

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050925\
 Data File : VW031703.D
 Acq On : 09 May 2025 14:59
 Operator : SY/MD
 Sample : Q1546-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

Quant Time: May 19 13:10:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon May 19 12:38:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	450460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	314755	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	122800	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	267953	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
7) Chloroethane-d5	2.893	69	158017	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	4.015	65	110271	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.96%
21) 2-Butanone-d5	7.094	46	110497	49.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.68%
24) Chloroform-d	7.648	84	262489	24.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	8.441	65	142	0.04	ug/L	0.14
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.16%#
32) Benzene-d6	8.270	84	605310	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	9.270	67	142243	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.48%
41) Toluene-d8	10.325	98	523419	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.68%
43) trans-1,3-Dichloroprop...	10.581	79	43741	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
47) 2-Hexanone-d5	10.922	63	55690	47.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.92%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	95847	25.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.76%
66) 1,2-Dichlorobenzene-d4	13.848	152	108177	25.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.96%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	7510	0.84	ug/L #	94
3) Chloromethane	2.210	50	8365	1.18	ug/L	95
5) Vinyl chloride	2.381	62	9010	0.84	ug/L #	42
6) Bromomethane	2.789	94	4607	1.06	ug/L	82
9) Trichlorofluoromethane	3.259	101	8183	0.98	ug/L	99
12) 1,1-Dichloroethene	4.033	96	11732	1.33	ug/L #	1
13) Acetone	4.161	43	26336	16.50	ug/L	67
14) Carbon disulfide	4.393	76	27374	1.01	ug/L	96
15) Methyl Acetate	4.704	43	1600	0.56	ug/L #	25
16) Methylene chloride	4.929	84	5950	1.30	ug/L	89
17) trans-1,2-Dichloroethene	5.429	96	8094	1.08	ug/L	89
18) Methyl tert-butyl Ether	5.435	73	6176	1.16	ug/L #	76
19) 1,1-Dichloroethane	6.210	63	6773	0.58	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	6101	1.06	ug/L	79
23) Bromochloromethane	7.508	128	1368	0.73	ug/L #	78
25) Chloroform	7.679	83	12667	1.26	ug/L	88
27) 1,2-Dichloroethane	8.398	62	5708	1.23	ug/L	100
29) Cyclohexane	7.959	56	17185	0.84	ug/L	96
30) 1,1,1-Trichloroethane	7.868	97	7982	0.60	ug/L #	48

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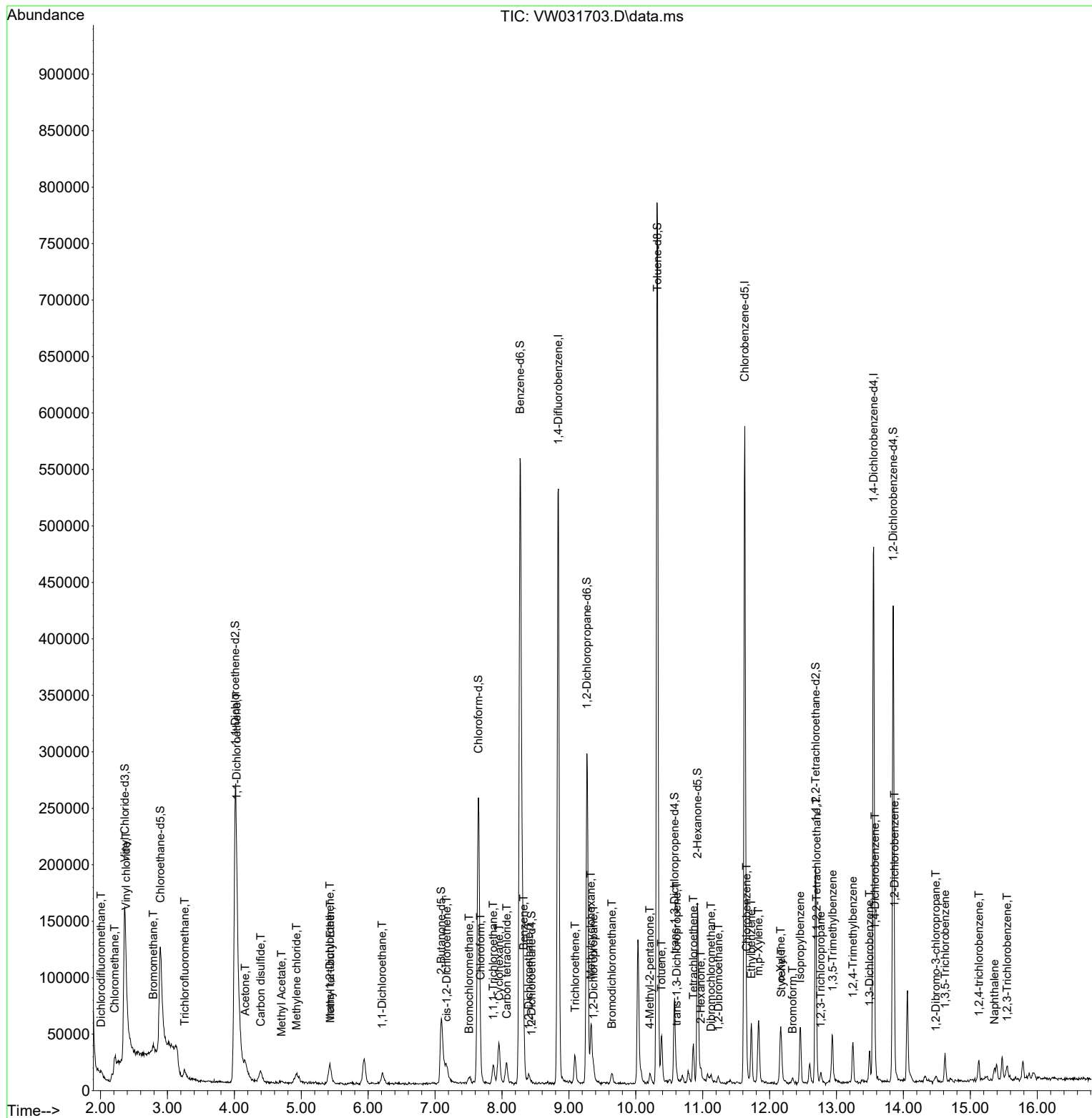
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	8.069	117	13025	0.98	ug/L	100
33) Benzene	8.325	78	27754	1.08	ug/L	100
34) Trichloroethene	9.093	95	8642	1.02	ug/L	93
35) Methylcyclohexane	9.331	83	19572	0.88	ug/L	96
37) 1,2-Dichloropropane	9.368	63	5270	1.06	ug/L #	91
38) Bromodichloromethane	9.642	83	4412	0.80	ug/L #	90
40) 4-Methyl-2-pentanone	10.209	43	6449	2.11	ug/L	99
42) Toluene	10.386	91	29209	1.07	ug/L	100
44) trans-1,3-Dichloropropene	10.611	75	6741	1.45	ug/L	96
46) Tetrachloroethene	10.861	164	7184	1.02	ug/L	97
48) 2-Hexanone	10.971	43	5190	2.14	ug/L #	80
49) Dibromochloromethane	11.123	129	3340	1.16	ug/L	99
50) 1,2-Dibromoethane	11.233	107	3005	1.12	ug/L #	72
51) Chlorobenzene	11.654	112	16024	1.18	ug/L	98
52) Ethylbenzene	11.727	91	34319	1.04	ug/L	99
53) m,p-Xylene	11.837	106	16901	1.43	ug/L	97
54) o-Xylene	12.166	106	11346	1.22	ug/L	79
55) Styrene	12.178	104	11892	0.89	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.702	83	4418	1.20	ug/L #	90
59) Bromoform	12.343	173	1815	1.24	ug/L #	98
60) Isopropylbenzene	12.458	105	30862	0.91	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	3206	1.18	ug/L #	78
62) 1,3,5-Trimethylbenzene	12.940	105	20463	0.88	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	19817	1.01	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	9827	1.10	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	9939	1.19	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	8220	1.21	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.482	75	1284	1.47	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	6789	1.10	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	5063	1.21	ug/L	95
71) Naphthalene	15.360	128	8268	1.02	ug/L #	91
72) 1,2,3-Trichlorobenzene	15.549	180	3577	1.06	ug/L #	81

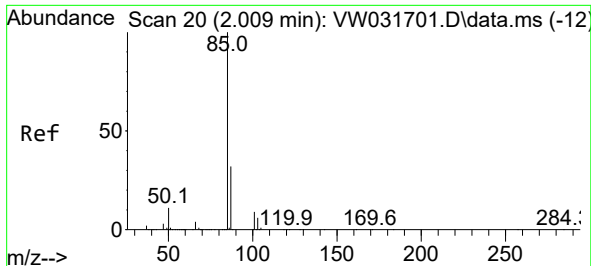
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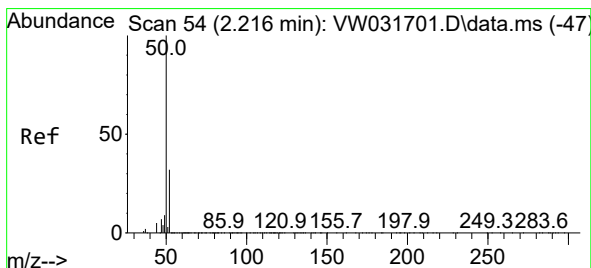
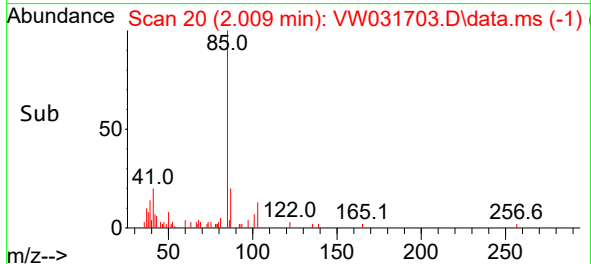
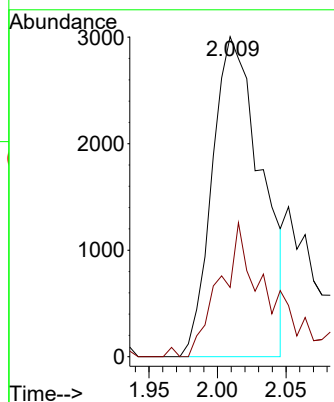
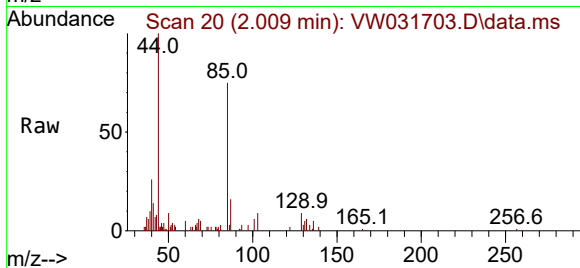




#2
Dichlorodifluoromethane
Concen: 0.84 ug/L
RT: 2.009 min Scan# 20
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

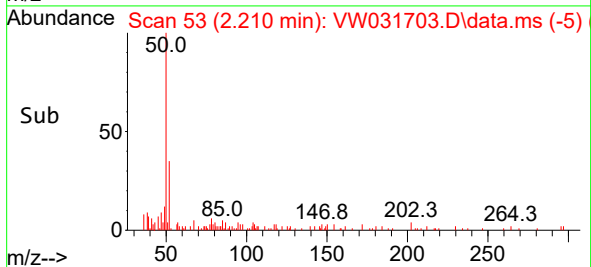
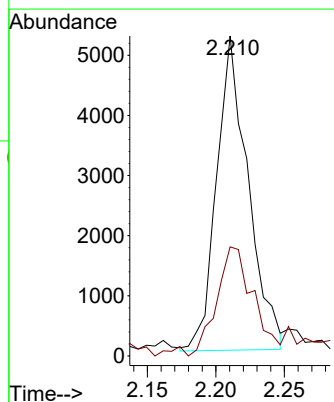
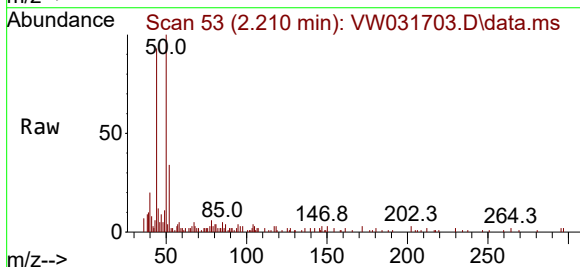
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ClientSampleId :
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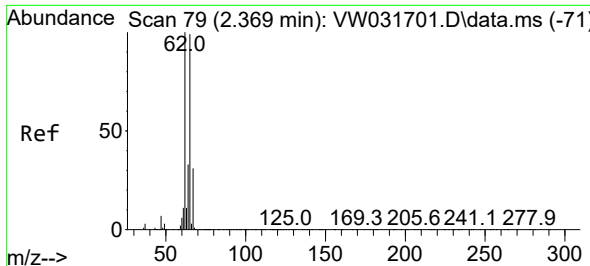
Tgt Ion: 85 Resp: 7510
Ion Ratio Lower Upper
85 100
87 13.0 0.1 0.1#



#3
Chloromethane
Concen: 1.18 ug/L
RT: 2.210 min Scan# 53
Delta R.T. -0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 50 Resp: 8365
Ion Ratio Lower Upper
50 100
52 34.1 22.0 41.0

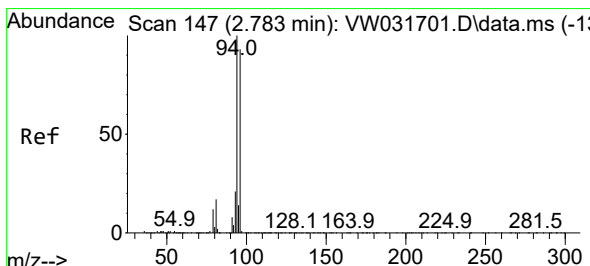
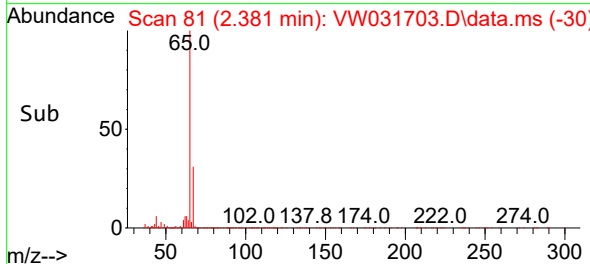
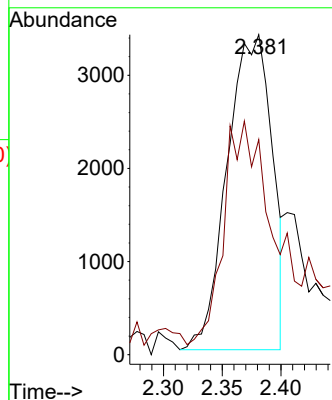
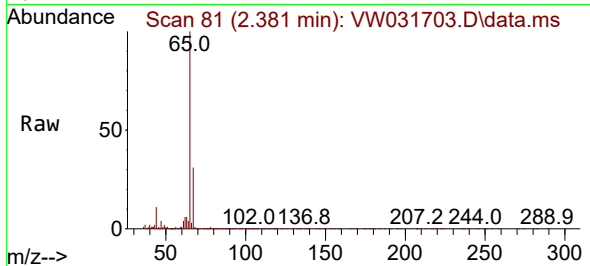




#5
 Vinyl chloride
 Concen: 0.84 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

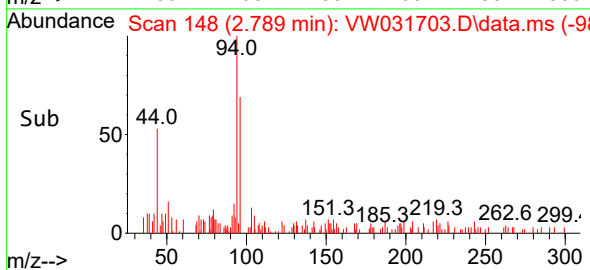
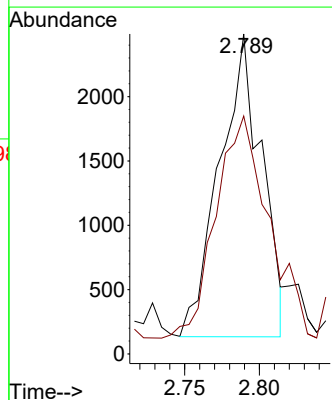
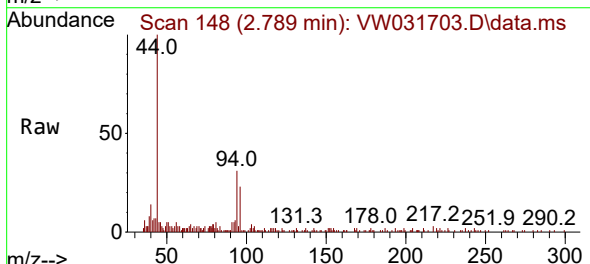
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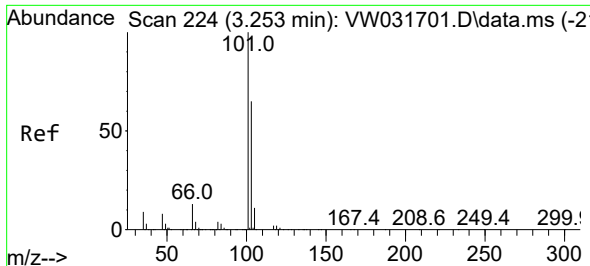
Tgt Ion: 62 Resp: 9010
 Ion Ratio Lower Upper
 62 100
 64 67.2 23.7 43.9#



#6
 Bromomethane
 Concen: 1.06 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

Tgt Ion: 94 Resp: 4607
 Ion Ratio Lower Upper
 94 100
 96 74.3 64.3 119.3

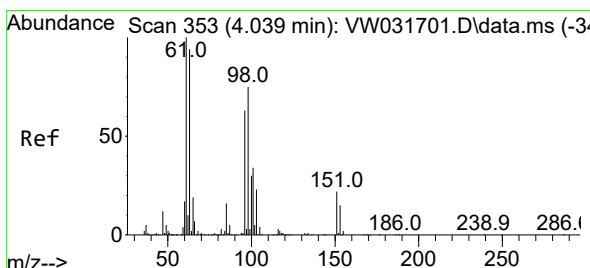
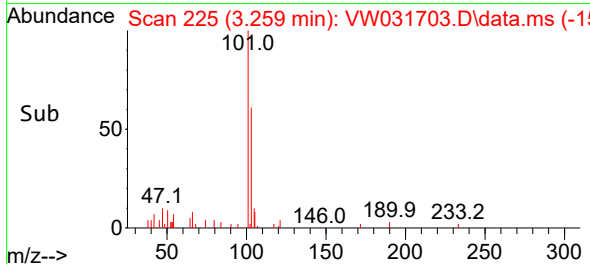
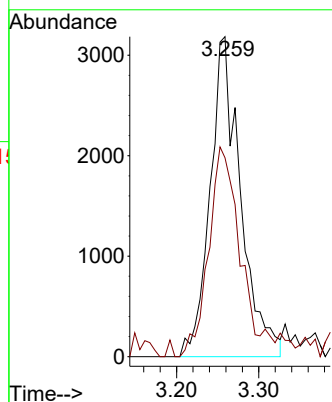
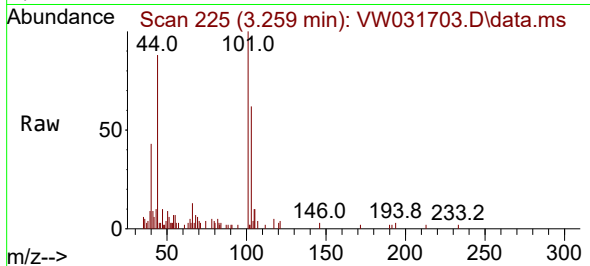




#9
 Trichlorofluoromethane
 Concen: 0.98 ug/L
 RT: 3.259 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

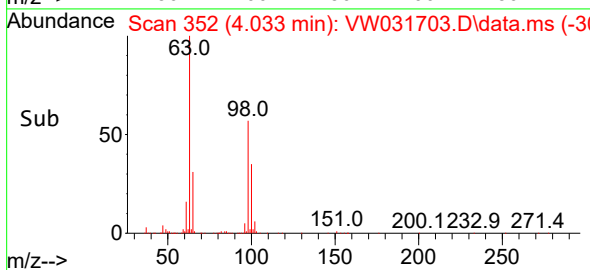
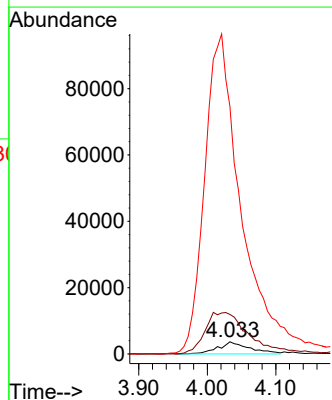
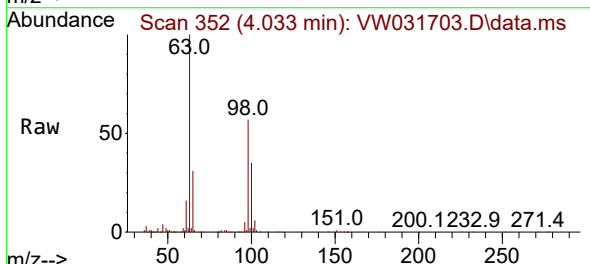
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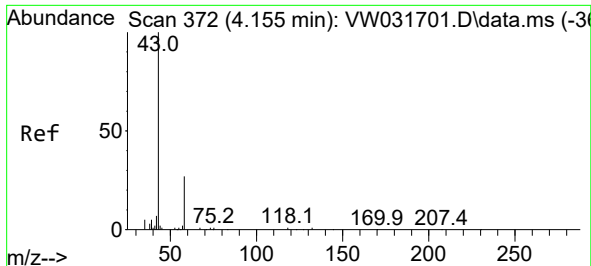
Tgt Ion: 101 Resp: 8183
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.8



#12
 1,1-Dichloroethene
 Concen: 1.33 ug/L
 RT: 4.033 min Scan# 352
 Delta R.T. -0.006 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

Tgt Ion: 96 Resp: 11732
 Ion Ratio Lower Upper
 96 100
 61 323.8 124.5 231.1#
 63 2023.9 110.2 204.6#

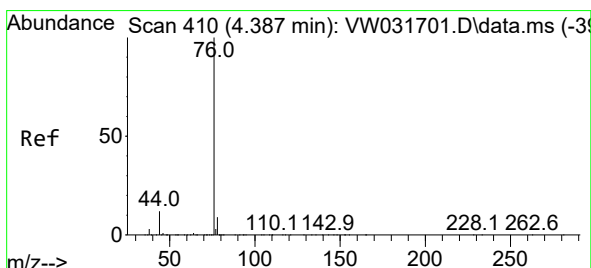
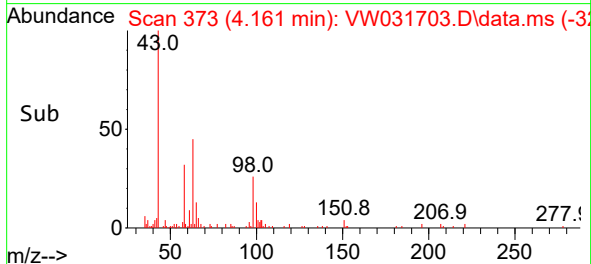
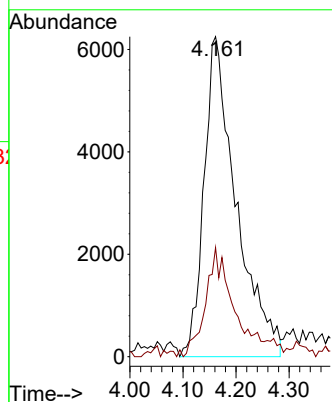
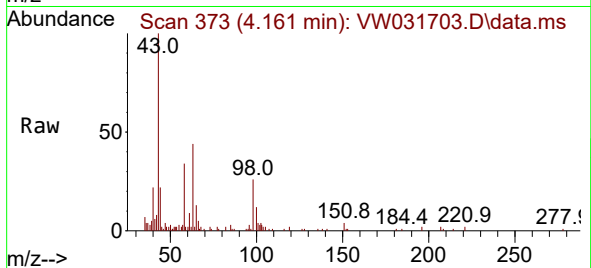




#13
Acetone
Concen: 16.50 ug/L
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

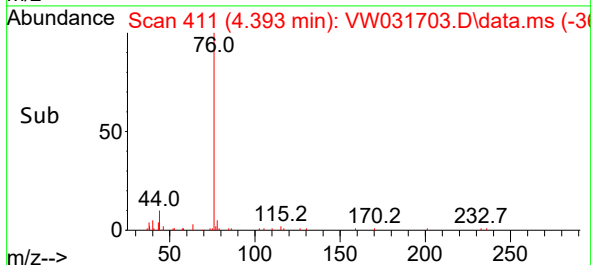
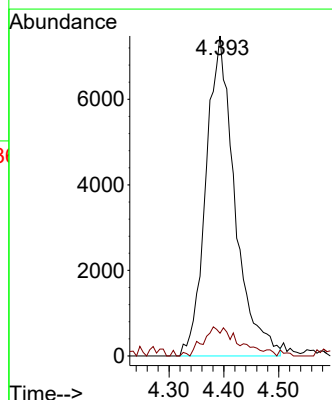
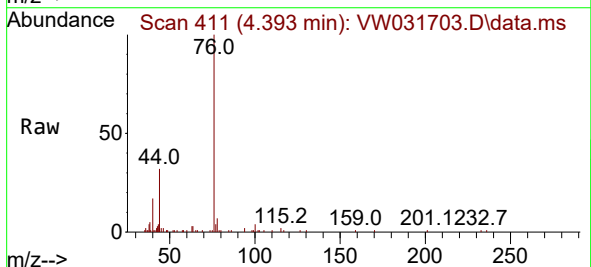
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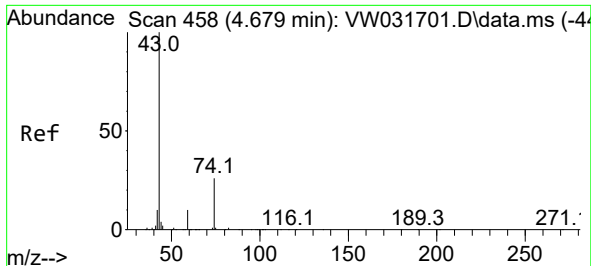
Tgt Ion: 43 Resp: 26336
Ion Ratio Lower Upper
43 100
58 14.2 0.0 66.2



#14
Carbon disulfide
Concen: 1.01 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 76 Resp: 27374
Ion Ratio Lower Upper
76 100
78 7.1 6.9 10.3

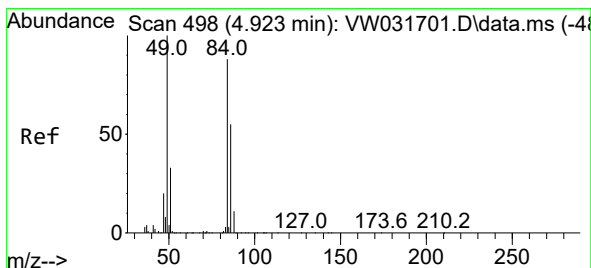
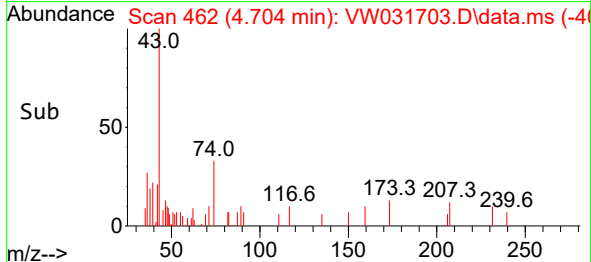
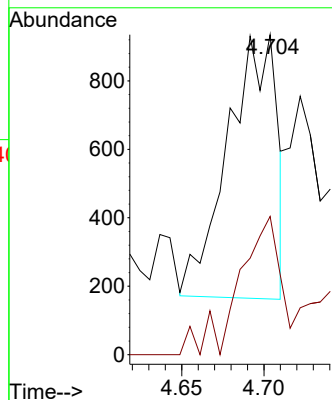
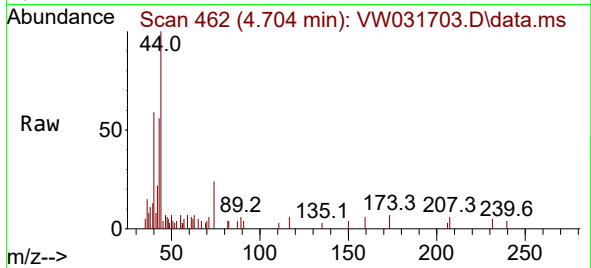




#15
Methyl Acetate
Concen: 0.56 ug/L
RT: 4.704 min Scan# 41
Delta R.T. 0.024 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

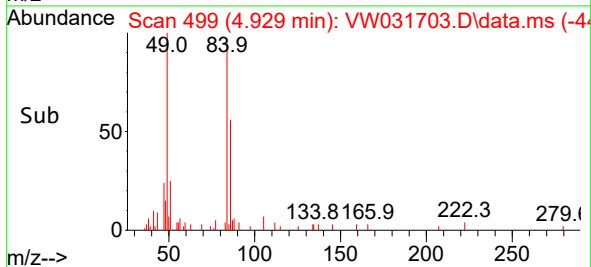
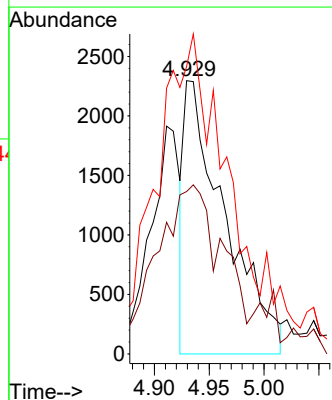
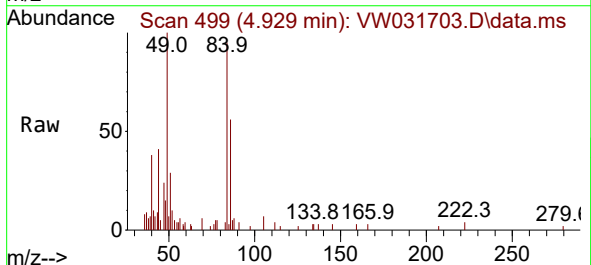
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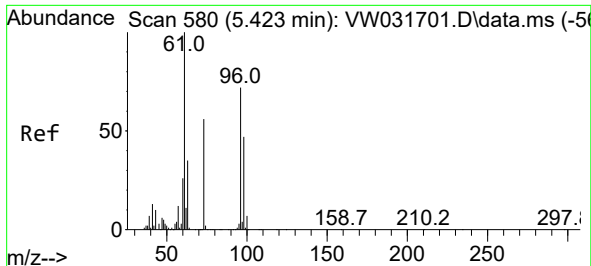
Tgt Ion: 43 Resp: 1600
Ion Ratio Lower Upper
43 100
74 39.4 8.7 13.1#



#16
Methylene chloride
Concen: 1.30 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.006 min
Lab File: VW031703.D
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Tgt Ion: 84 Resp: 5950
Ion Ratio Lower Upper
84 100
86 59.4 44.2 82.2
49 105.1 85.1 158.1

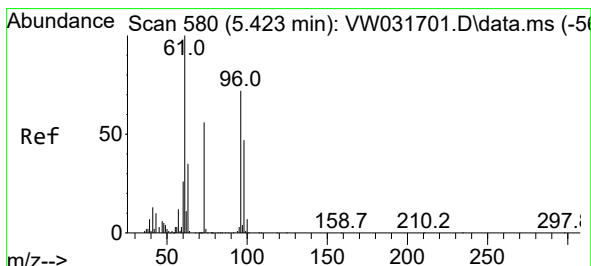
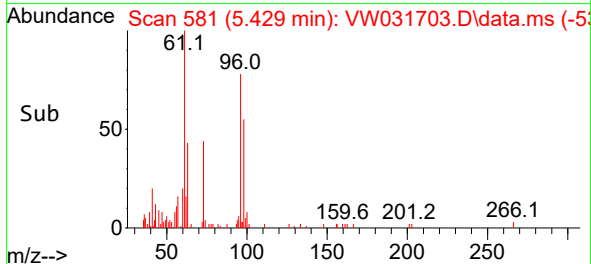
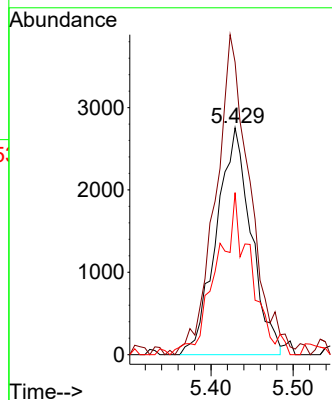
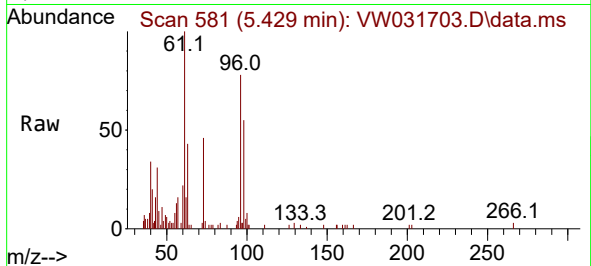




#17
trans-1,2-Dichloroethene
Concen: 1.08 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

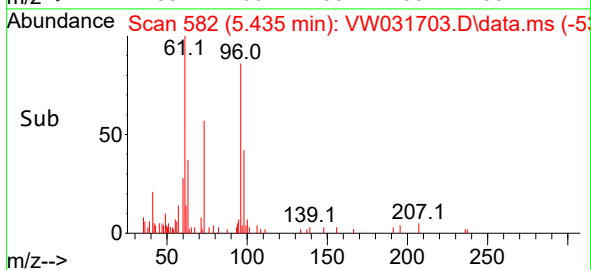
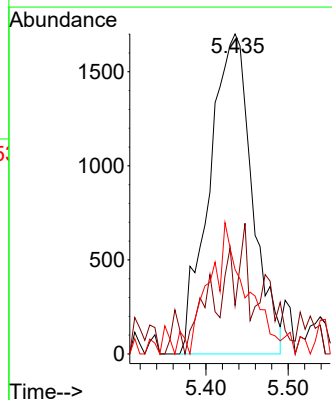
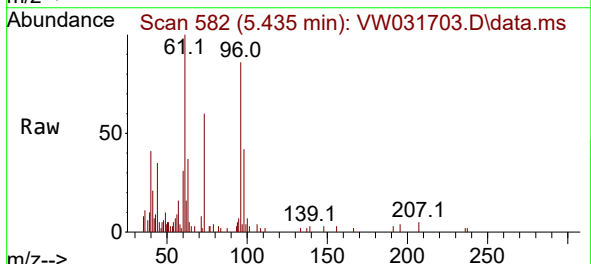
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

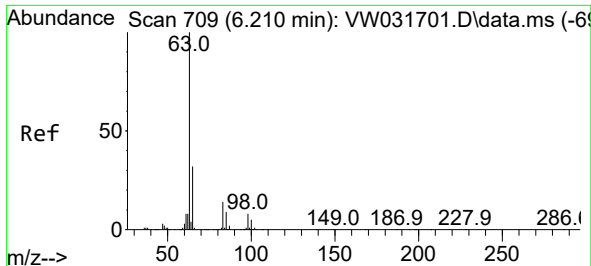
Tgt Ion: 96 Resp: 8094
Ion Ratio Lower Upper
96 100
61 128.9 100.9 187.3
98 71.4 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 1.16 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.012 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 73 Resp: 6176
Ion Ratio Lower Upper
73 100
43 5.1 15.4 23.2#
57 6.2 8.5 12.7#





#19

1,1-Dichloroethane

Concen: 0.58 ug/L

RT: 6.210 min Scan# 709

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-02

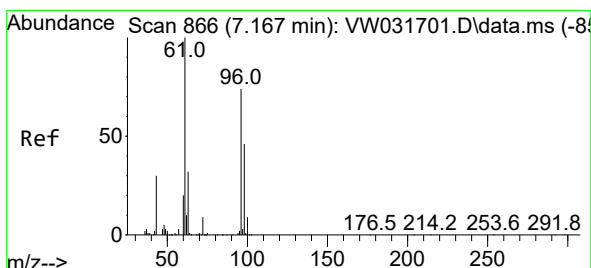
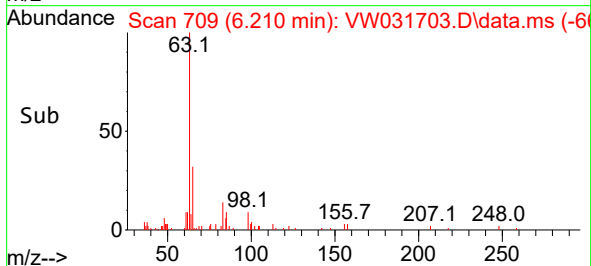
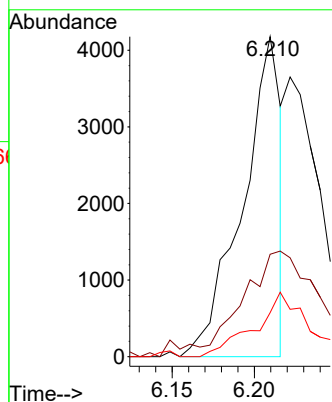
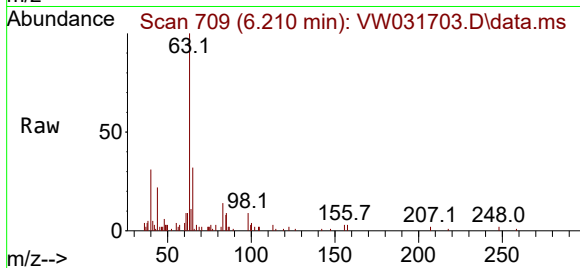
Tgt Ion: 63 Resp: 6773

Ion Ratio Lower Upper

63 100

65 32.0 21.6 40.0

83 13.8 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 1.06 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

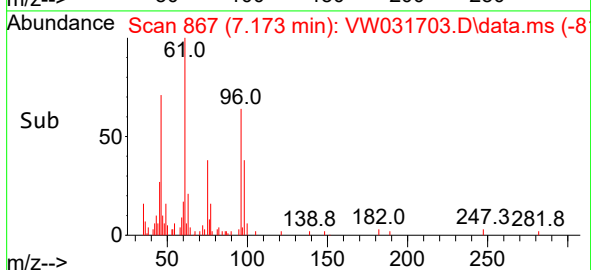
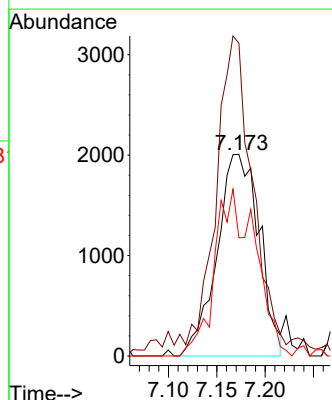
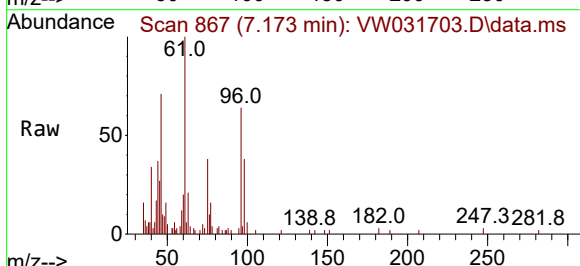
Tgt Ion: 96 Resp: 6101

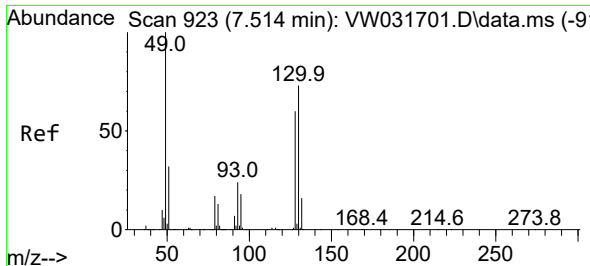
Ion Ratio Lower Upper

96 100

61 155.3 84.8 157.6

98 58.6 42.4 78.6

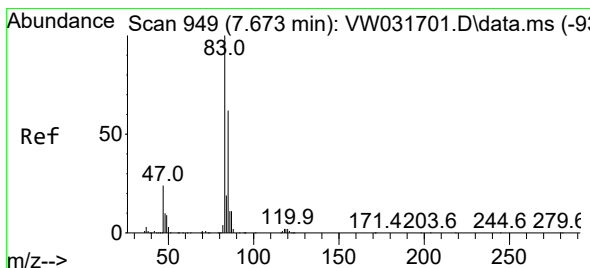
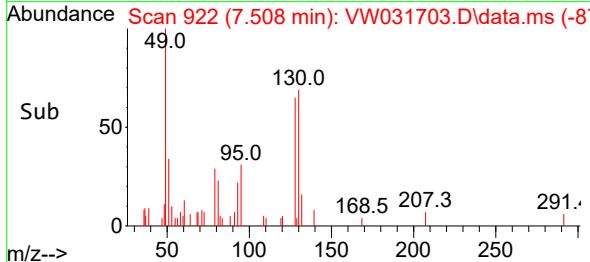
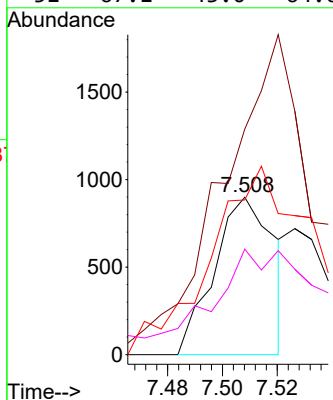
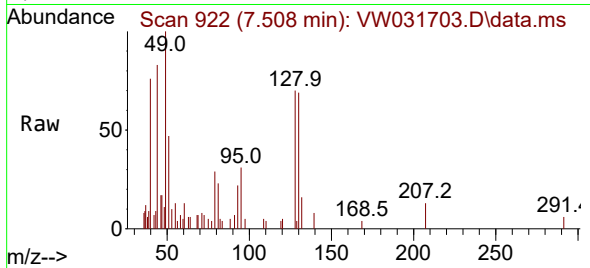




#23
Bromochloromethane
Concen: 0.73 ug/L
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

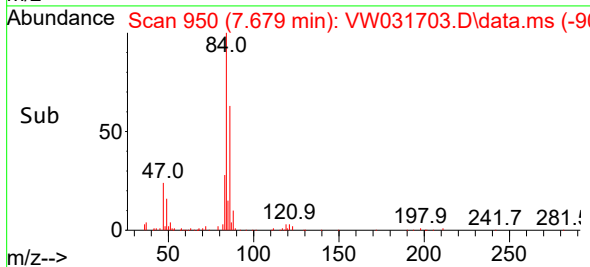
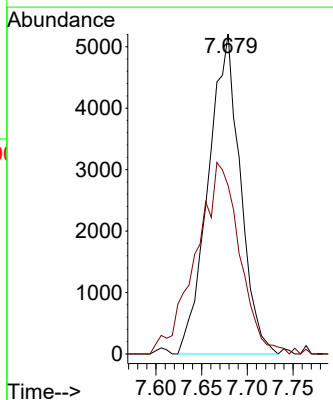
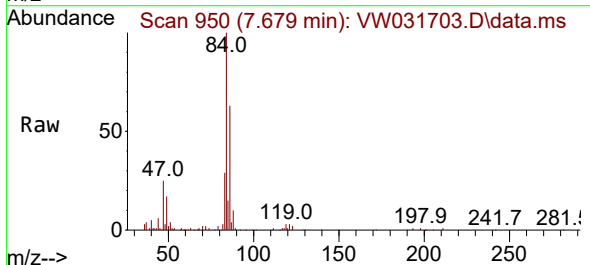
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

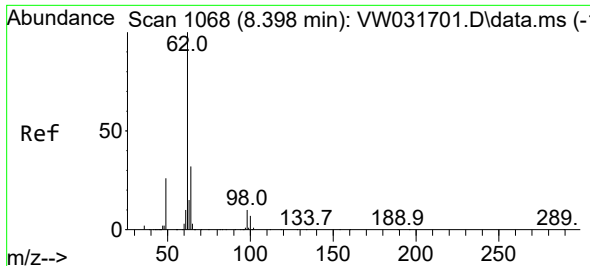
Tgt Ion:	128	Resp:	1368
Ion	Ratio	Lower	Upper
128	100		
49	143.4	125.1	232.3
130	98.3	83.9	155.7
51	67.1	43.0	64.6



#25
Chloroform
Concen: 1.26 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion:	83	Resp:	12667
Ion	Ratio	Lower	Upper
83	100		
85	52.6	43.2	80.2

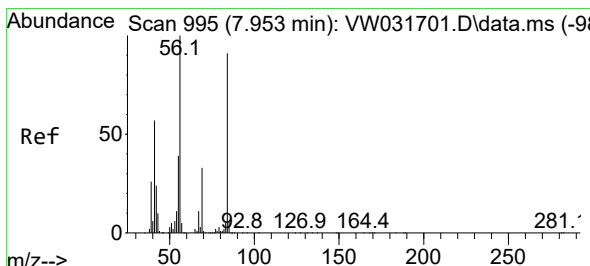
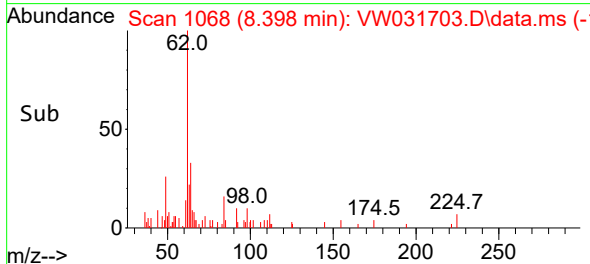
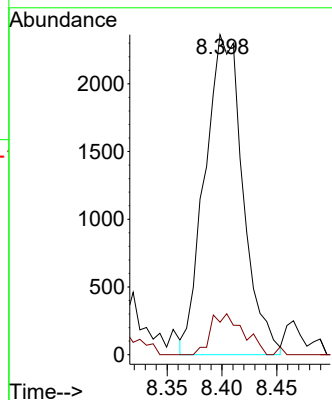
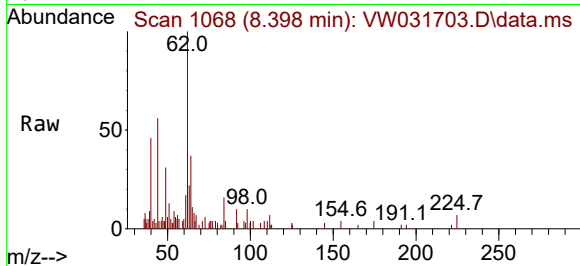




#27
1,2-Dichloroethane
Concen: 1.23 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

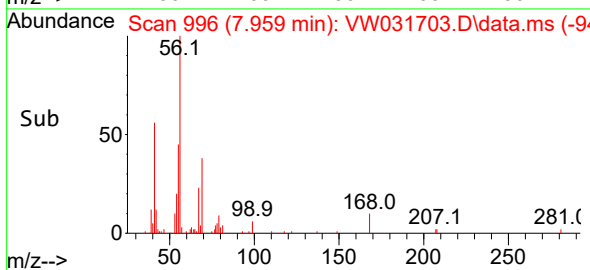
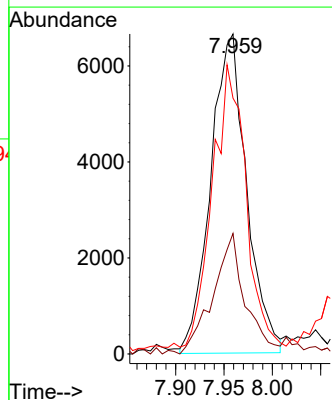
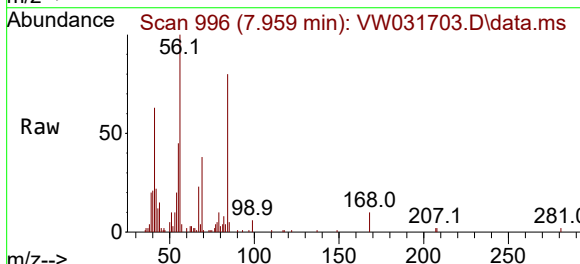
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

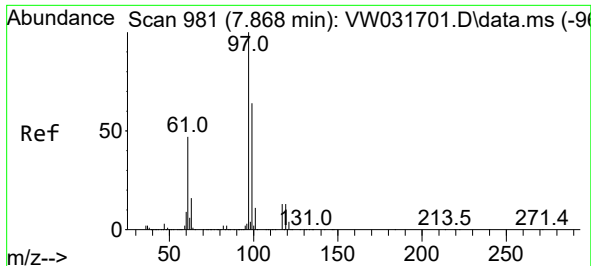
Tgt Ion: 62 Resp: 5708
Ion Ratio Lower Upper
62 100
98 10.2 8.0 12.0



#29
Cyclohexane
Concen: 0.84 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 56 Resp: 17185
Ion Ratio Lower Upper
56 100
69 33.8 24.9 37.3
84 81.4 68.2 102.4

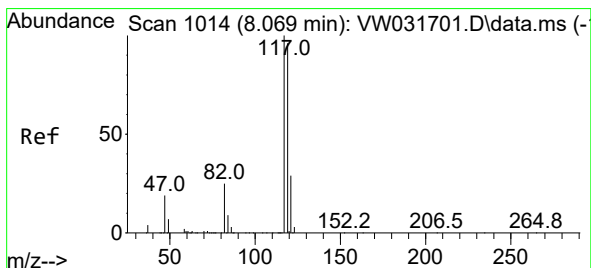
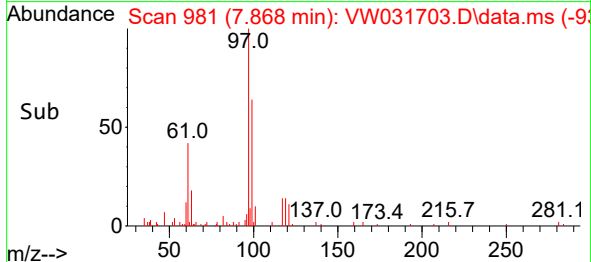
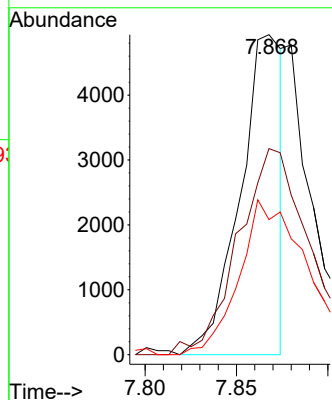
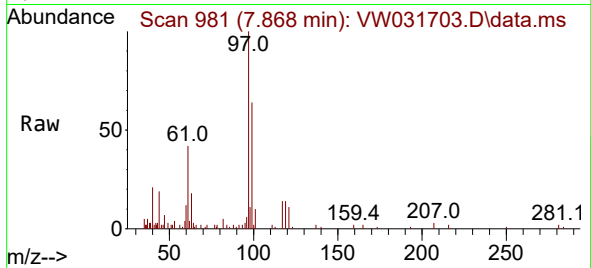




#30
1,1,1-Trichloroethane
Concen: 0.60 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

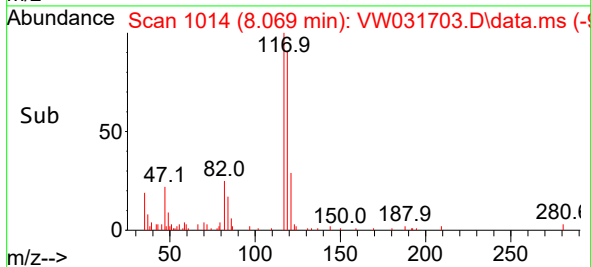
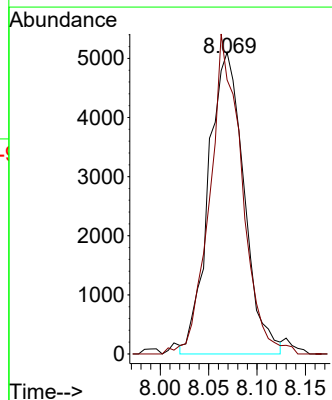
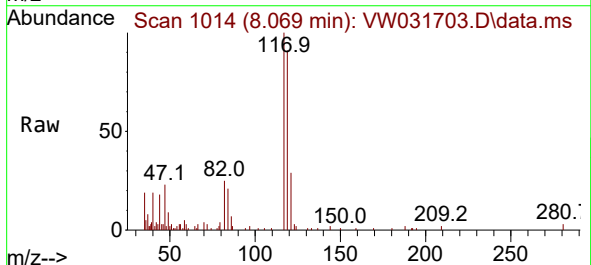
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

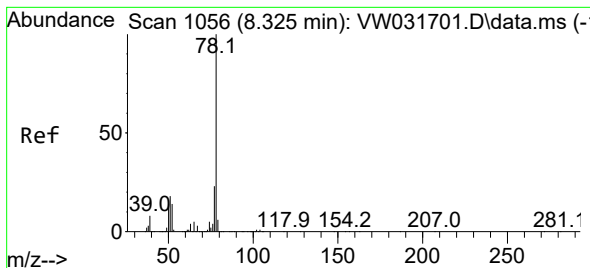
Tgt Ion: 97 Resp: 7982
Ion Ratio Lower Upper
97 100
99 104.9 51.0 76.4#
61 78.8 36.4 54.6#



#31
Carbon tetrachloride
Concen: 0.98 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 117 Resp: 13025
Ion Ratio Lower Upper
117 100
119 95.3 76.5 114.7





#33

Benzene

Concen: 1.08 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

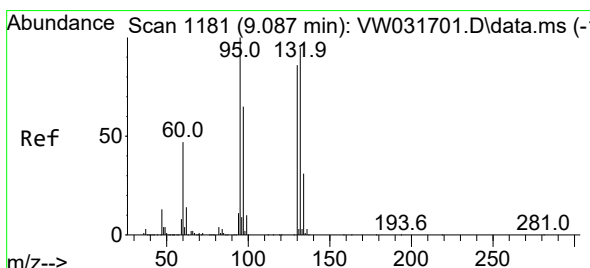
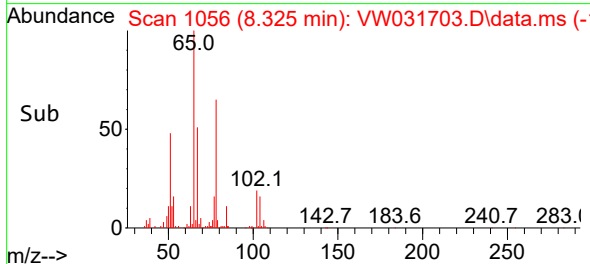
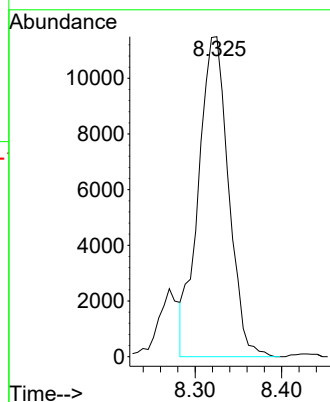
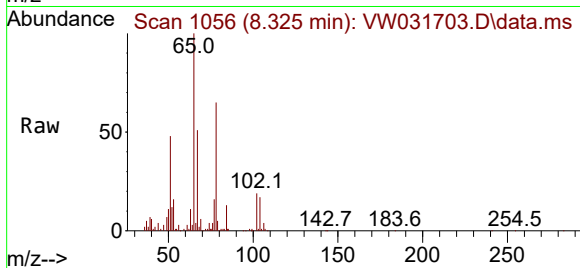
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-02

Tgt Ion: 78 Resp: 27754



#34

Trichloroethene

Concen: 1.02 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Tgt Ion: 95 Resp: 8642

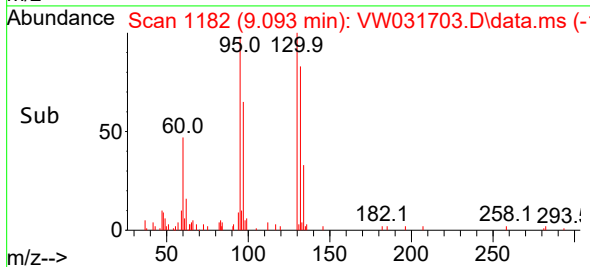
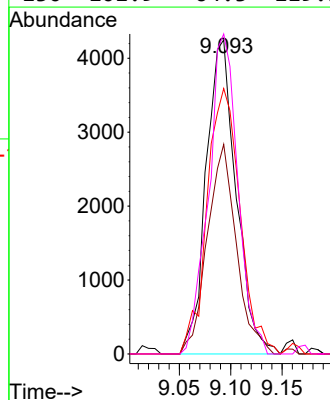
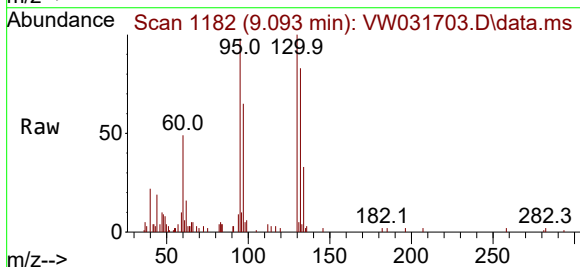
Ion Ratio Lower Upper

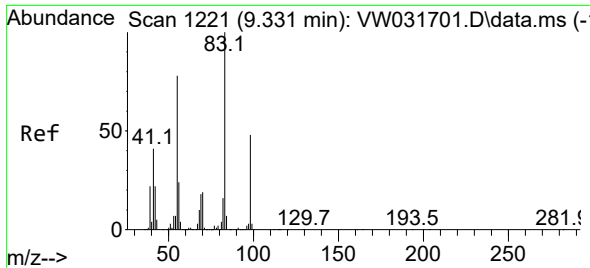
95 100

97 66.7 46.0 85.4

132 84.5 63.8 118.4

130 101.9 64.3 119.3

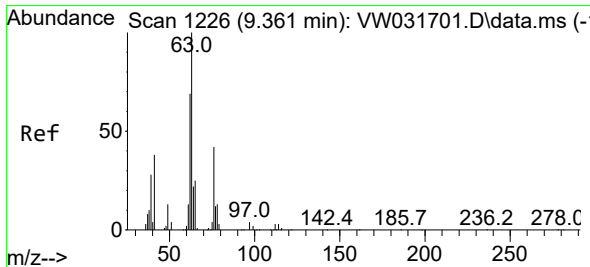
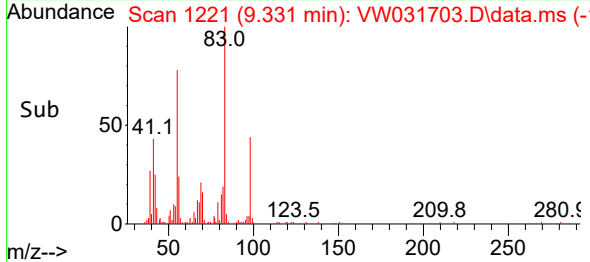
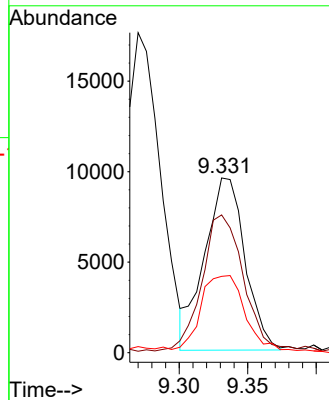
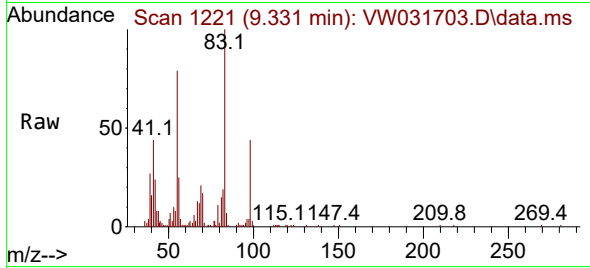




#35
Methylcyclohexane
Concen: 0.88 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

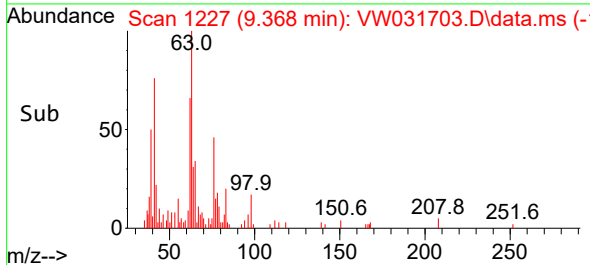
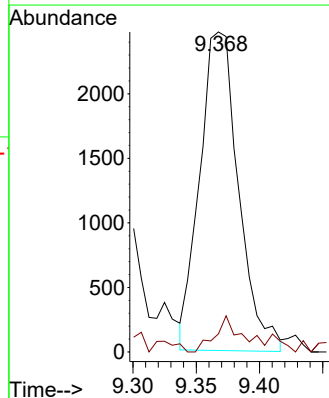
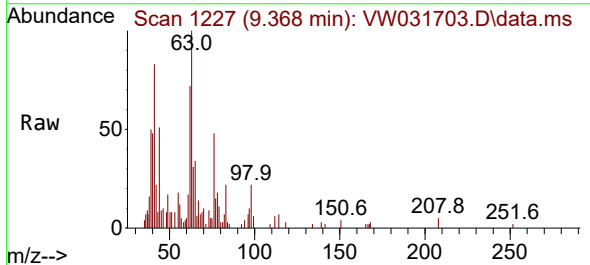
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

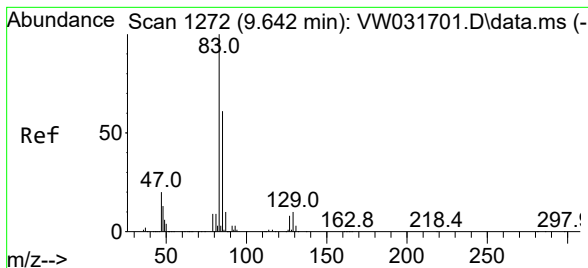
Tgt Ion:	83	Resp:	19572
Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.1	94.7
98	50.3	37.6	56.4



#37
1,2-Dichloropropane
Concen: 1.06 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion:	63	Resp:	5270
Ion	Ratio	Lower	Upper
63	100		
112	7.9	4.0	6.0#





#38

Bromodichloromethane

Concen: 0.80 ug/L

RT: 9.642 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-02

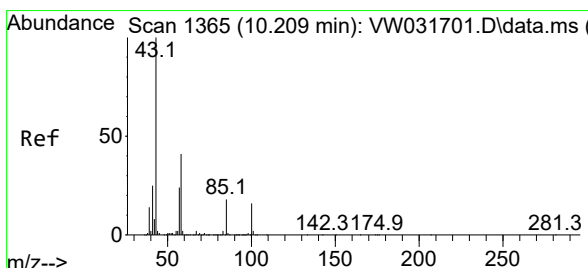
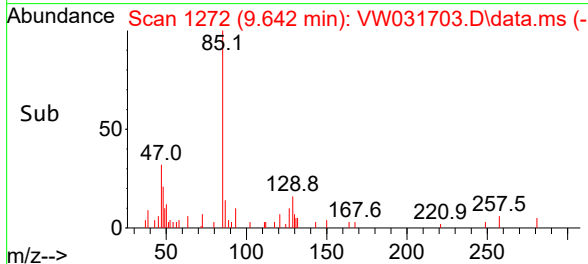
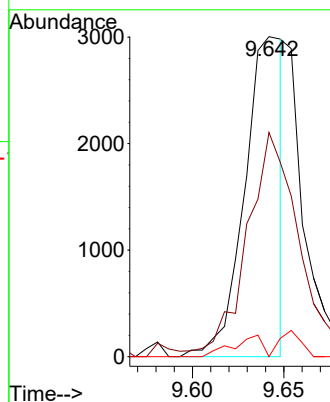
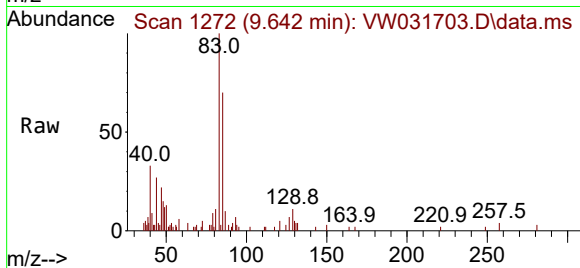
Tgt Ion: 83 Resp: 4412

Ion Ratio Lower Upper

83 100

85 70.1 44.0 81.8

127 0.0 5.8 8.6#



#40

4-Methyl-2-pentanone

Concen: 2.11 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

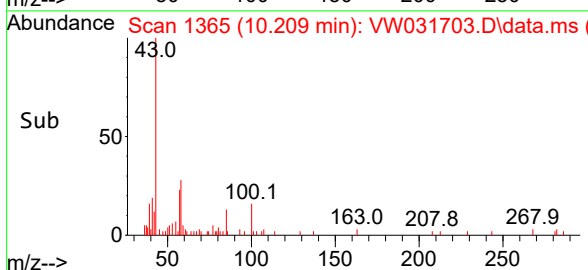
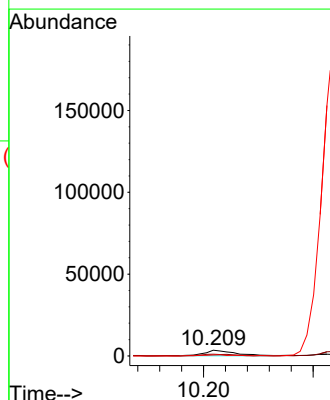
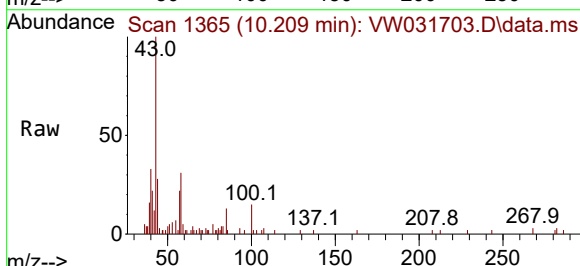
Tgt Ion: 43 Resp: 6449

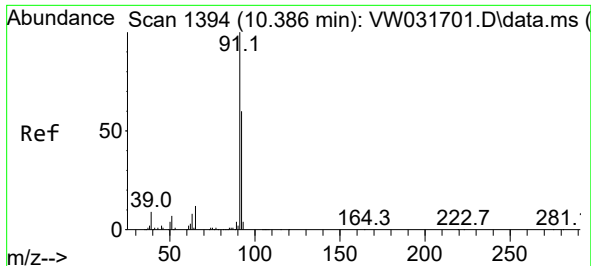
Ion Ratio Lower Upper

43 100

58 38.4 31.0 46.6

100 14.2 11.9 17.9

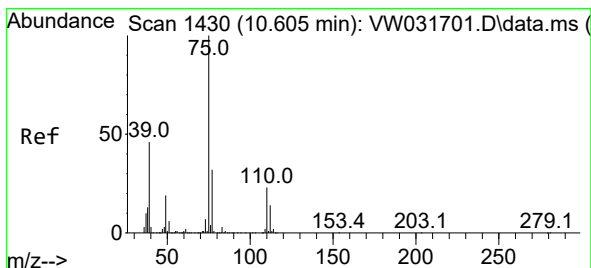
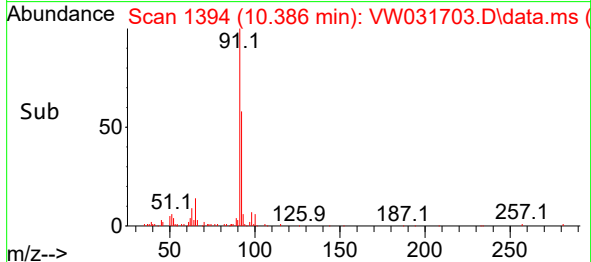
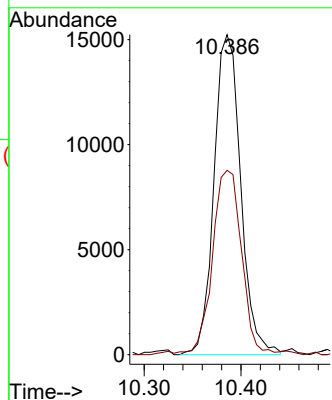
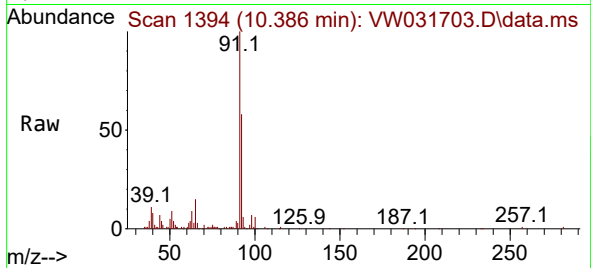




#42
Toluene
Concen: 1.07 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

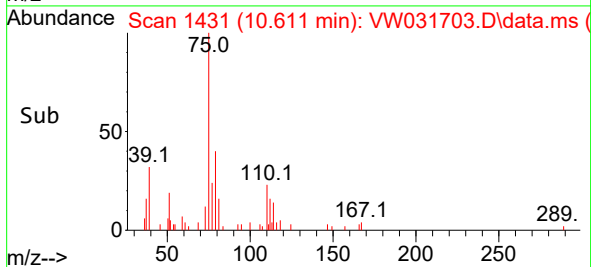
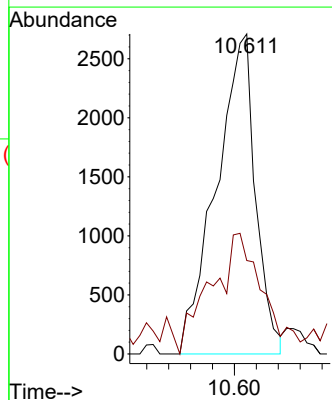
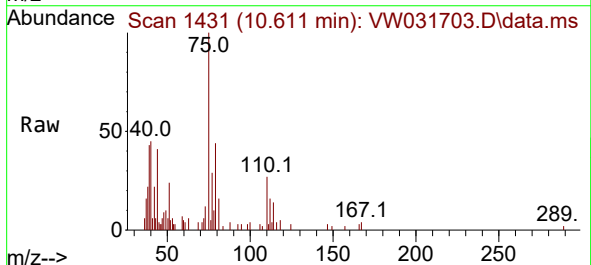
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

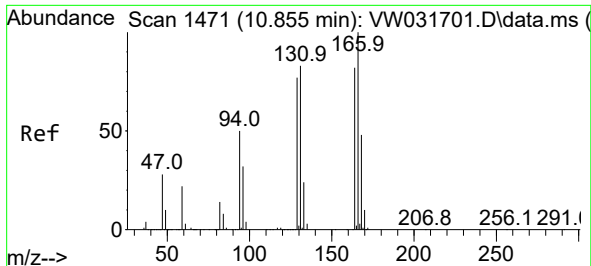
Tgt Ion: 91 Resp: 29209
Ion Ratio Lower Upper
91 100
92 57.6 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 1.45 ug/L
RT: 10.611 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 75 Resp: 6741
Ion Ratio Lower Upper
75 100
77 29.2 22.1 41.1

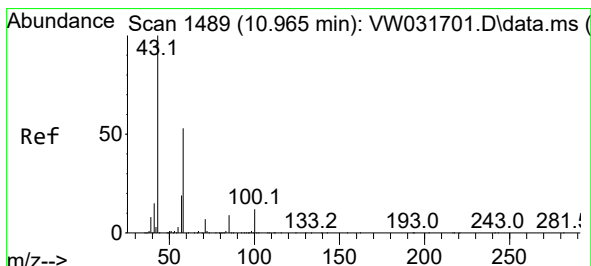
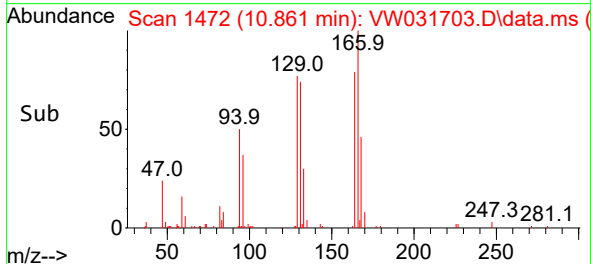
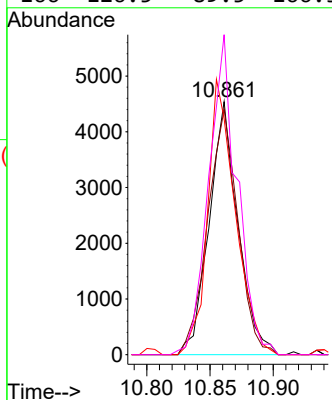
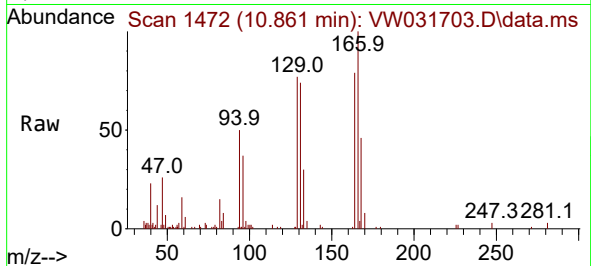




#46
Tetrachloroethene
Concen: 1.02 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

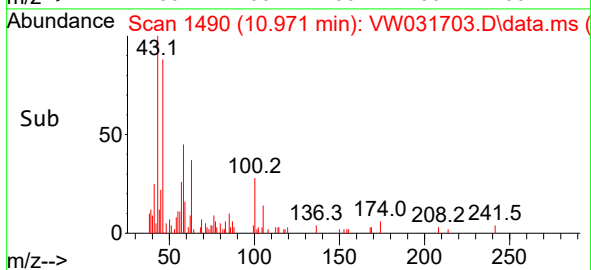
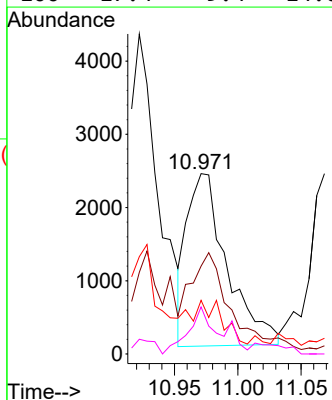
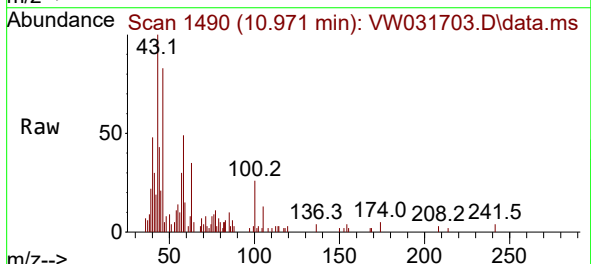
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

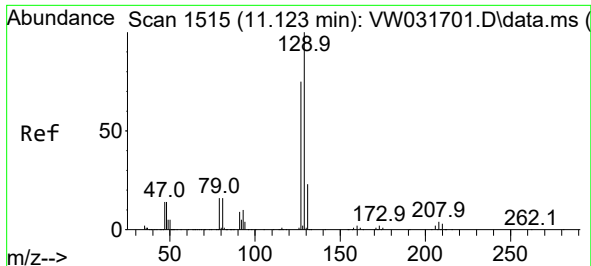
Tgt Ion:164	Resp:	7184
Ion	Ratio	Lower Upper
164	100	
129	97.0	72.2 134.0
131	93.3	66.6 123.8
166	126.5	89.5 166.3



#48
2-Hexanone
Concen: 2.14 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 43	Resp:	5190
Ion	Ratio	Lower Upper
43	100	
58	36.4	43.6 65.4#
57	14.8	15.4 23.0#
100	17.4	9.4 14.0#

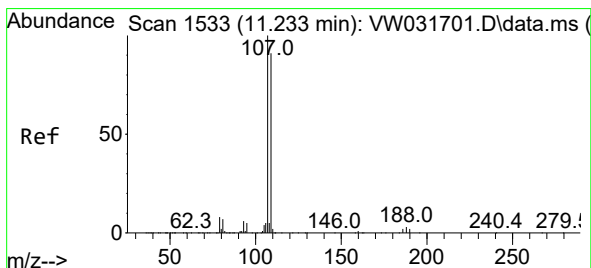
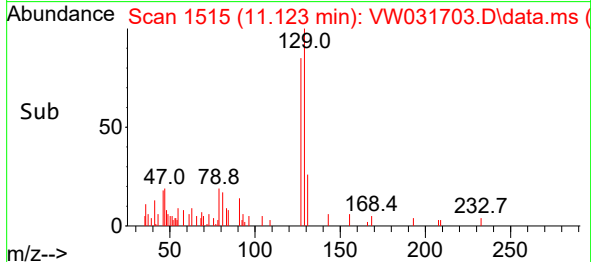
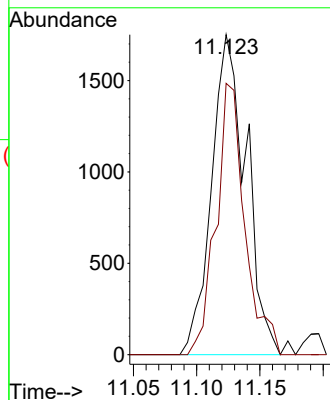
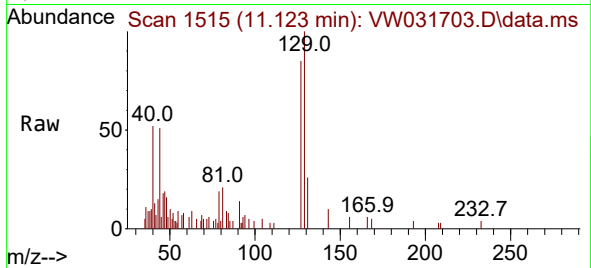




#49
Dibromochloromethane
Concen: 1.16 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

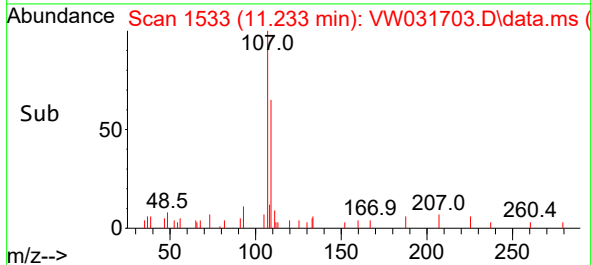
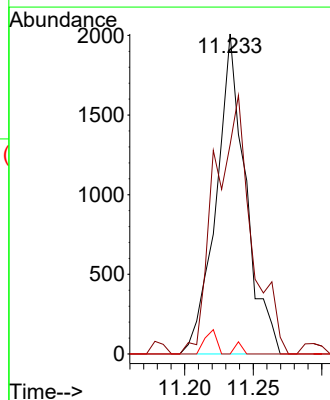
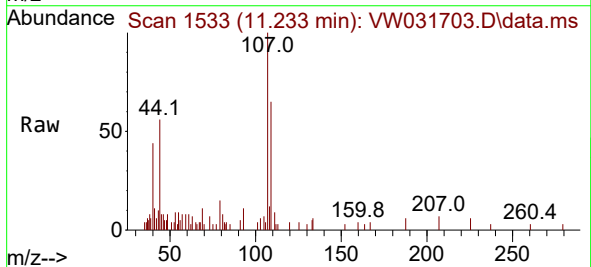
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

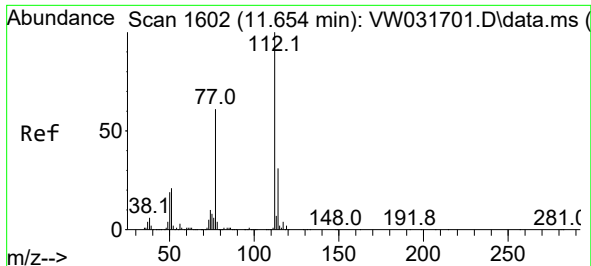
Tgt Ion:129 Resp: 3340
Ion Ratio Lower Upper
129 100
127 84.8 59.7 110.9



#50
1,2-Dibromoethane
Concen: 1.12 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion:107 Resp: 3005
Ion Ratio Lower Upper
107 100
109 65.4 65.0 120.8
188 0.0 2.2 3.2#

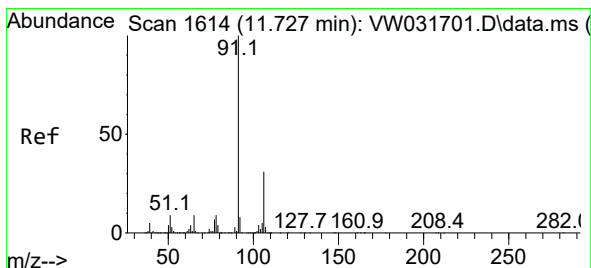
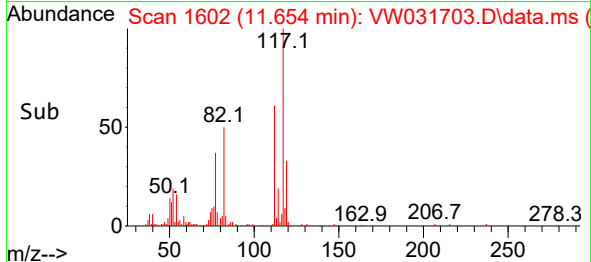
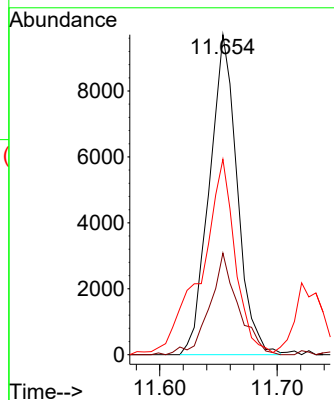
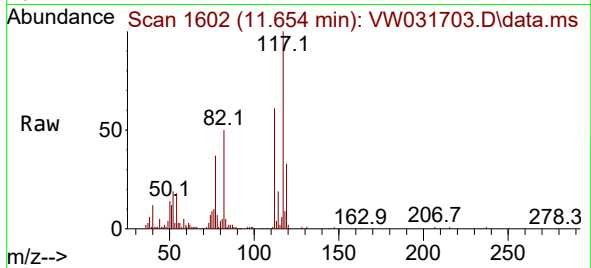




#51
Chlorobenzene
Concen: 1.18 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

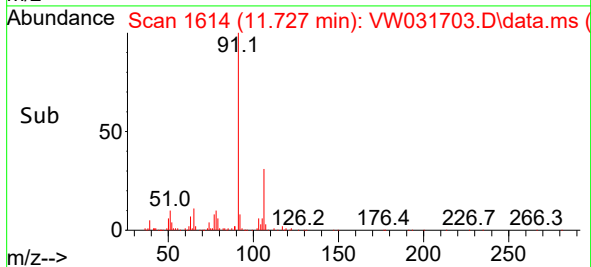
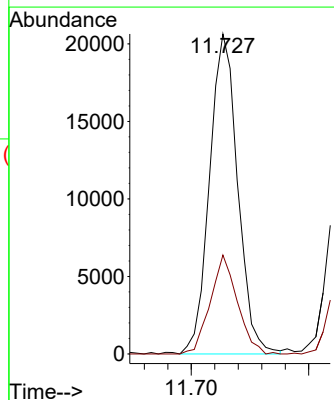
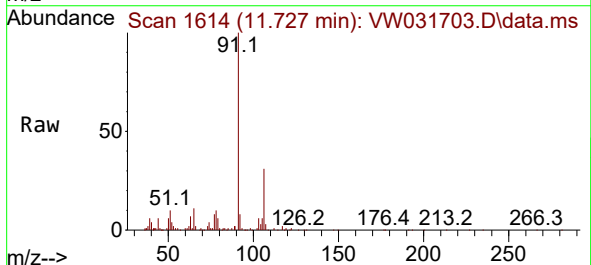
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

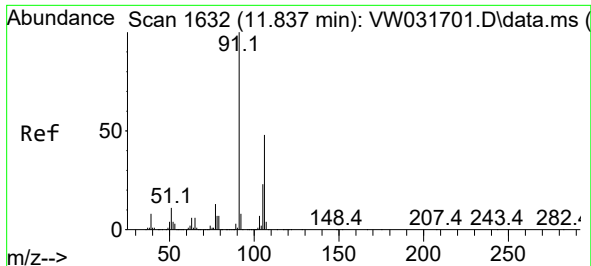
Tgt Ion:112 Resp: 16024
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 61.1 50.3 75.5



#52
Ethylbenzene
Concen: 1.04 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 91 Resp: 34319
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6

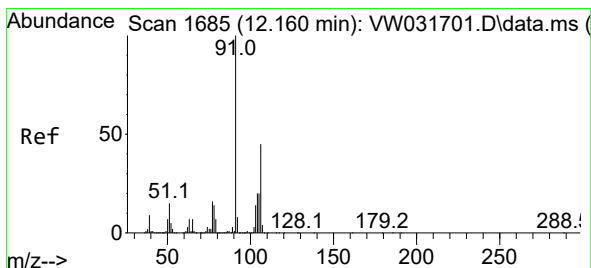
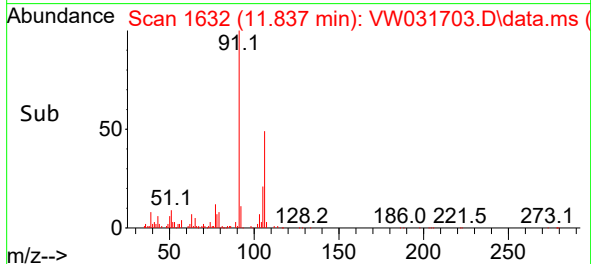
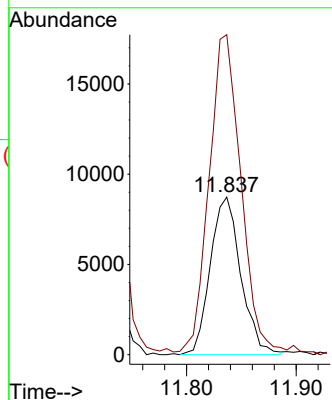
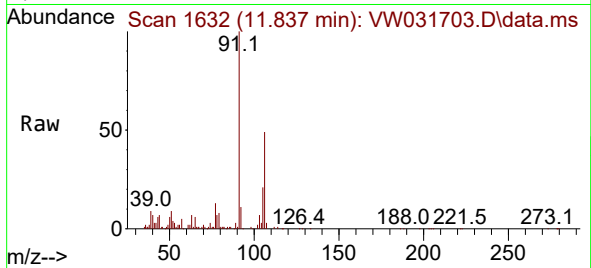




#53
m,p-Xylene
Concen: 1.43 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

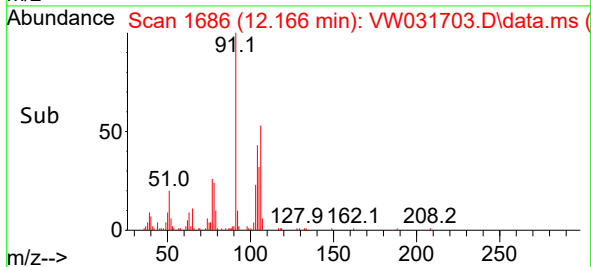
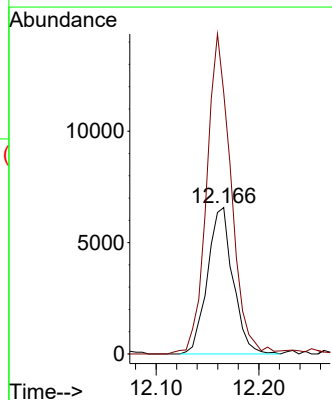
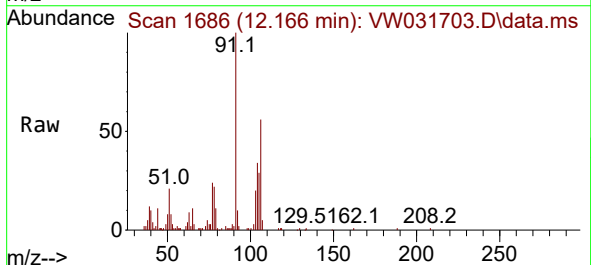
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

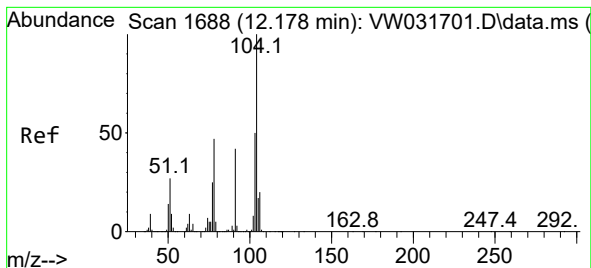
Tgt Ion:106 Resp: 16901
Ion Ratio Lower Upper
106 100
91 203.1 138.9 257.9



#54
o-Xylene
Concen: 1.22 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion:106 Resp: 11346
Ion Ratio Lower Upper
106 100
91 178.4 147.4 273.8





#55

Styrene

Concen: 0.89 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

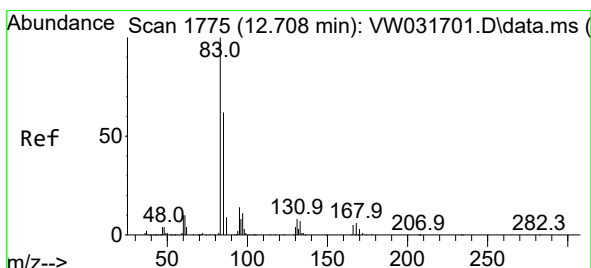
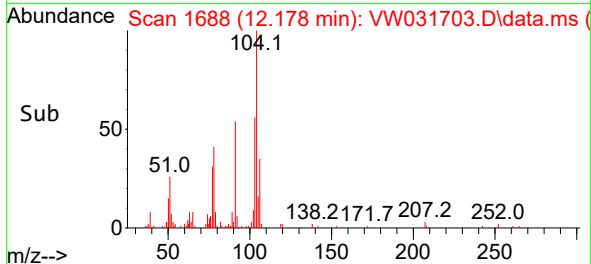
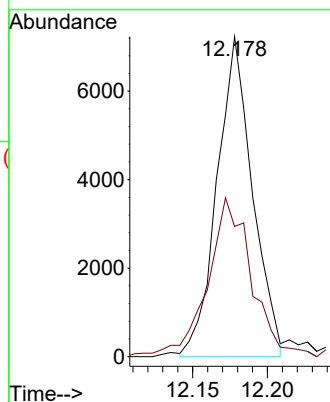
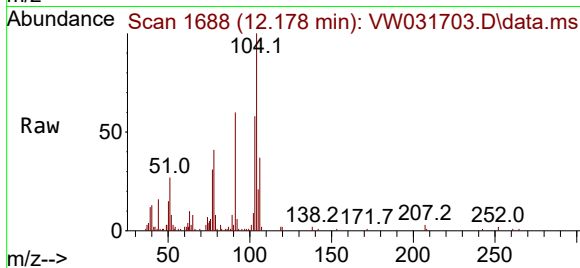
MDL-SOIL-QT1-2025-02

Tgt Ion:104 Resp: 11892

Ion Ratio Lower Upper

104 100

78 40.7 32.1 59.5



#57

1,1,2,2-Tetrachloroethane

Concen: 1.20 ug/L

RT: 12.702 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

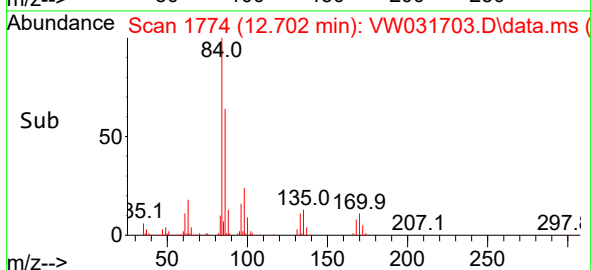
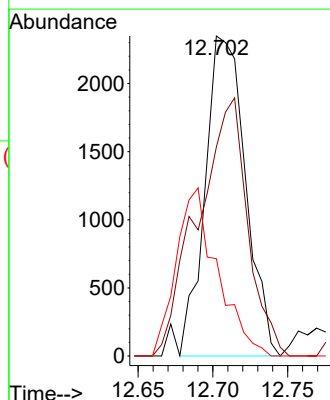
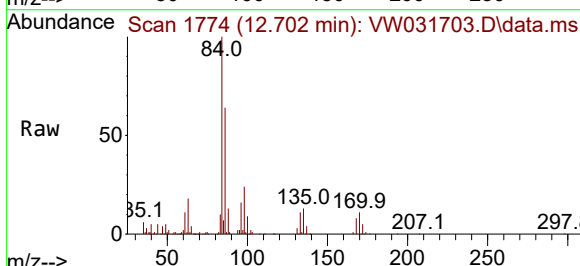
Tgt Ion: 83 Resp: 4418

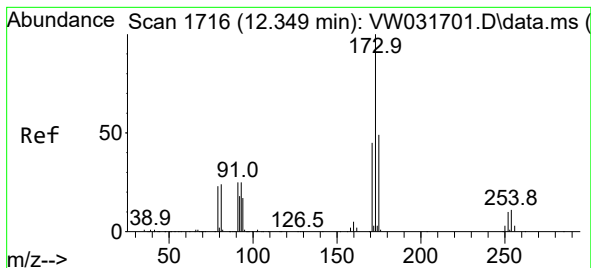
Ion Ratio Lower Upper

83 100

85 65.3 44.2 82.2

131 30.4 7.4 11.2#





#59

Bromoform

Concen: 1.24 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW031703.D

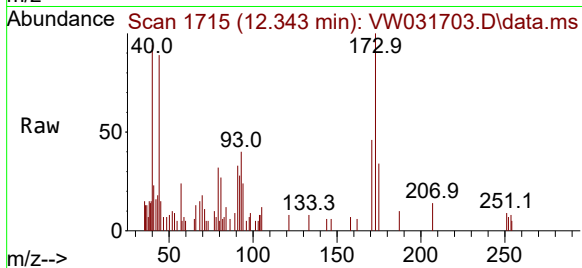
Acq: 09 May 2025 14:59

Instrument :

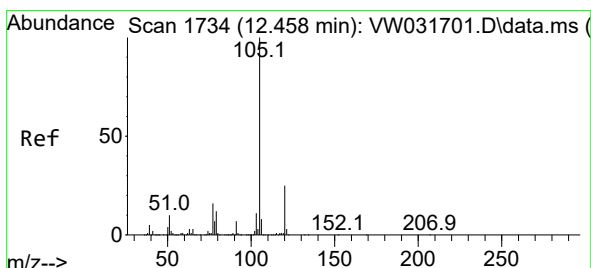
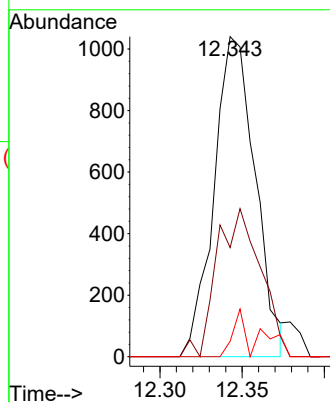
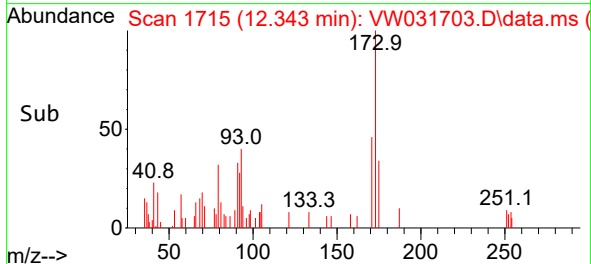
MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-02



Tgt Ion:	173	Resp:	1815
Ion Ratio	Lower	Upper	
173	100		
175	48.3	38.1	57.1
254	4.1	5.5	8.3#



#60

Isopropylbenzene

Concen: 0.91 ug/L

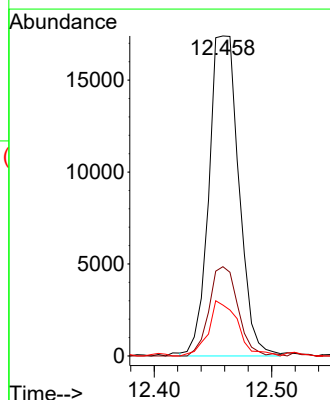
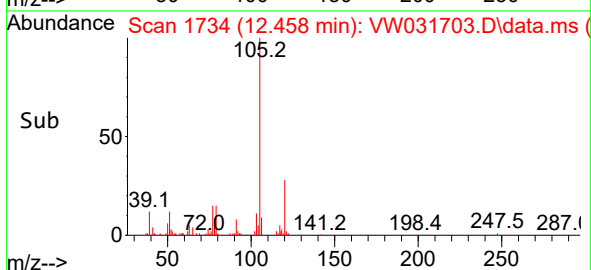
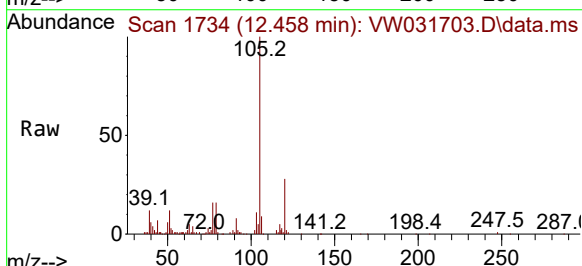
RT: 12.458 min Scan# 1734

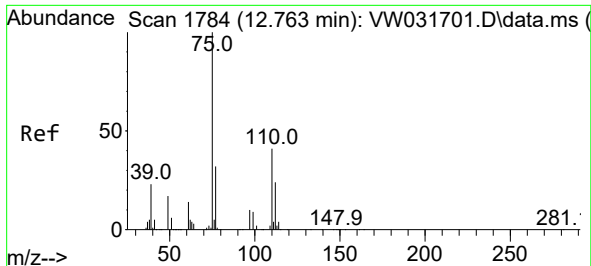
Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Tgt Ion:	105	Resp:	30862
Ion Ratio	Lower	Upper	
105	100		
120	26.6	20.7	31.1
77	16.4	13.3	19.9

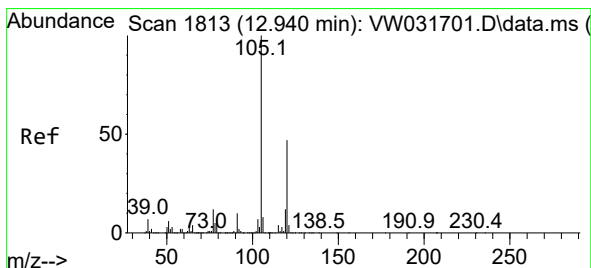
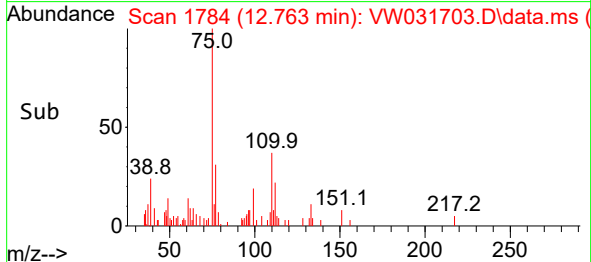
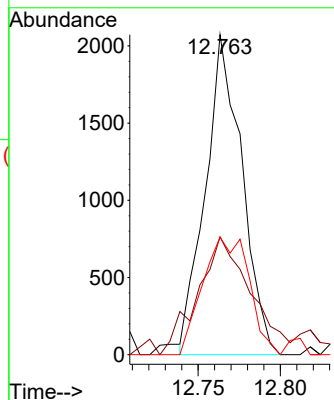
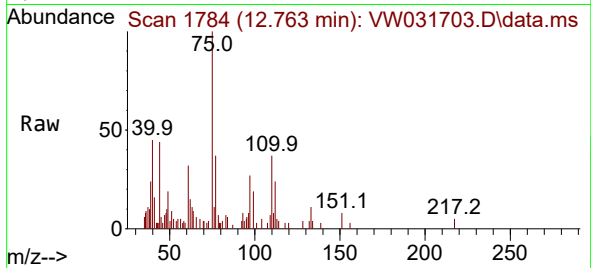




#61
1,2,3-Trichloropropane
Concen: 1.18 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

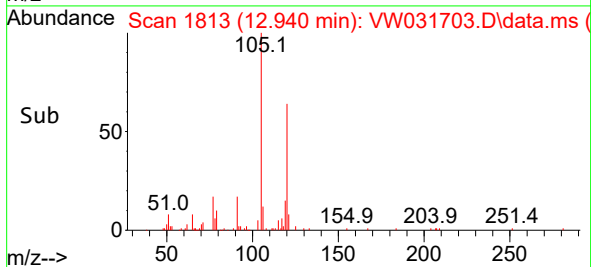
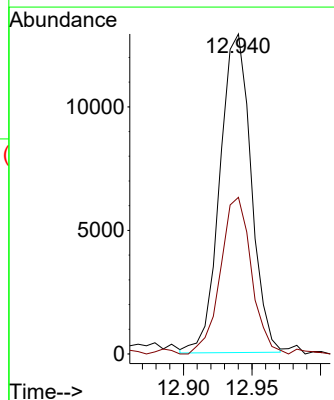
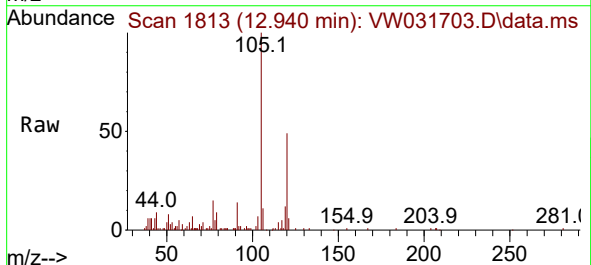
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

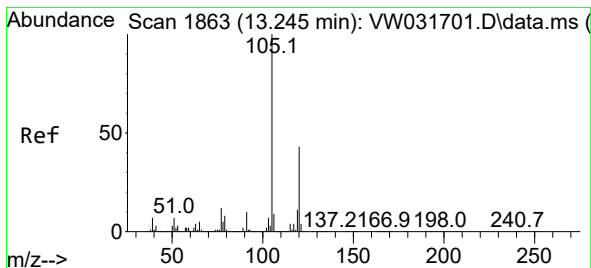
Tgt Ion: 75 Resp: 3206
Ion Ratio Lower Upper
75 100
77 53.4 28.4 42.6#
110 46.7 30.9 46.3#



#62
1,3,5-Trimethylbenzene
Concen: 0.88 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 105 Resp: 20463
Ion Ratio Lower Upper
105 100
120 48.6 38.2 57.2





#63

1,2,4-Trimethylbenzene

Concen: 1.01 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

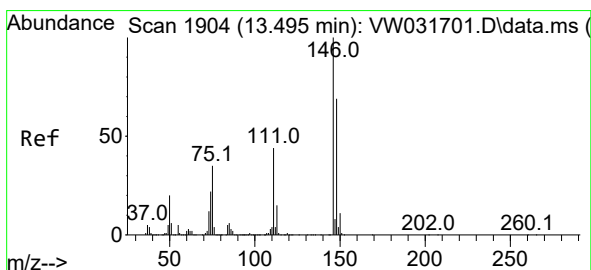
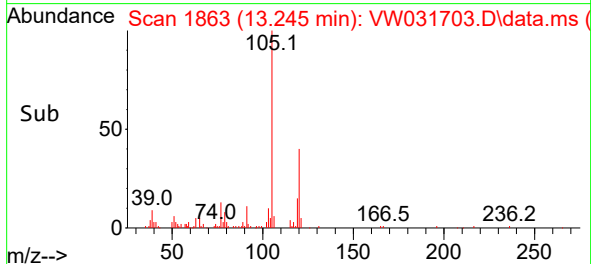
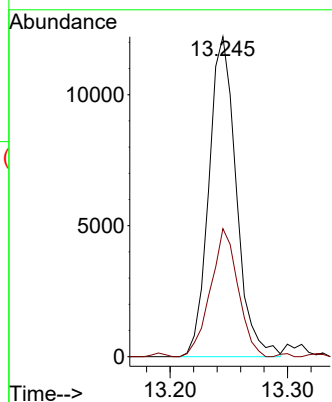
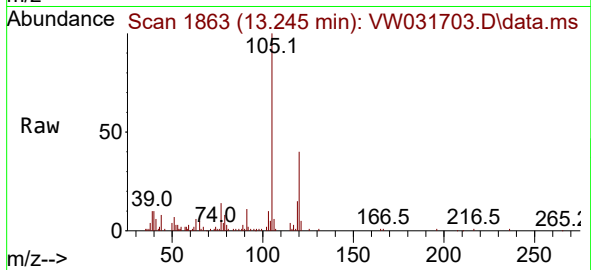
MDL-SOIL-QT1-2025-02

Tgt Ion:105 Resp: 19817

Ion Ratio Lower Upper

105 100

120 40.1 35.4 53.2



#64

1,3-Dichlorobenzene

Concen: 1.10 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

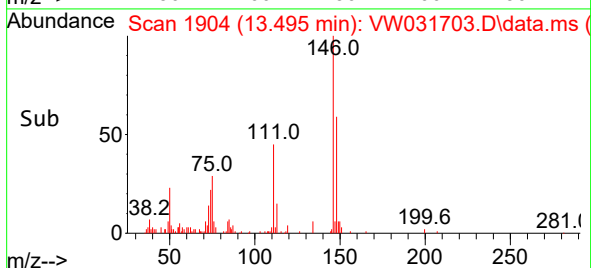
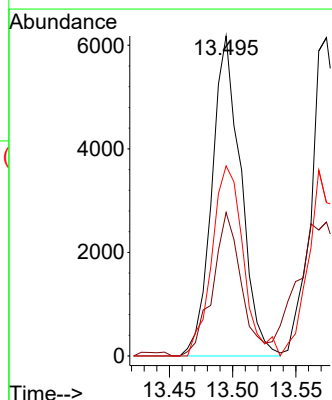
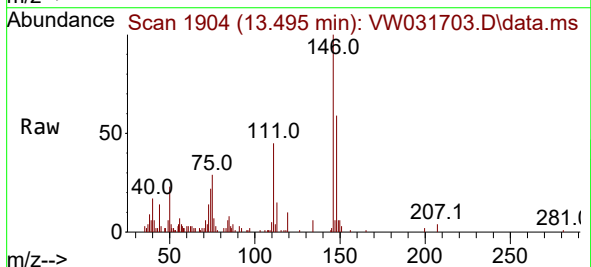
Tgt Ion:146 Resp: 9827

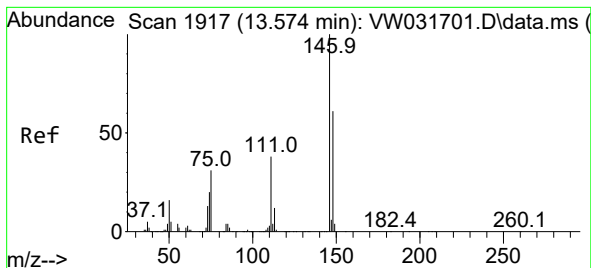
Ion Ratio Lower Upper

146 100

111 44.8 29.5 54.9

148 59.4 45.7 84.9





#65

1,4-Dichlorobenzene

Concen: 1.19 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-02

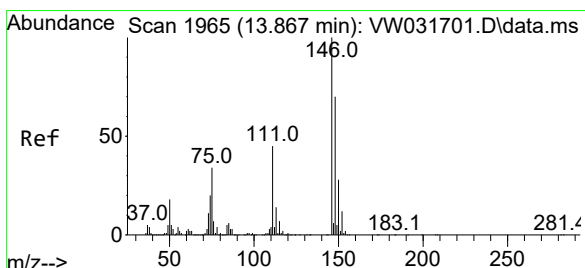
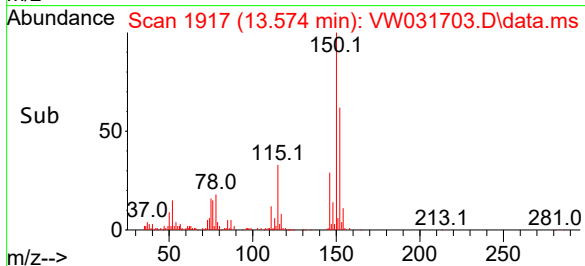
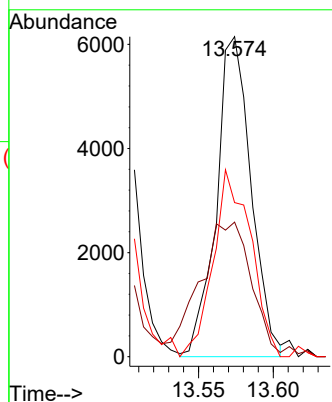
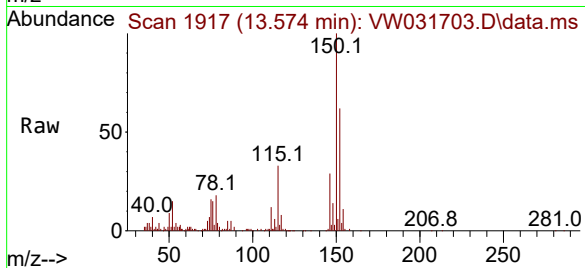
Tgt Ion:146 Resp: 9939

Ion Ratio Lower Upper

146 100

111 42.1 27.6 51.2

148 48.2 40.6 75.4



#67

1,2-Dichlorobenzene

Concen: 1.21 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

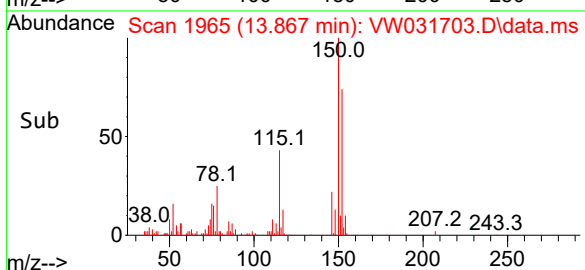
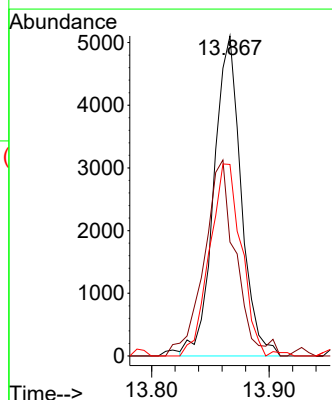
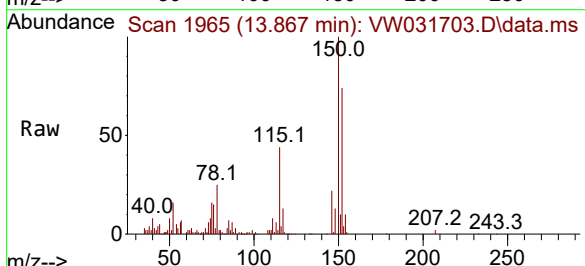
Tgt Ion:146 Resp: 8220

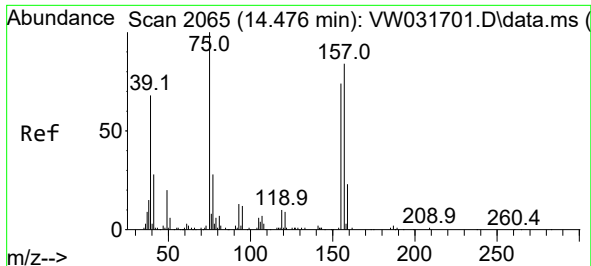
Ion Ratio Lower Upper

146 100

111 35.6 34.2 51.4

148 59.9 43.5 65.3

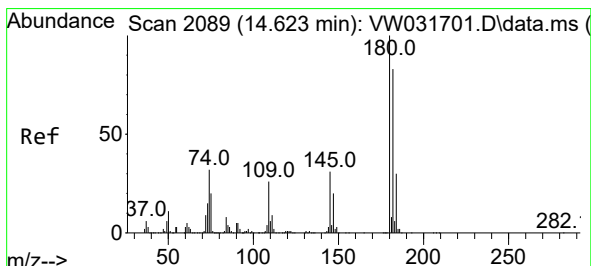
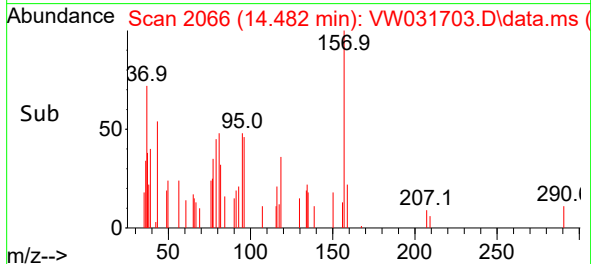
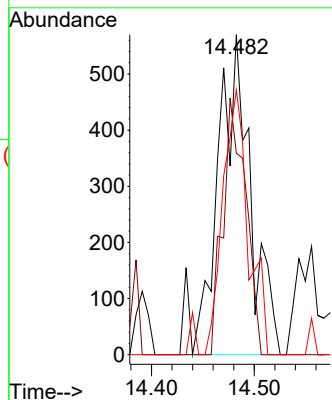
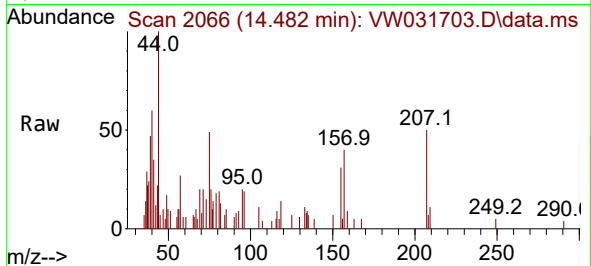




#68
1,2-Dibromo-3-chloropropane
Concen: 1.47 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

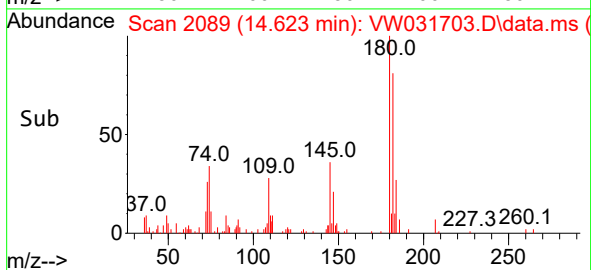
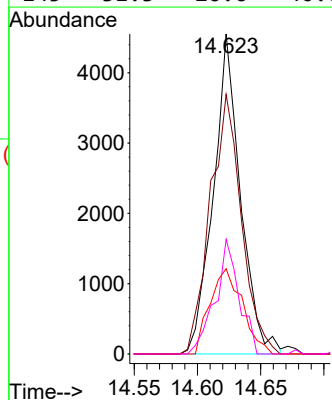
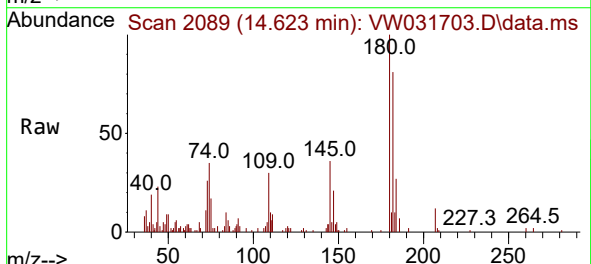
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

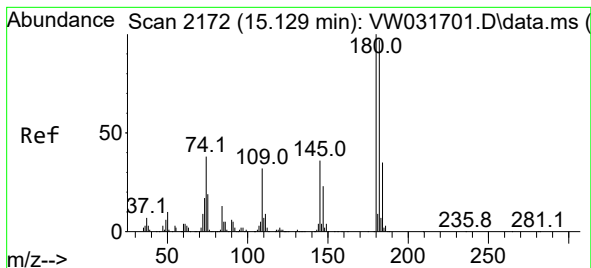
Tgt Ion: 75 Resp: 1284
Ion Ratio Lower Upper
75 100
155 63.0 51.6 77.4
157 82.8 74.6 111.8



#69
1,3,5-Trichlorobenzene
Concen: 1.10 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion:180 Resp: 6789
Ion Ratio Lower Upper
180 100
182 93.4 75.5 113.3
184 31.9 23.7 35.5
145 31.3 26.6 40.0





#70

1,2,4-trichlorobenzene

Concen: 1.21 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2025-02

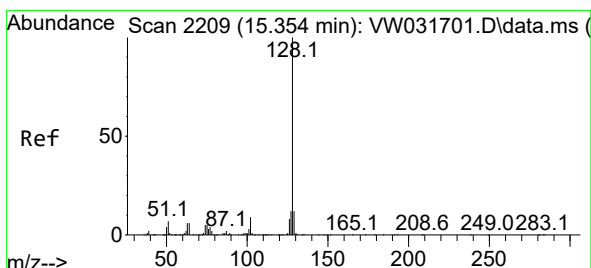
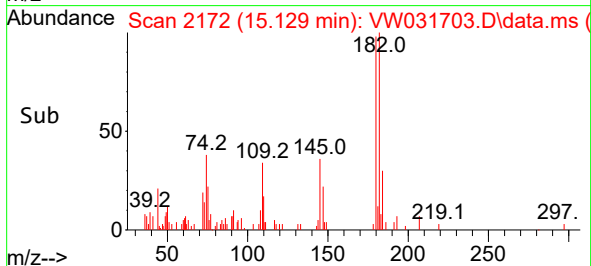
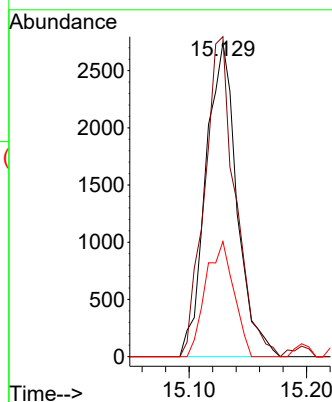
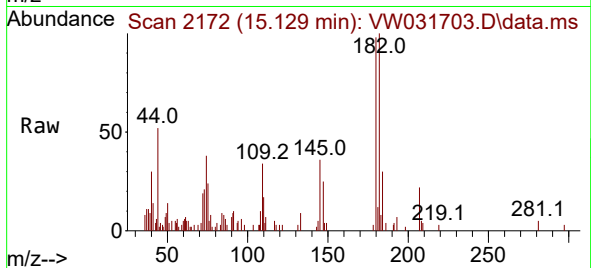
Tgt Ion:180 Resp: 5063

Ion Ratio Lower Upper

180 100

182 100.7 75.7 113.5

145 33.1 26.7 40.1



#71

Naphthalene

Concen: 1.02 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

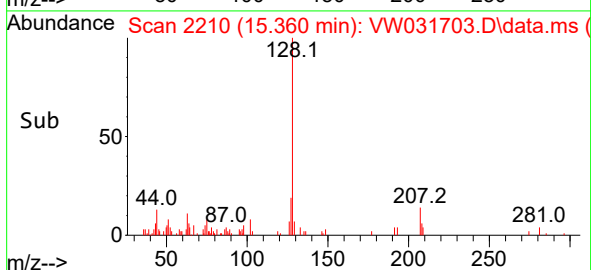
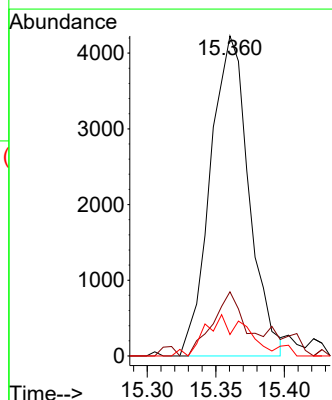
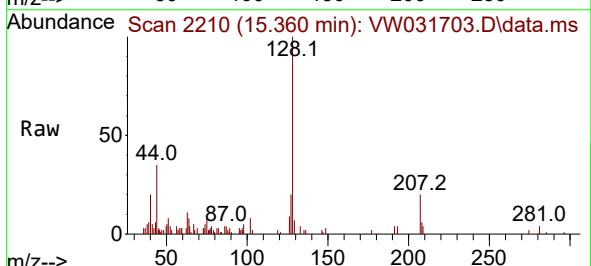
Tgt Ion:128 Resp: 8268

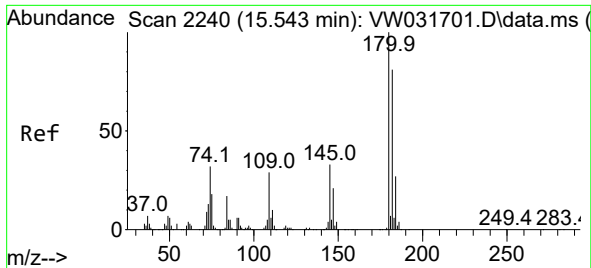
Ion Ratio Lower Upper

128 100

127 17.2 10.6 16.0#

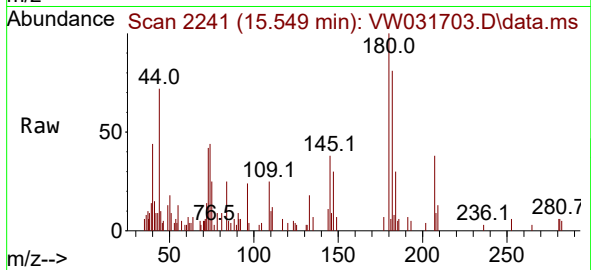
129 7.7 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.06 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2025-02



Tgt Ion:180 Resp: 3577
 Ion Ratio Lower Upper
 180 100
 182 104.6 77.3 115.9
 145 8.3 28.6 43.0#

