

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	8.307	65	92984m	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
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	2.942	64	4409m	0.89 ug/L		
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	4.399	76	23513m	0.90 ug/L		
15) Methyl Acetate	4.704	43	1899m	0.68 ug/L		
16) Methylene chloride	4.935	84	5293m	1.19 ug/L		
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	7.179	96	5393m	0.96 ug/L		
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	

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 Response via : Initial Calibration

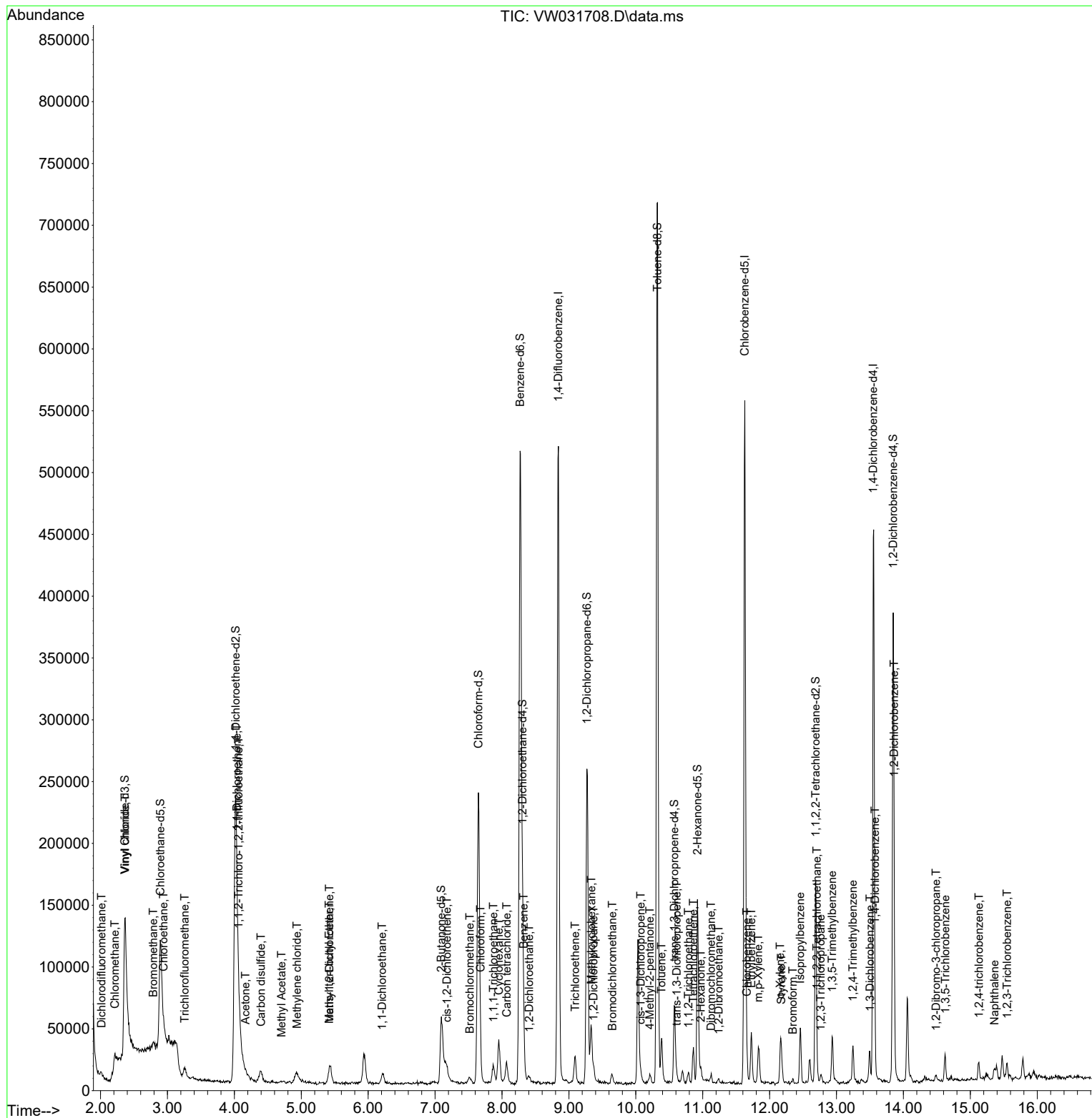
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	15789	0.81	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	11785	0.93	ug/L	99
31) Carbon tetrachloride	8.069	117	11974	0.94	ug/L	100
33) Benzene	8.325	78	22405	0.91	ug/L	100
34) Trichloroethene	9.093	95	7914	0.97	ug/L	89
35) Methylcyclohexane	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
39) cis-1,3-Dichloropropene	10.075	75	5190m	0.87	ug/L	
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
55) Styrene	12.178	104	10198m	0.79	ug/L	
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

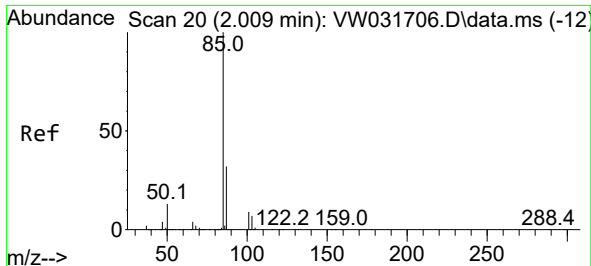
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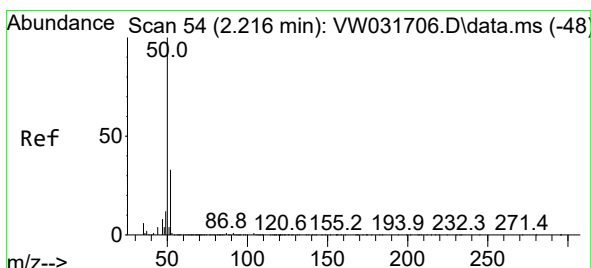
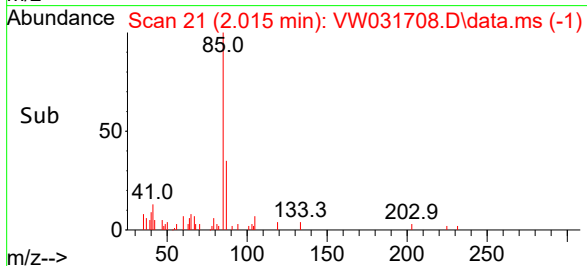
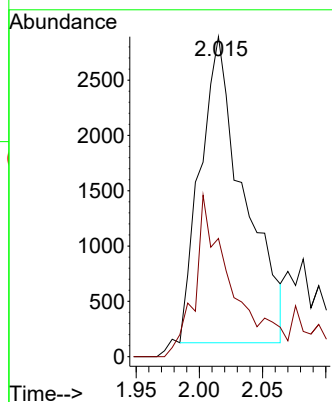
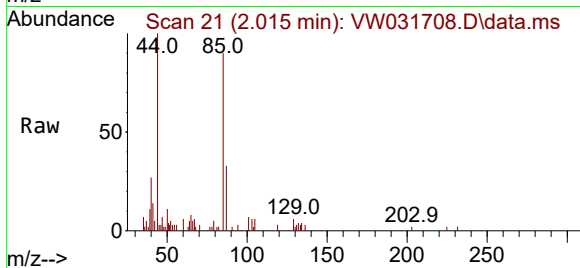




#2
Dichlorodifluoromethane
Concen: 0.77 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

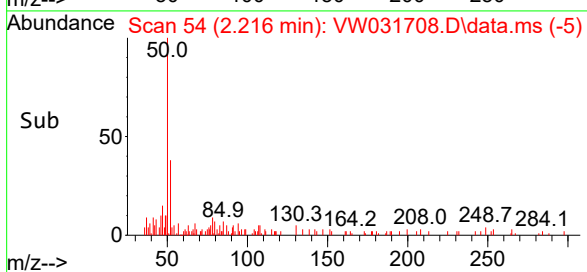
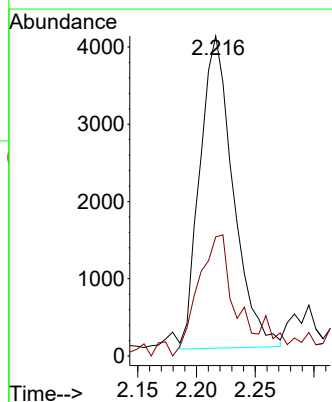
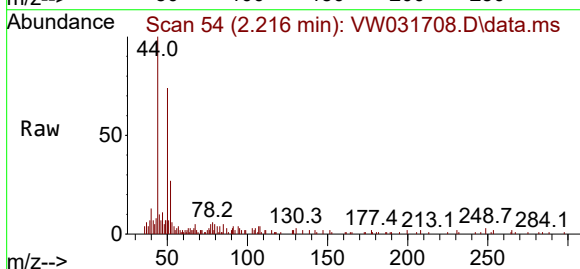
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MSVOA_W
ClientSampleId :
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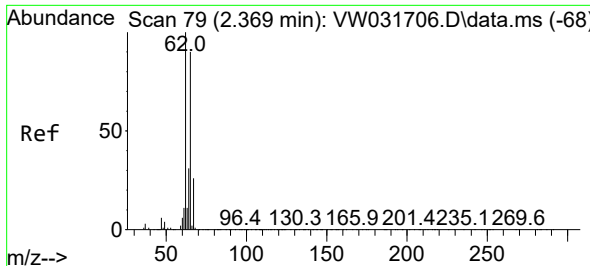
Tgt Ion: 85 Resp: 6676
Ion Ratio Lower Upper
85 100
87 39.4 0.1 0.1#



#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

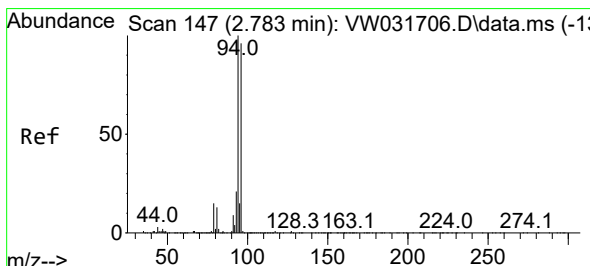
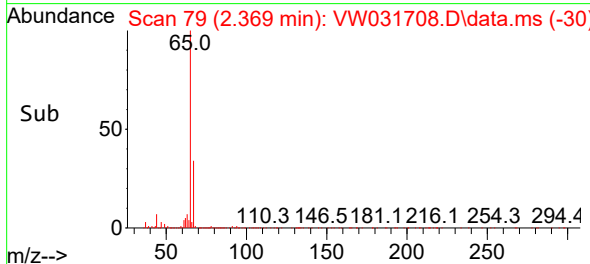
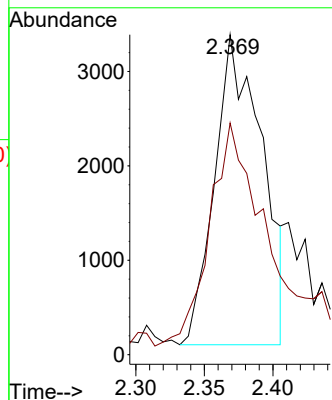
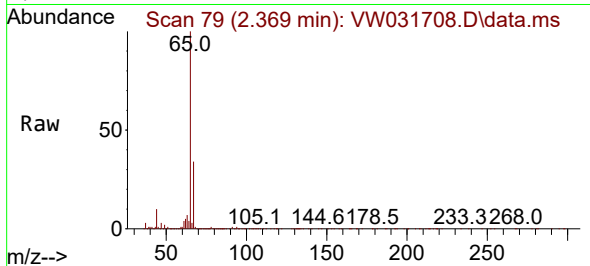




#5
 Vinyl chloride
 Concen: 0.76 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VW031708.D
 Acq: 22 May 2025 10:37

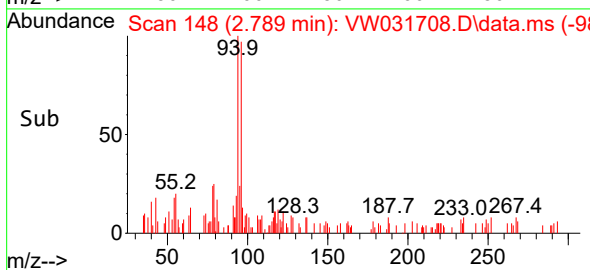
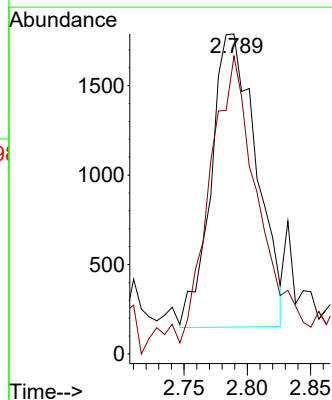
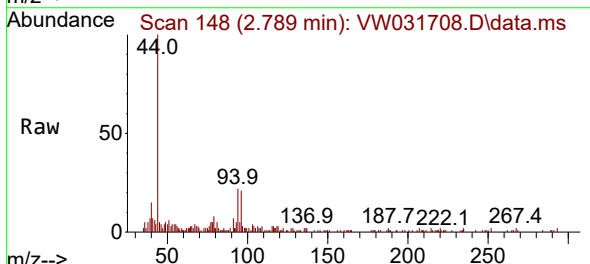
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT1-2025-01

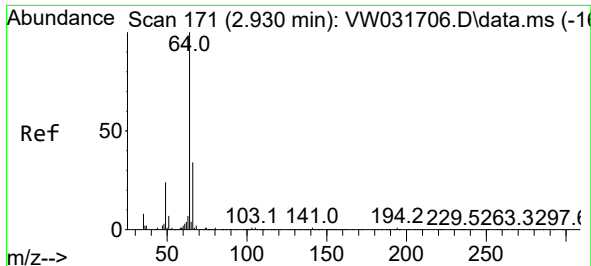
Tgt Ion: 62 Resp: 7895
 Ion Ratio Lower Upper
 62 100
 64 72.4 23.7 43.9#



#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

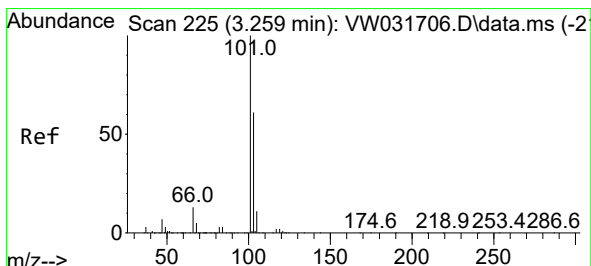
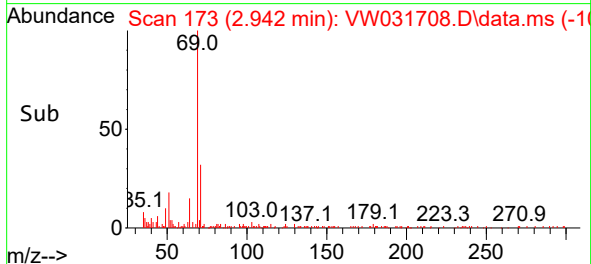
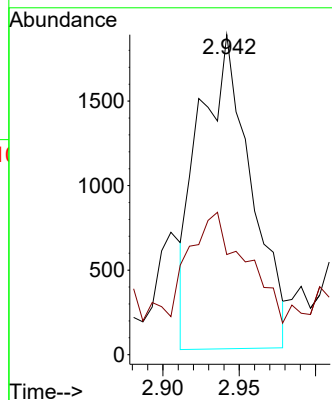
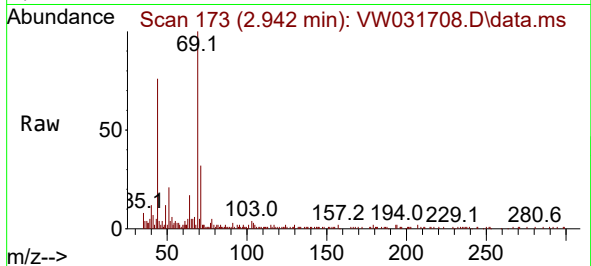




#8
Chloroethane
Concen: 0.89 ug/L m
RT: 2.942 min Scan# 171
Delta R.T. 0.012 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

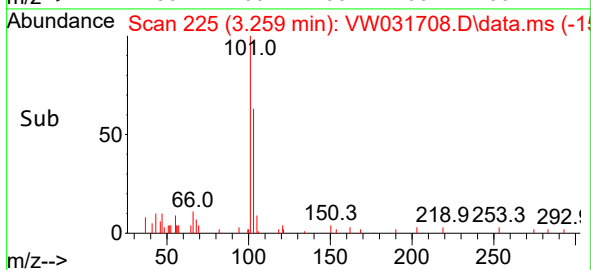
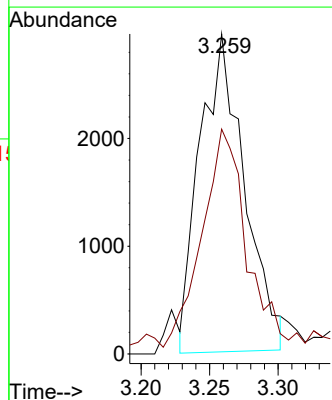
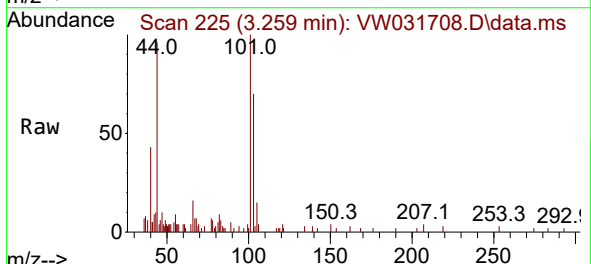
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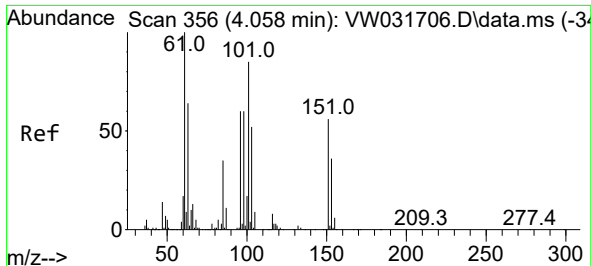
Tgt Ion: 64 Resp: 4409
Ion Ratio Lower Upper
64 100
66 31.3 23.9 44.5



#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

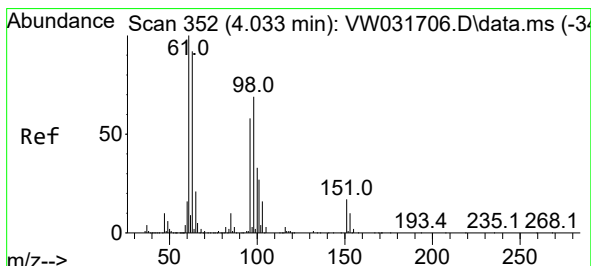
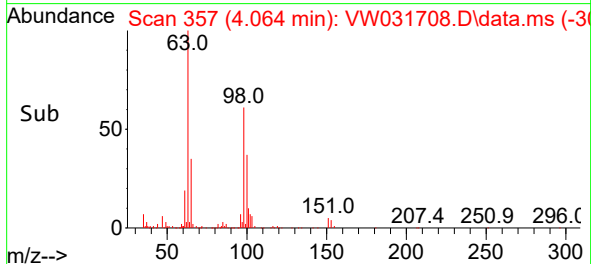
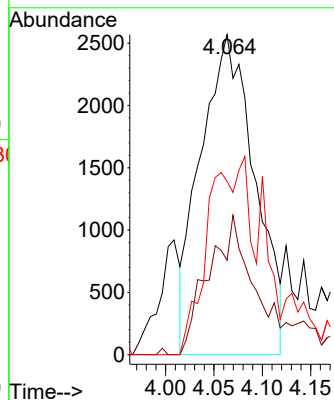
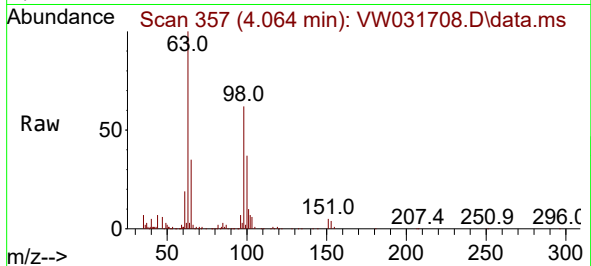




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.93 ug/L
 RT: 4.064 min Scan# 356
 Delta R.T. 0.006 min
 Lab File: VW031708.D
 Acq: 22 May 2025 10:37

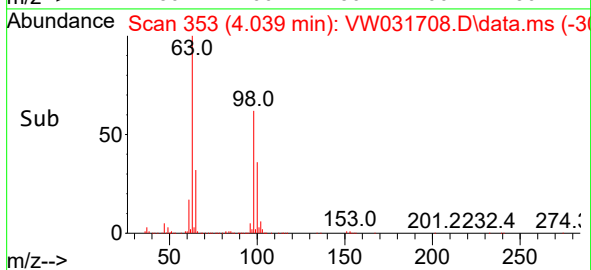
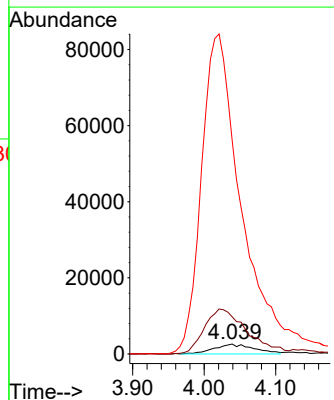
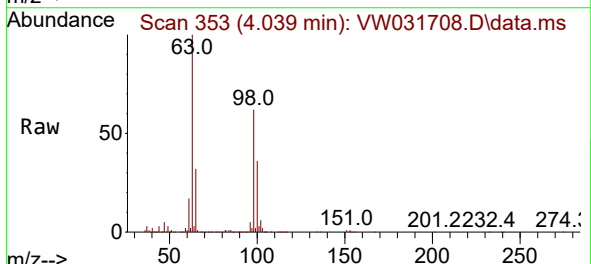
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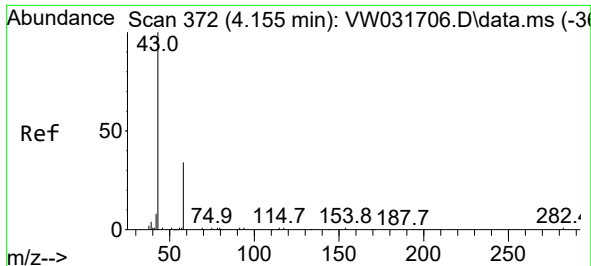
Tgt Ion:101 Resp: 10051
 Ion Ratio Lower Upper
 101 100
 85 16.0 31.8 47.6#
 151 30.7 54.6 82.0#



#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#

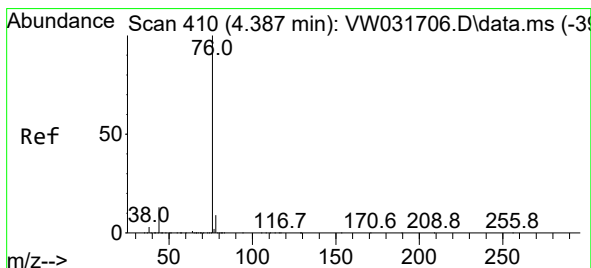
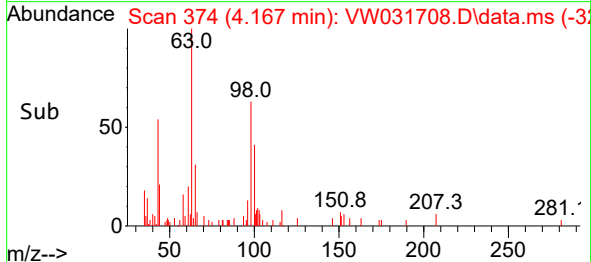
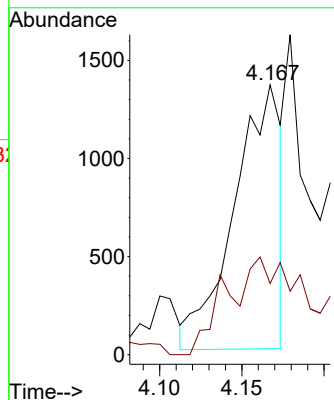
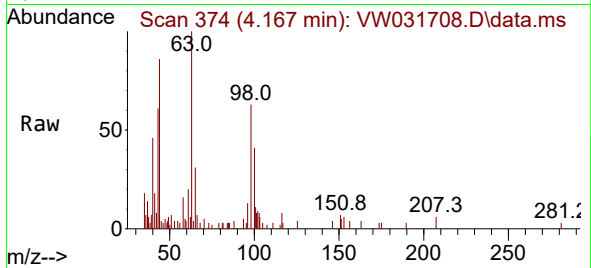




#13
Acetone
Concen: 1.72 ug/L
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

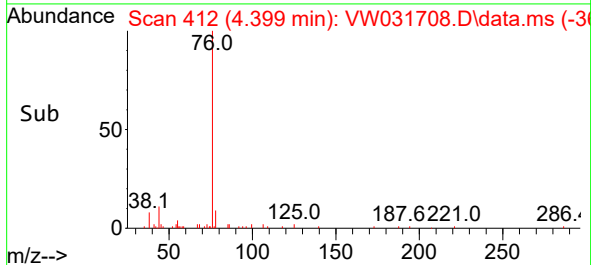
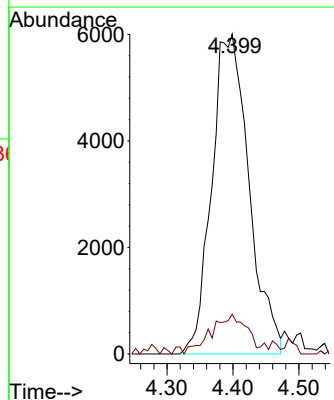
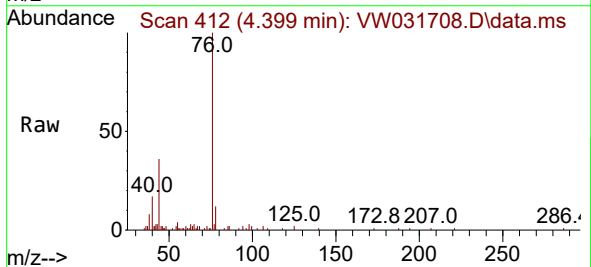
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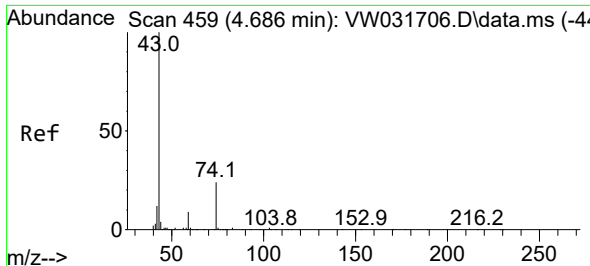
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Ion Ratio Lower Upper
43 100
58 40.4 0.0 66.2



#14
Carbon disulfide
Concen: 0.90 ug/L m
RT: 4.399 min Scan# 412
Delta R.T. 0.012 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 76 Resp: 23513
Ion Ratio Lower Upper
76 100
78 12.4 6.9 10.3#

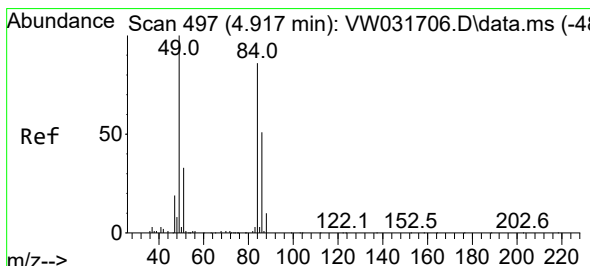
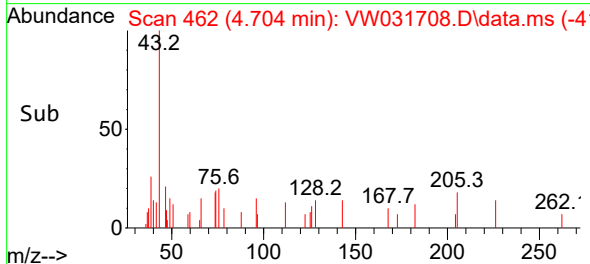
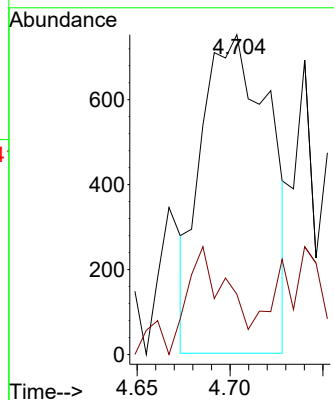
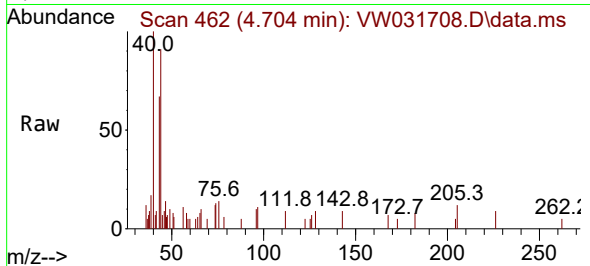




#15
Methyl Acetate
Concen: 0.68 ug/L m
RT: 4.704 min Scan# 4
Delta R.T. 0.018 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

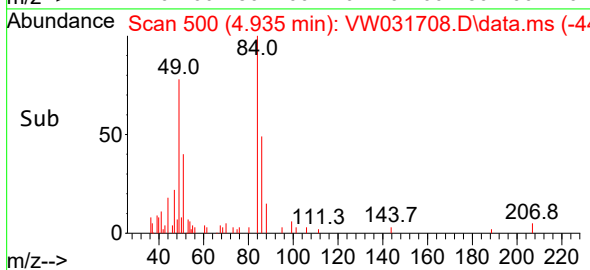
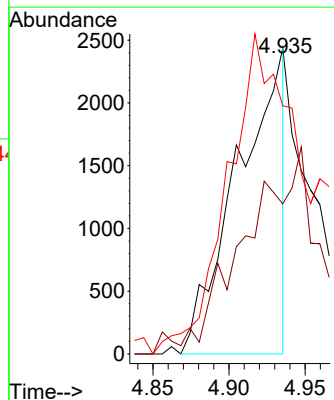
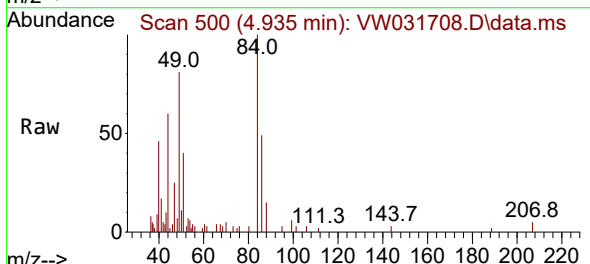
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

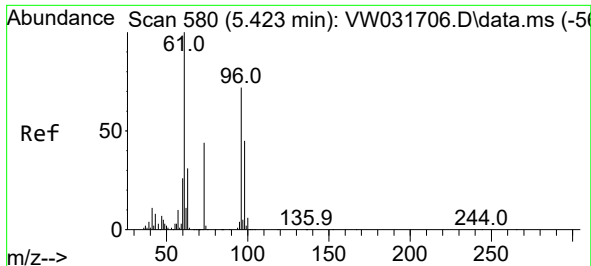
Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
74 7.3 8.7 13.1#



#16
Methylene chloride
Concen: 1.19 ug/L m
RT: 4.935 min Scan# 500
Delta R.T. 0.018 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 84 Resp: 5293
Ion Ratio Lower Upper
84 100
86 49.0 44.2 82.2
49 81.1 85.1 158.1#

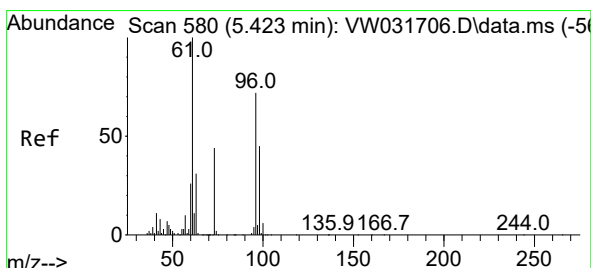
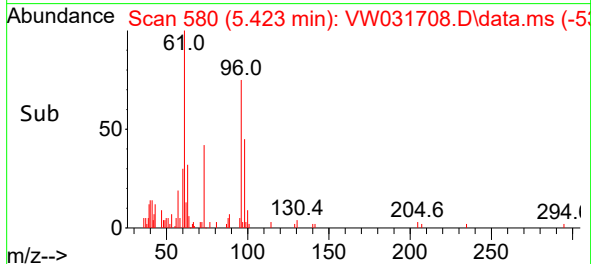
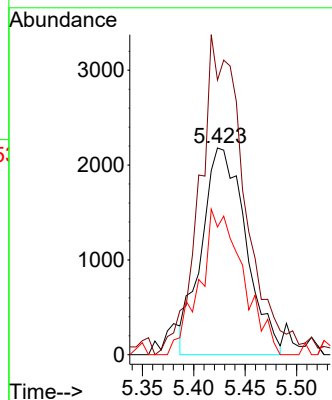
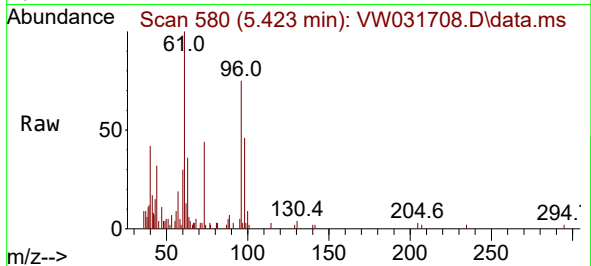




#17
trans-1,2-Dichloroethene
Concen: 0.90 ug/L
RT: 5.423 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

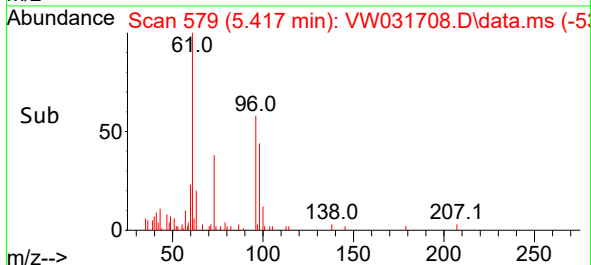
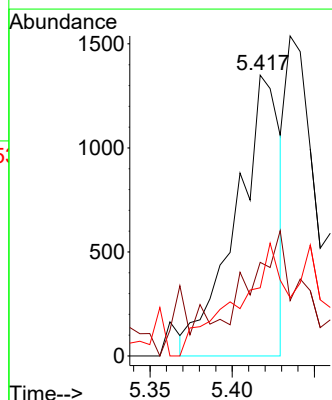
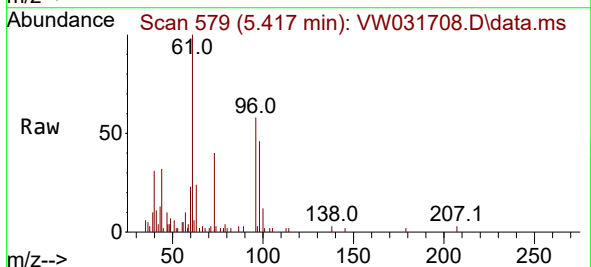
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

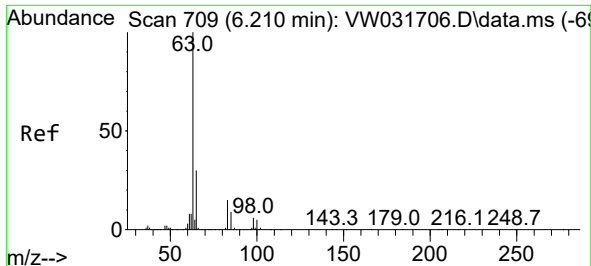
Tgt Ion: 96 Resp: 6533
Ion Ratio Lower Upper
96 100
61 132.7 100.9 187.3
98 61.7 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 0.49 ug/L
RT: 5.417 min Scan# 579
Delta R.T. -0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

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

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

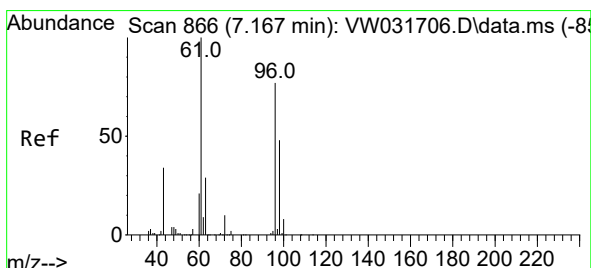
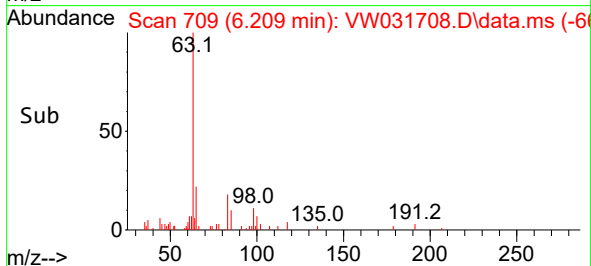
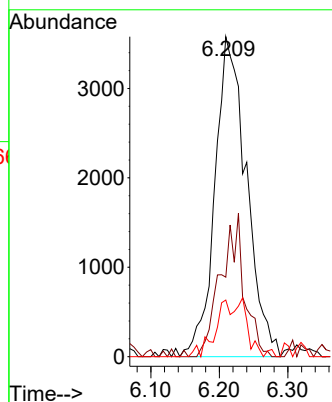
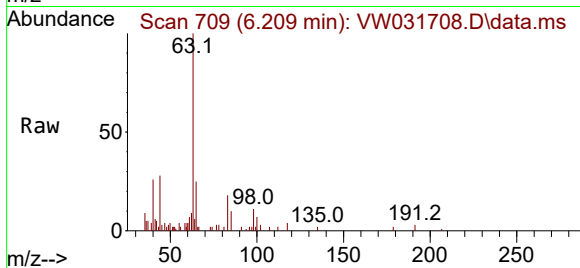
Tgt Ion: 63 Resp: 11413

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: 0.96 ug/L m

RT: 7.179 min Scan# 868

Delta R.T. 0.012 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

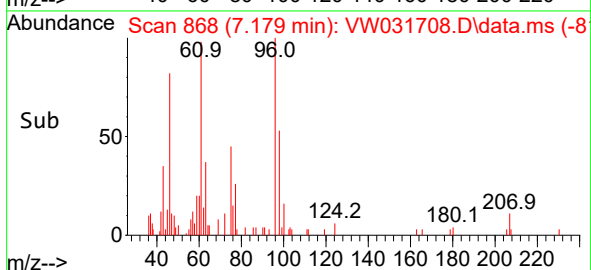
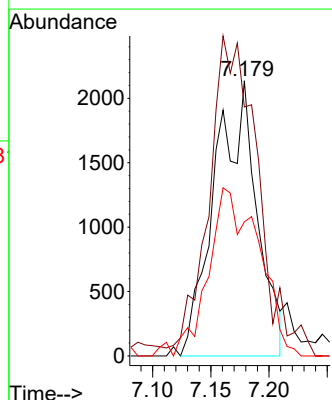
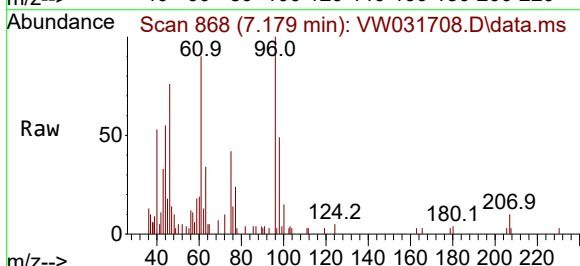
Tgt Ion: 96 Resp: 5393

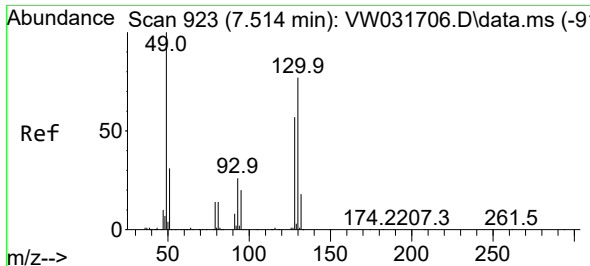
Ion Ratio Lower Upper

96 100

61 90.4 84.8 157.6

98 48.7 42.4 78.6

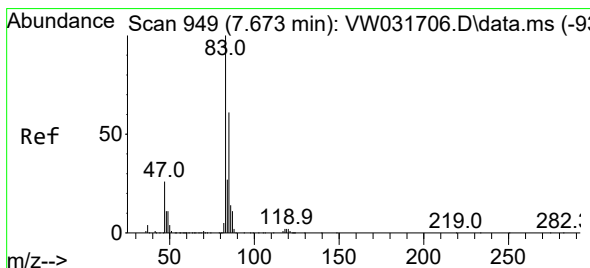
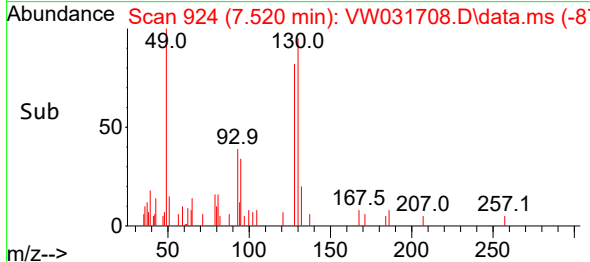
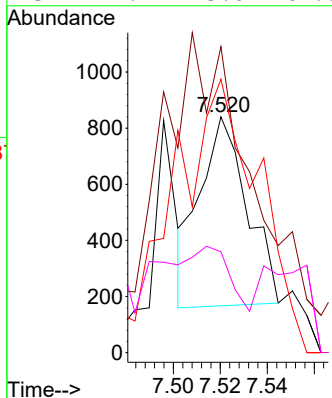
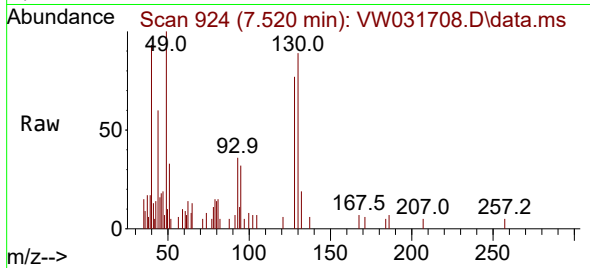




#23
Bromochloromethane
Concen: 0.52 ug/L
RT: 7.520 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

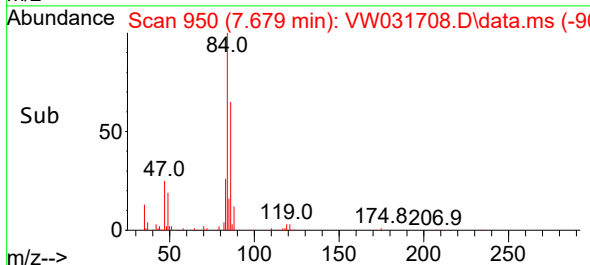
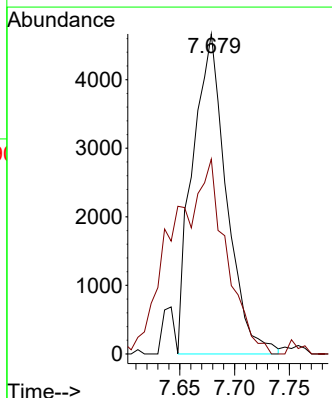
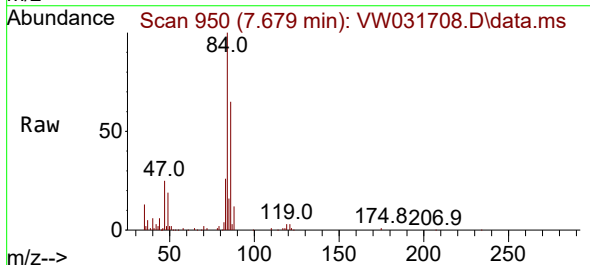
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

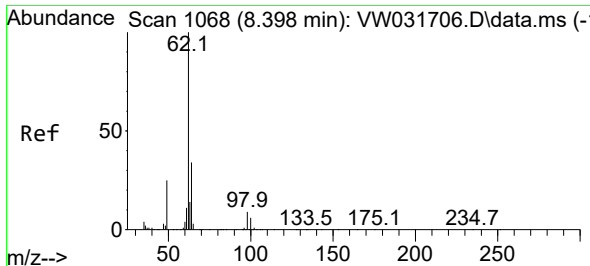
Tgt Ion:128 Resp: 940
Ion Ratio Lower Upper
128 100
49 143.2 125.1 232.3
130 116.0 83.9 155.7
51 42.9 43.0 64.6#



#25
Chloroform
Concen: 1.03 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

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

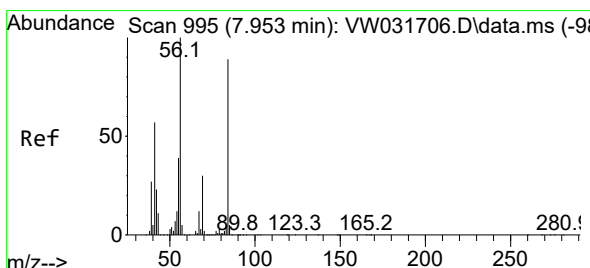
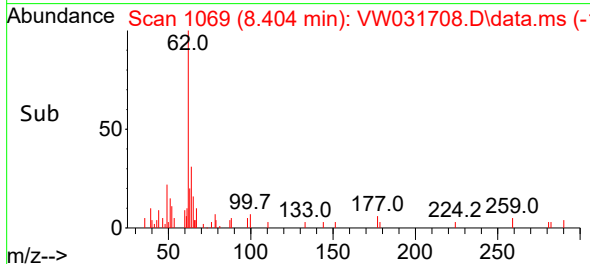
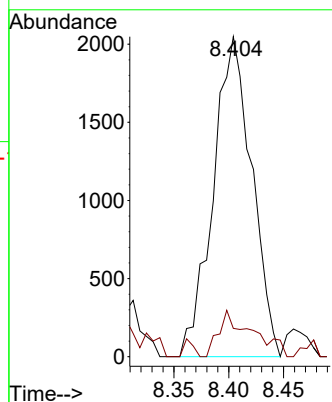
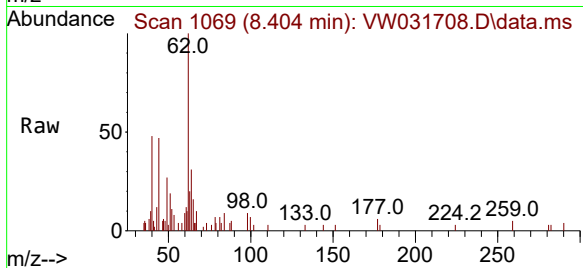




#27
1,2-Dichloroethane
Concen: 1.12 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

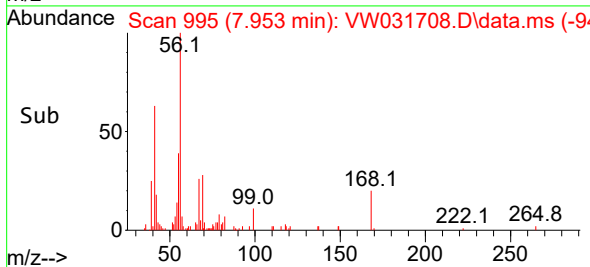
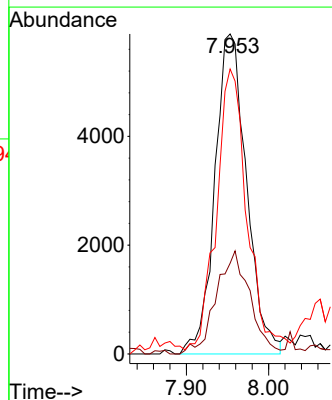
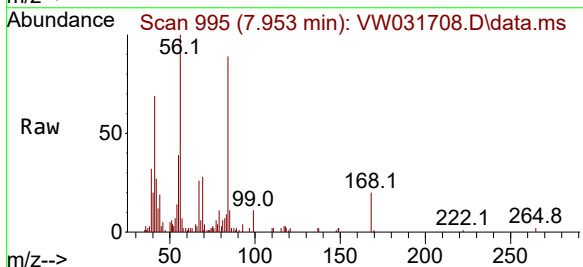
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

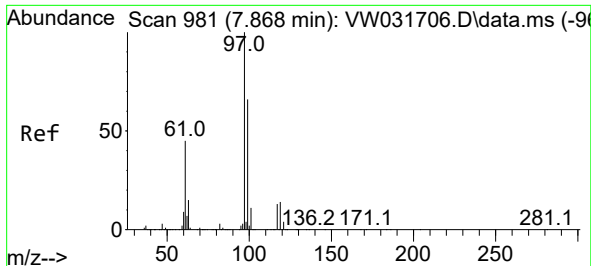
Tgt Ion: 62 Resp: 5027
Ion Ratio Lower Upper
62 100
98 8.9 8.0 12.0



#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

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

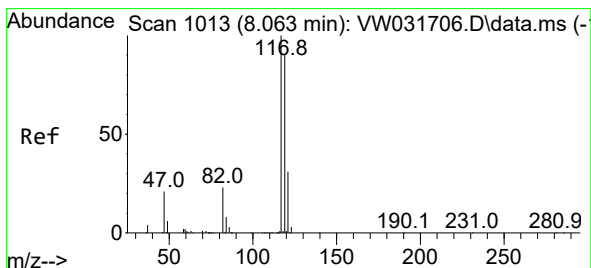
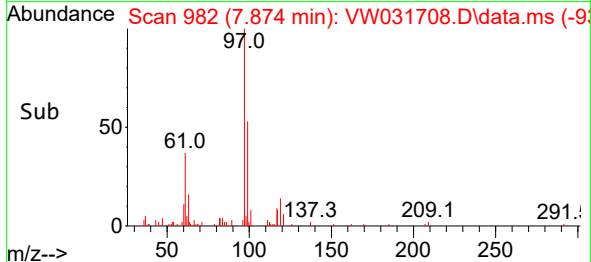
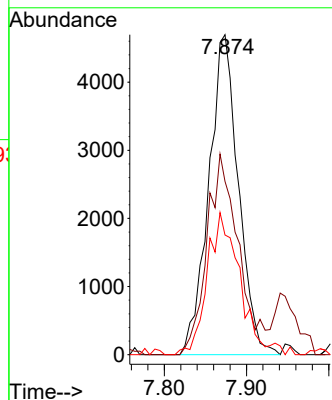
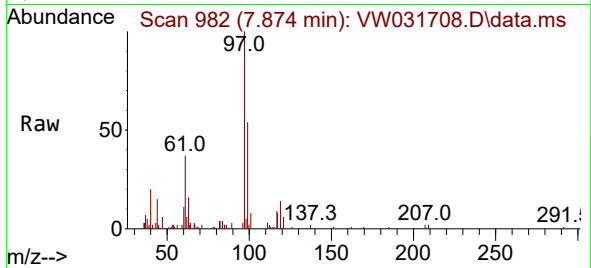




#30
1,1,1-Trichloroethane
Concen: 0.93 ug/L
RT: 7.874 min Scan# 981
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

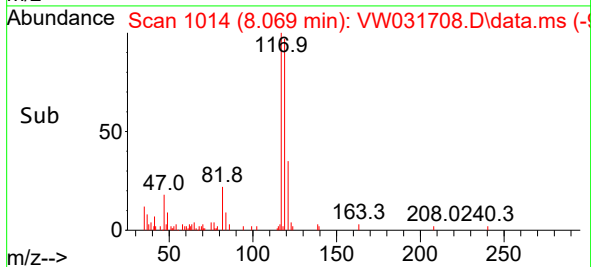
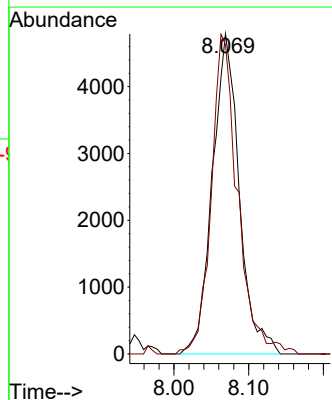
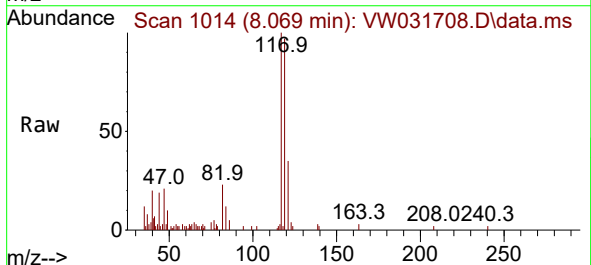
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

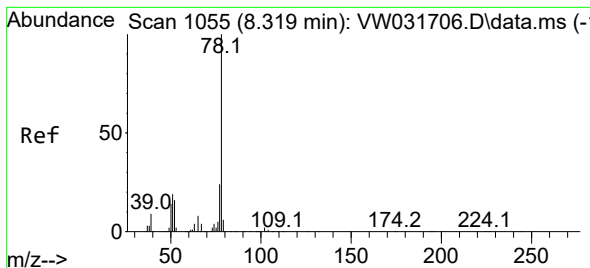
Tgt Ion:	97	Resp:	11785
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	46.5	36.4	54.6



#31
Carbon tetrachloride
Concen: 0.94 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

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

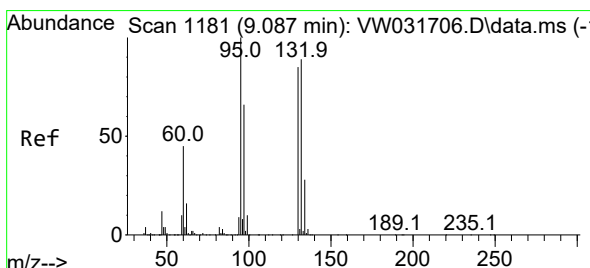
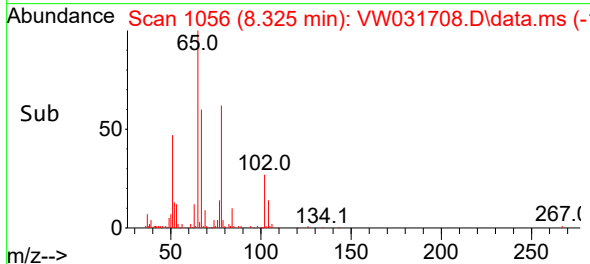
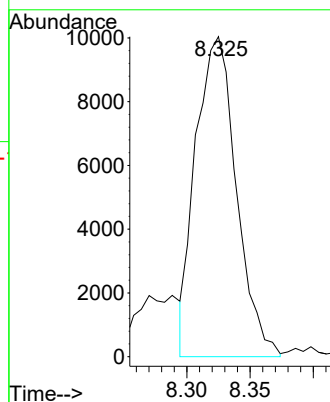
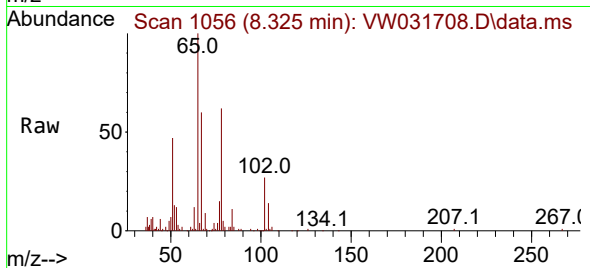
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion: 78 Resp: 22405



#34

Trichloroethene

Concen: 0.97 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Tgt Ion: 95 Resp: 7914

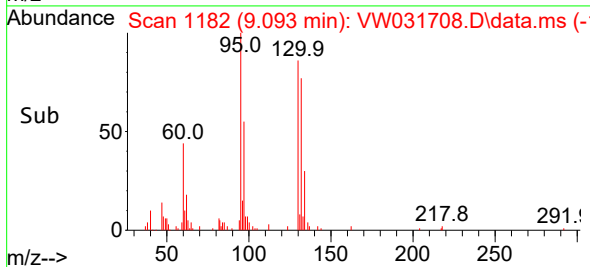
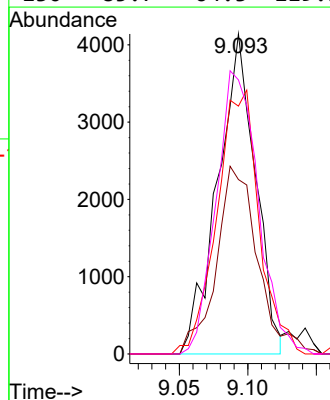
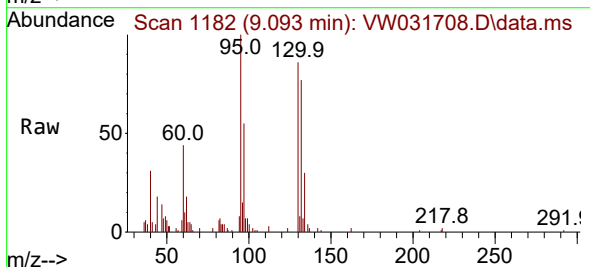
Ion Ratio Lower Upper

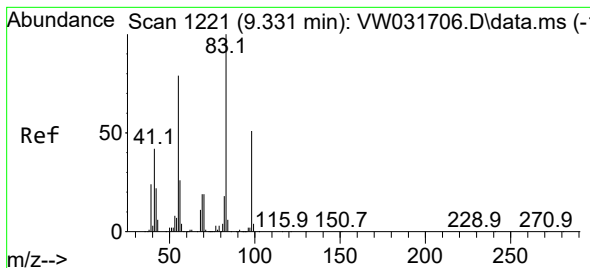
95 100

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# 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

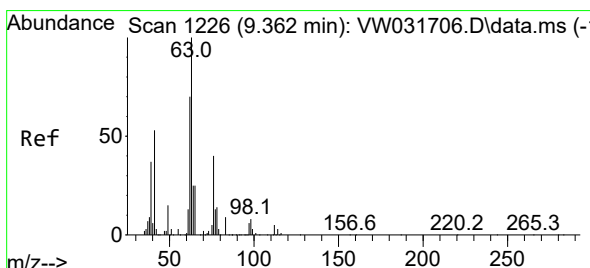
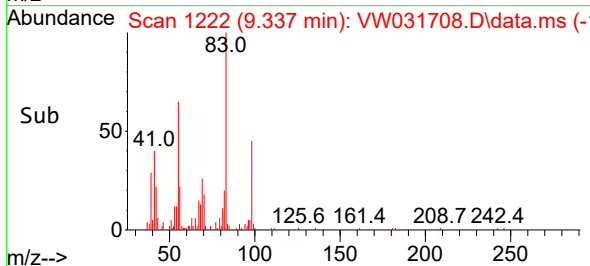
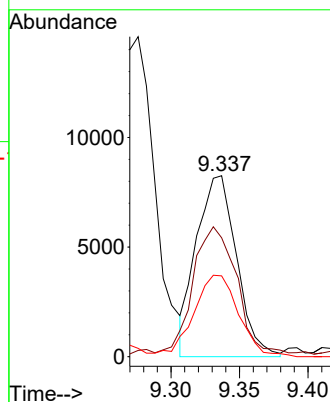
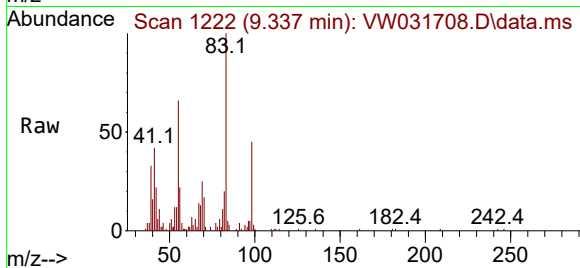
Tgt Ion: 83 Resp: 16805

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# 1227

Delta R.T. 0.006 min

Lab File: VW031708.D

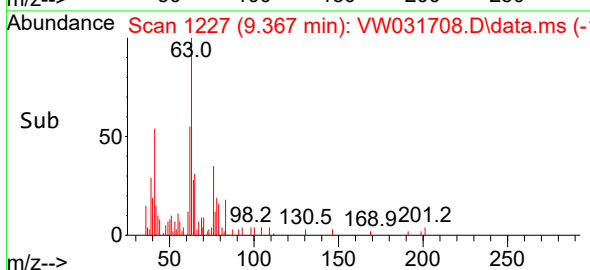
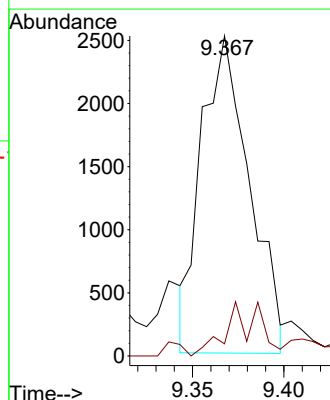
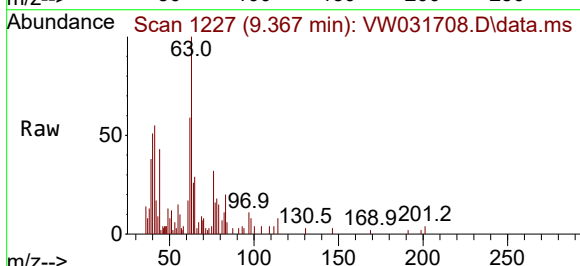
Acq: 22 May 2025 10:37

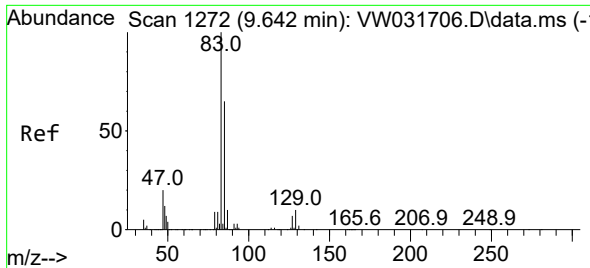
Tgt Ion: 63 Resp: 4602

Ion Ratio Lower Upper

63 100

112 4.3 4.0 6.0

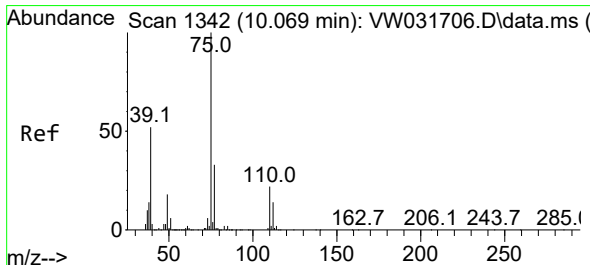
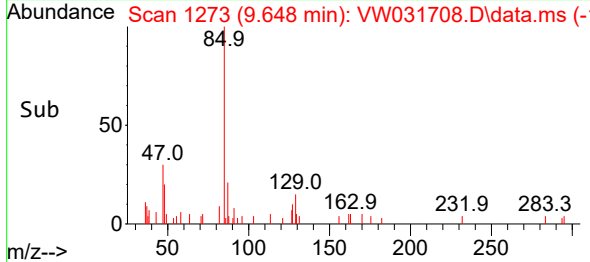
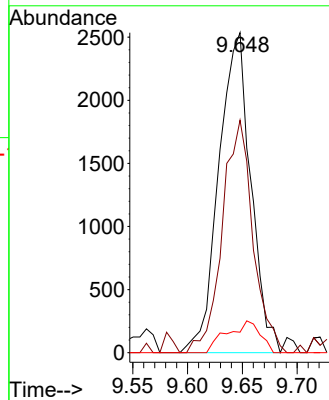
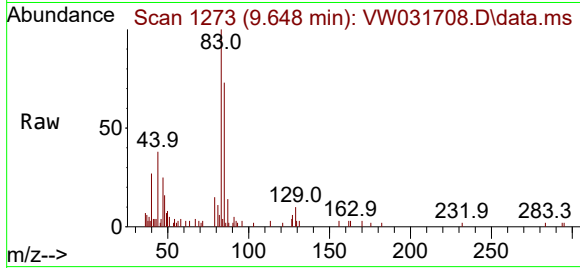




#38
Bromodichloromethane
Concen: 0.98 ug/L
RT: 9.648 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

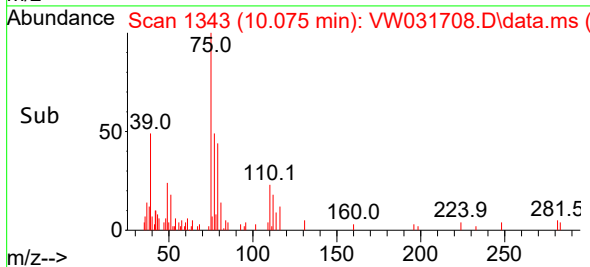
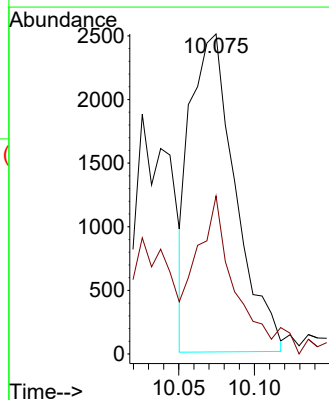
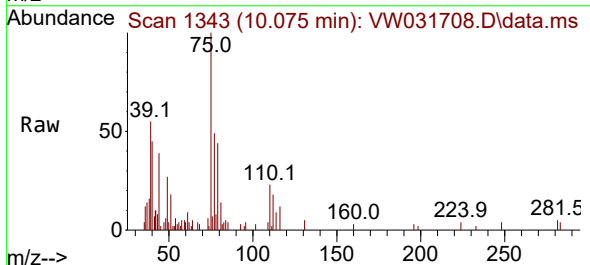
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

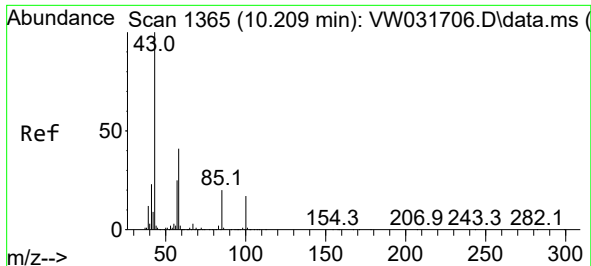
Tgt Ion: 83	Resp: 5159
Ion Ratio	Lower Upper
83 100	
85 72.7	44.0 81.8
127 6.4	5.8 8.6



#39
cis-1,3-Dichloropropene
Concen: 0.87 ug/L m
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

Tgt Ion: 75	Resp: 5190
Ion Ratio	Lower Upper
75 100	
77 49.4	20.7 38.5#

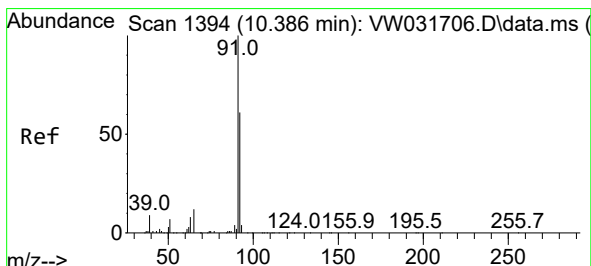
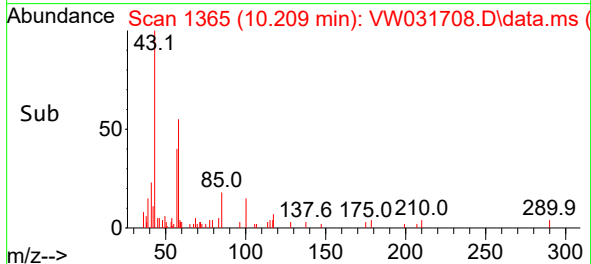
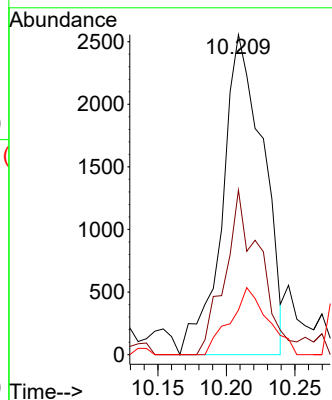
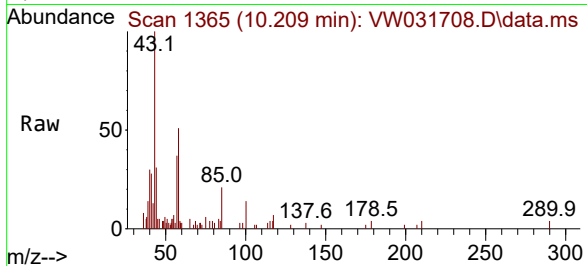




#40
4-Methyl-2-pentanone
Concen: 1.80 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

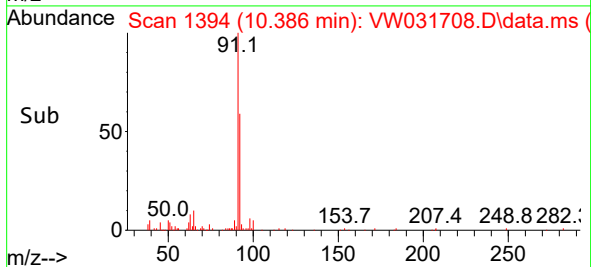
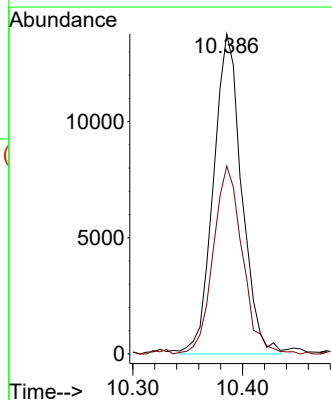
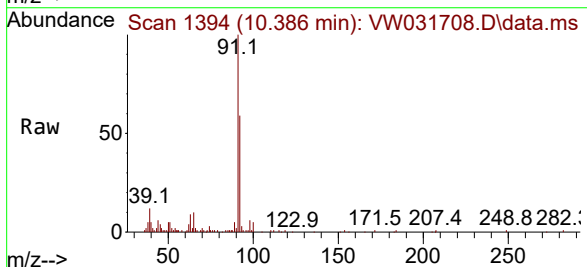
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

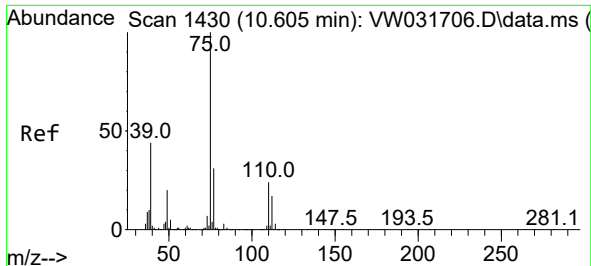
Tgt Ion: 43 Resp: 5303
Ion Ratio Lower Upper
43 100
58 27.6 31.0 46.6#
100 19.3 11.9 17.9#



#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

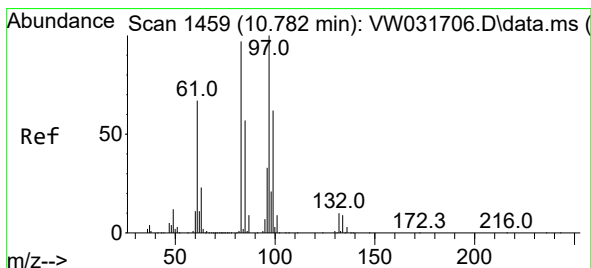
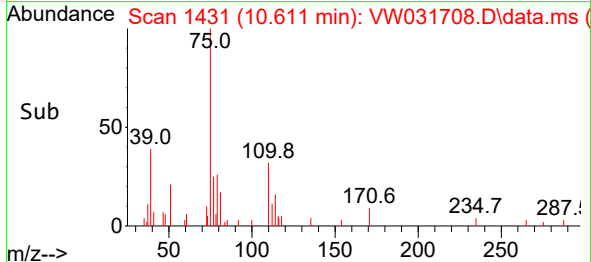
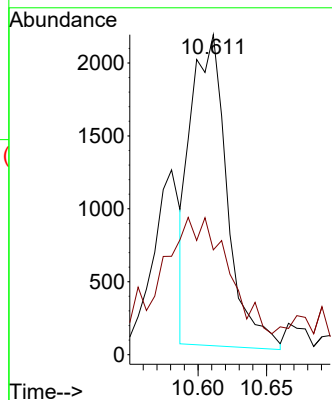
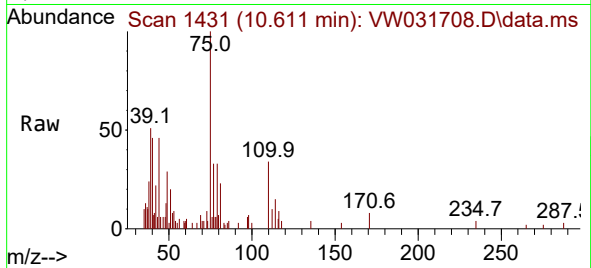




#44
trans-1,3-Dichloropropene
Concen: 0.88 ug/L
RT: 10.611 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

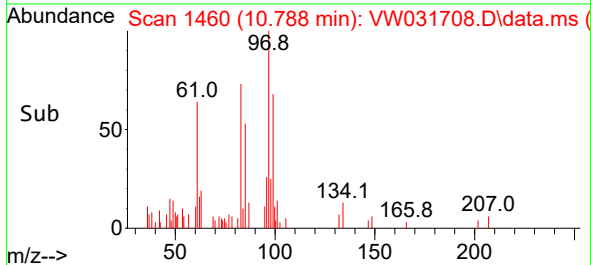
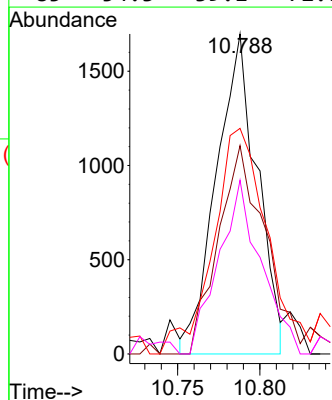
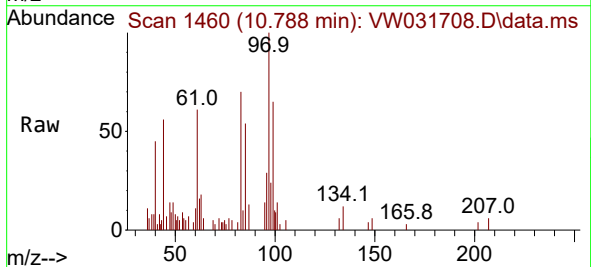
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

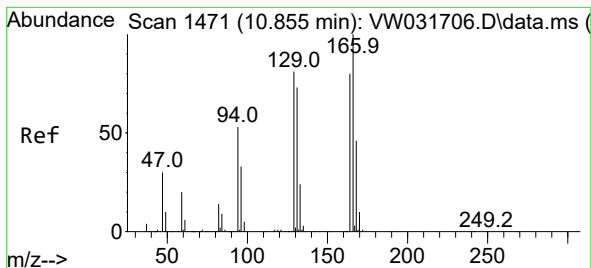
Tgt Ion: 75 Resp: 3926
Ion Ratio Lower Upper
75 100
77 32.8 22.1 41.1



#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

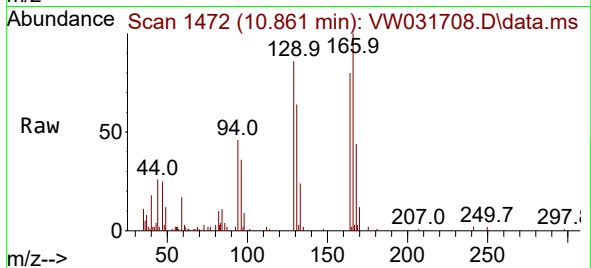
Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-01



Tgt Ion:164 Resp: 6499

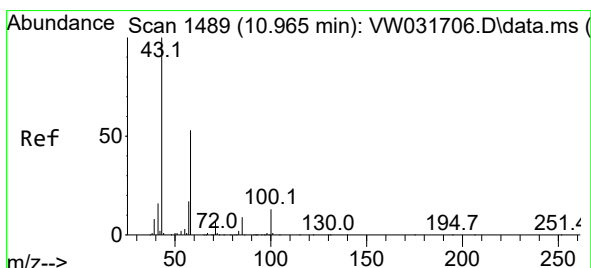
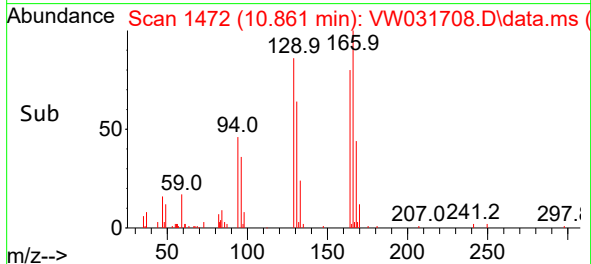
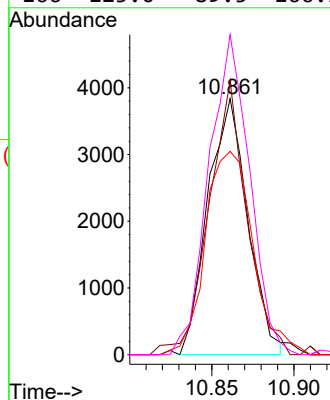
Ion Ratio Lower Upper

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

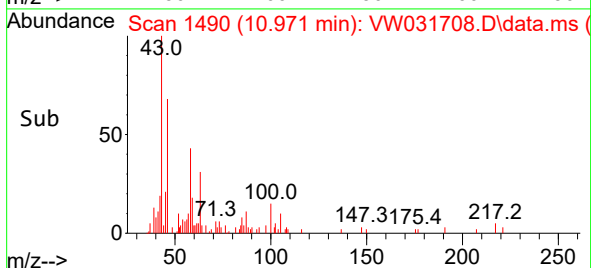
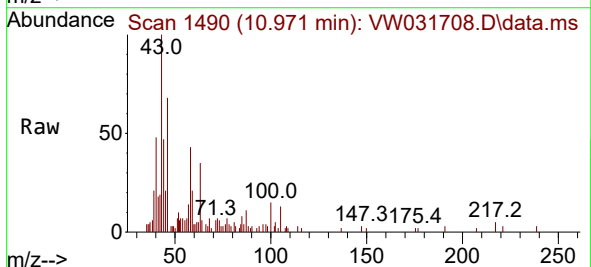
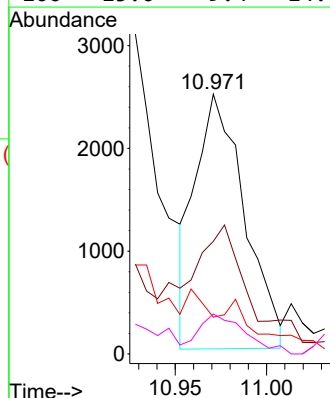
Ion Ratio Lower Upper

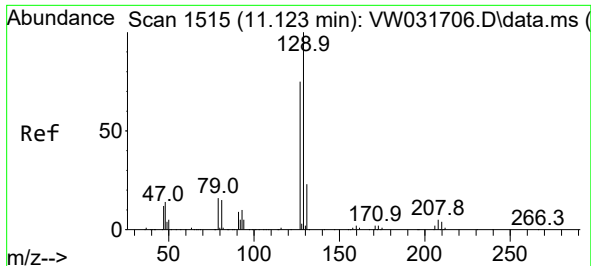
43 100

58 45.5 43.6 65.4

57 17.7 15.4 23.0

100 15.0 9.4 14.0#

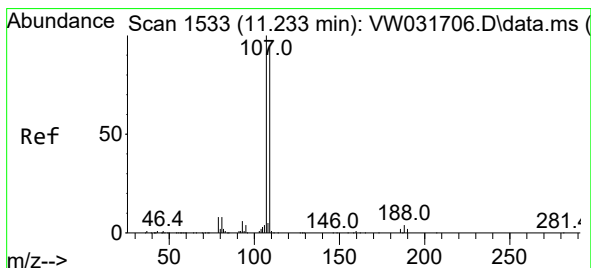
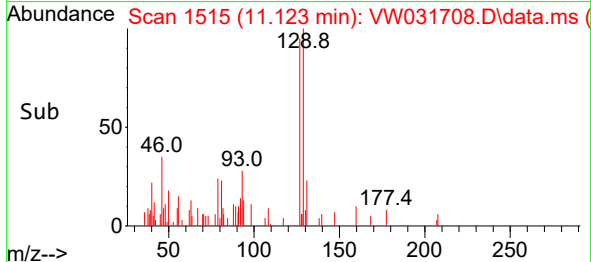
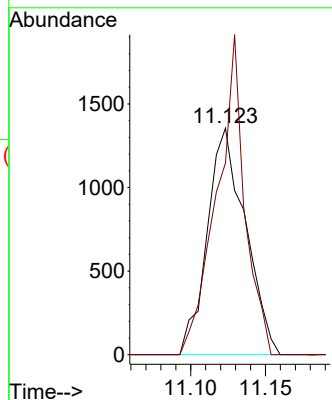
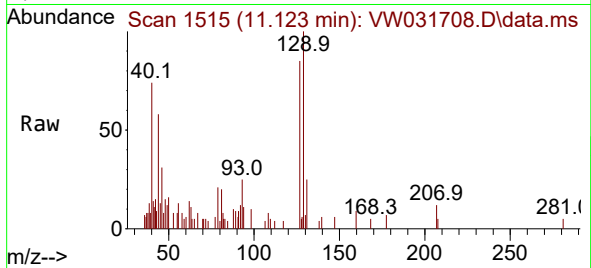




#49
Dibromochloromethane
Concen: 0.87 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

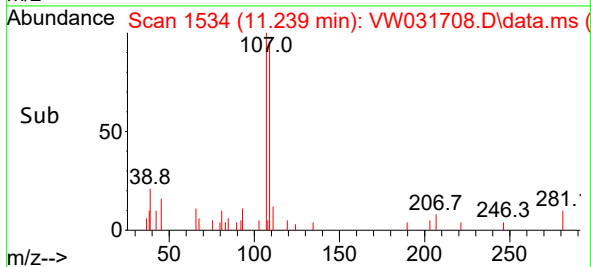
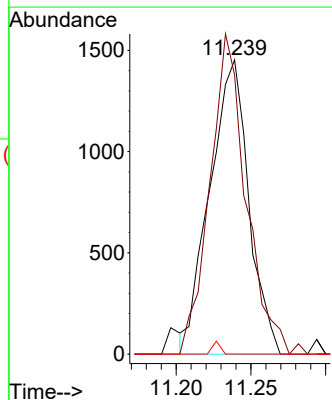
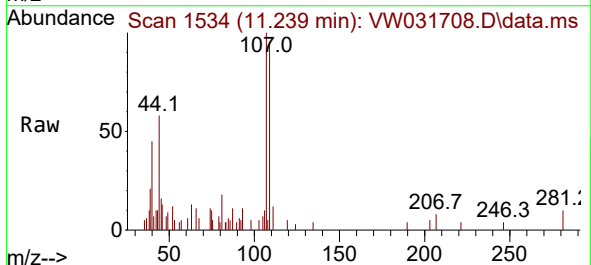
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

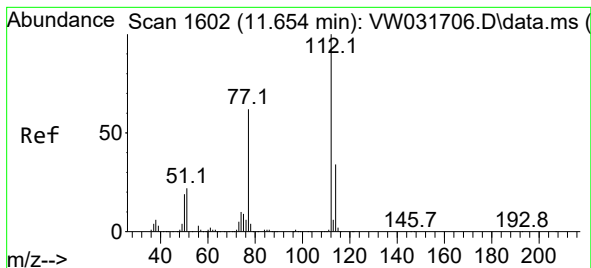
Tgt Ion:129 Resp: 2399
Ion Ratio Lower Upper
129 100
127 89.8 59.7 110.9



#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

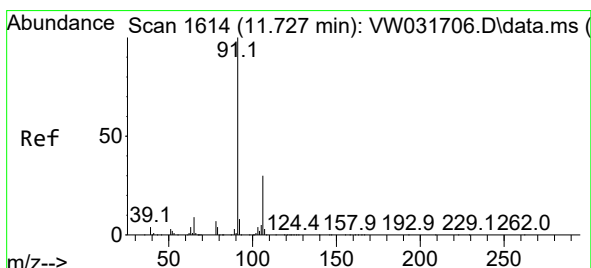
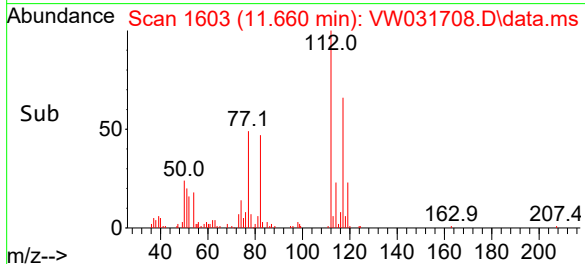
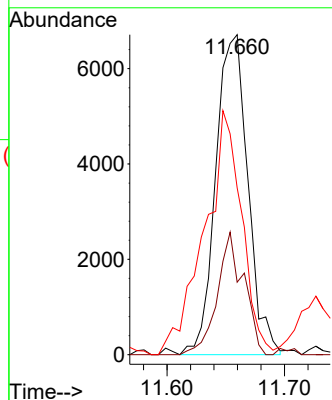
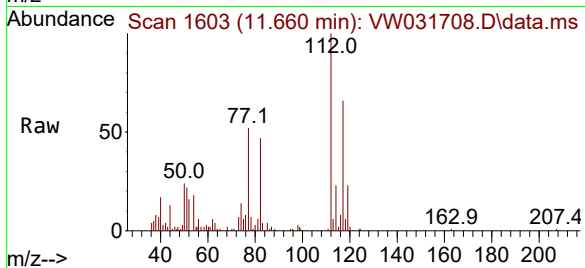
Instrument :

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

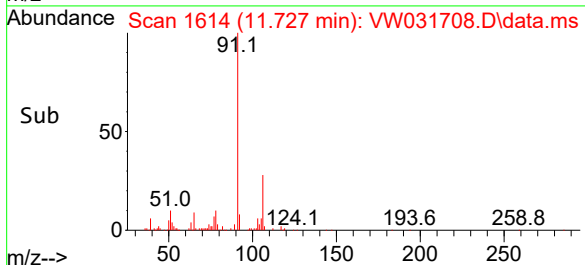
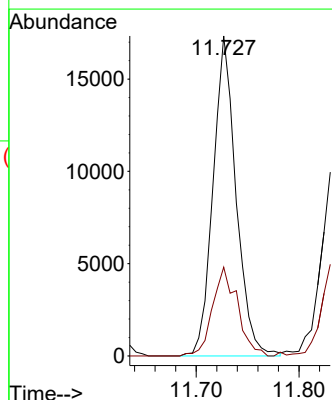
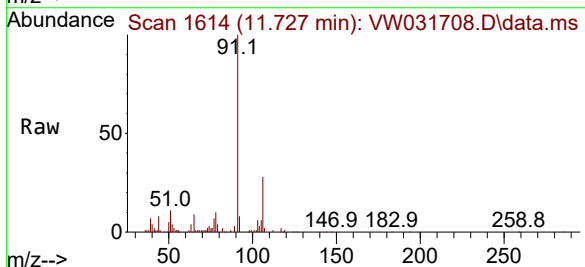
RT: 11.727 min Scan# 1614

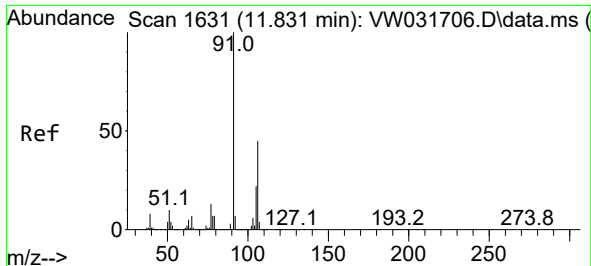
Delta R.T. -0.000 min

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

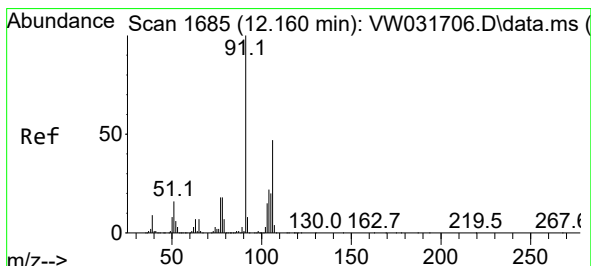
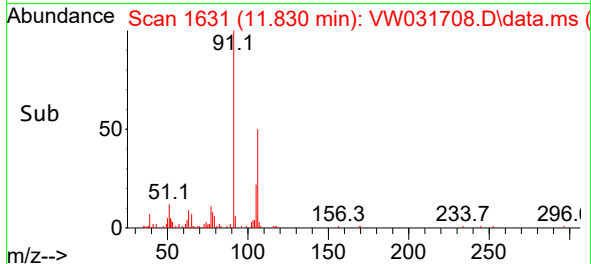
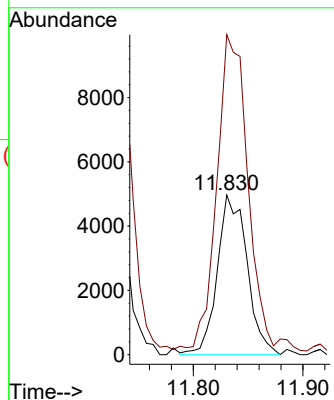
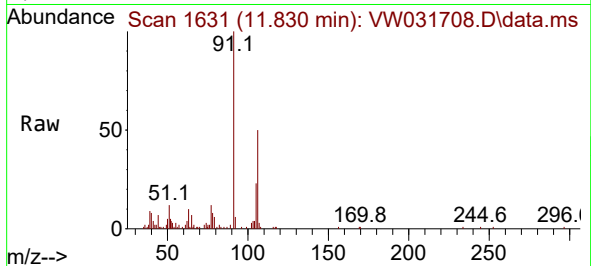




#53
m,p-Xylene
Concen: 0.82 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

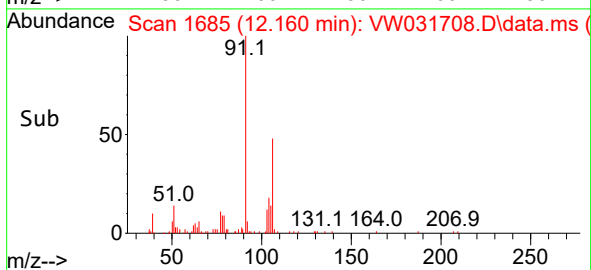
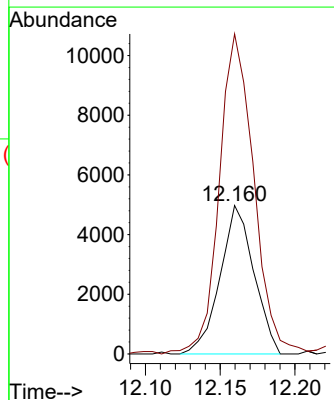
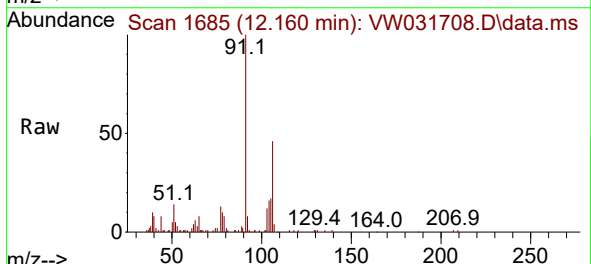
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

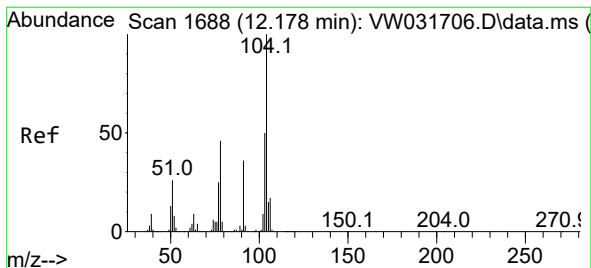
Tgt Ion:106 Resp: 9339
Ion Ratio Lower Upper
106 100
91 200.4 138.9 257.9



#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





#55

Styrene

Concen: 0.79 ug/L m

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031708.D

Acq: 22 May 2025 10:37

Instrument :

MSVOA_W

ClientSampleId :

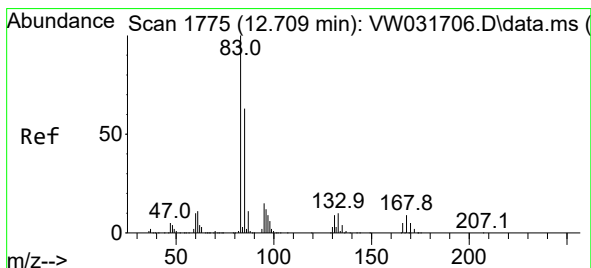
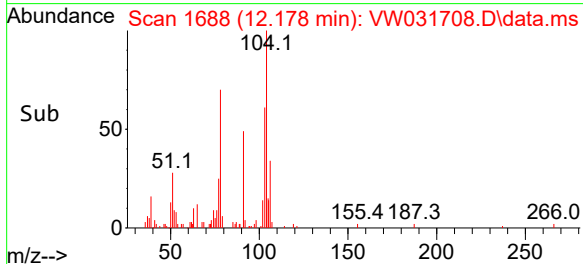
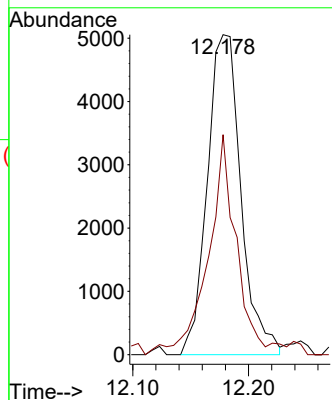
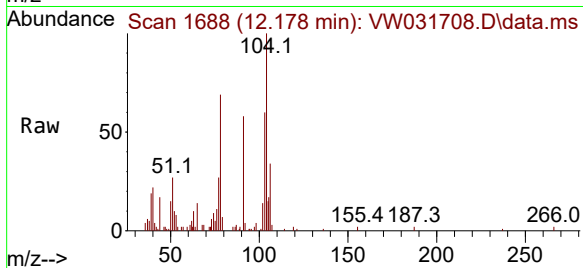
MDL-SOIL-QT1-2025-01

Tgt Ion:104 Resp: 10198

Ion Ratio Lower Upper

104 100

78 68.8 32.1 59.5#



#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

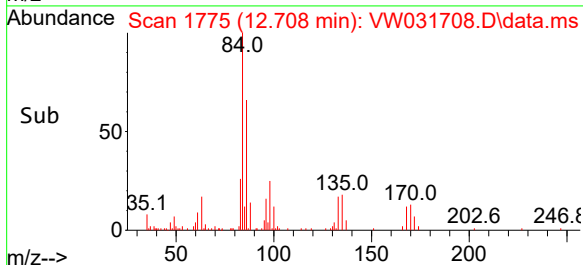
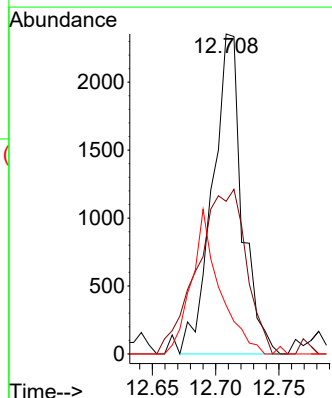
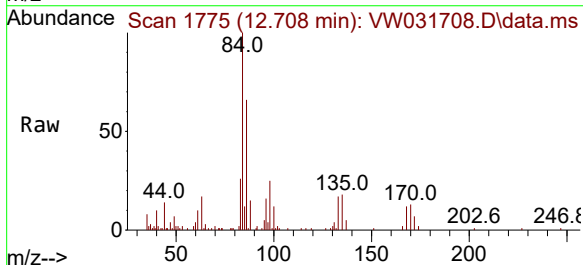
Tgt Ion: 83 Resp: 3843

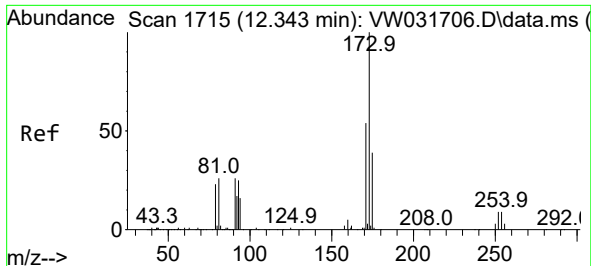
Ion Ratio Lower Upper

83 100

85 47.7 44.2 82.2

131 15.2 7.4 11.2#

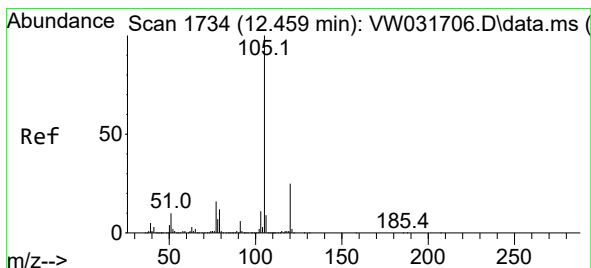
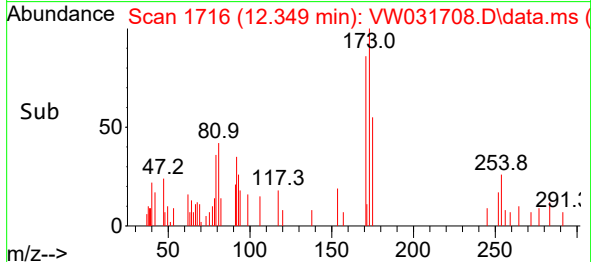
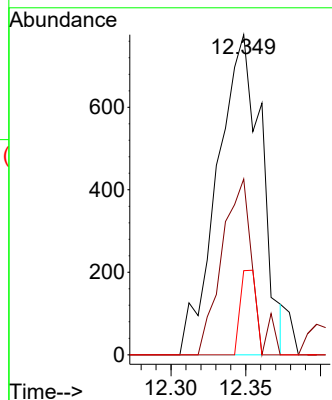
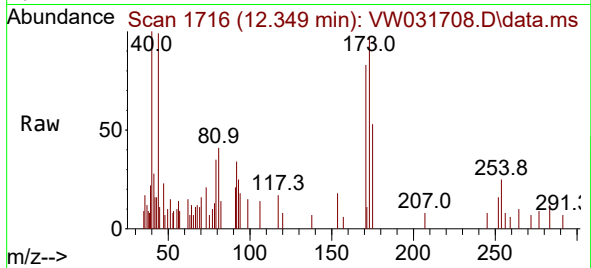




#59
Bromoform
Concen: 1.16 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

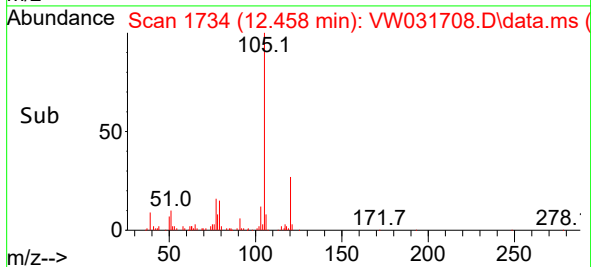
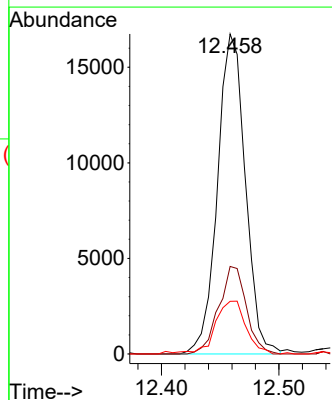
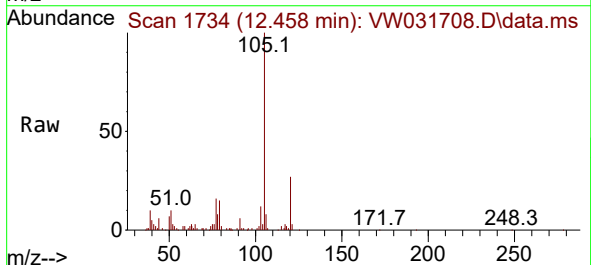
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

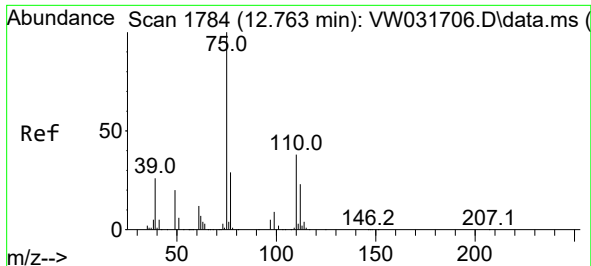
Tgt Ion:173 Resp: 1589
Ion Ratio Lower Upper
173 100
175 35.8 38.1 57.1#
254 9.4 5.5 8.3#



#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

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

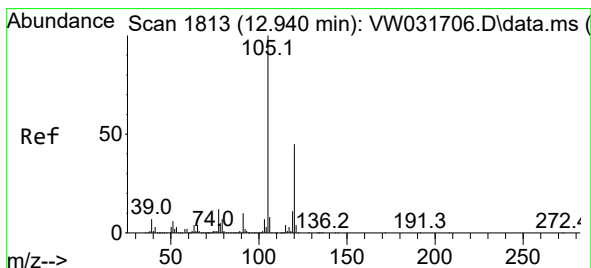
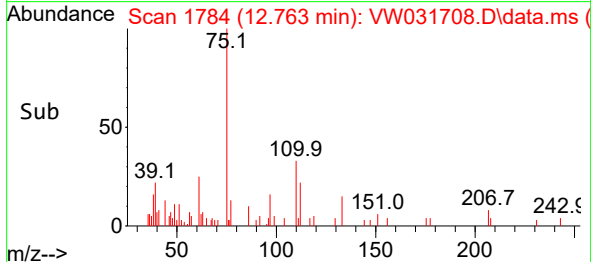
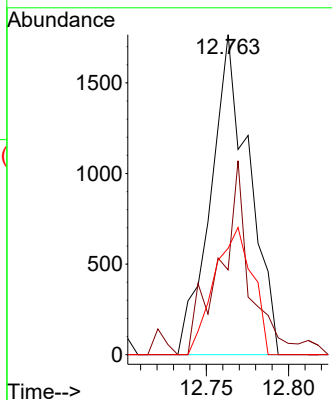
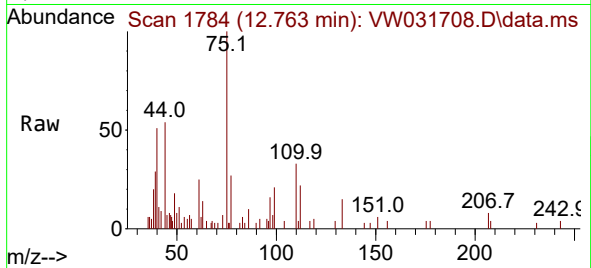




#61
1,2,3-Trichloropropane
Concen: 1.13 ug/L
RT: 12.763 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

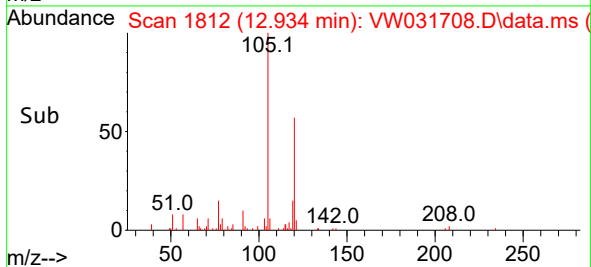
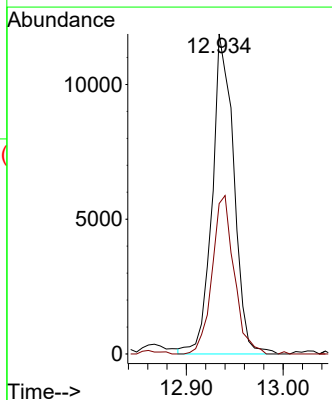
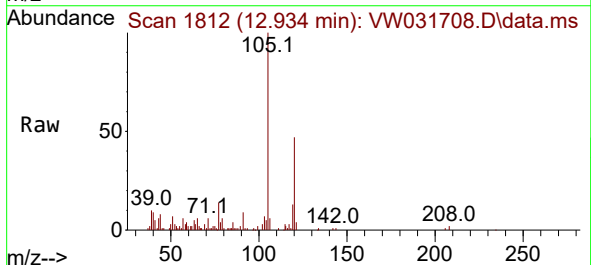
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

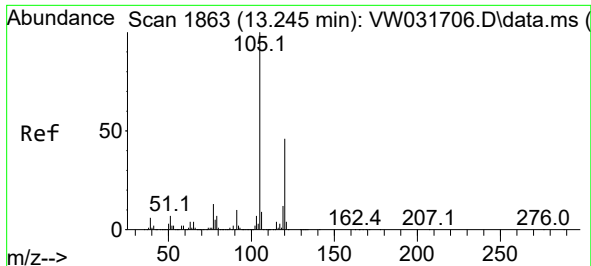
Tgt Ion:	75	Resp:	2870
Ion	Ratio	Lower	Upper
75	100		
77	41.7	28.4	42.6
110	39.5	30.9	46.3



#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

Tgt Ion:	105	Resp:	18411
Ion	Ratio	Lower	Upper
105	100		
120	50.2	38.2	57.2

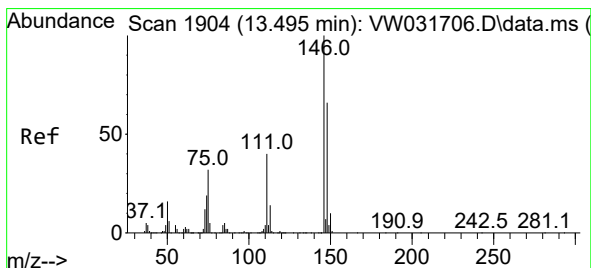
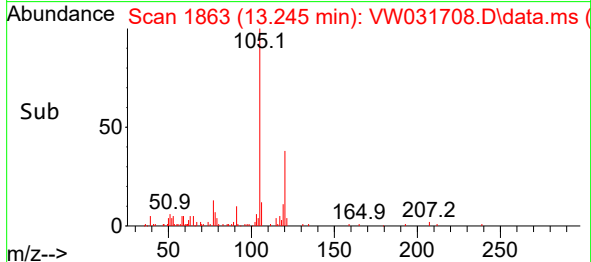
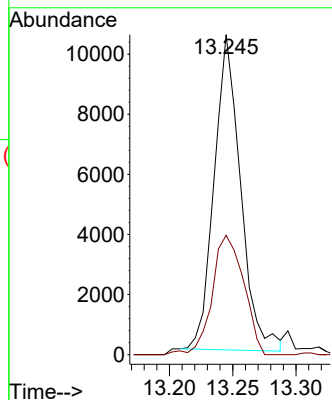
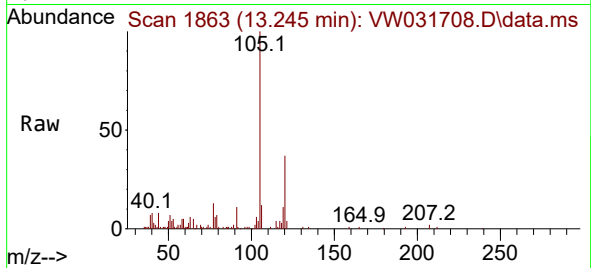




#63
1,2,4-Trimethylbenzene
Concen: 0.82 ug/L
RT: 13.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

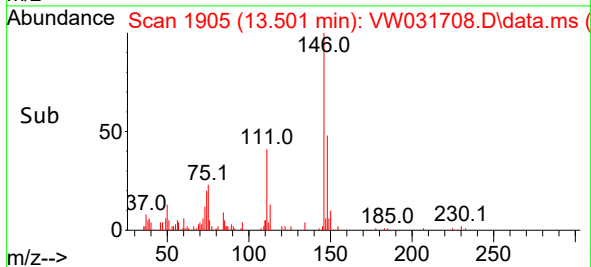
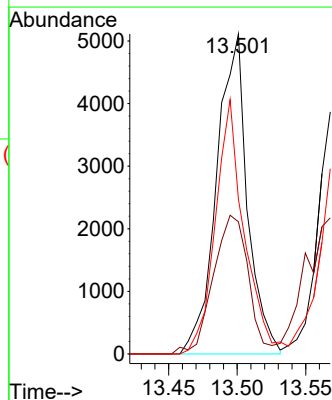
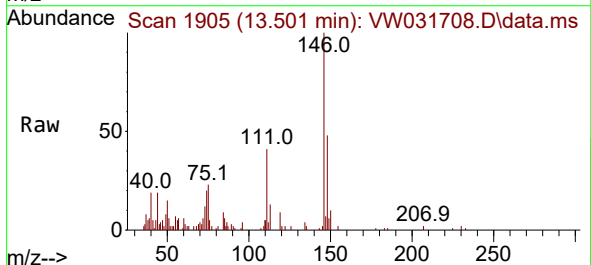
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

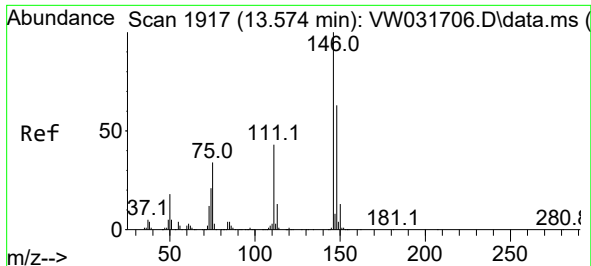
Tgt Ion:105 Resp: 15230
Ion Ratio Lower Upper
105 100
120 44.5 35.4 53.2



#64
1,3-Dichlorobenzene
Concen: 0.95 ug/L
RT: 13.501 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

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

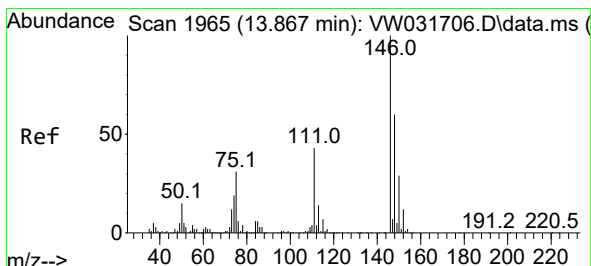
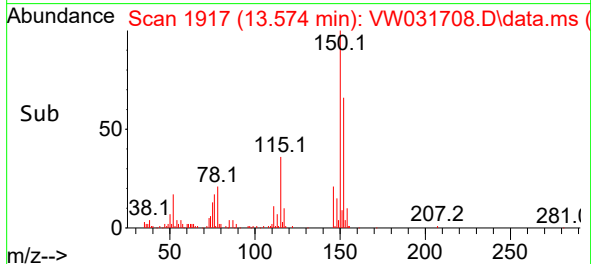
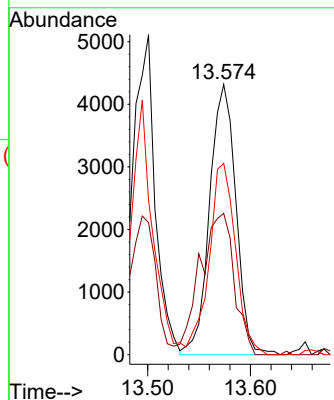
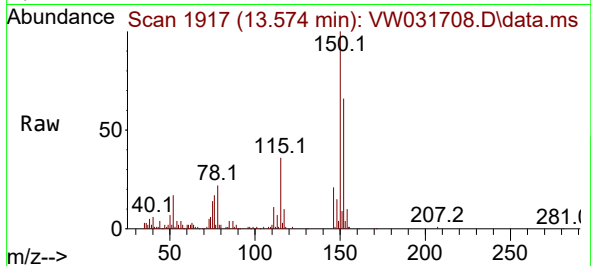




#65
1,4-Dichlorobenzene
Concen: 0.98 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

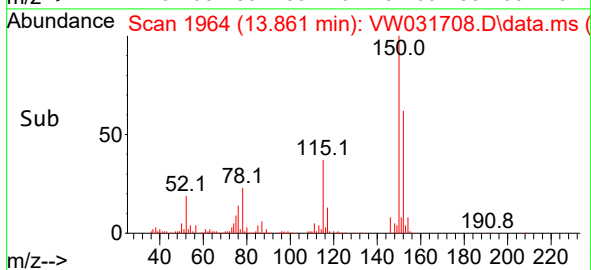
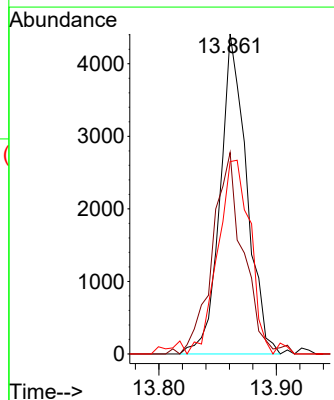
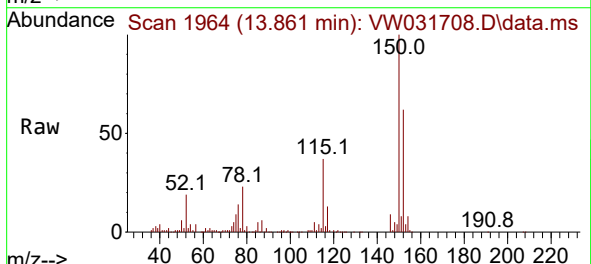
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

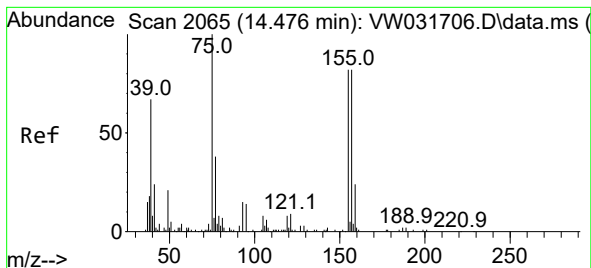
Tgt Ion:146 Resp: 7651
Ion Ratio Lower Upper
146 100
111 52.3 27.6 51.2#
148 70.8 40.6 75.4



#67
1,2-Dichlorobenzene
Concen: 1.08 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. -0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

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

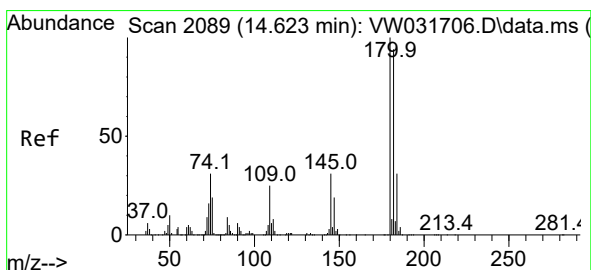
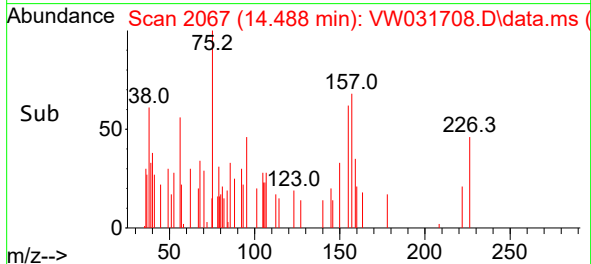
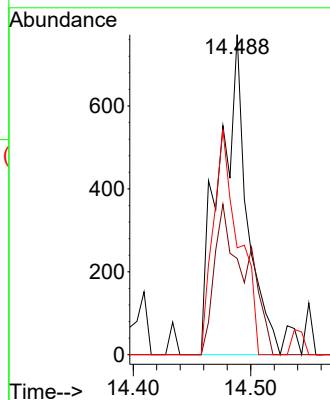
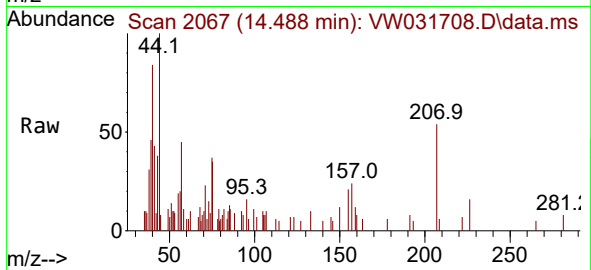




#68
1,2-Dibromo-3-chloropropane
Concen: 1.54 ug/L
RT: 14.488 min Scan# 2067
Delta R.T. 0.012 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

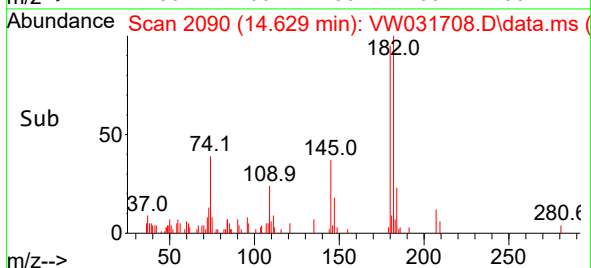
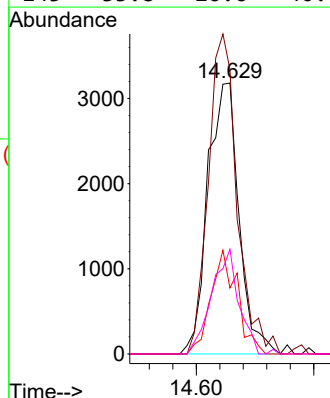
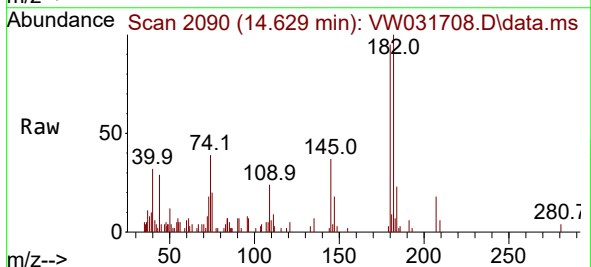
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

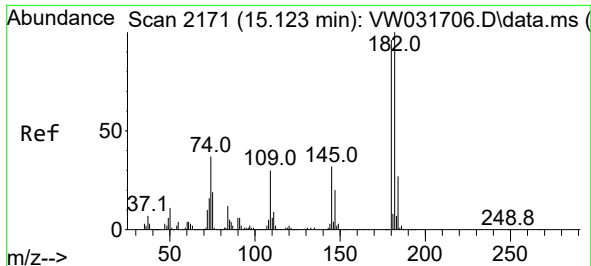
Tgt Ion: 75 Resp: 1268
Ion Ratio Lower Upper
75 100
155 30.1 51.6 77.4#
157 33.4 74.6 111.8#



#69
1,3,5-Trichlorobenzene
Concen: 1.01 ug/L
RT: 14.629 min Scan# 2090
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

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

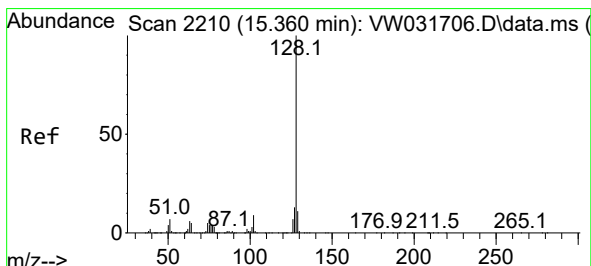
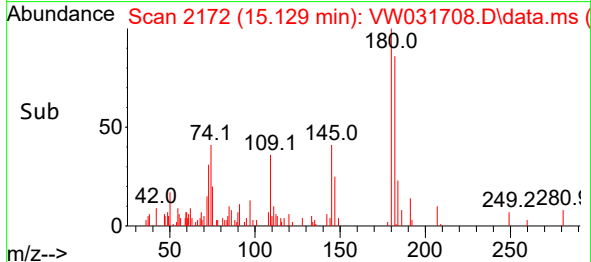
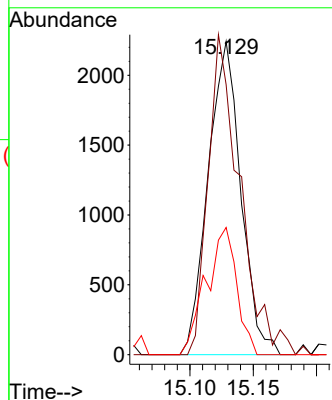
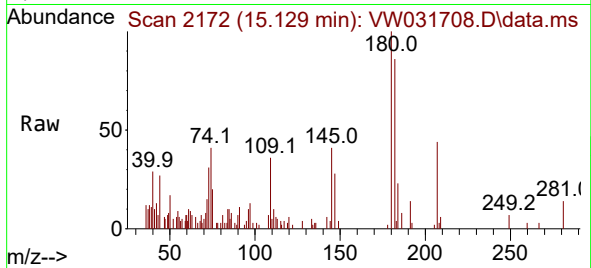




#70
1,2,4-trichlorobenzene
Concen: 1.03 ug/L
RT: 15.129 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VW031708.D
Acq: 22 May 2025 10:37

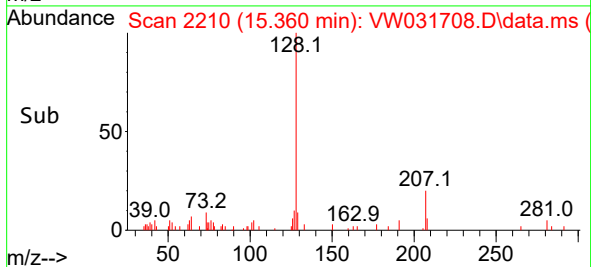
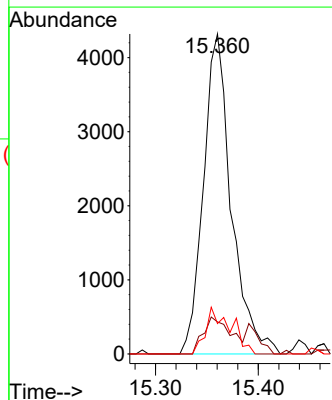
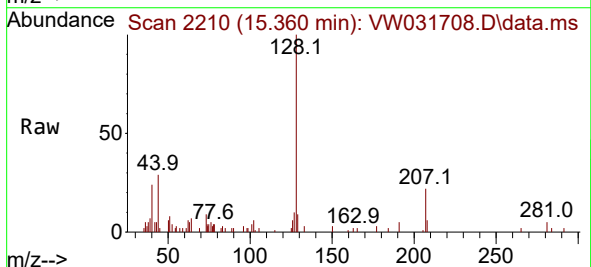
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-01

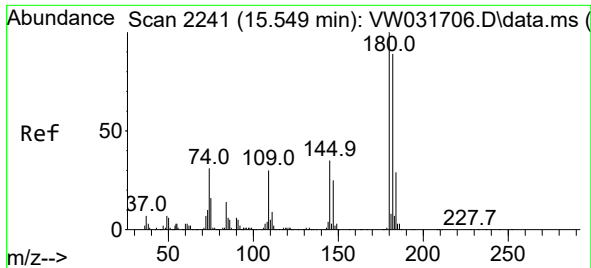
Tgt Ion:180 Resp: 4042
Ion Ratio Lower Upper
180 100
182 96.2 75.7 113.5
145 37.9 26.7 40.1



#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

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# 21
 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:	180	Resp:	3512
Ion	Ratio	Lower	Upper
180	100		
182	118.4	77.3	115.9#
145	38.4	28.6	43.0

