T. 0.006 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

SOIL

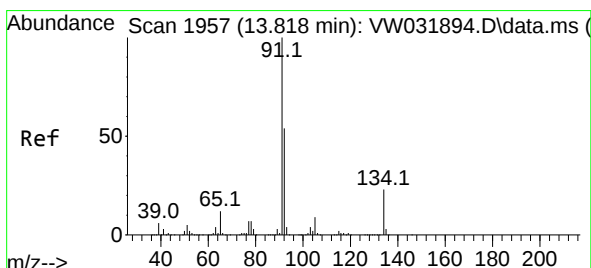
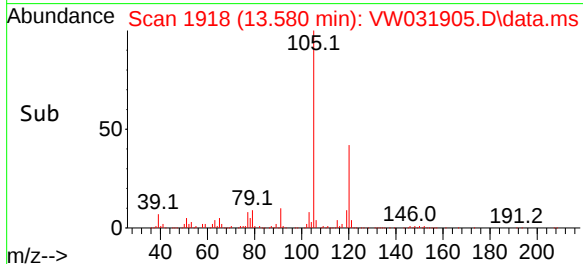
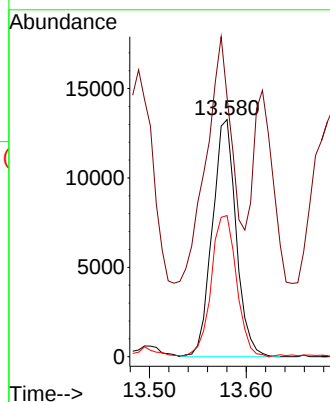
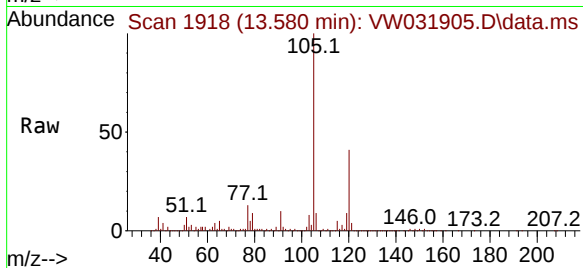
Tgt Ion:146 Resp: 22670

Ion Ratio Lower Upper

146 100

111 114.4 22.1 66.3#

148 63.2 31.8 95.3



#89

n-Butylbenzene

Concen: 23.883 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

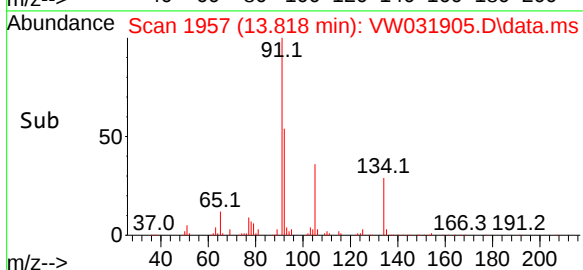
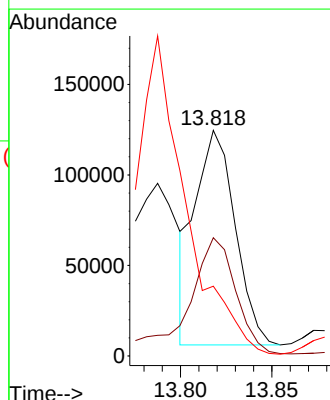
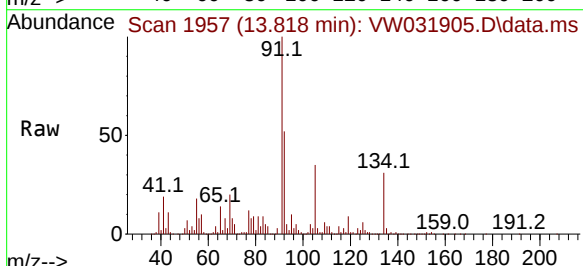
Tgt Ion: 91 Resp: 180019

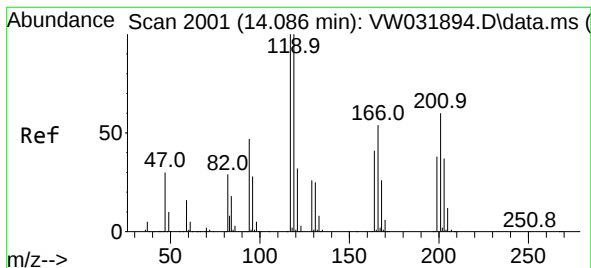
Ion Ratio Lower Upper

91 100

92 62.4 27.2 81.5

134 0.0 11.6 34.7#





#90

Hexachloroethane

Concen: 49.556 ug/l

RT: 14.092 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

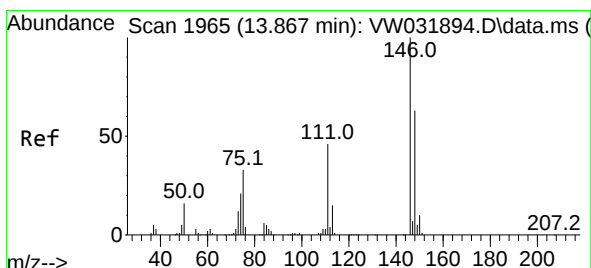
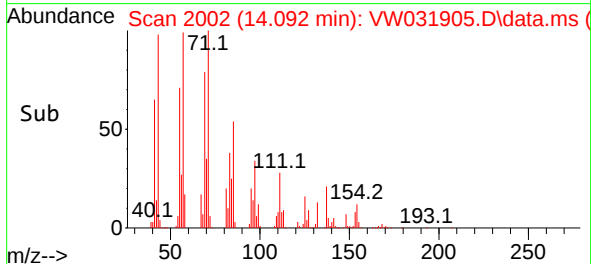
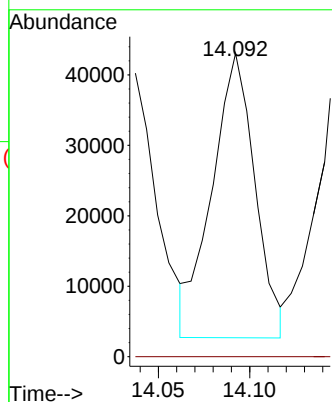
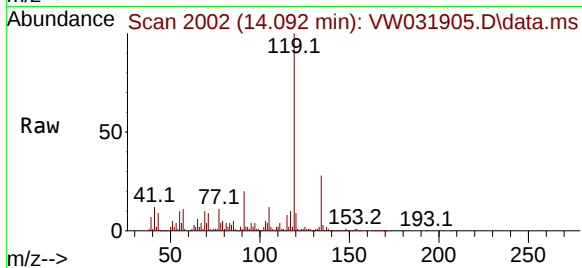
SOIL

Tgt Ion:117 Resp: 65842

Ion Ratio Lower Upper

117 100

201 0.0 28.4 85.2#



#91

1,2-Dichlorobenzene

Concen: 1.200 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

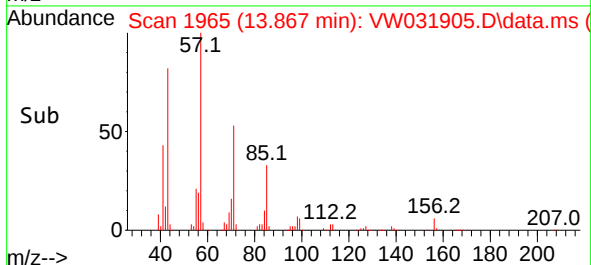
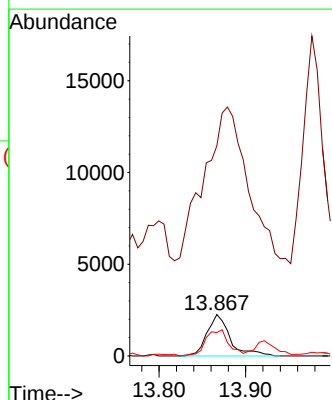
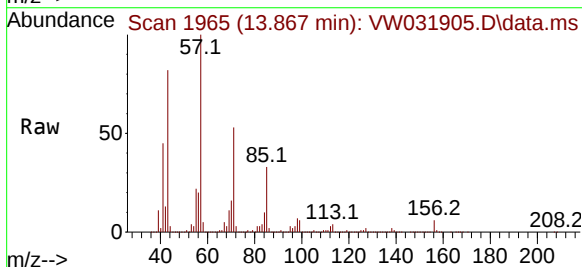
Tgt Ion:146 Resp: 4152

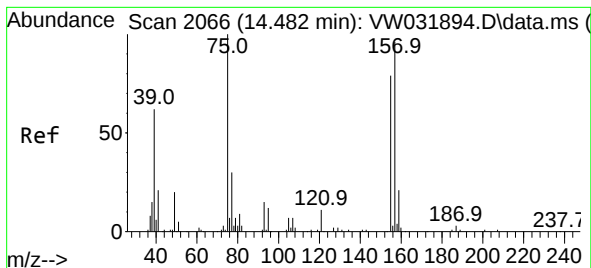
Ion Ratio Lower Upper

146 100

111 1025.3 23.6 71.0#

148 63.2 32.4 97.2

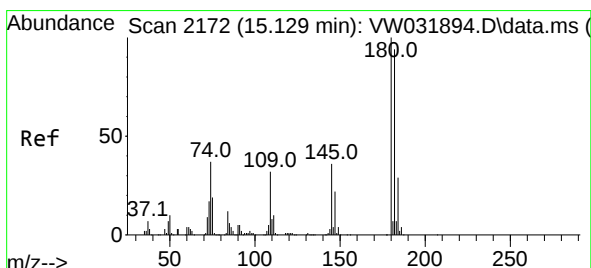
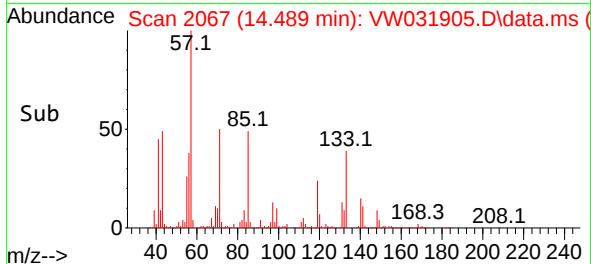
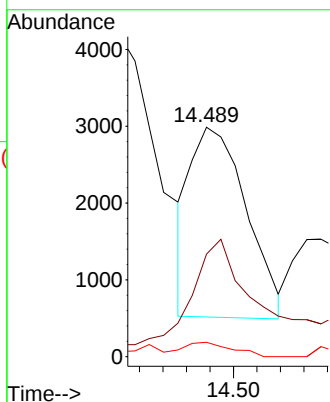
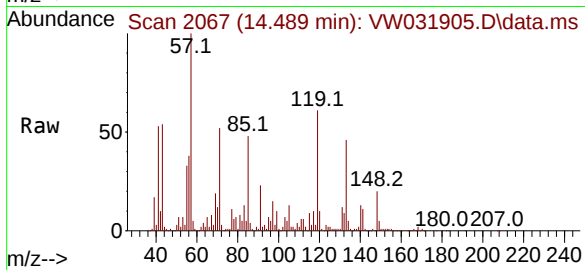




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.324 ug/l
 RT: 14.489 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VW031905.D
 Acq: 23 Jul 2025 12:14

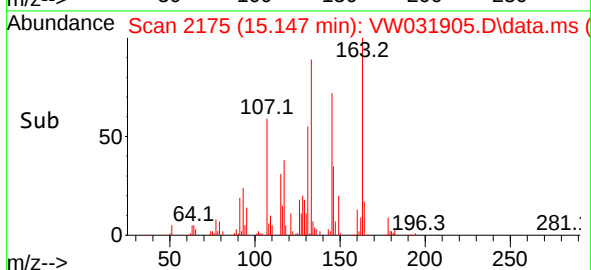
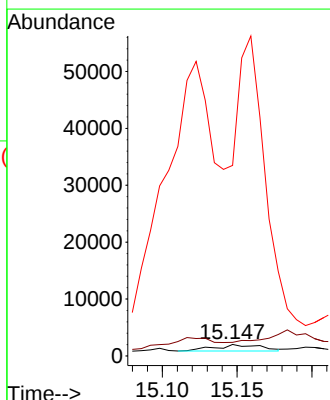
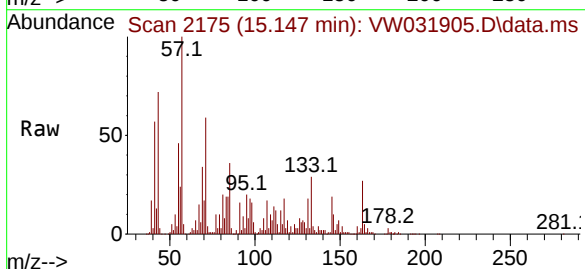
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL

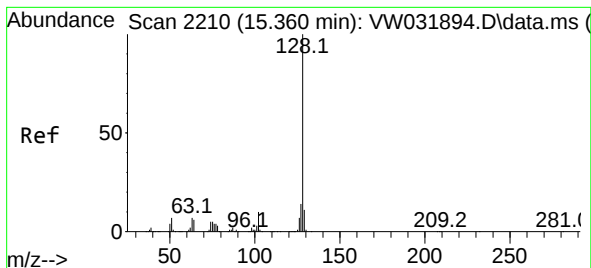
Tgt Ion: 75 Resp: 4095
 Ion Ratio Lower Upper
 75 100
 155 61.7 35.9 107.7
 157 6.7 47.4 142.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.145 ug/l
 RT: 15.147 min Scan# 2175
 Delta R.T. 0.018 min
 Lab File: VW031905.D
 Acq: 23 Jul 2025 12:14

Tgt Ion: 180 Resp: 2388
 Ion Ratio Lower Upper
 180 100
 182 0.0 51.0 153.1#
 145 3585.4 18.4 55.4#





#95

Naphthalene

Concen: 3995.760 ug/l

RT: 15.354 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

SOIL

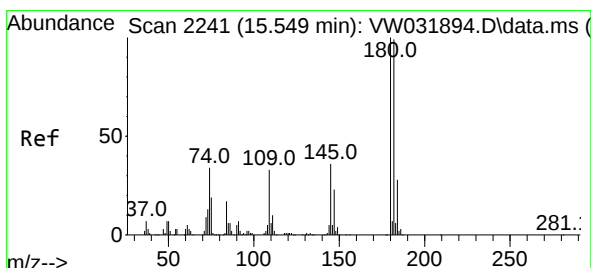
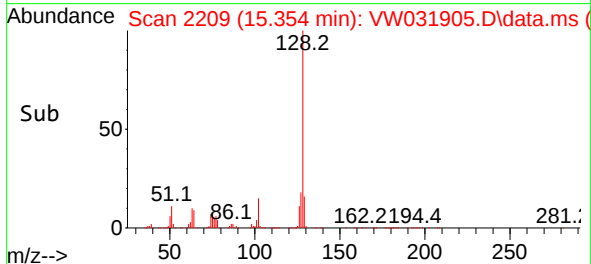
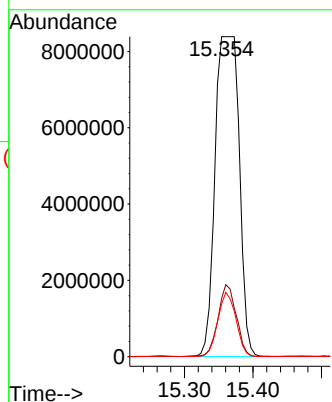
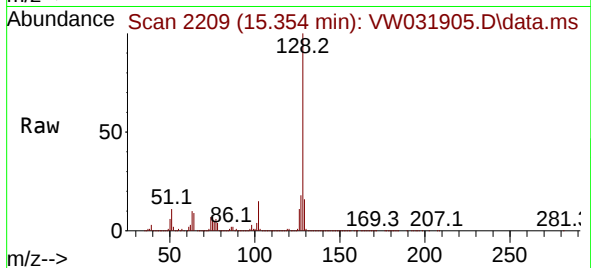
Tgt Ion:128 Resp:20490219

Ion Ratio Lower Upper

128 100

127 16.9 10.7 16.1#

129 15.0 9.2 13.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.604 ug/l

RT: 15.568 min Scan# 2244

Delta R.T. 0.018 min

Lab File: VW031905.D

Acq: 23 Jul 2025 12:14

Tgt Ion:180 Resp: 3032

Ion Ratio Lower Upper

180 100

182 79.9 50.4 151.2

145 0.0 18.6 55.8#

