

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052225\
 Data File : VW031708.D
 Acq On : 22 May 2025 10:37
 Operator : SY/MD
 Sample : Q1546-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

Quant Time: May 22 12:25:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 22 11:01:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	436491	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	302421	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	115466	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.363	65	231098	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	2.893	69	148220	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
11) 1,1-Dichloroethene-d2	4.021	65	98981	21.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.96%
21) 2-Butanone-d5	7.093	46	103746	48.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.58%
24) Chloroform-d	7.648	84	241324	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.045	65	90	0.02	ug/L	-0.26
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
32) Benzene-d6	8.270	84	554481	24.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.52%
36) 1,2-Dichloropropane-d6	9.270	67	126773	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
41) Toluene-d8	10.325	98	489733	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.16%
43) trans-1,3-Dichloroprop...	10.575	79	37958	21.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.92%
47) 2-Hexanone-d5	10.922	63	50056	44.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.74%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	83721	23.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.44%
66) 1,2-Dichlorobenzene-d4	13.848	152	95474	24.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.015	85	6676	0.77	ug/L #	83
3) Chloromethane	2.216	50	7965	1.16	ug/L	90
5) Vinyl chloride	2.369	62	7895	0.76	ug/L #	32
6) Bromomethane	2.789	94	4088	0.97	ug/L	99
8) Chloroethane	2.923	64	1875	0.38	ug/L	85
9) Trichlorofluoromethane	3.259	101	6681	0.82	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	10051	0.93	ug/L #	57
12) 1,1-Dichloroethene	4.039	96	10099	1.18	ug/L #	1
13) Acetone	4.167	43	2665	1.72	ug/L	87
14) Carbon disulfide	4.381	76	11427	0.44	ug/L	96
16) Methylene chloride	4.905	84	2323	0.52	ug/L	74
17) trans-1,2-Dichloroethene	5.423	96	6533	0.90	ug/L	93
18) Methyl tert-butyl Ether	5.417	73	2512	0.49	ug/L #	68
19) 1,1-Dichloroethane	6.209	63	11413	1.01	ug/L #	89
20) cis-1,2-Dichloroethene	7.161	96	3175	0.57	ug/L	91
23) Bromochloromethane	7.520	128	940	0.52	ug/L #	84
25) Chloroform	7.679	83	10015	1.03	ug/L	99
27) 1,2-Dichloroethane	8.404	62	5027	1.12	ug/L	97
29) Cyclohexane	7.953	56	15789	0.81	ug/L	97

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 Response via : Initial Calibration

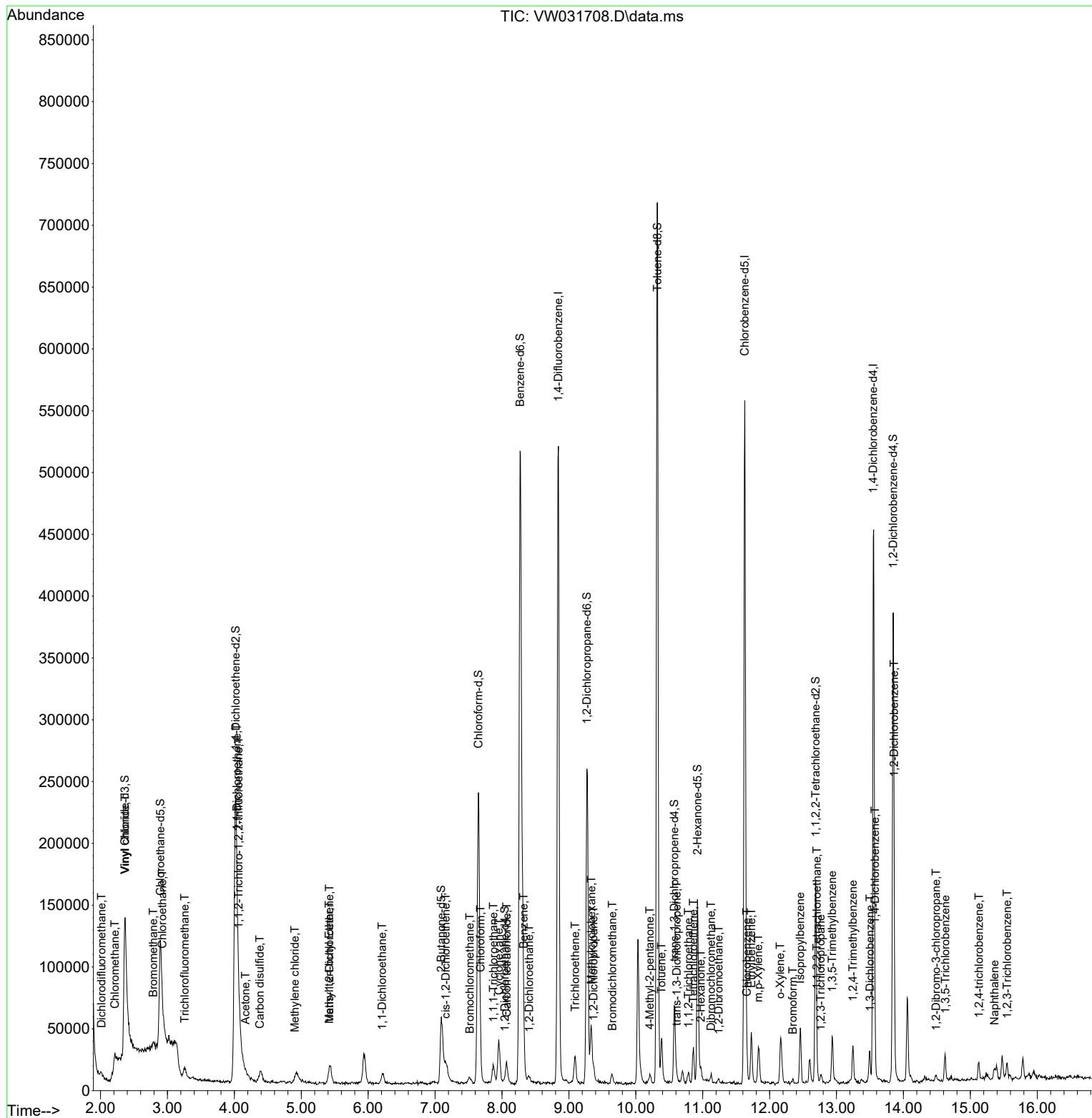
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.874	97	11785	0.93	ug/L	99
31) Carbon tetrachloride	8.069	117	11974	0.94	ug/L	100
33) Benzene	8.325	78	22405	0.91	ug/L	100
34) Trichloroethene	9.093	95	7914	0.97	ug/L	89
35) Methylcyclohexane	9.337	83	16805	0.78	ug/L	99
37) 1,2-Dichloropropane	9.367	63	4602	0.96	ug/L	98
38) Bromodichloromethane	9.648	83	5159	0.98	ug/L	88
40) 4-Methyl-2-pentanone	10.209	43	5303	1.80	ug/L #	84
42) Toluene	10.386	91	24675	0.94	ug/L	98
44) trans-1,3-Dichloropropene	10.611	75	3926	0.88	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	2928	1.07	ug/L	93
46) Tetrachloroethene	10.861	164	6499	0.96	ug/L	93
48) 2-Hexanone	10.971	43	4639	1.99	ug/L #	90
49) Dibromochloromethane	11.123	129	2399	0.87	ug/L	95
50) 1,2-Dibromoethane	11.239	107	2626	1.02	ug/L #	98
51) Chlorobenzene	11.660	112	12779	0.98	ug/L	85
52) Ethylbenzene	11.727	91	26942	0.85	ug/L	95
53) m,p-Xylene	11.830	106	9339	0.82	ug/L	99
54) o-Xylene	12.160	106	7837	0.88	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	3843	1.08	ug/L #	81
59) Bromoform	12.349	173	1589	1.16	ug/L #	84
60) Isopropylbenzene	12.458	105	27586	0.87	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	2870	1.13	ug/L	94
62) 1,3,5-Trimethylbenzene	12.934	105	18411	0.85	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	15230	0.82	ug/L	100
64) 1,3-Dichlorobenzene	13.501	146	7991	0.95	ug/L	86
65) 1,4-Dichlorobenzene	13.574	146	7651	0.98	ug/L #	81
67) 1,2-Dichlorobenzene	13.861	146	6906	1.08	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	14.488	75	1268	1.54	ug/L #	45
69) 1,3,5-Trichlorobenzene	14.629	180	5858	1.01	ug/L	90
70) 1,2,4-trichlorobenzene	15.129	180	4042	1.03	ug/L	97
71) Naphthalene	15.360	128	8135	1.07	ug/L	96
72) 1,2,3-Trichlorobenzene	15.549	180	3512	1.10	ug/L #	83

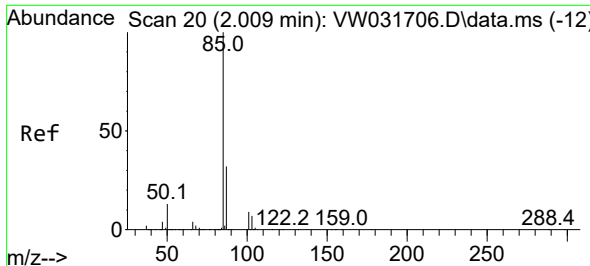
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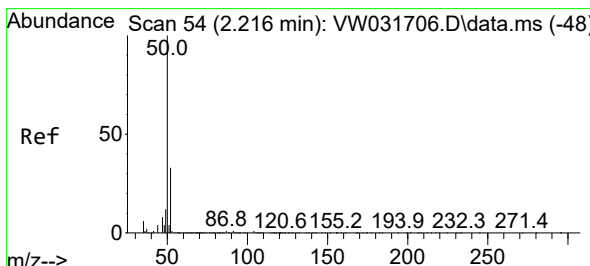
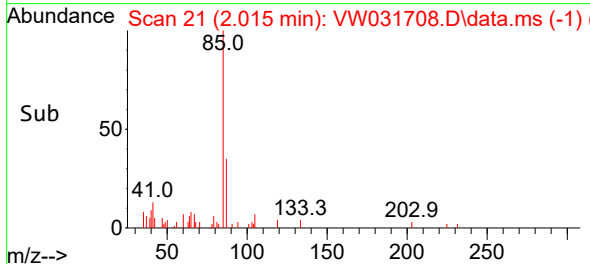
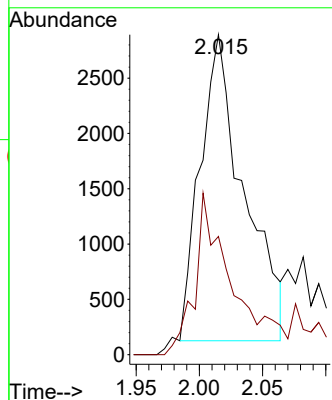
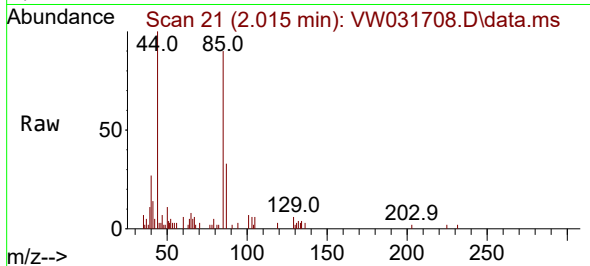




#2
Dichlorodifluoromethane
Concen: 0.77 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

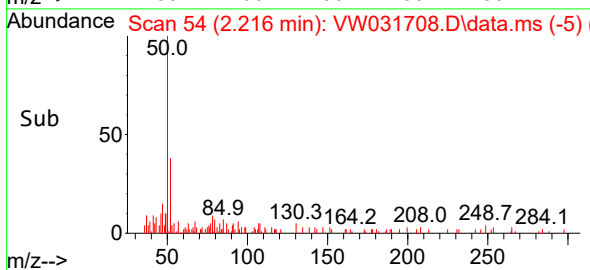
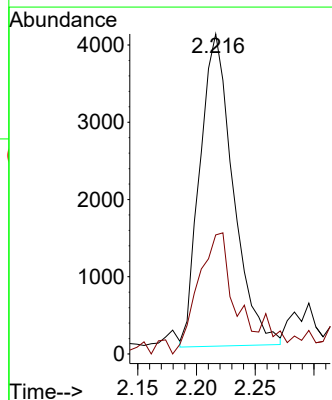
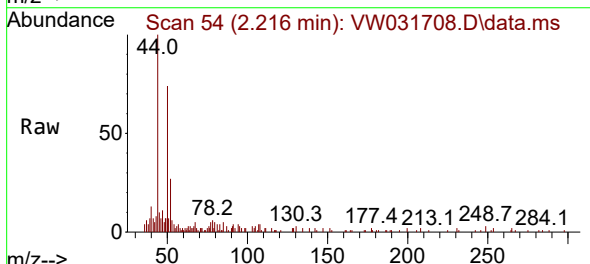
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ClientSampleId :
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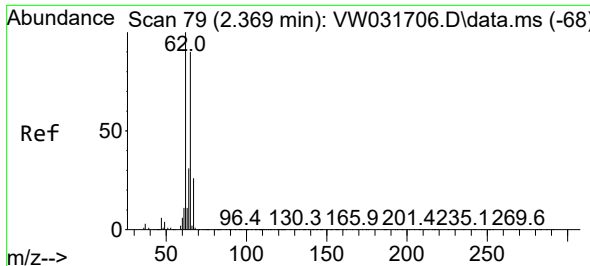
Tgt Ion: 85 Resp: 6676
Ion Ratio Lower Upper
85 100
87 39.4 0.1 0.1#



#3
Chloromethane
Concen: 1.16 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 50 Resp: 7965
Ion Ratio Lower Upper
50 100
52 37.2 22.0 41.0

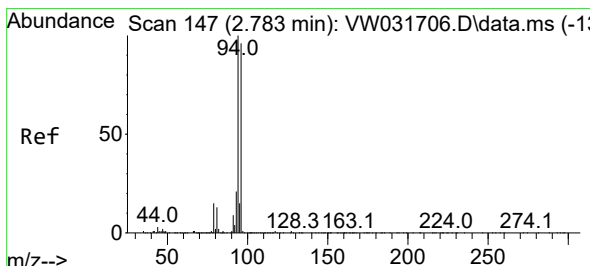
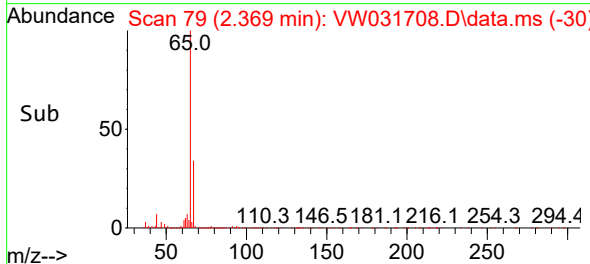
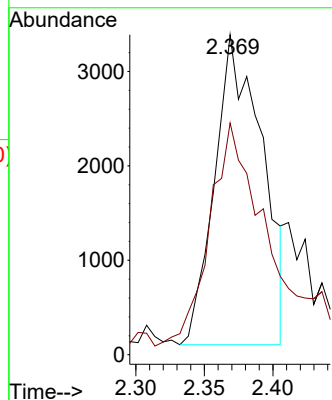
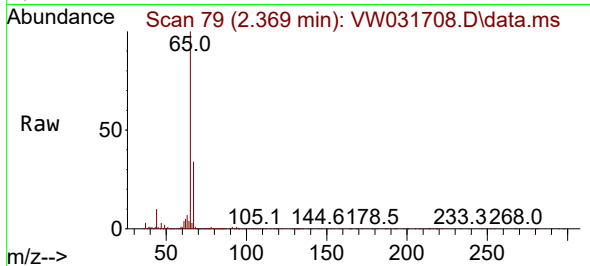




#5
 Vinyl chloride
 Concen: 0.76 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VW031708.D
 Acq: 22 May 2025 10:37

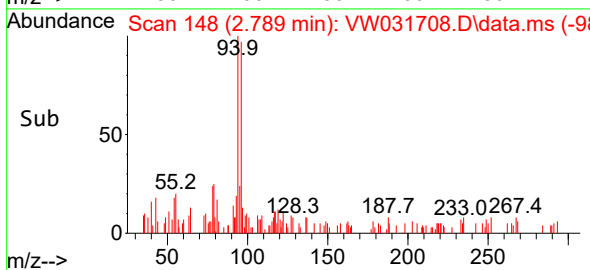
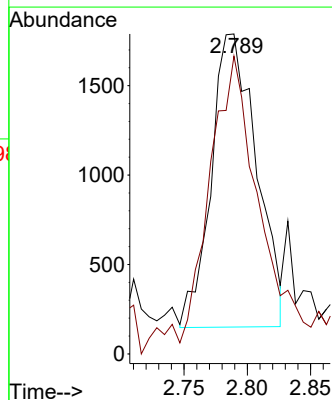
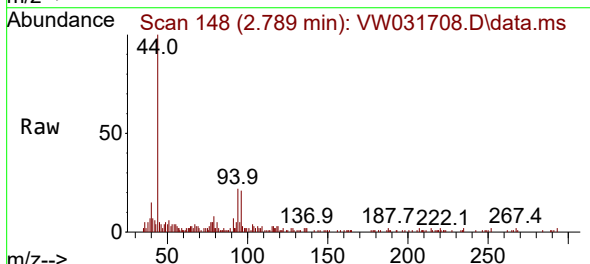
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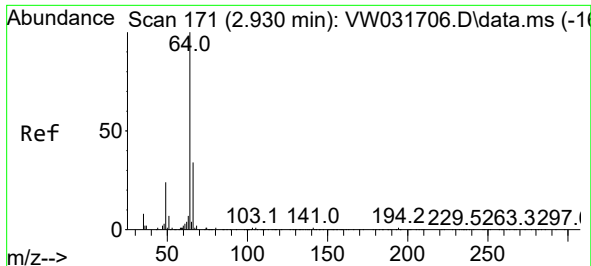
Tgt Ion: 62 Resp: 7895
 Ion Ratio Lower Upper
 62 100
 64 72.4 23.7 43.9#



#6
 Bromomethane
 Concen: 0.97 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW031708.D
 Acq: 22 May 2025 10:37

Tgt Ion: 94 Resp: 4088
 Ion Ratio Lower Upper
 94 100
 96 93.1 64.3 119.3

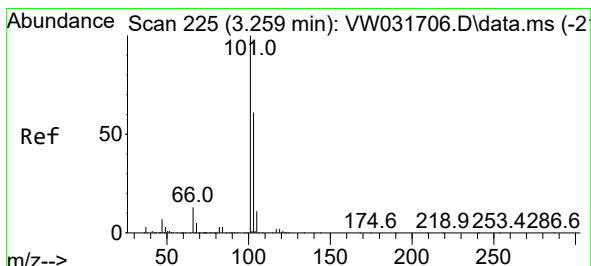
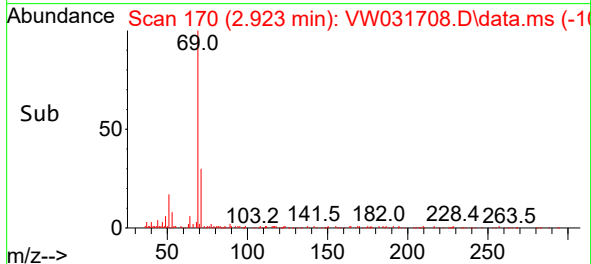
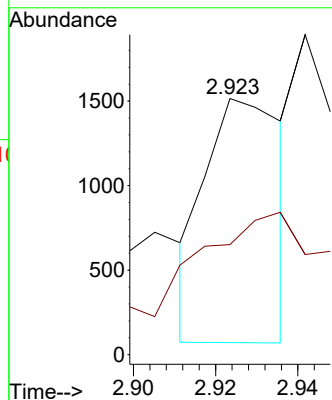
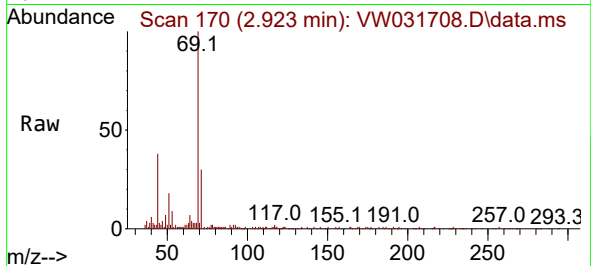




#8
Chloroethane
Concen: 0.38 ug/L
RT: 2.923 min Scan# 171
Delta R.T. -0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

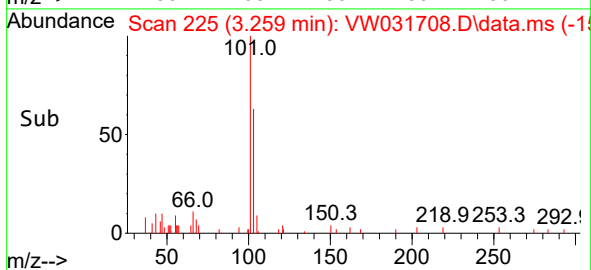
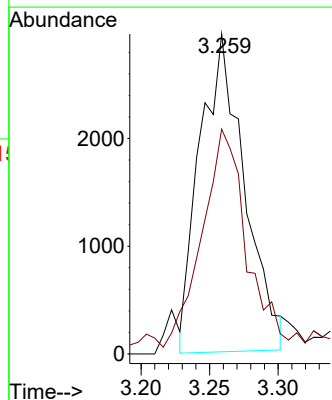
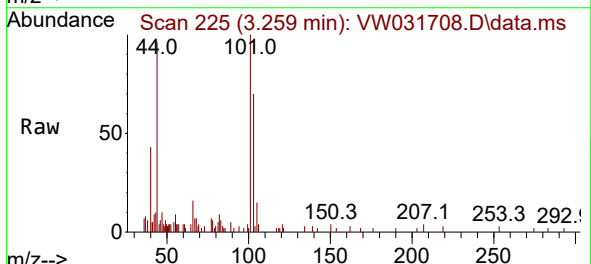
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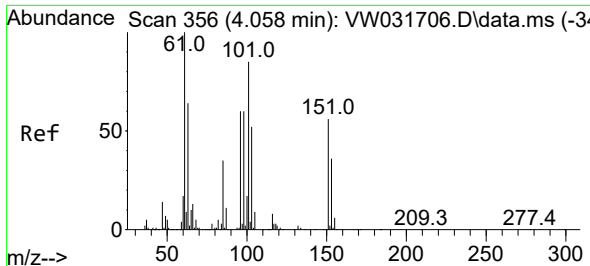
Tgt Ion: 64 Resp: 1875
Ion Ratio Lower Upper
64 100
66 43.0 23.9 44.5



#9
Trichlorofluoromethane
Concen: 0.82 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 101 Resp: 6681
Ion Ratio Lower Upper
101 100
103 70.0 51.8 77.8

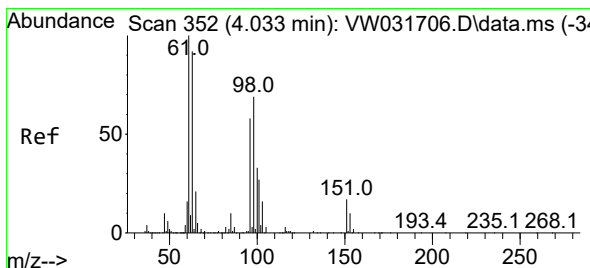
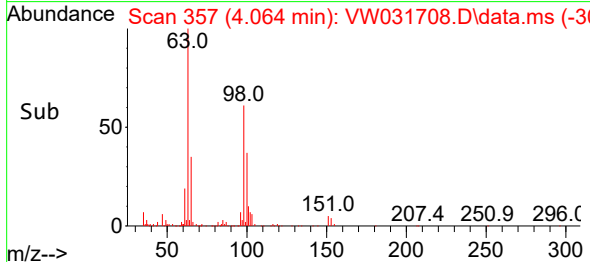
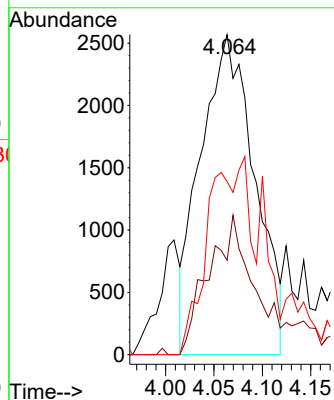
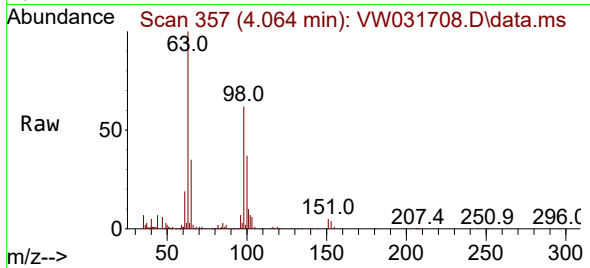




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.93 ug/L
 RT: 4.064 min Scan# 356
 Delta R.T. 0.006 min
 Lab File: VW031708.D
 Acq: 22 May 2025 10:37

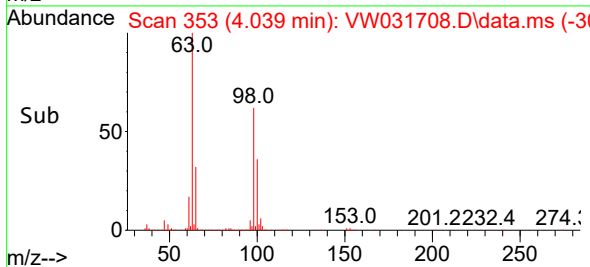
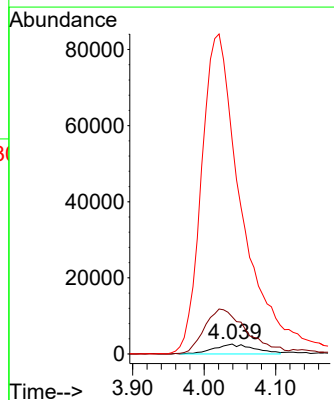
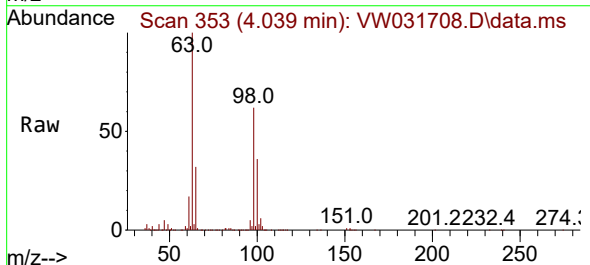
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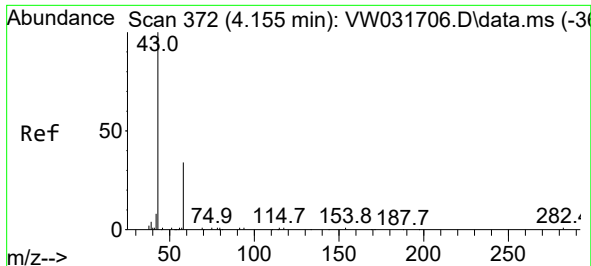
Tgt Ion: 101 Resp: 10051
 Ion Ratio Lower Upper
 101 100
 85 16.0 31.8 47.6#
 151 30.7 54.6 82.0#



#12
 1,1-Dichloroethene
 Concen: 1.18 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. 0.006 min
 Lab File: VW031708.D
 Acq: 22 May 2025 10:37

Tgt Ion: 96 Resp: 10099
 Ion Ratio Lower Upper
 96 100
 61 372.2 124.5 231.1#
 63 2135.2 110.2 204.6#

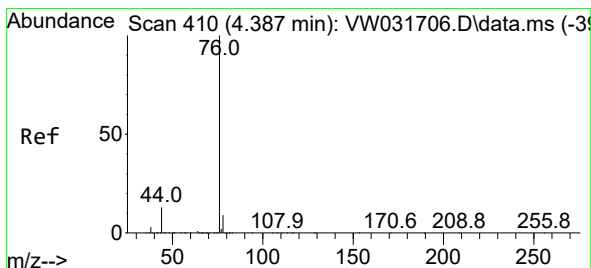
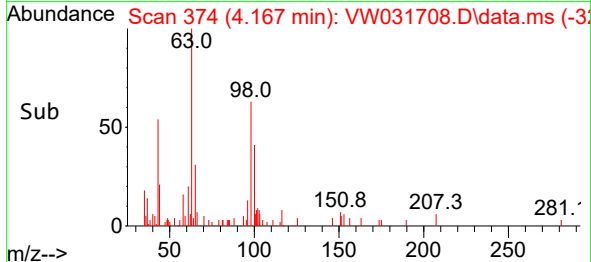
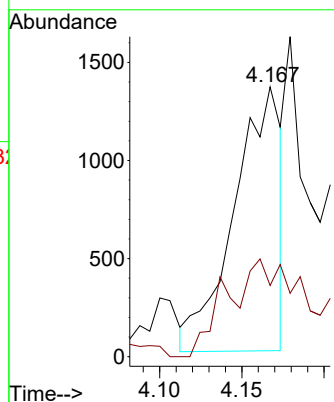
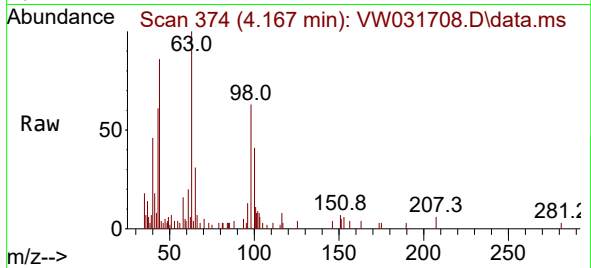




#13
Acetone
Concen: 1.72 ug/L
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

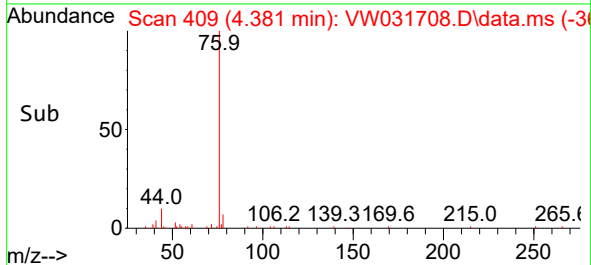
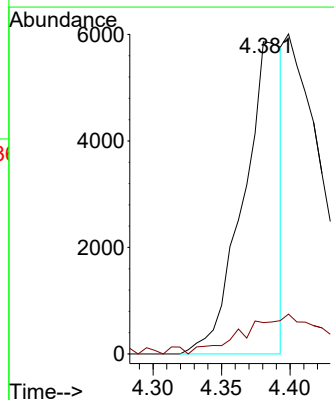
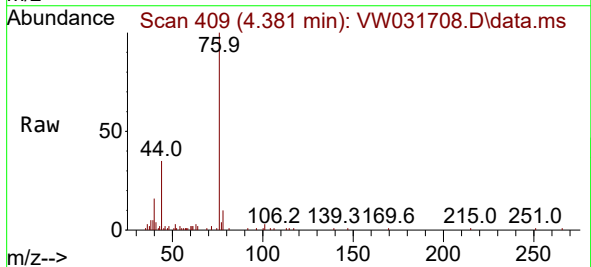
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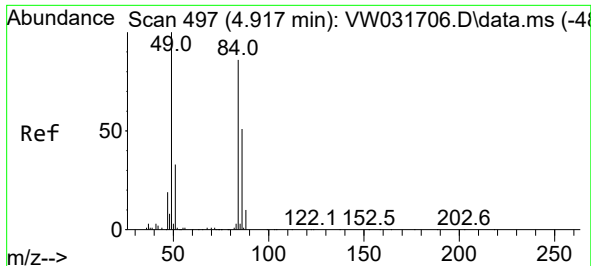
Tgt Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
58 40.4 0.0 66.2



#14
Carbon disulfide
Concen: 0.44 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 11427
Ion Ratio Lower Upper
76 100
78 10.1 6.9 10.3

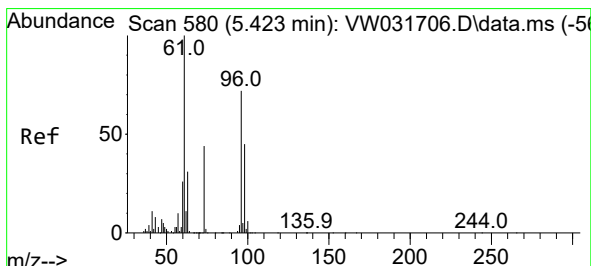
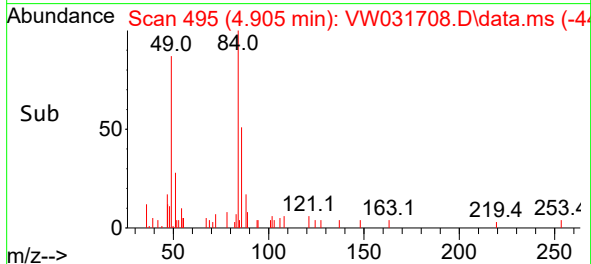
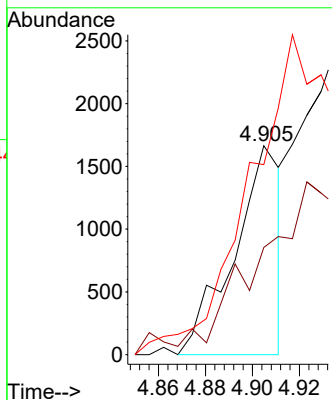
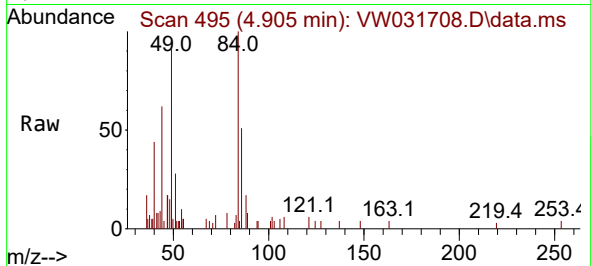




#16
Methylene chloride
Concen: 0.52 ug/L
RT: 4.905 min Scan# 49
Delta R.T. -0.012 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

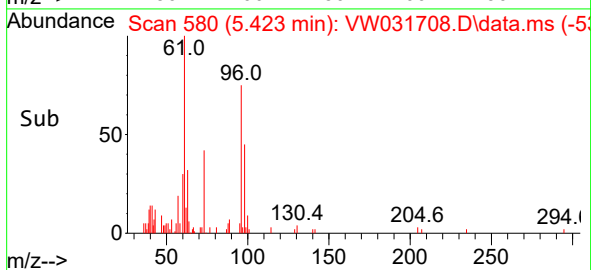
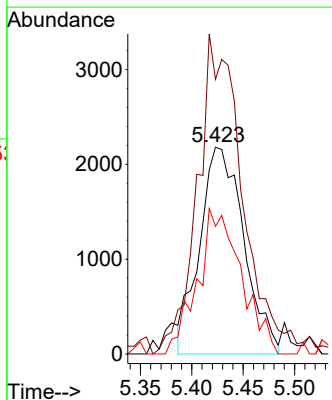
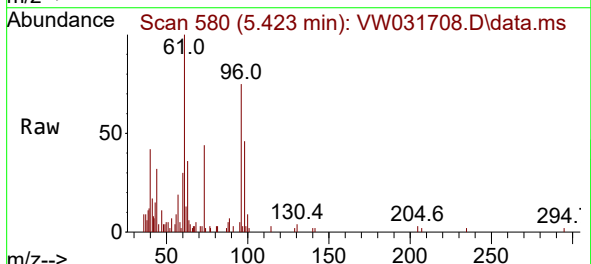
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

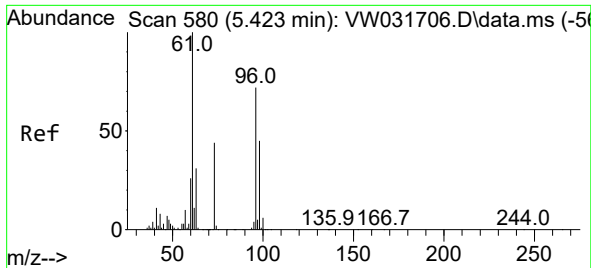
Tgt Ion: 84 Resp: 2323
Ion Ratio Lower Upper
84 100
86 49.4 44.2 82.2
49 87.6 85.1 158.1



#17
trans-1,2-Dichloroethene
Concen: 0.90 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 96 Resp: 6533
Ion Ratio Lower Upper
96 100
61 132.7 100.9 187.3
98 61.7 45.0 83.6

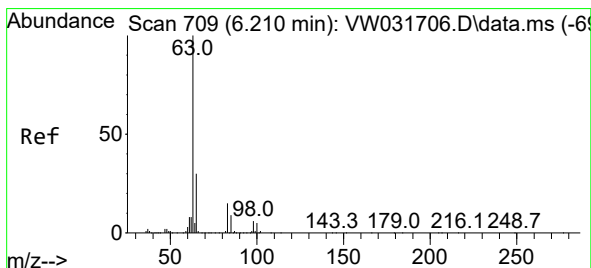
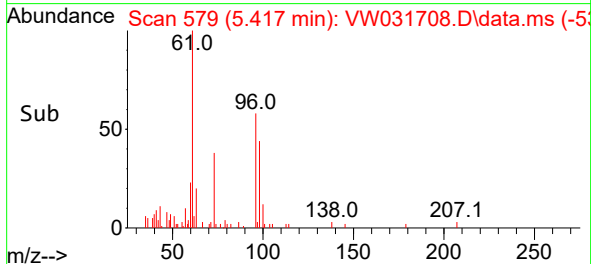
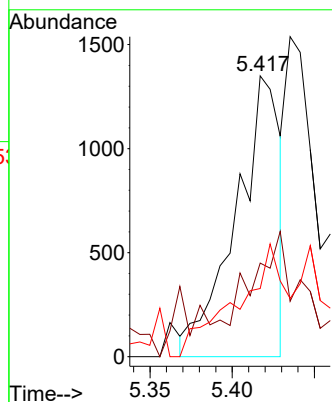
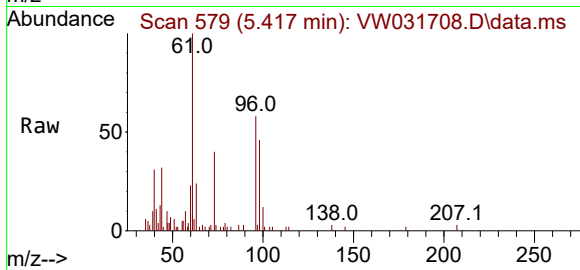




#18
Methyl tert-butyl Ether
Concen: 0.49 ug/L
RT: 5.417 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

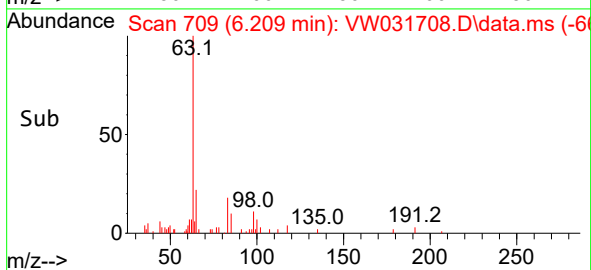
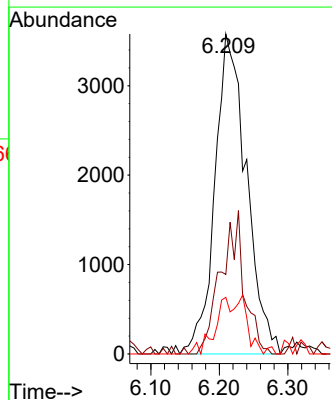
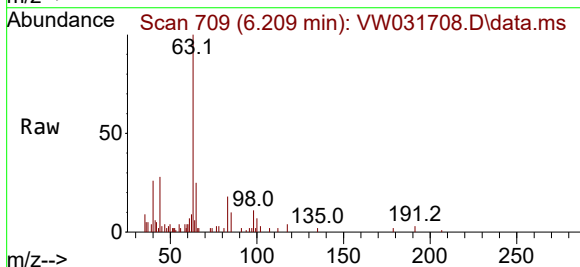
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

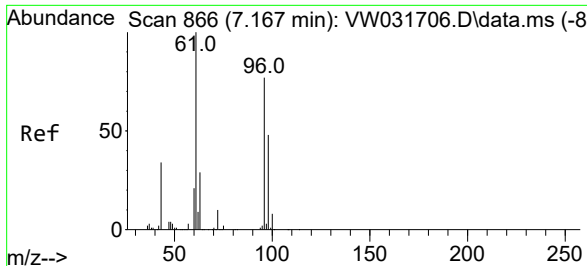
Tgt Ion: 73 Resp: 2512
Ion Ratio Lower Upper
73 100
43 31.4 15.4 23.2#
57 26.7 8.5 12.7#



#19
1,1-Dichloroethane
Concen: 1.01 ug/L
RT: 6.209 min Scan# 709
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 63 Resp: 11413
Ion Ratio Lower Upper
63 100
65 24.8 21.6 40.0
83 17.7 9.4 17.4#

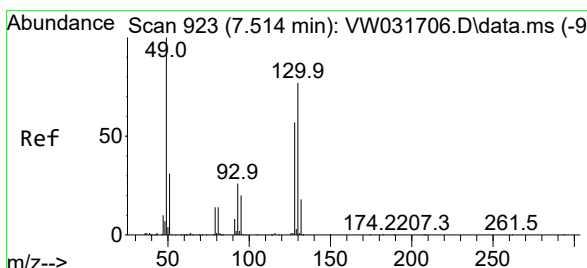
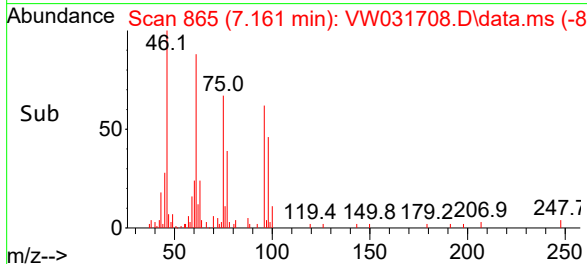
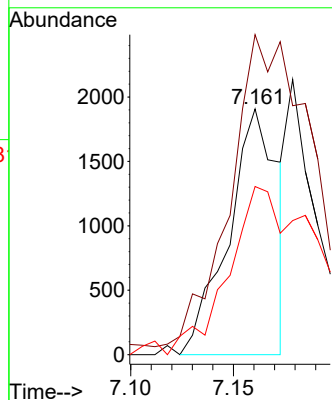
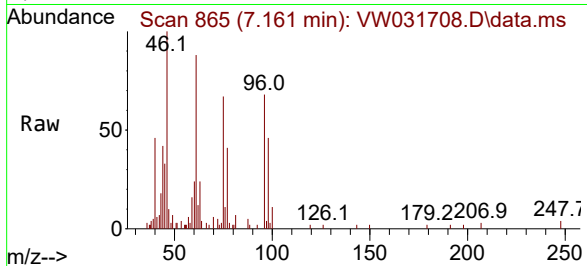




#20
cis-1,2-Dichloroethene
Concen: 0.57 ug/L
RT: 7.161 min Scan# 865
Delta R.T. -0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

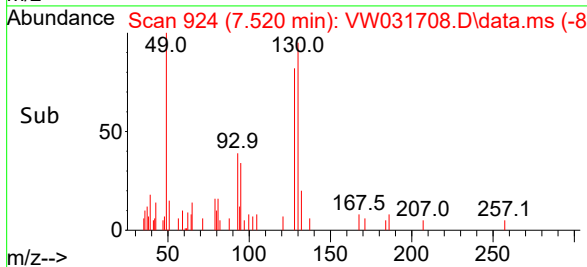
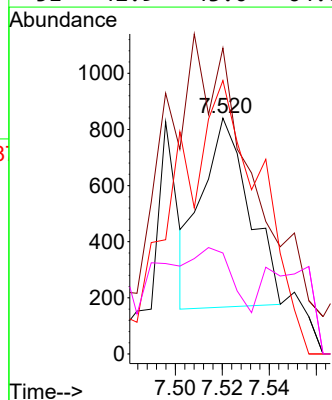
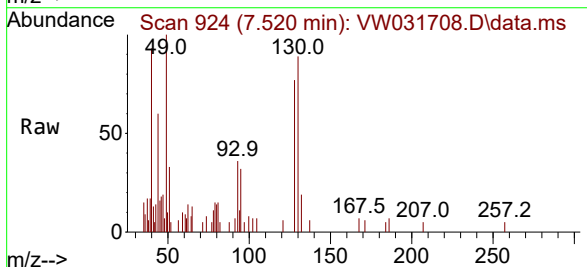
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

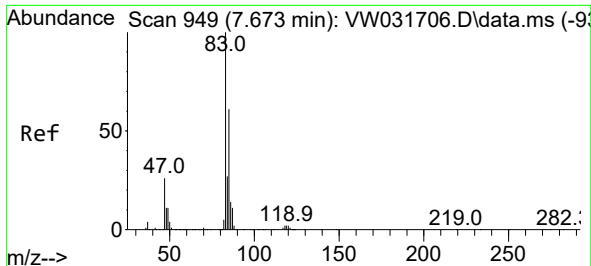
Tgt Ion: 96 Resp: 3175
Ion Ratio Lower Upper
96 100
61 130.2 84.8 157.6
98 68.4 42.4 78.6



#23
Bromochloromethane
Concen: 0.52 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 128 Resp: 940
Ion Ratio Lower Upper
128 100
49 143.2 125.1 232.3
130 116.0 83.9 155.7
51 42.9 43.0 64.6

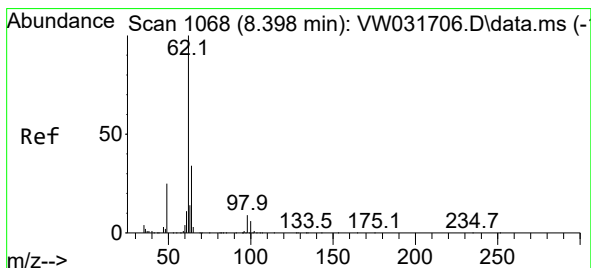
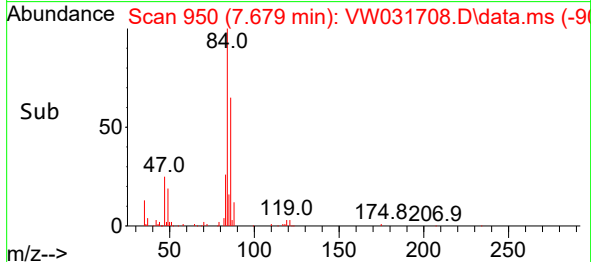
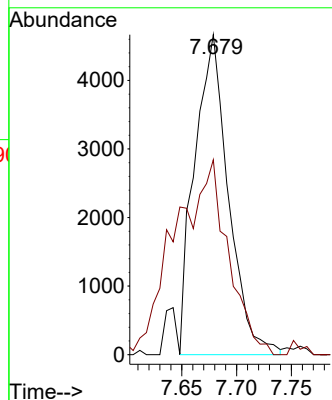
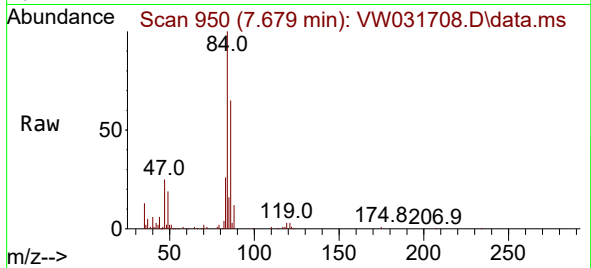




#25
Chloroform
Concen: 1.03 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

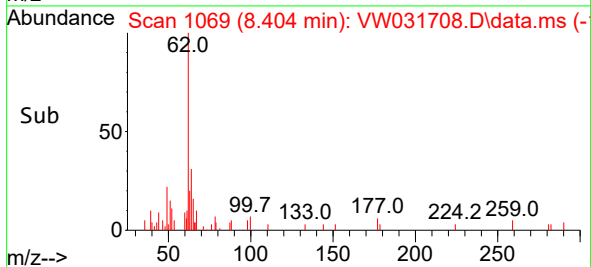
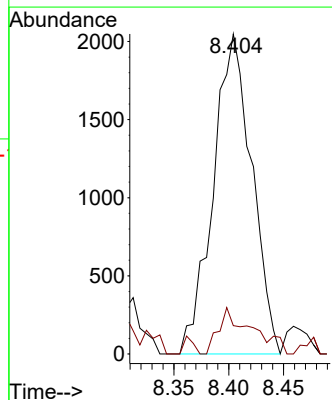
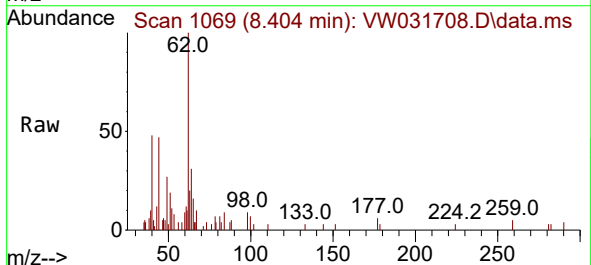
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

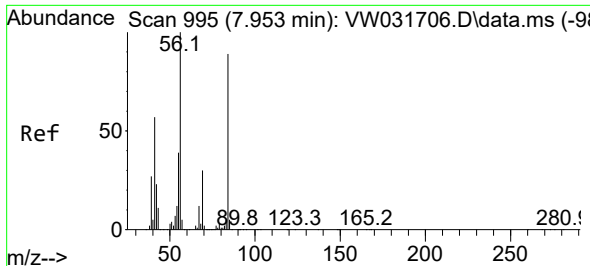
Tgt Ion: 83 Resp: 10015
Ion Ratio Lower Upper
83 100
85 60.9 43.2 80.2



#27
1,2-Dichloroethane
Concen: 1.12 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 62 Resp: 5027
Ion Ratio Lower Upper
62 100
98 8.9 8.0 12.0





#29

Cyclohexane

Concen: 0.81 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW031708.D

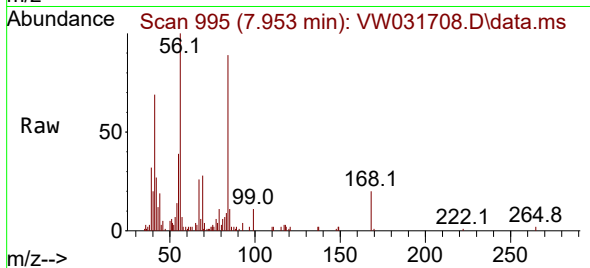
Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

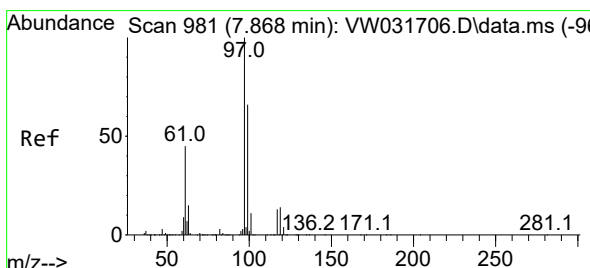
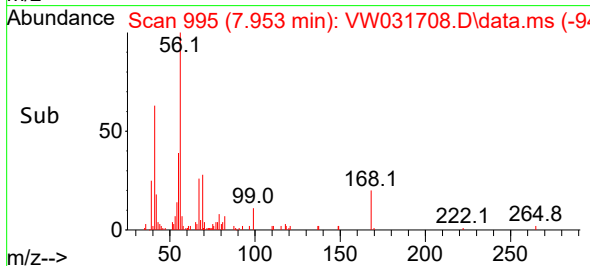
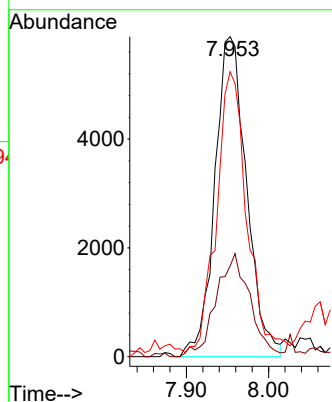
ClientSampleId :

MDL-SOIL-QT1-2025-01



Tgt Ion: 56 Resp: 15789

Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.9	37.3
84	83.5	68.2	102.4



#30

1,1,1-Trichloroethane

Concen: 0.93 ug/L

RT: 7.874 min Scan# 982

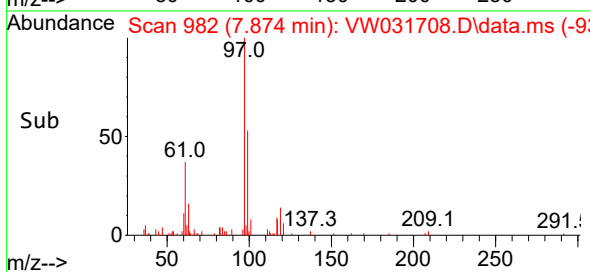
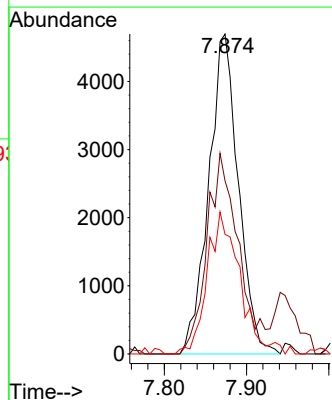
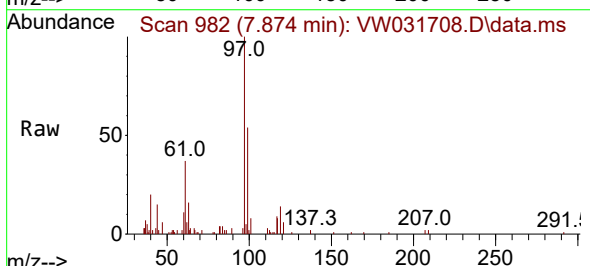
Delta R.T. 0.006 min

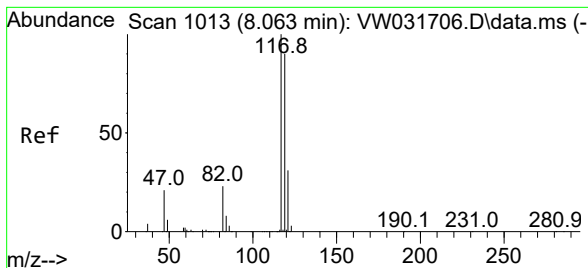
Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion: 97 Resp: 11785

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	46.5	36.4	54.6





#31

Carbon tetrachloride

Concen: 0.94 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

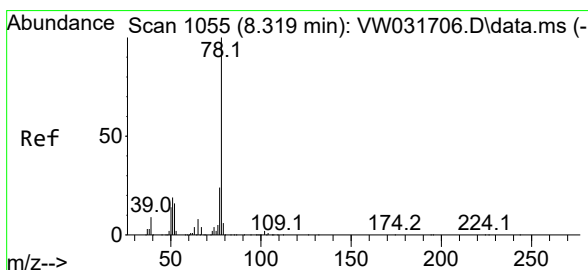
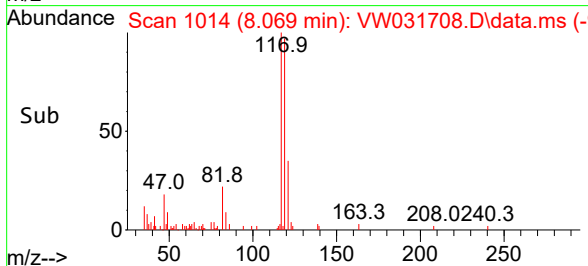
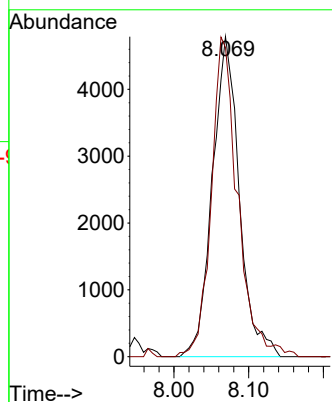
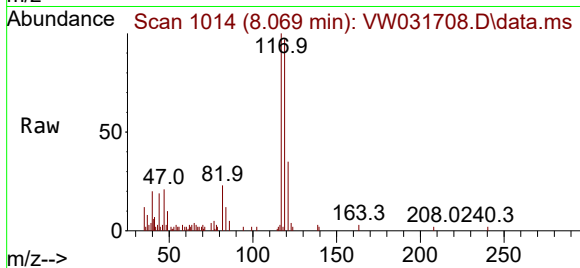
MDL-SOIL-QT1-2025-01

Tgt Ion:117 Resp: 11974

Ion Ratio Lower Upper

117 100

119 96.0 76.5 114.7



#33

Benzene

Concen: 0.91 ug/L

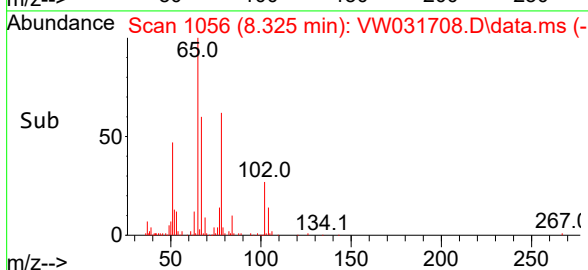
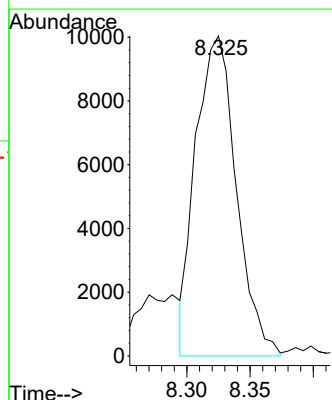
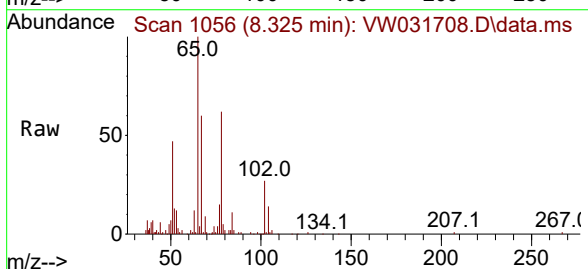
RT: 8.325 min Scan# 1056

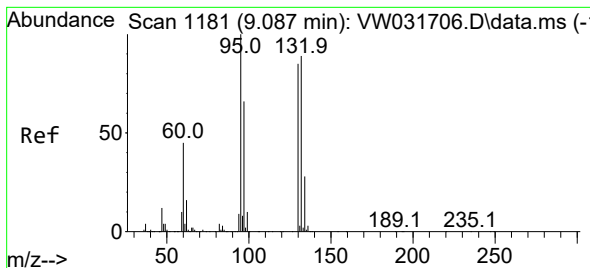
Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion: 78 Resp: 22405





#34

Trichloroethene

Concen: 0.97 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion: 95 Resp: 7914

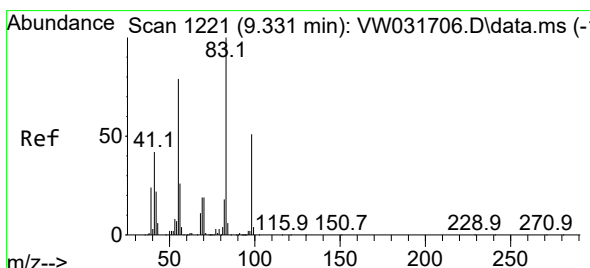
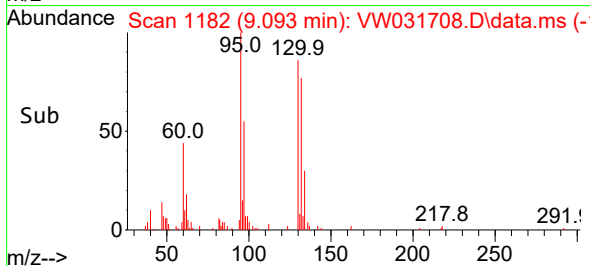
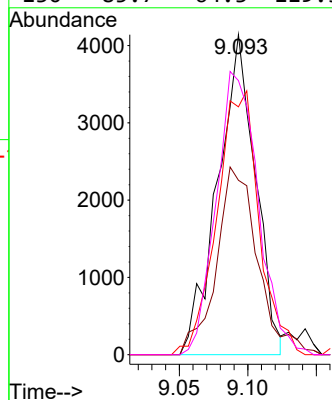
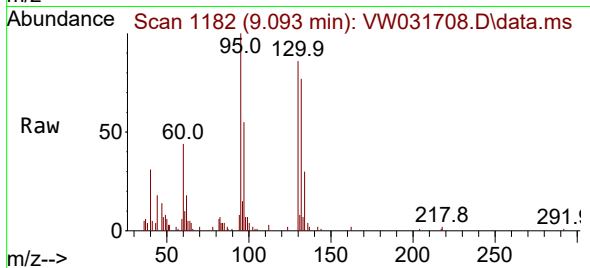
Ion Ratio Lower Upper

95 100

97 54.5 46.0 85.4

132 77.5 63.8 118.4

130 85.7 64.3 119.3



#35

Methylcyclohexane

Concen: 0.78 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

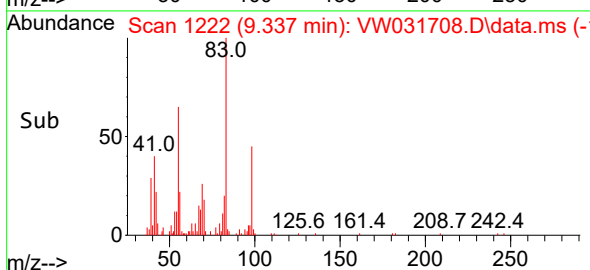
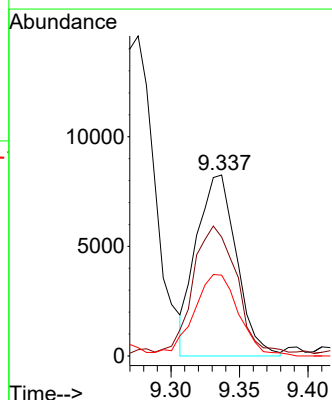
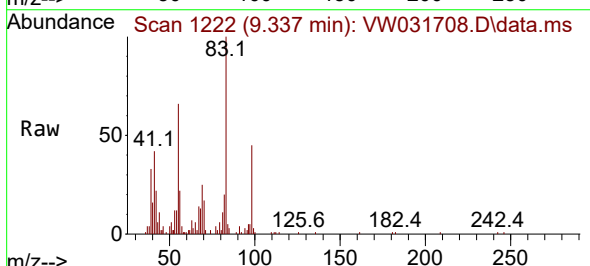
Tgt Ion: 83 Resp: 16805

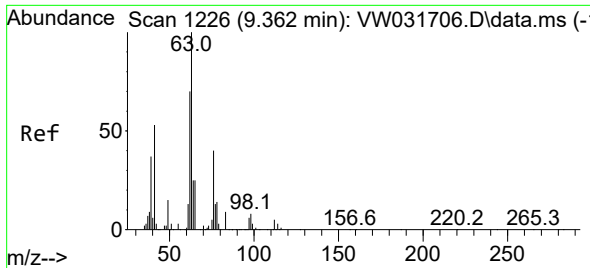
Ion Ratio Lower Upper

83 100

55 79.7 63.1 94.7

98 45.8 37.6 56.4

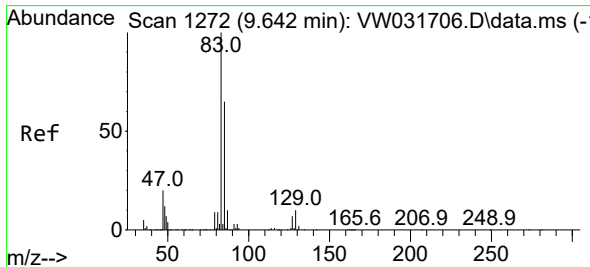
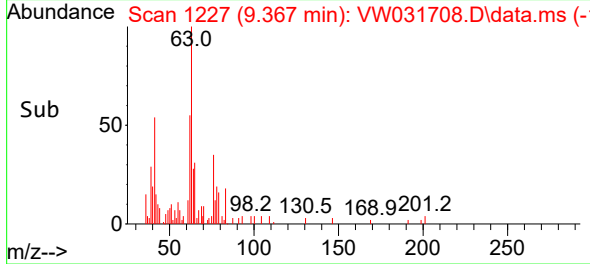
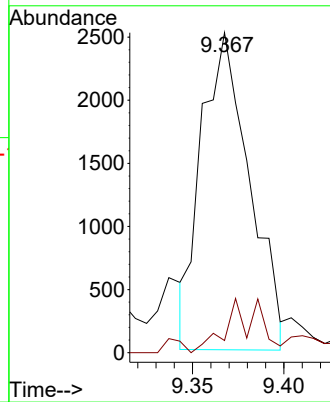
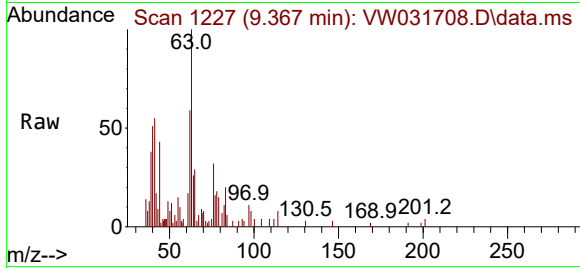




#37
1,2-Dichloropropane
Concen: 0.96 ug/L
RT: 9.367 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

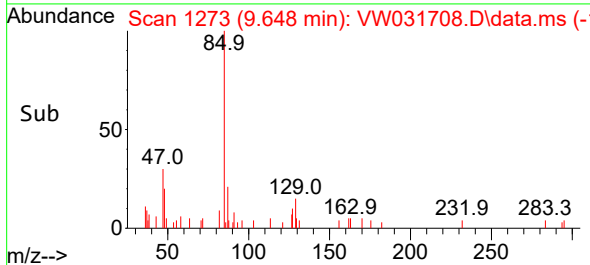
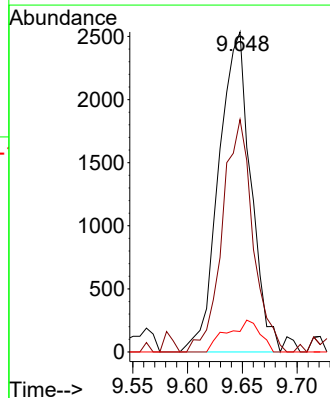
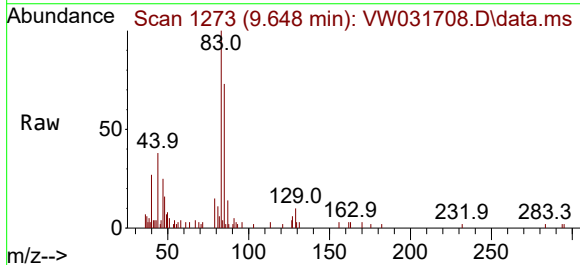
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

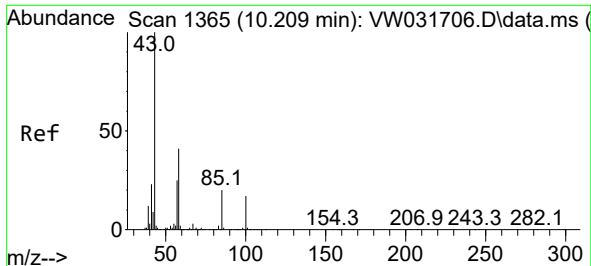
Tgt Ion: 63 Resp: 4602
Ion Ratio Lower Upper
63 100
112 4.3 4.0 6.0



#38
Bromodichloromethane
Concen: 0.98 ug/L
RT: 9.648 min Scan# 1273
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 83 Resp: 5159
Ion Ratio Lower Upper
83 100
85 72.7 44.0 81.8
127 6.4 5.8 8.6

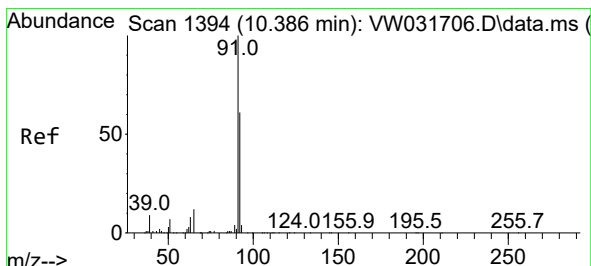
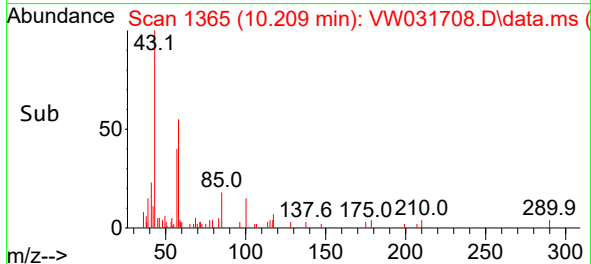
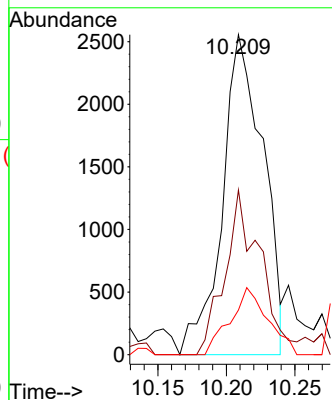
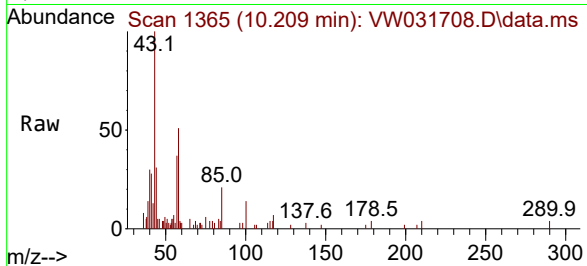




#40
4-Methyl-2-pentanone
Concen: 1.80 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

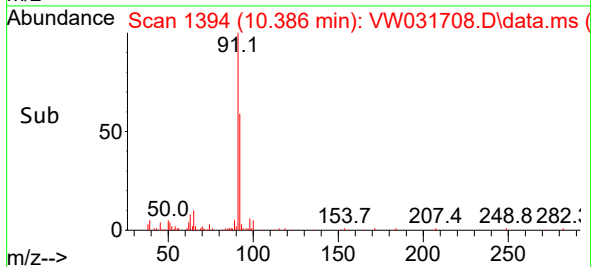
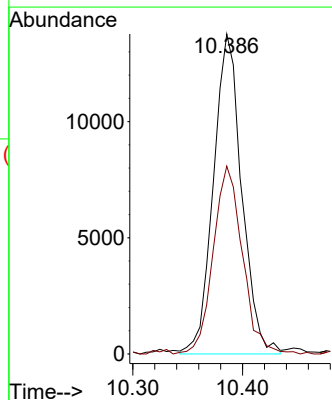
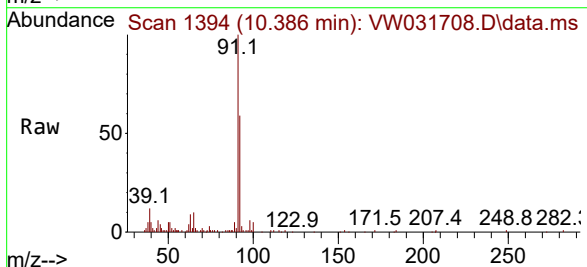
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

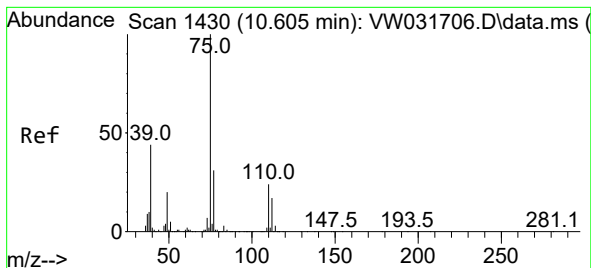
Tgt Ion: 43 Resp: 5303
Ion Ratio Lower Upper
43 100
58 27.6 31.0 46.6#
100 19.3 11.9 17.9#



#42
Toluene
Concen: 0.94 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 91 Resp: 24675
Ion Ratio Lower Upper
91 100
92 58.7 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.88 ug/L

RT: 10.611 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

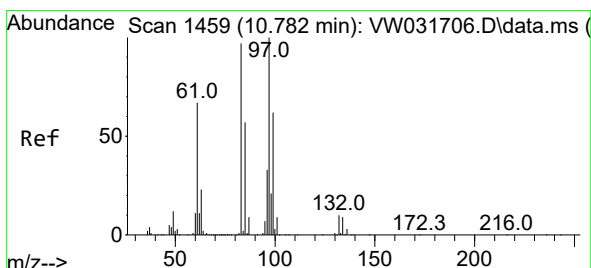
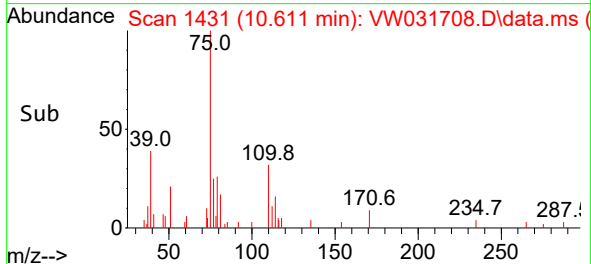
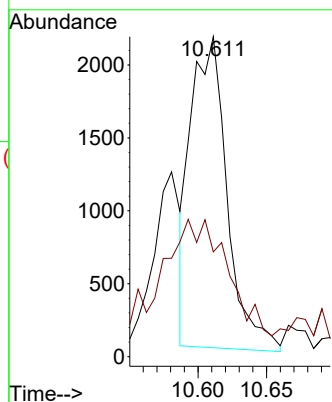
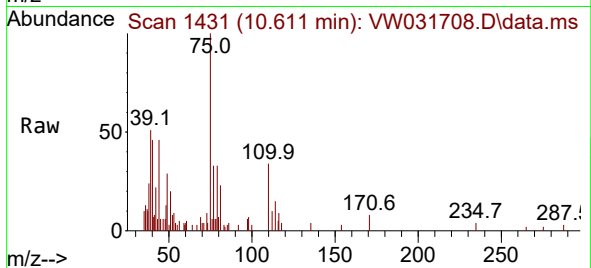
MDL-SOIL-QT1-2025-01

Tgt Ion: 75 Resp: 3926

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 1.07 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion: 97 Resp: 2928

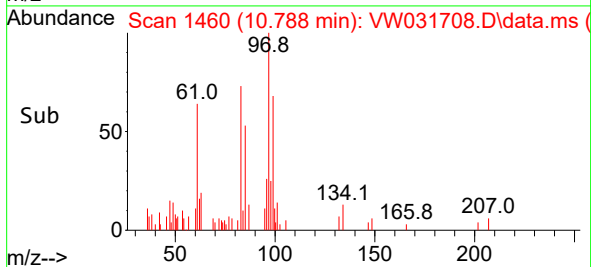
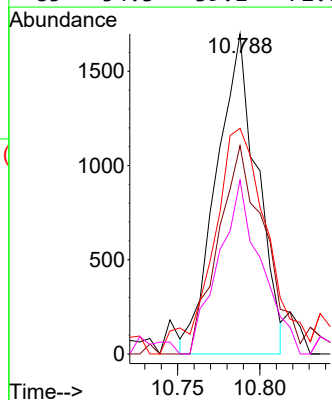
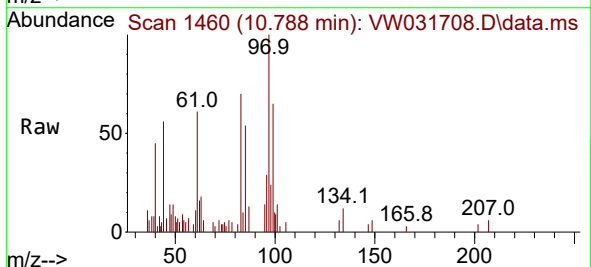
Ion Ratio Lower Upper

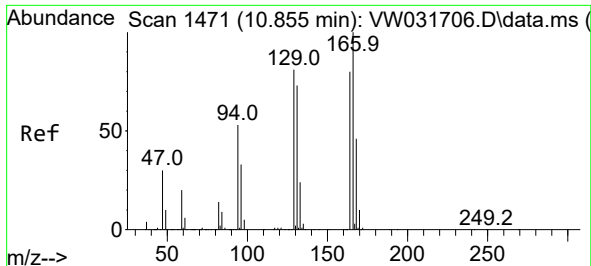
97 100

99 65.1 42.6 79.2

83 70.5 55.7 103.5

85 54.3 39.1 72.7

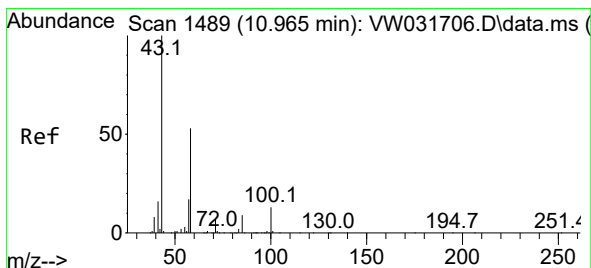
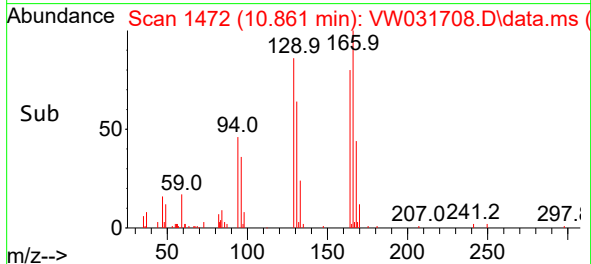
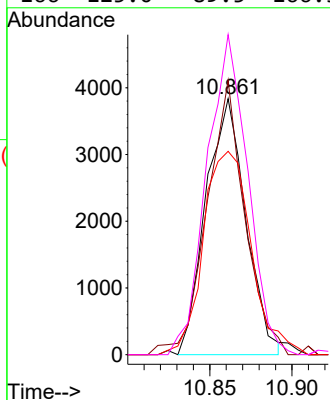
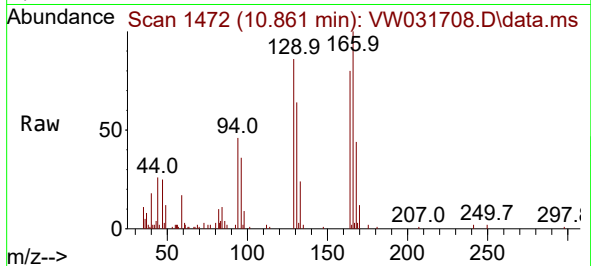




#46
Tetrachloroethene
Concen: 0.96 ug/L
RT: 10.861 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

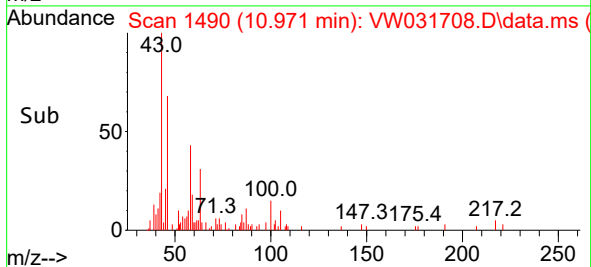
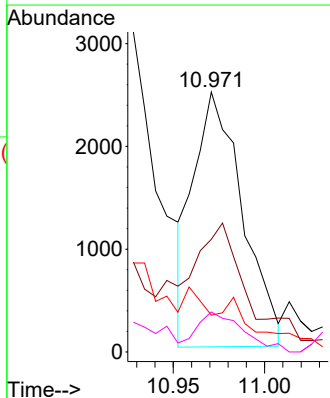
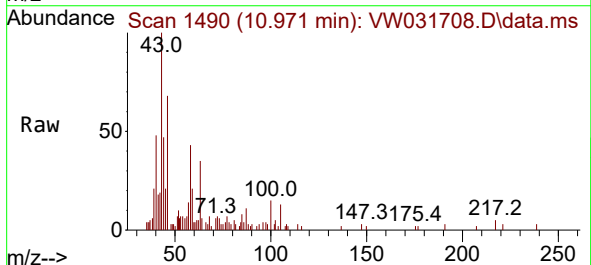
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

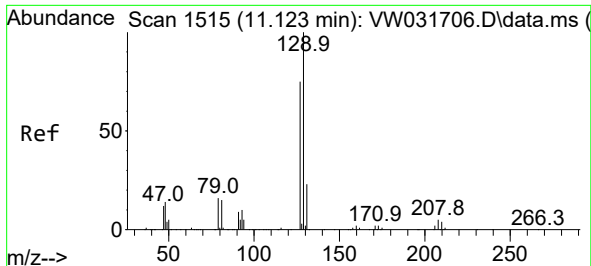
Tgt Ion:	164	Resp:	6499
Ion	Ratio	Lower	Upper
164	100		
129	107.2	72.2	134.0
131	79.5	66.6	123.8
166	125.0	89.5	166.3



#48
2-Hexanone
Concen: 1.99 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion:	43	Resp:	4639
Ion	Ratio	Lower	Upper
43	100		
58	45.5	43.6	65.4
57	17.7	15.4	23.0
100	15.0	9.4	14.0

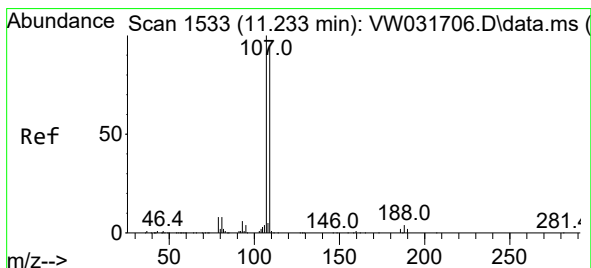
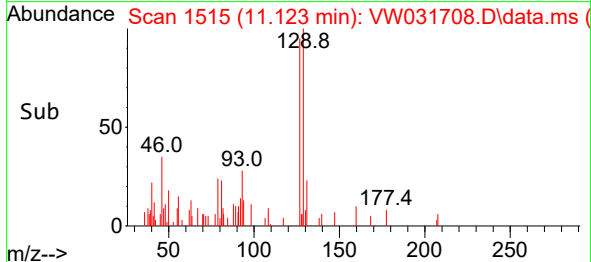
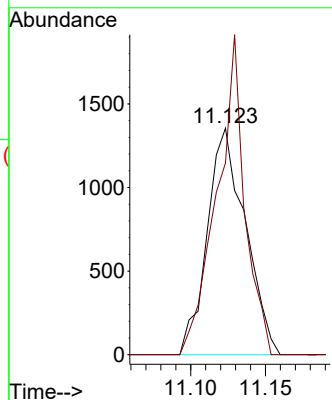
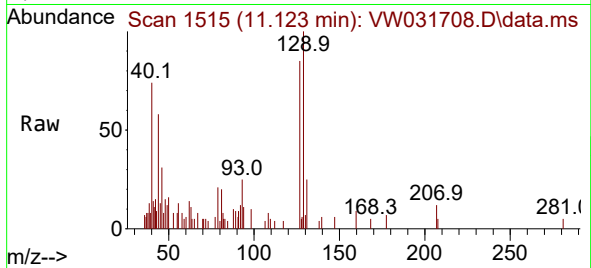




#49
Dibromochloromethane
Concen: 0.87 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

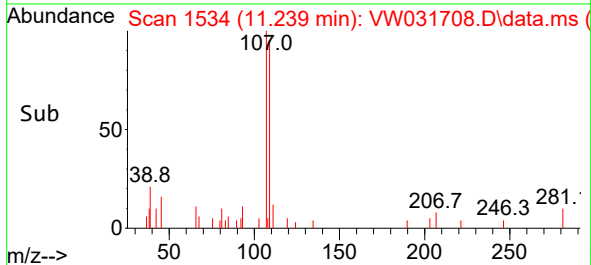
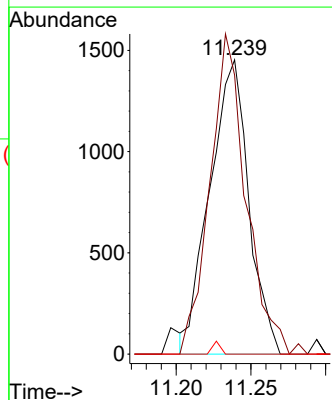
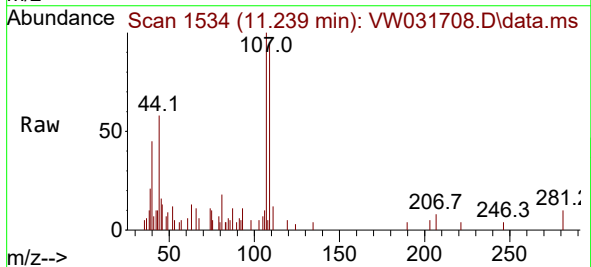
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

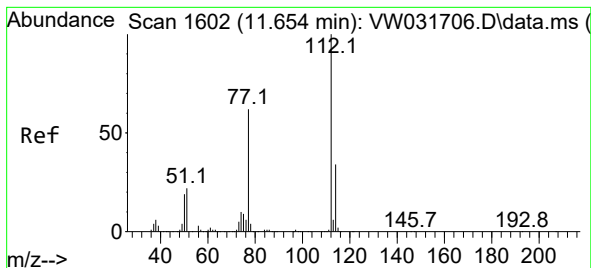
Tgt Ion:129 Resp: 2399
Ion Ratio Lower Upper
129 100
127 89.8 59.7 110.9



#50
1,2-Dibromoethane
Concen: 1.02 ug/L
RT: 11.239 min Scan# 1534
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion:107 Resp: 2626
Ion Ratio Lower Upper
107 100
109 94.8 65.0 120.8
188 0.0 2.2 3.2#





#51

Chlorobenzene

Concen: 0.98 ug/L

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

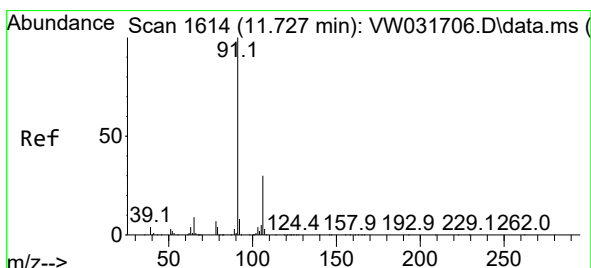
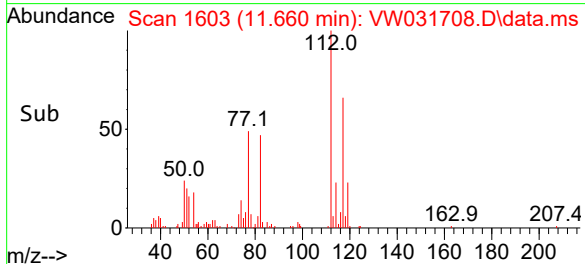
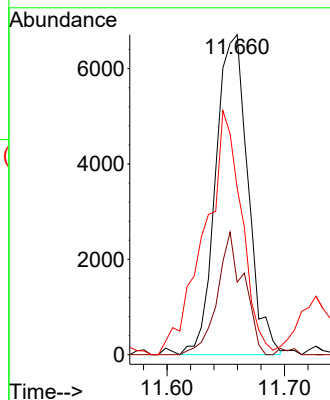
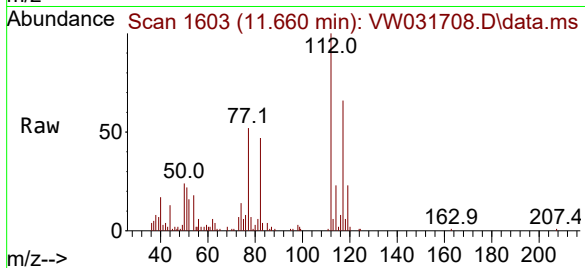
Tgt Ion:112 Resp: 12779

Ion Ratio Lower Upper

112 100

114 22.6 22.6 42.0

77 52.2 50.3 75.5



#52

Ethylbenzene

Concen: 0.85 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW031708.D

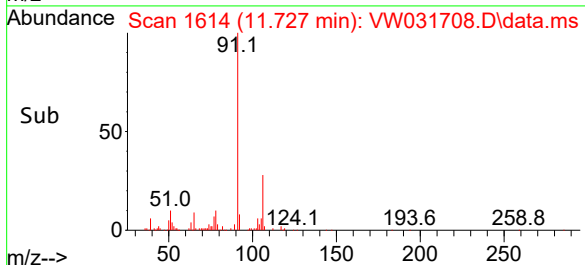
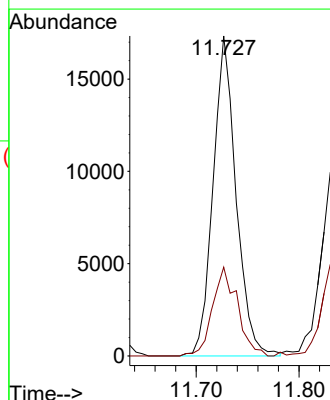
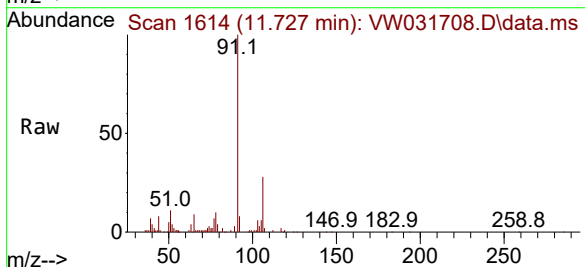
Acq: 22 May 2025 10:37

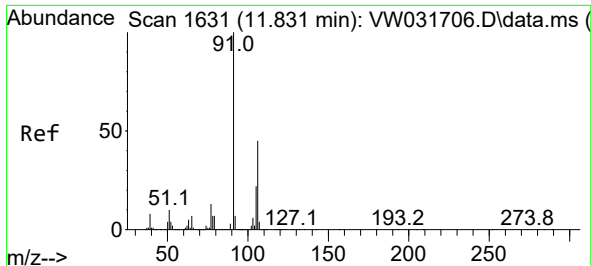
Tgt Ion: 91 Resp: 26942

Ion Ratio Lower Upper

91 100

106 27.8 21.3 39.6

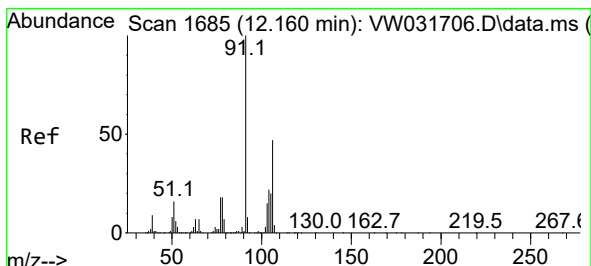
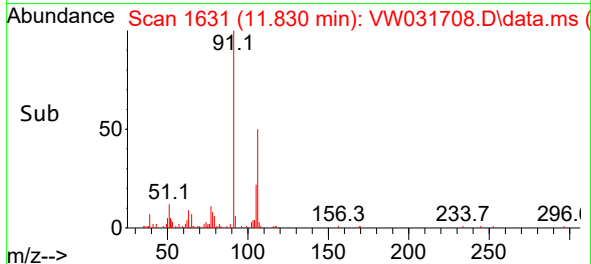
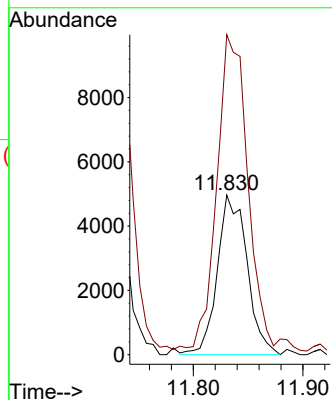
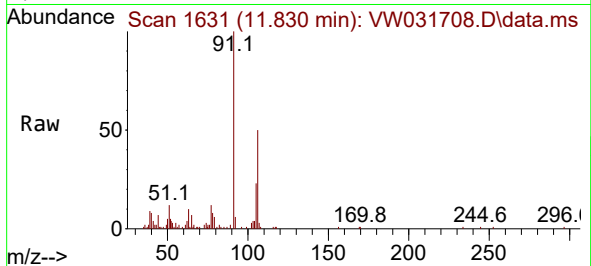




#53
m,p-Xylene
Concen: 0.82 ug/L
RT: 11.830 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

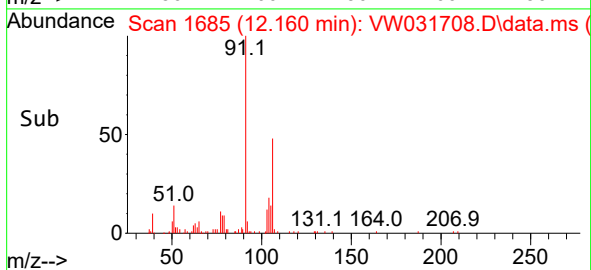
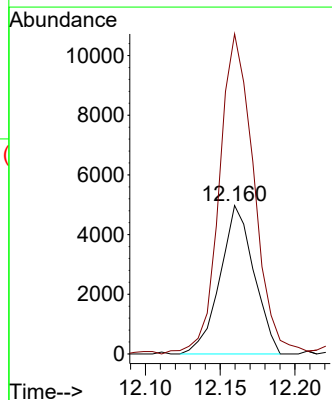
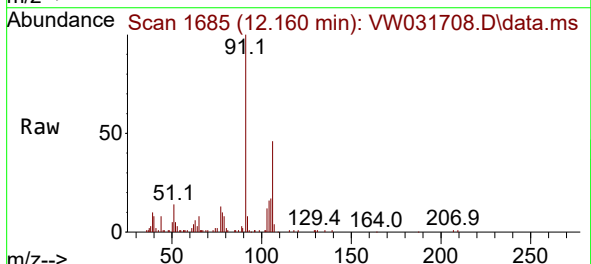
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

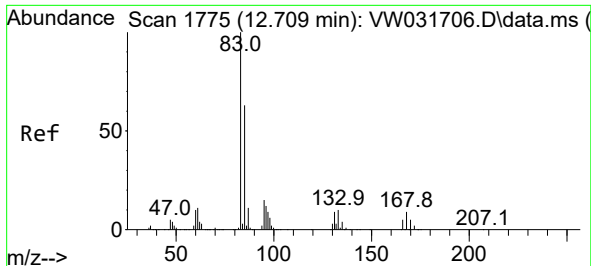
Tgt Ion:106 Resp: 9339
Ion Ratio Lower Upper
106 100
91 200.4 138.9 257.9



#54
o-Xylene
Concen: 0.88 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion:106 Resp: 7837
Ion Ratio Lower Upper
106 100
91 215.6 147.4 273.8





#57

1,1,2,2-Tetrachloroethane

Concen: 1.08 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

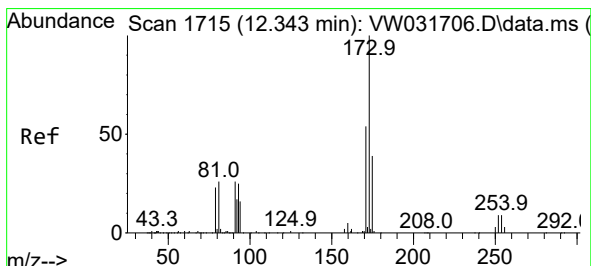
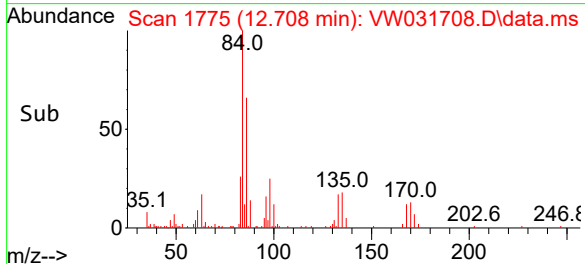
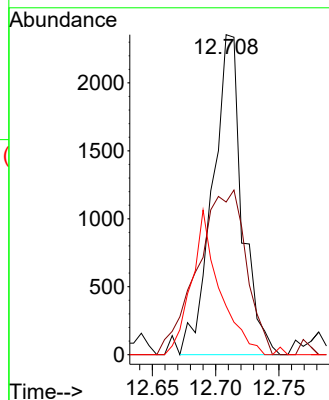
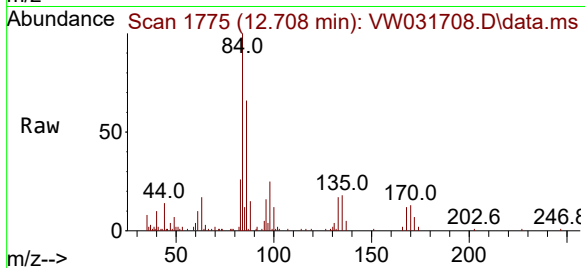
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion:	83	Resp:	3843
Ion	Ratio	Lower	Upper
83	100		
85	47.7	44.2	82.2
131	15.2	7.4	11.2#



#59

Bromoform

Concen: 1.16 ug/L

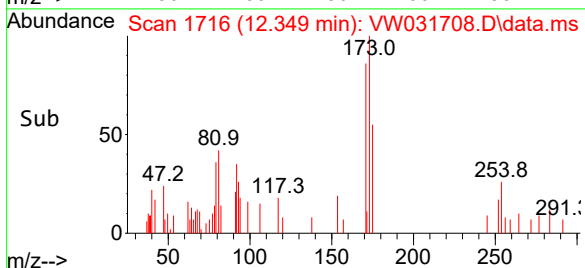
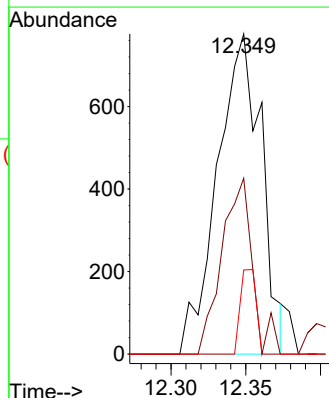
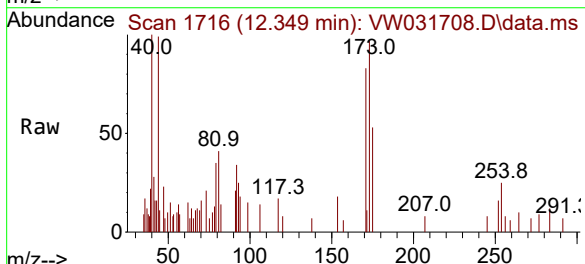
RT: 12.349 min Scan# 1716

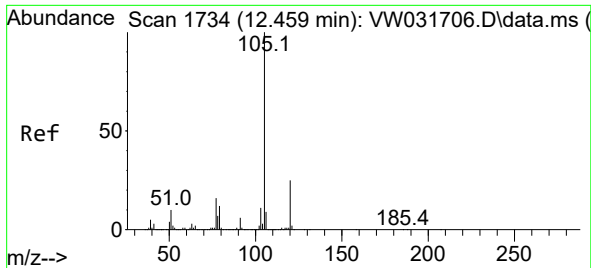
Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion:	173	Resp:	1589
Ion	Ratio	Lower	Upper
173	100		
175	35.8	38.1	57.1#
254	9.4	5.5	8.3#

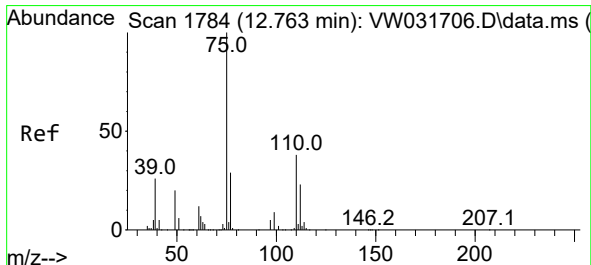
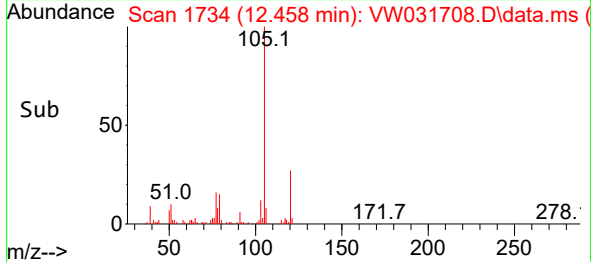
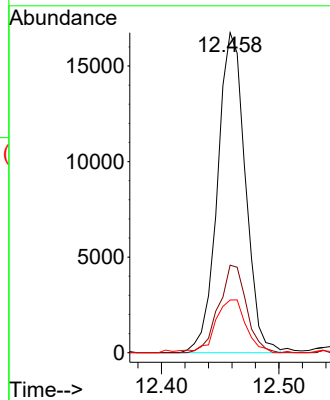
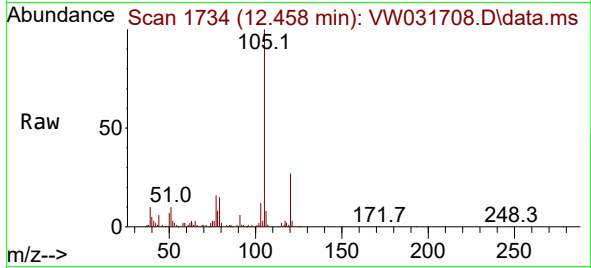




#60
Isopropylbenzene
Concen: 0.87 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

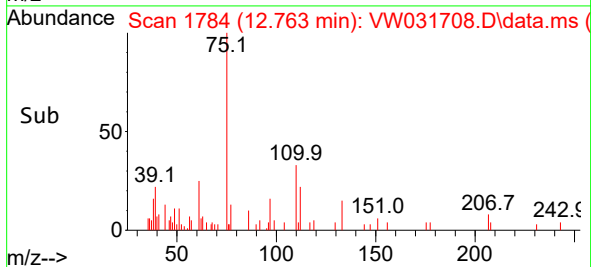
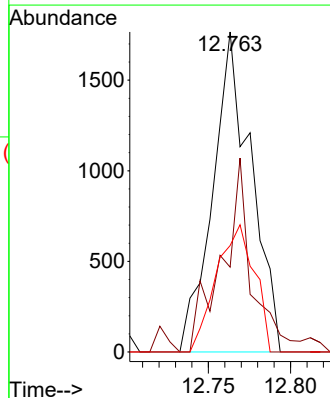
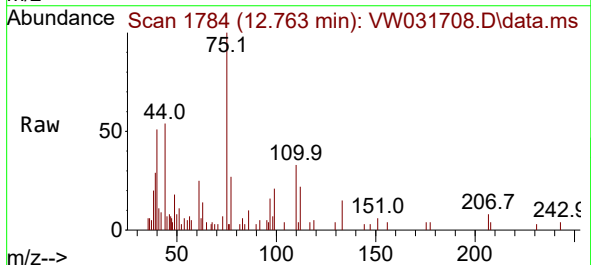
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

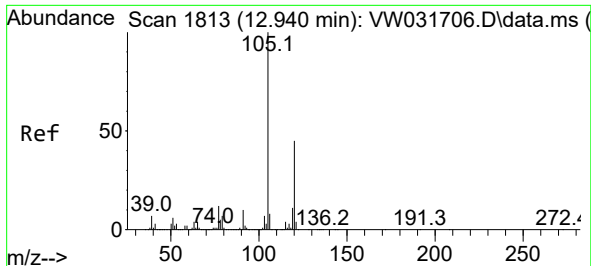
Tgt Ion:	105	Resp:	27586
Ion Ratio	Lower	Upper	
105	100		
120	27.1	20.7	31.1
77	17.7	13.3	19.9



#61
1,2,3-Trichloropropane
Concen: 1.13 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion:	75	Resp:	2870
Ion Ratio	Lower	Upper	
75	100		
77	41.7	28.4	42.6
110	39.5	30.9	46.3





#62

1,3,5-Trimethylbenzene

Concen: 0.85 ug/L

RT: 12.934 min Scan# 1812

Delta R.T. -0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

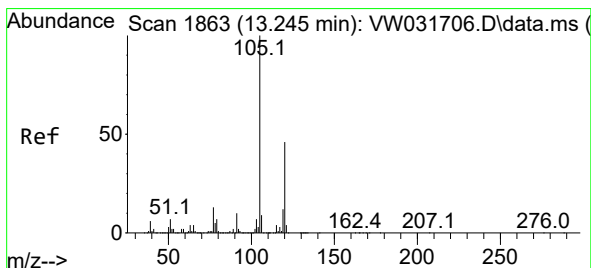
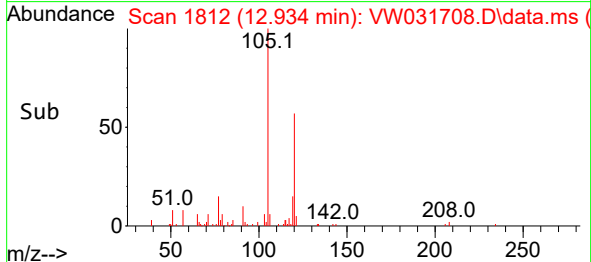
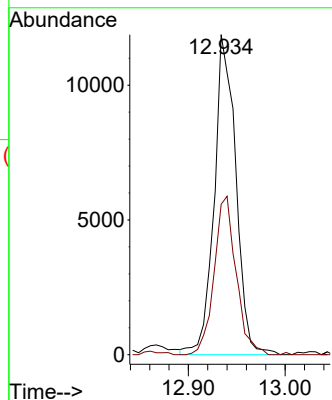
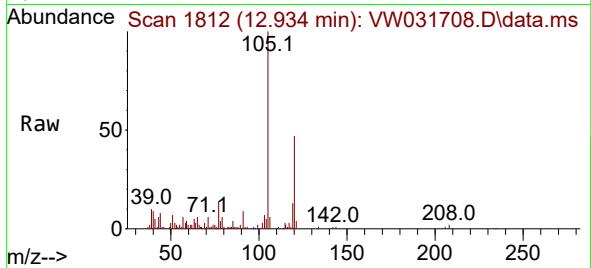
MDL-SOIL-QT1-2025-01

Tgt Ion:105 Resp: 18411

Ion Ratio Lower Upper

105 100

120 50.2 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 0.82 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW031708.D

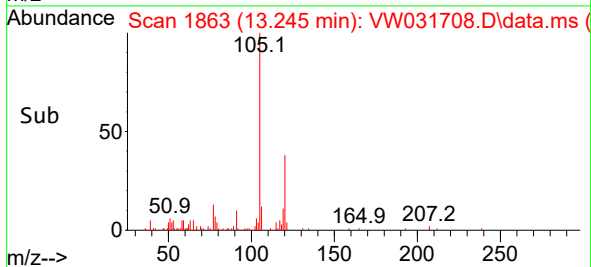
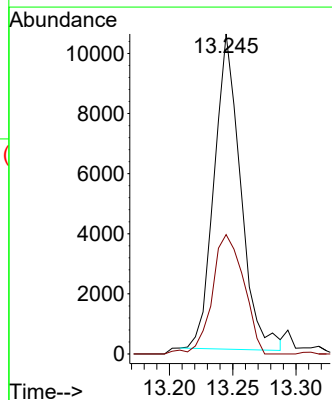
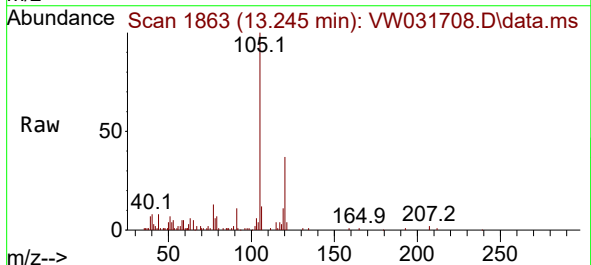
Acq: 22 May 2025 10:37

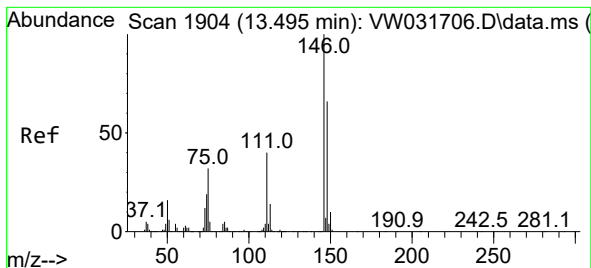
Tgt Ion:105 Resp: 15230

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 0.95 ug/L

RT: 13.501 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

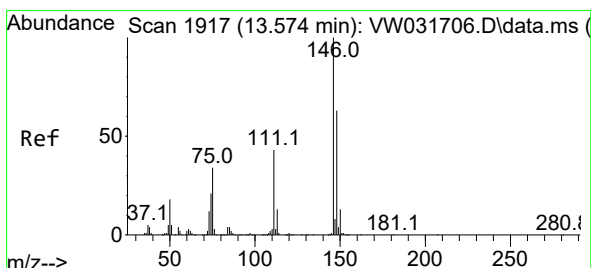
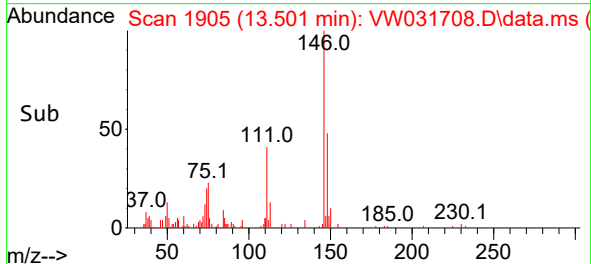
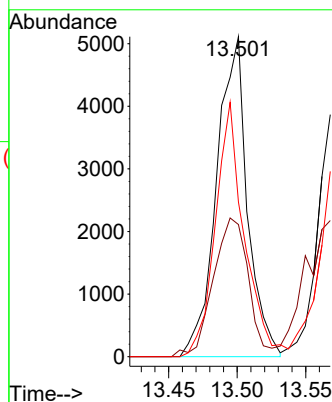
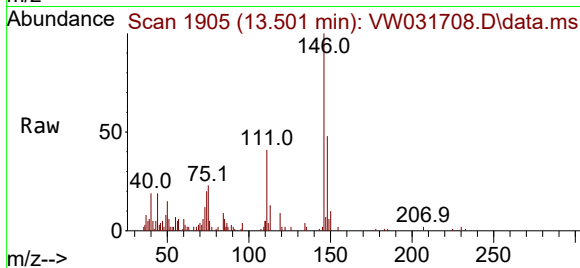
Tgt Ion:146 Resp: 7991

Ion Ratio Lower Upper

146 100

111 41.3 29.5 54.9

148 48.4 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 0.98 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

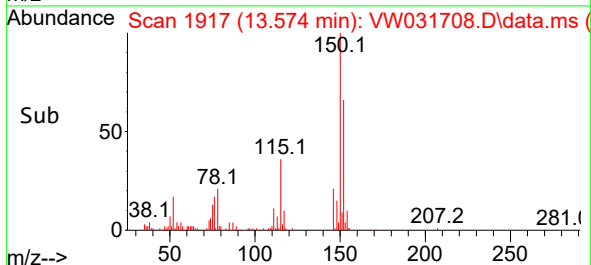
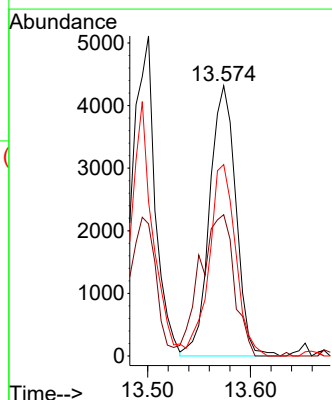
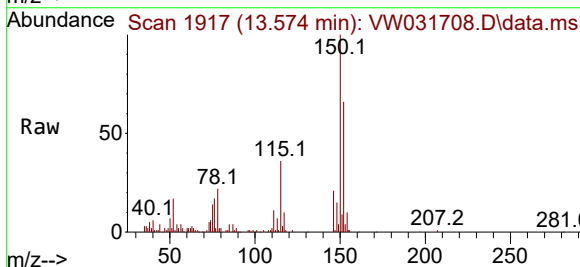
Tgt Ion:146 Resp: 7651

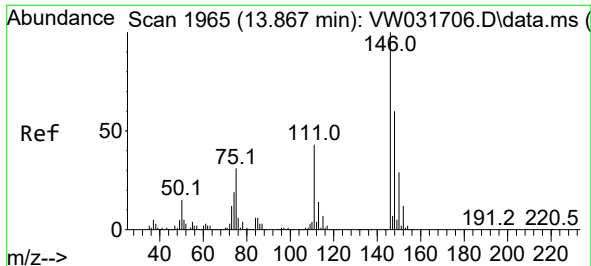
Ion Ratio Lower Upper

146 100

111 52.3 27.6 51.2#

148 70.8 40.6 75.4





#67

1,2-Dichlorobenzene

Concen: 1.08 ug/L

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

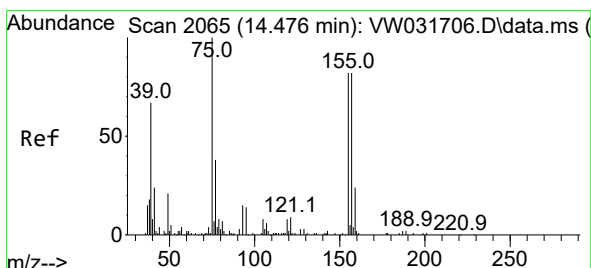
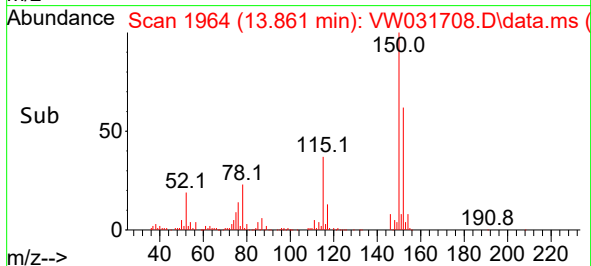
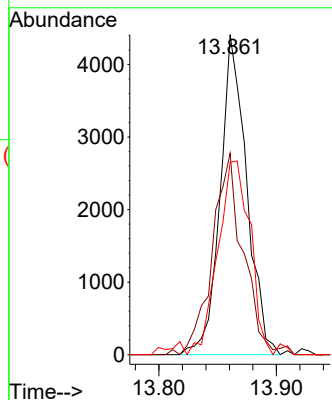
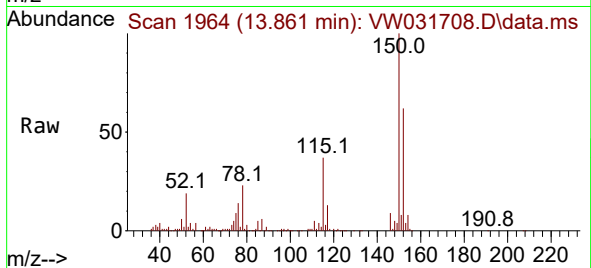
Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion:	146	Resp:	6906
Ion Ratio	Lower	Upper	
146	100		
111	62.9	34.2	51.4#
148	60.1	43.5	65.3



#68

1,2-Dibromo-3-chloropropane

Concen: 1.54 ug/L

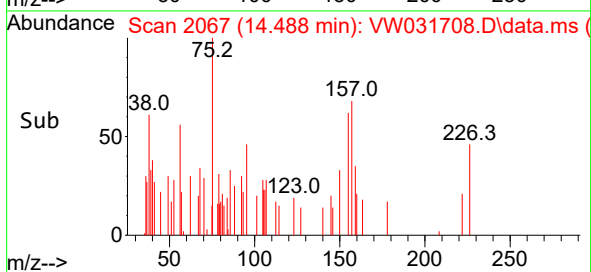
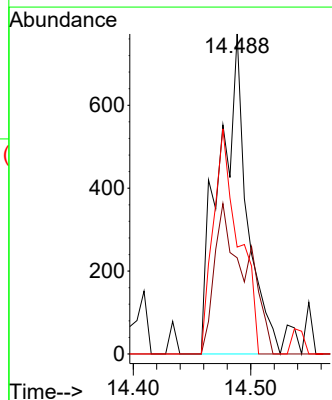
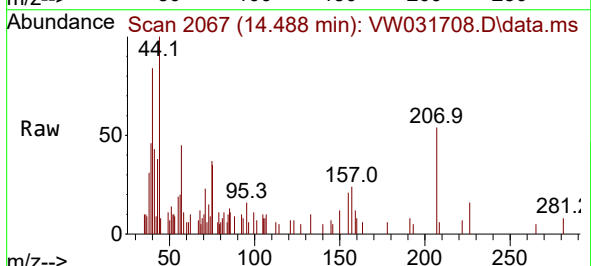
RT: 14.488 min Scan# 2067

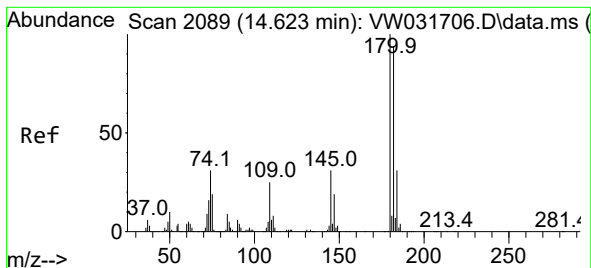
Delta R.T. 0.012 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion:	75	Resp:	1268
Ion Ratio	Lower	Upper	
75	100		
155	30.1	51.6	77.4#
157	33.4	74.6	111.8#





#69

1,3,5-Trichlorobenzene

Concen: 1.01 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

Lab File: VW031708.D

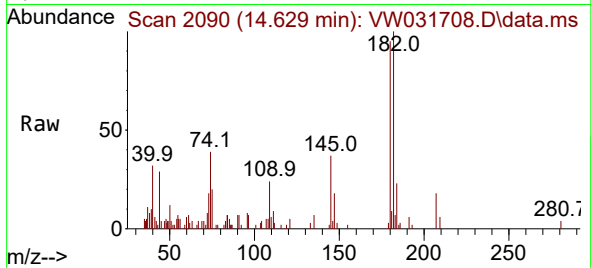
Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01



Tgt Ion:180 Resp: 5858

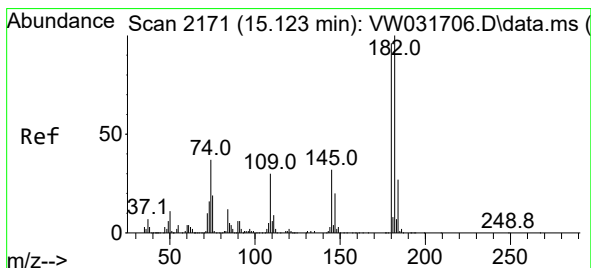
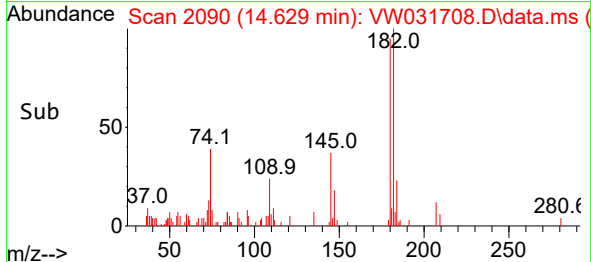
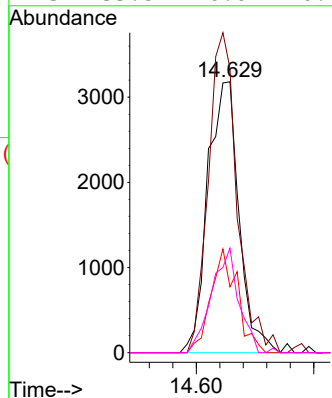
Ion Ratio Lower Upper

180 100

182 109.3 75.5 113.3

184 30.5 23.7 35.5

145 33.8 26.6 40.0



#70

1,2,4-trichlorobenzene

Concen: 1.03 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

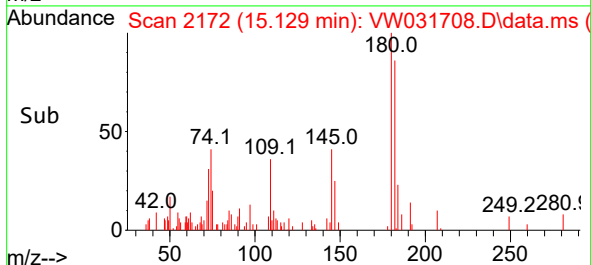
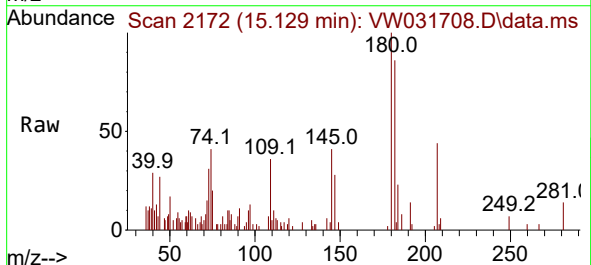
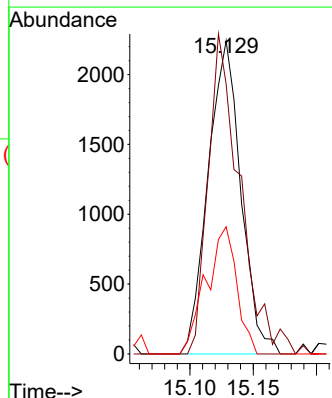
Tgt Ion:180 Resp: 4042

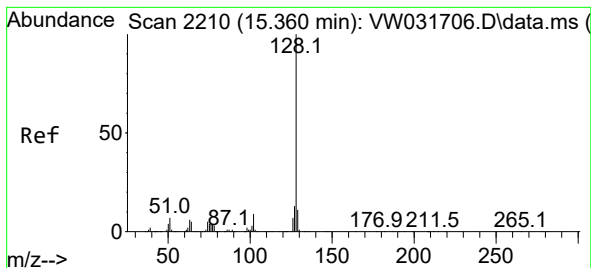
Ion Ratio Lower Upper

180 100

182 96.2 75.7 113.5

145 37.9 26.7 40.1





#71

Naphthalene

Concen: 1.07 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

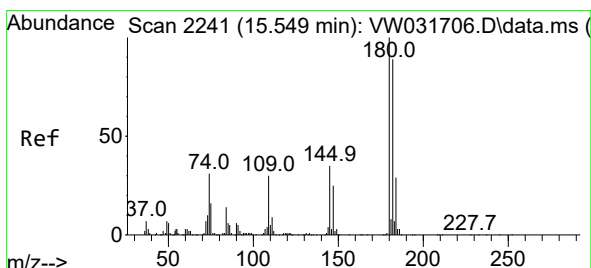
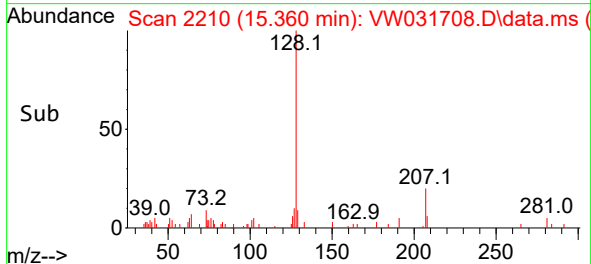
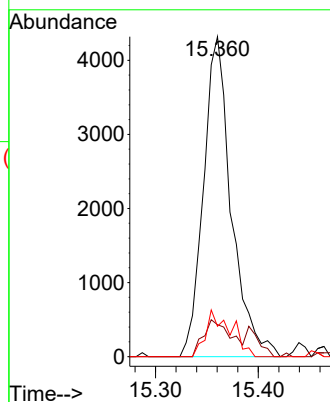
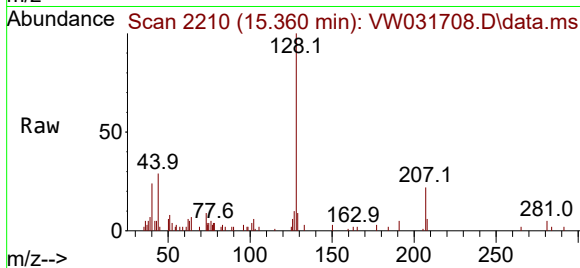
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion:	128	Resp:	8135
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.6	16.0
129	10.0	8.6	12.8



#72

1,2,3-Trichlorobenzene

Concen: 1.10 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion:	180	Resp:	3512
Ion	Ratio	Lower	Upper
180	100		
182	118.4	77.3	115.9#
145	38.4	28.6	43.0

