

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/A
 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	8.307	65	102428m	26.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.52%
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	9074m	1.02	ug/L	
3) Chloromethane	2.210	50	8365	1.18	ug/L	95
5) Vinyl chloride	2.381	62	10968m	1.03	ug/L	
6) Bromomethane	2.789	94	4607	1.06	ug/L	82
8) Chloroethane	2.930	64	6419m	1.26	ug/L	
9) Trichlorofluoromethane	3.259	101	8183	0.98	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	12265m	1.10	ug/L	
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	3939m	1.37	ug/L	
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	12622m	1.08	ug/L	
20) cis-1,2-Dichloroethene	7.173	96	6101	1.06	ug/L	79
23) Bromochloromethane	7.508	128	2062m	1.10	ug/L	
25) Chloroform	7.679	83	12667	1.26	ug/L	88
27) 1,2-Dichloroethane	8.398	62	5708	1.23	ug/L	100

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/A
 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

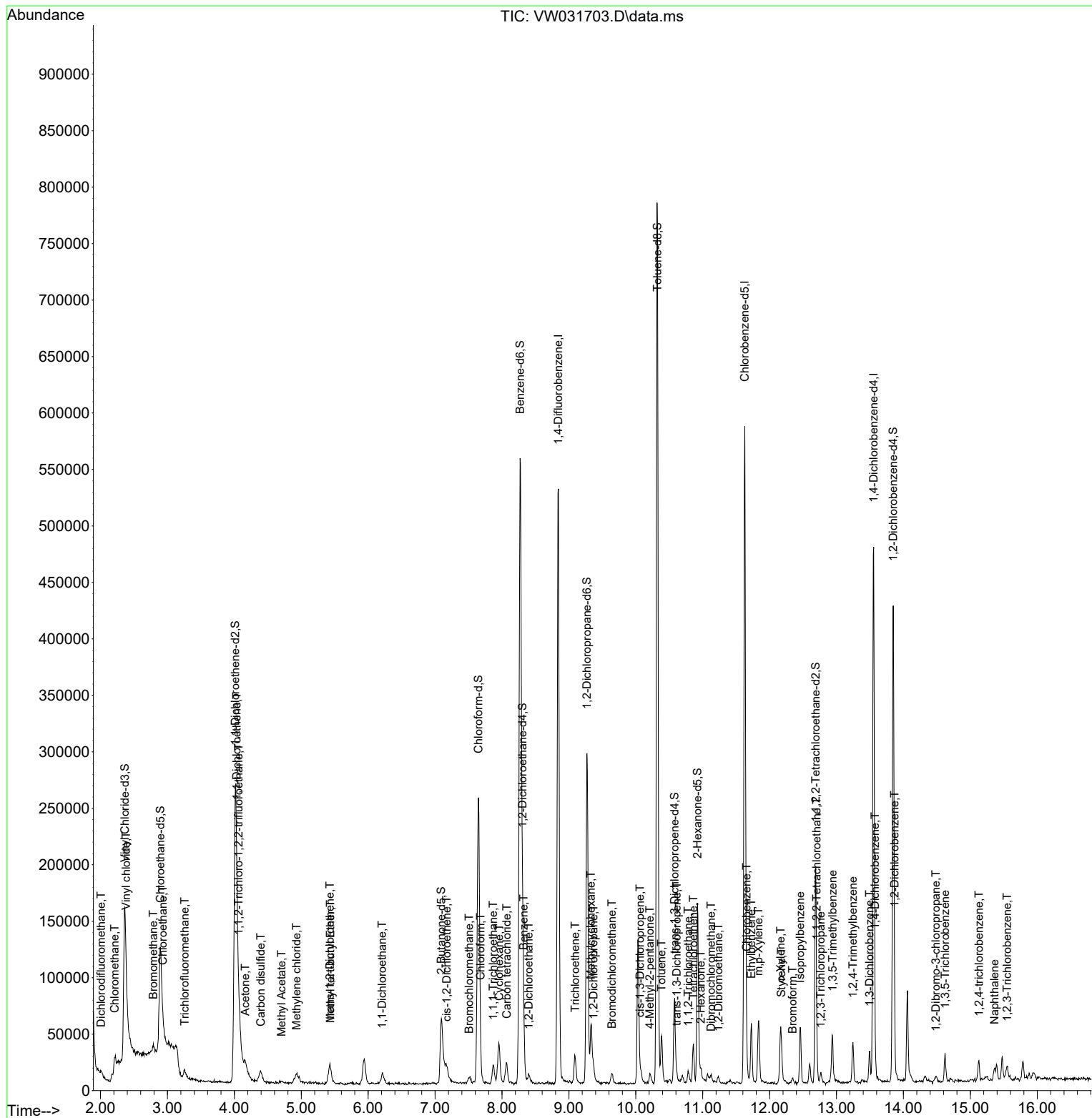
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	17185	0.84	ug/L	96
30) 1,1,1-Trichloroethane	7.868	97	13006m	0.98	ug/L	
31) Carbon tetrachloride	8.069	117	13025	0.98	ug/L	100
33) Benzene	8.325	78	27754	1.08	ug/L	100
34) Trichloroethene	9.093	95	8642	1.02	ug/L	93
35) Methylcyclohexane	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	6470m	1.18	ug/L	
39) cis-1,3-Dichloropropene	10.063	75	6705m	1.08	ug/L	
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
45) 1,1,2-Trichloroethane	10.782	97	3515m	1.23	ug/L	
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

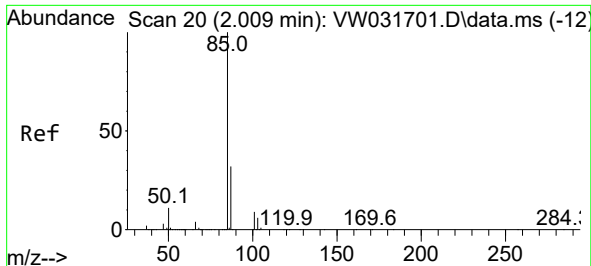
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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/A
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

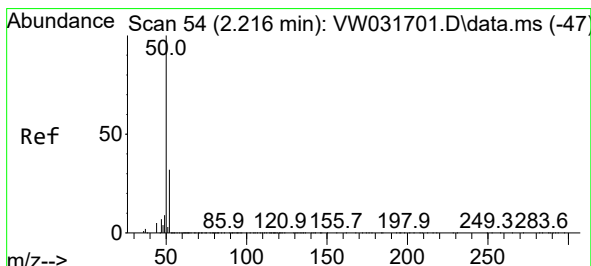
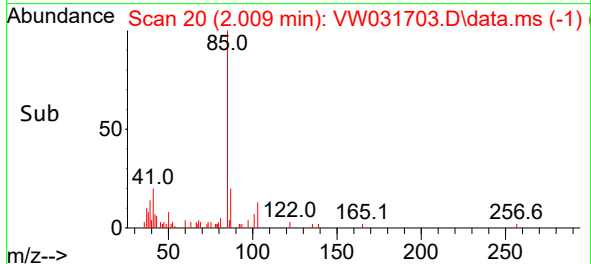
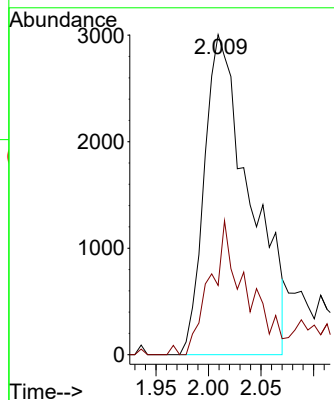
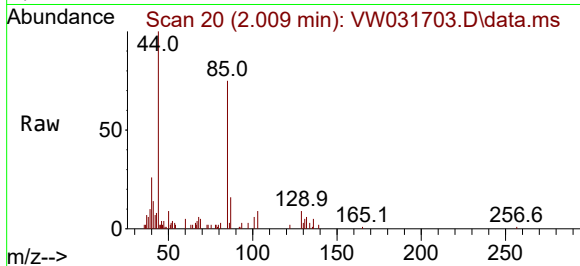




#2
 Dichlorodifluoromethane
 Concen: 1.02 ug/L m
 RT: 2.009 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

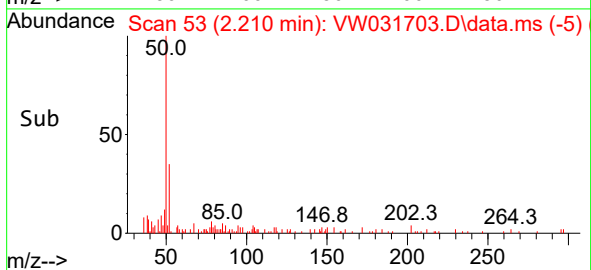
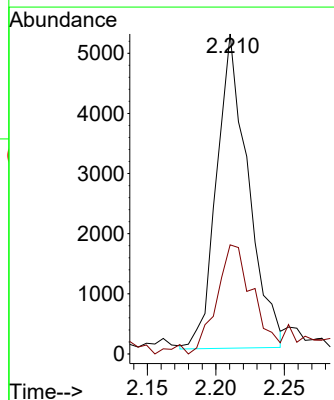
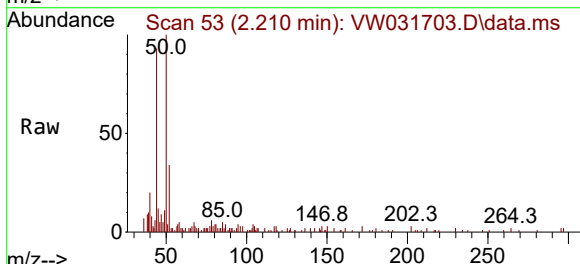
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

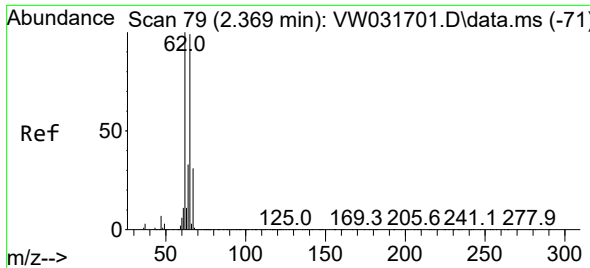
Tgt Ion: 85 Resp: 9074
 Ion Ratio Lower Upper
 85 100
 87 10.8 0.1 0.1#



#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

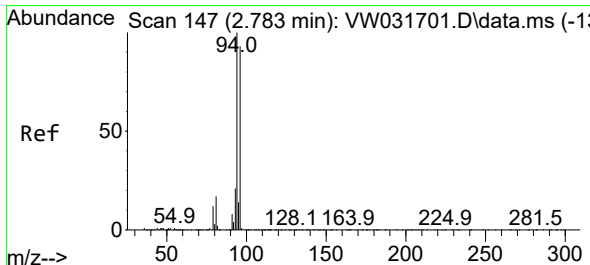
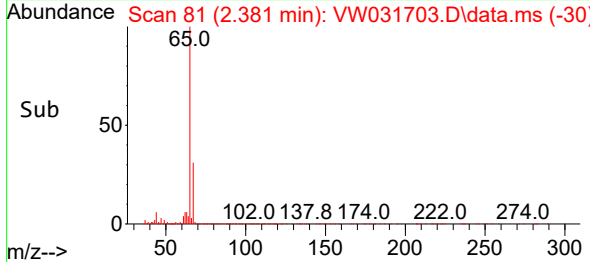
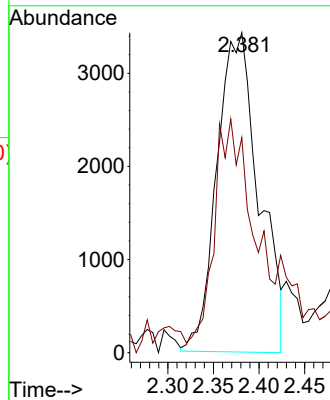
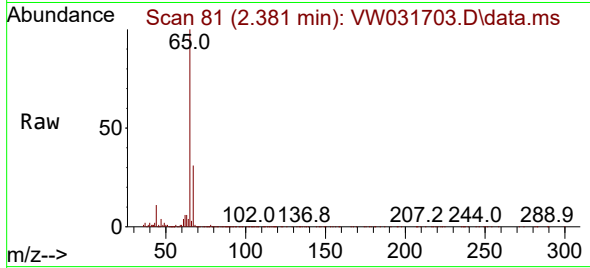




#5
 Vinyl chloride
 Concen: 1.03 ug/L m
 RT: 2.381 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

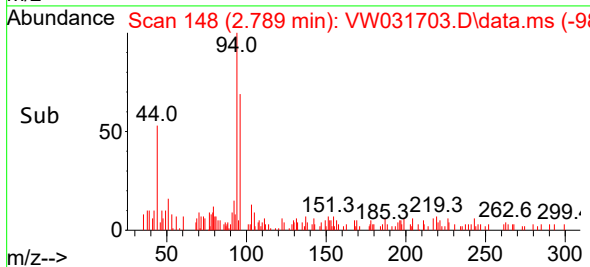
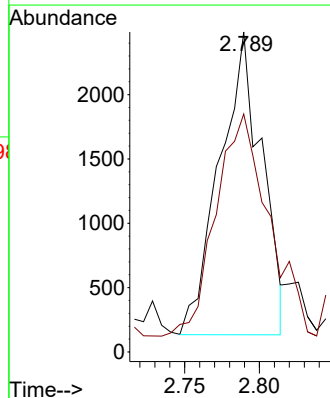
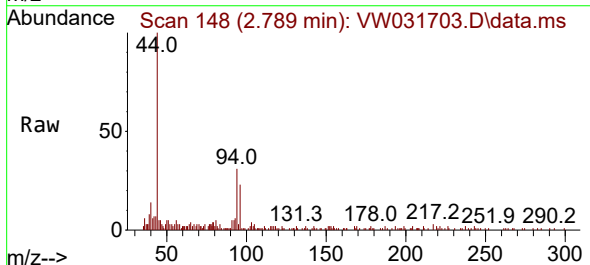
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

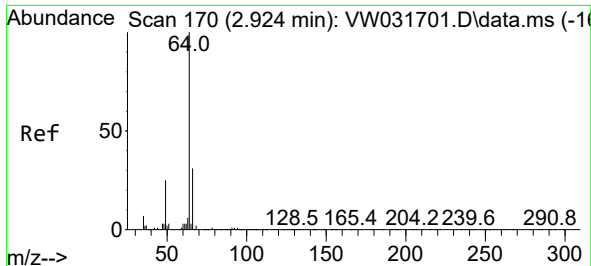
Tgt Ion: 62 Resp: 10968
 Ion Ratio Lower Upper
 62 100
 64 67.2 23.7 43.9#



#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

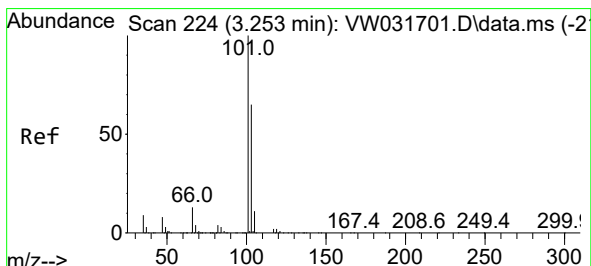
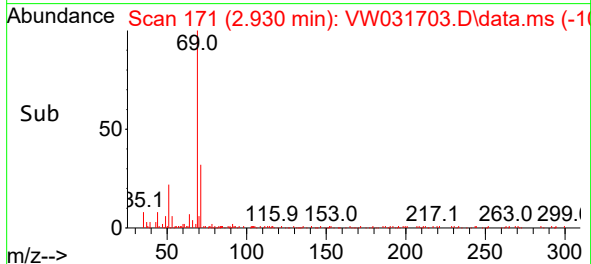
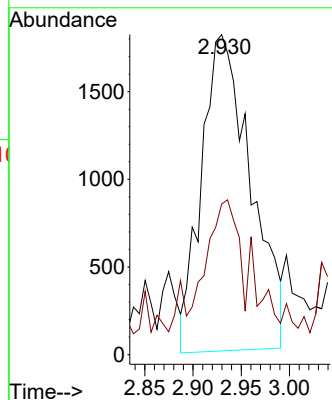
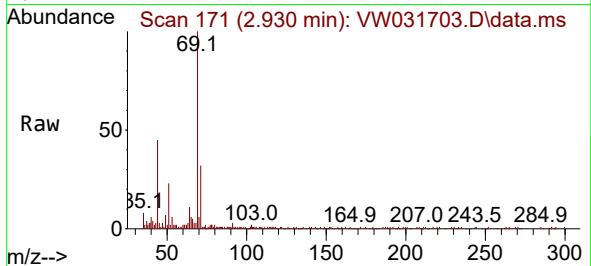




#8
Chloroethane
Concen: 1.26 ug/L m
RT: 2.930 min Scan# 170
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

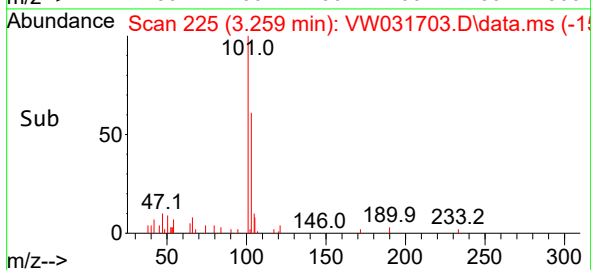
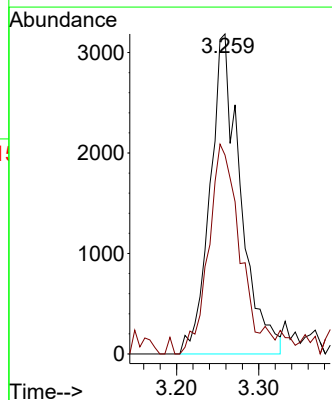
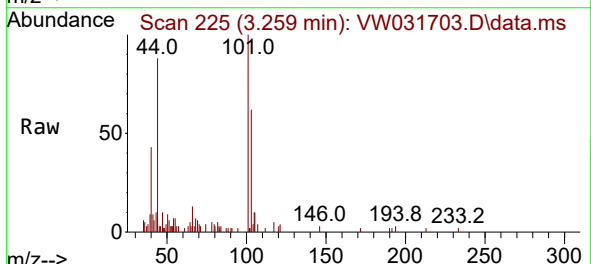
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

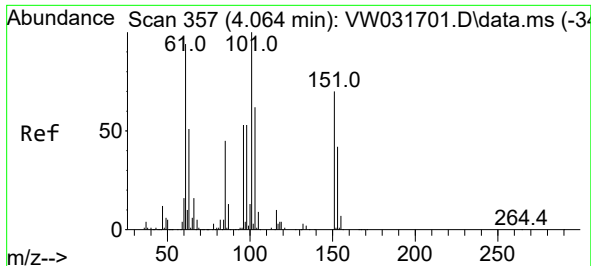
Tgt Ion: 64 Resp: 6419
Ion Ratio Lower Upper
64 100
66 47.1 23.9 44.5#



#9
Trichlorofluoromethane
Concen: 0.98 ug/L
RT: 3.259 min Scan# 225
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

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

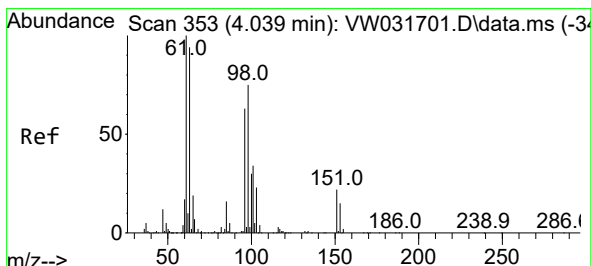
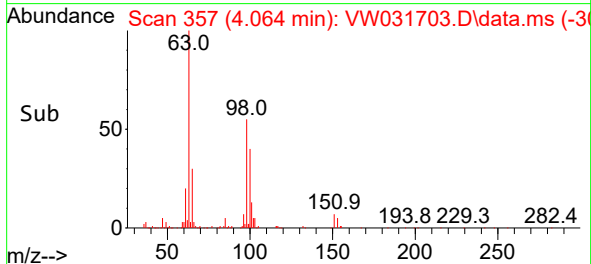
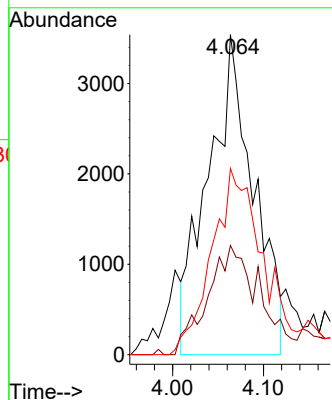
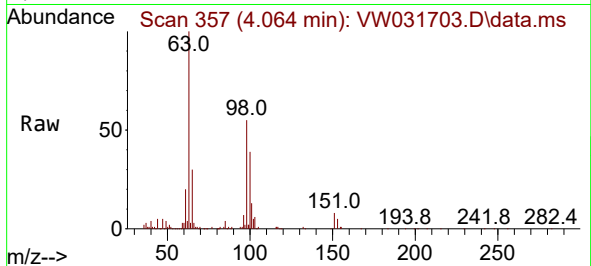




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.10 ug/L m
 RT: 4.064 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW031703.D
 Acq: 09 May 2025 14:59

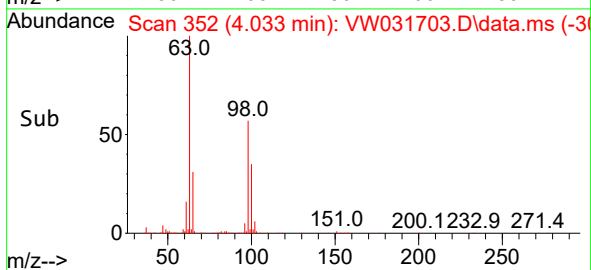
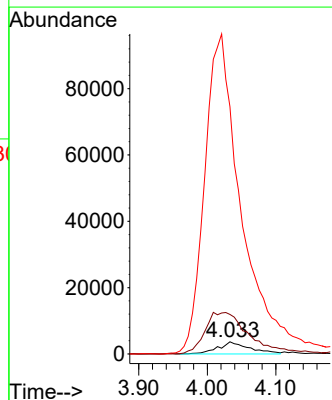
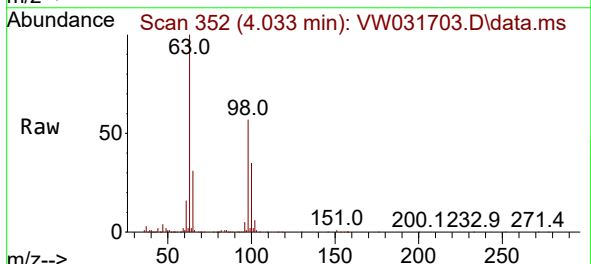
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

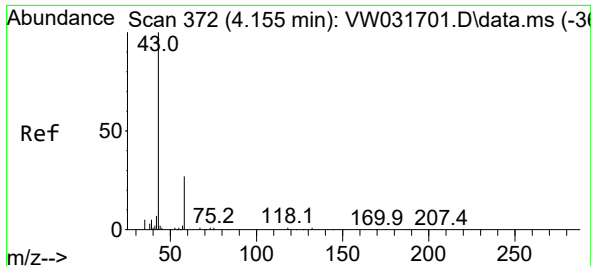
Tgt Ion:101 Resp: 12265
 Ion Ratio Lower Upper
 101 100
 85 25.9 31.8 47.6#
 151 38.5 54.6 82.0#



#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#

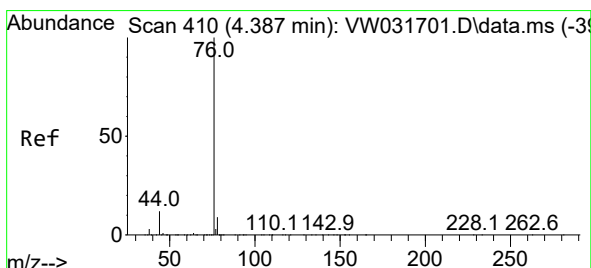
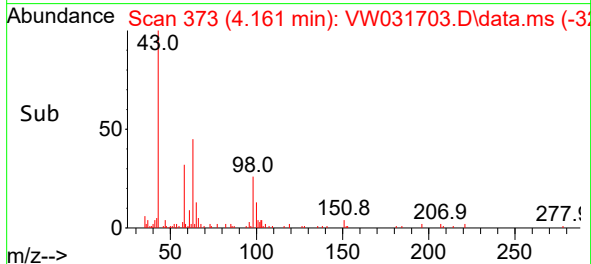
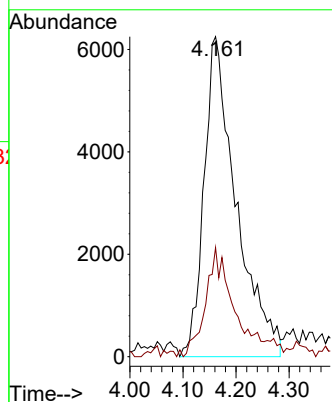
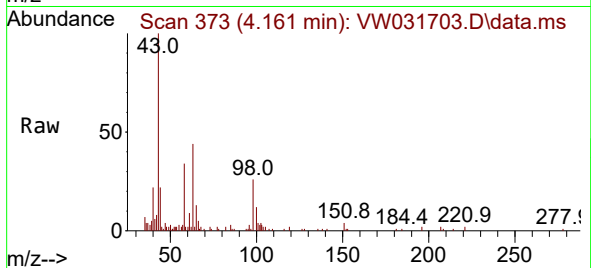




#13
Acetone
Concen: 16.50 ug/L
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

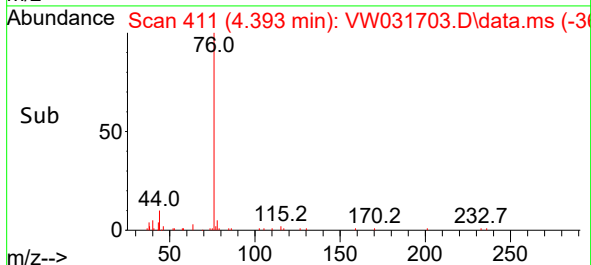
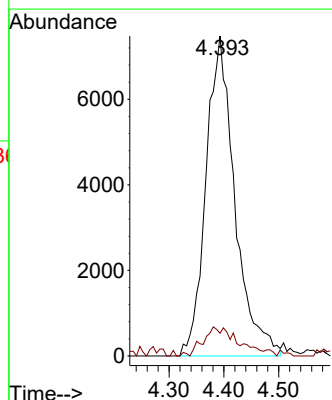
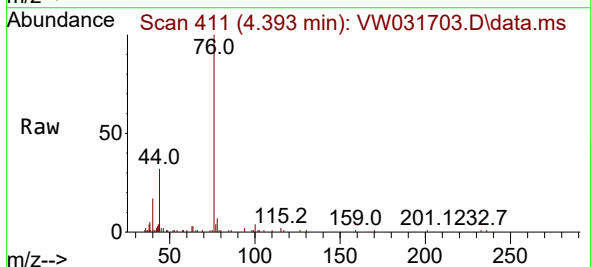
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

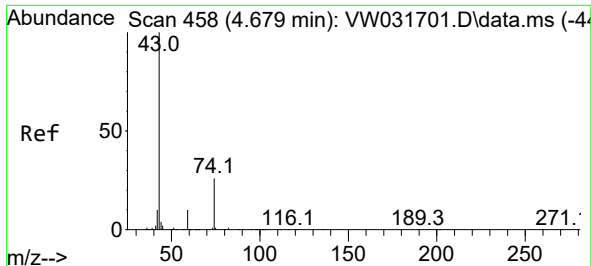
Tgt Ion: 43 Resp: 26336
Ion Ratio Lower Upper
43 100
58 14.2 0.0 66.2



#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

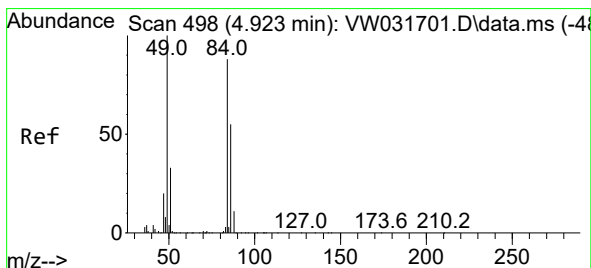
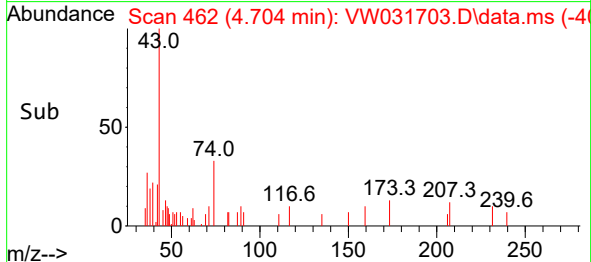
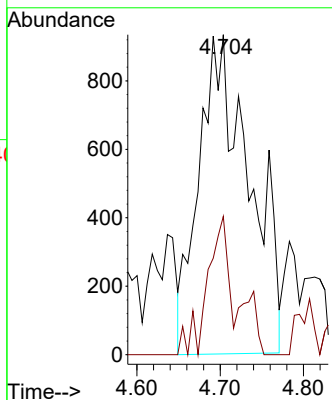
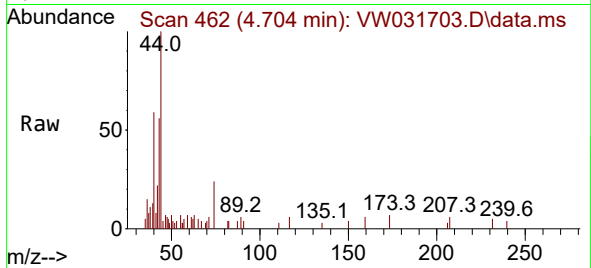




#15
Methyl Acetate
Concen: 1.37 ug/L m
RT: 4.704 min Scan# 4
Delta R.T. 0.024 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

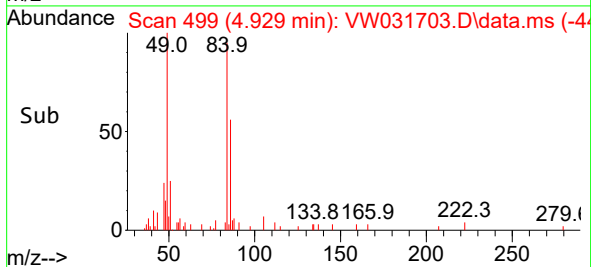
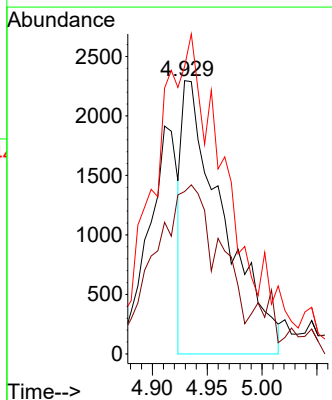
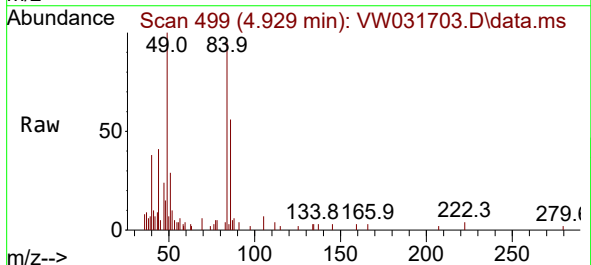
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

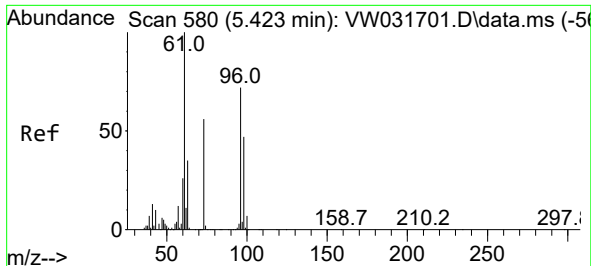
Tgt Ion: 43 Resp: 3939
Ion Ratio Lower Upper
43 100
74 16.0 8.7 13.1#



#16
Methylene chloride
Concen: 1.30 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

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

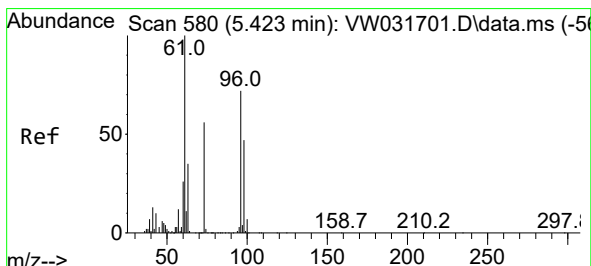
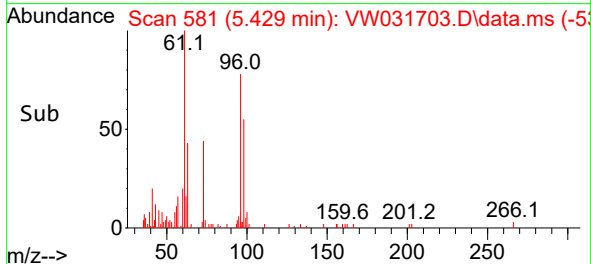
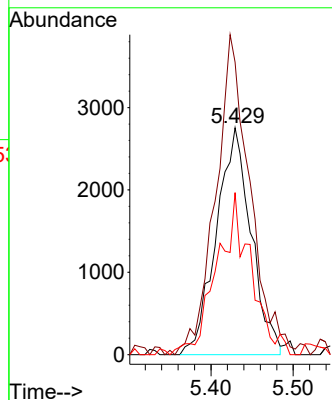
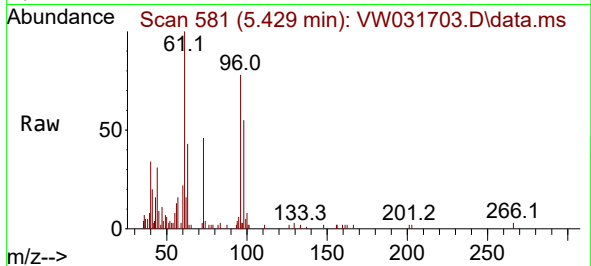




#17
trans-1,2-Dichloroethene
Concen: 1.08 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

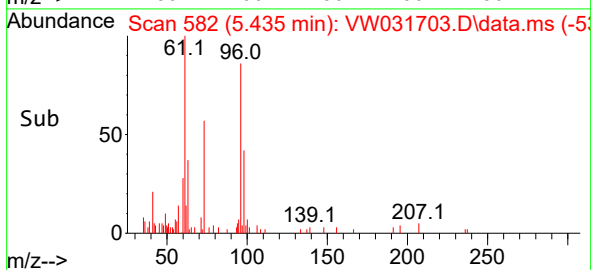
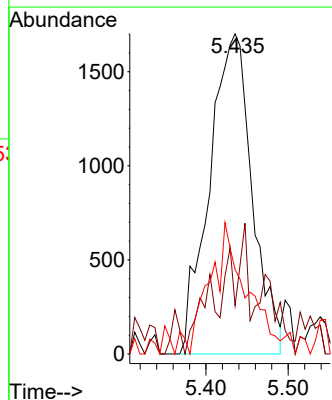
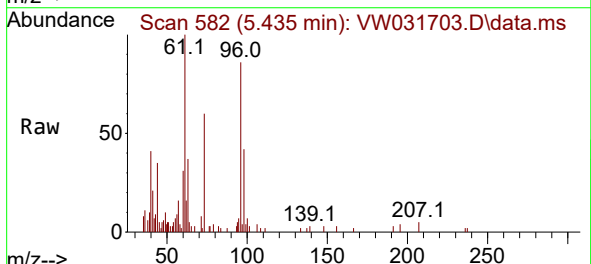
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

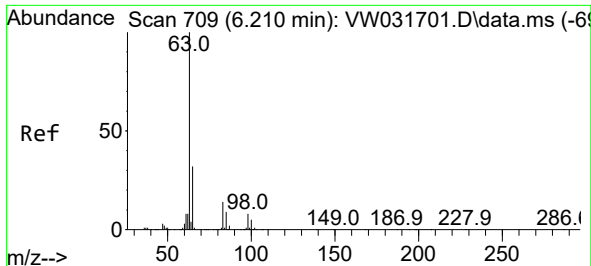
Tgt Ion:	96	Resp:	8094
Ion	Ratio	Lower	Upper
96	100		
61	128.9	100.9	187.3
98	71.4	45.0	83.6



#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: 1.08 ug/L m

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

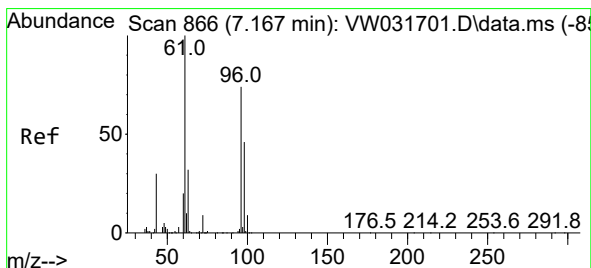
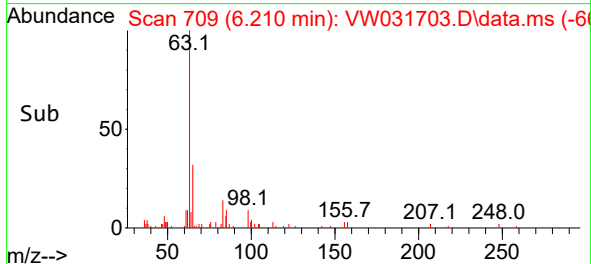
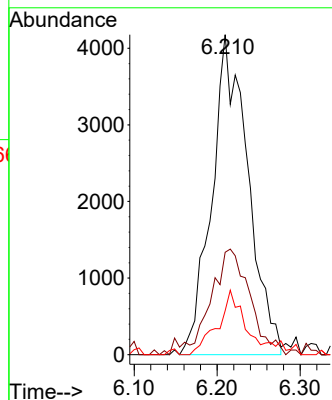
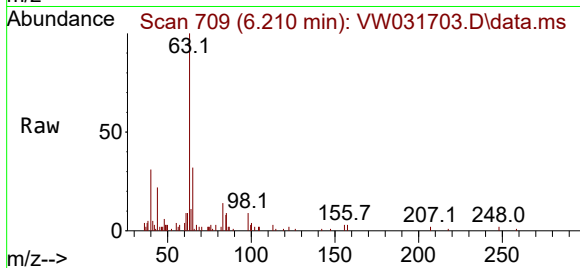
Tgt Ion: 63 Resp: 12622

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

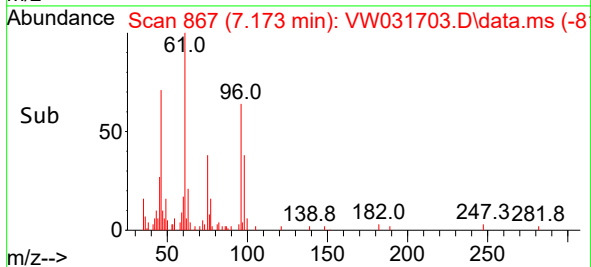
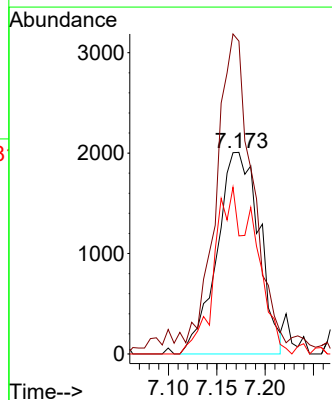
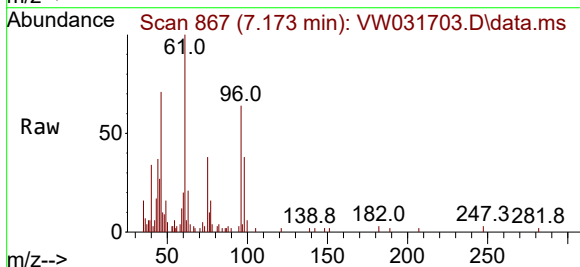
Tgt Ion: 96 Resp: 6101

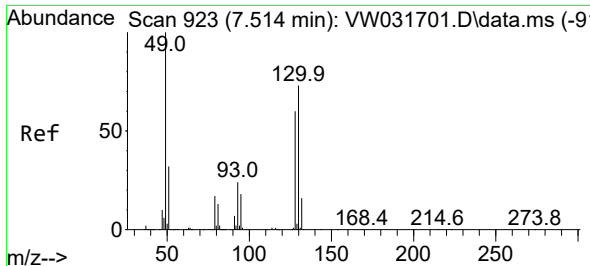
Ion Ratio Lower Upper

96 100

61 155.3 84.8 157.6

98 58.6 42.4 78.6

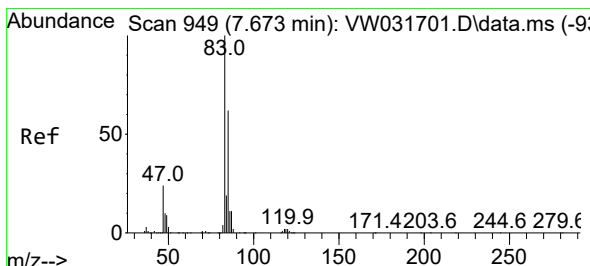
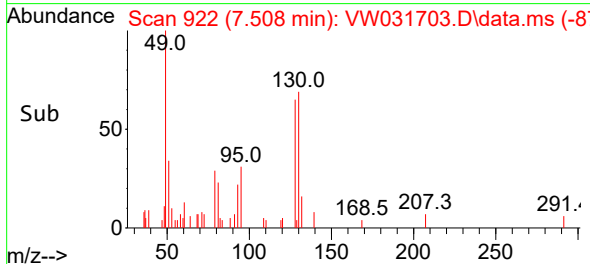
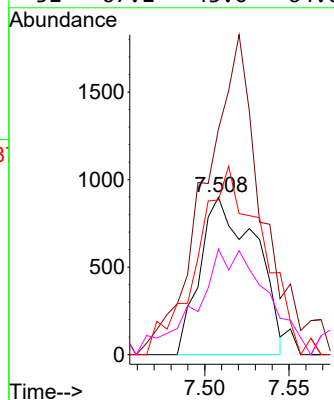
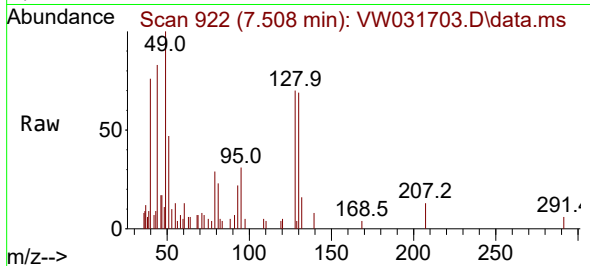




#23
Bromochloromethane
Concen: 1.10 ug/L m
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

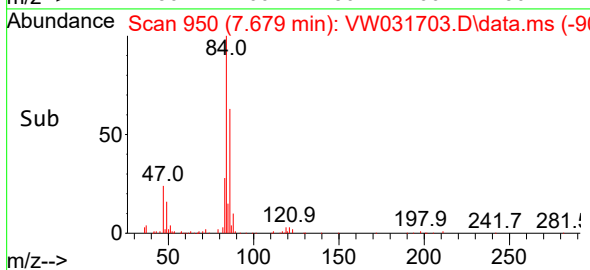
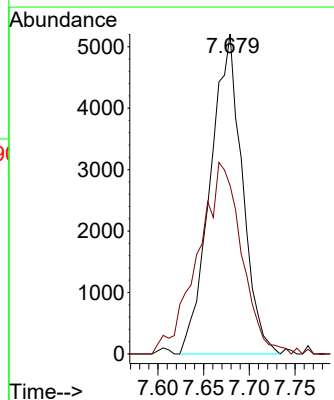
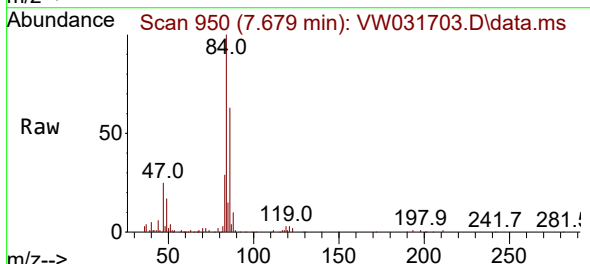
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

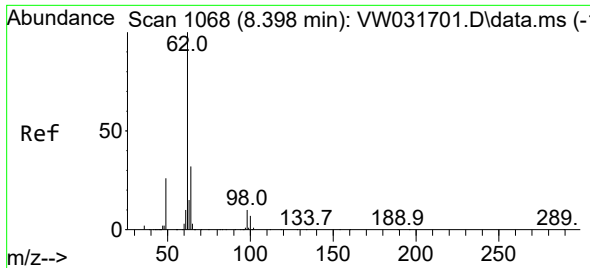
Tgt Ion:	128	Resp:	2062
Ion	Ratio	Lower	Upper
128	100		
49	143.4	125.1	232.3
130	98.3	83.9	155.7
51	67.1	43.0	64.6



#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

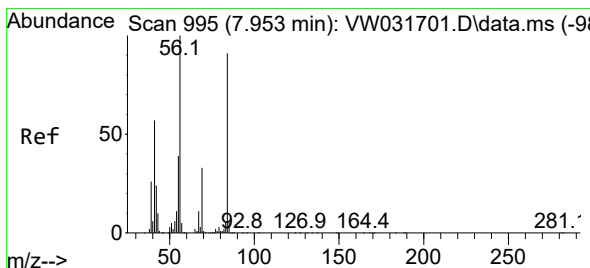
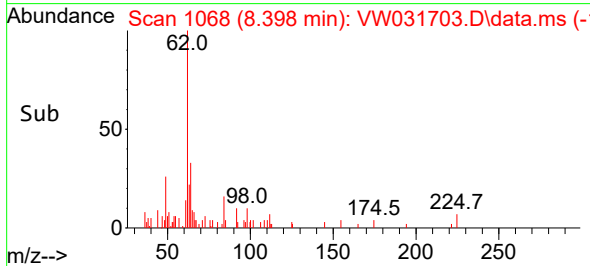
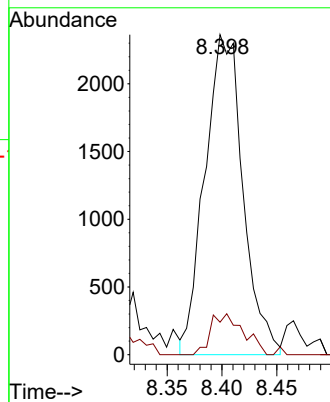
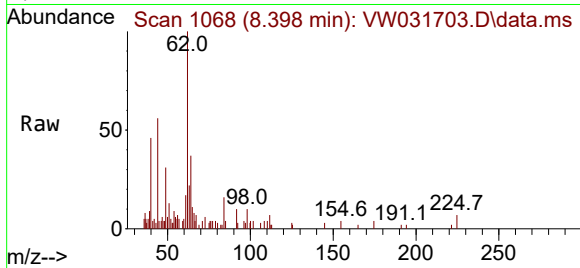




#27
1,2-Dichloroethane
Concen: 1.23 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

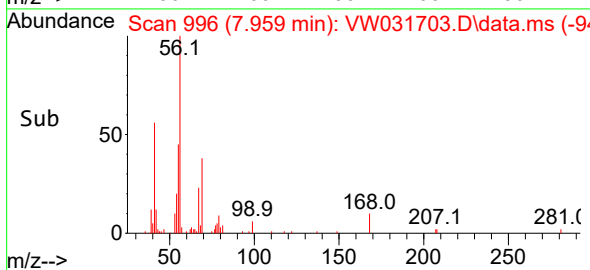
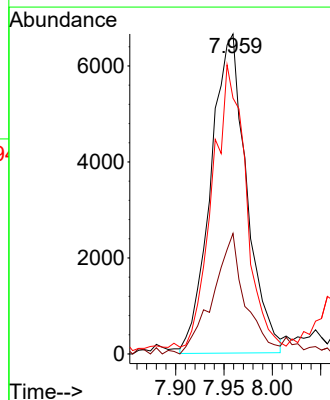
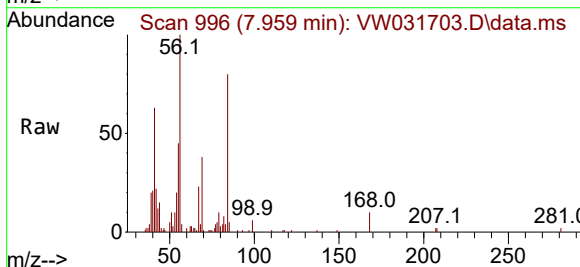
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

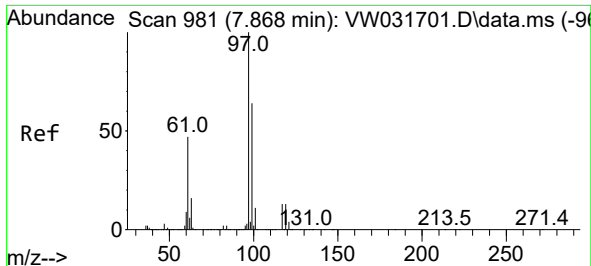
Tgt Ion: 62 Resp: 5708
Ion Ratio Lower Upper
62 100
98 10.2 8.0 12.0



#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

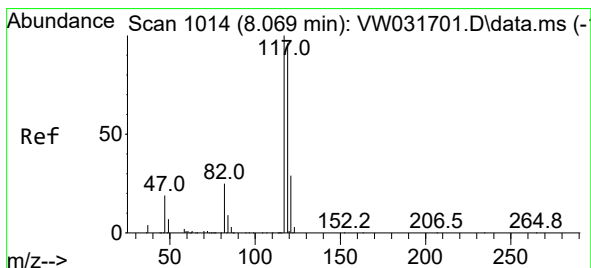
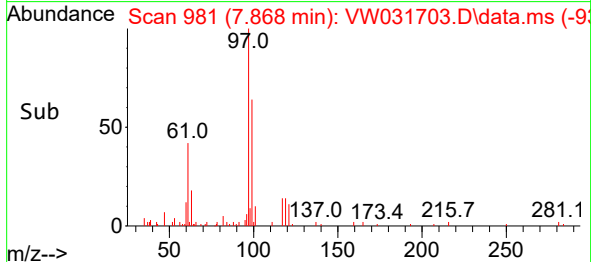
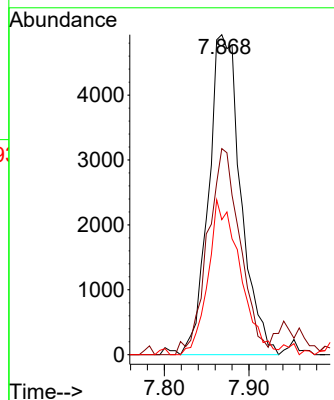
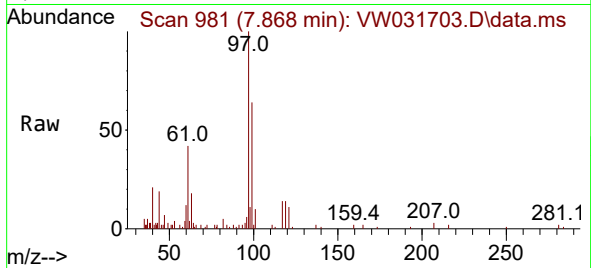




#30
1,1,1-Trichloroethane
Concen: 0.98 ug/L m
RT: 7.868 min Scan# 981
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

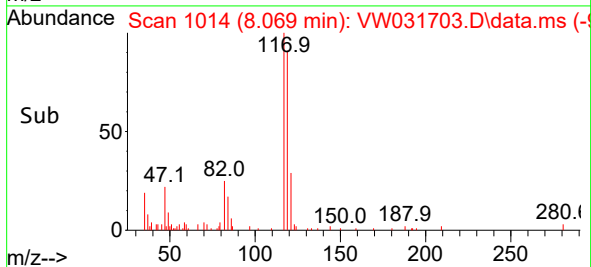
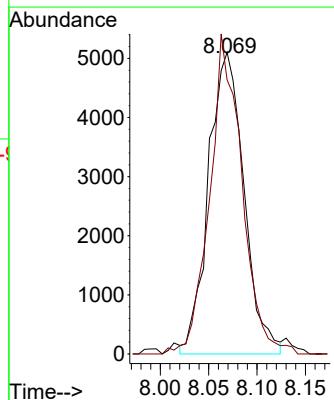
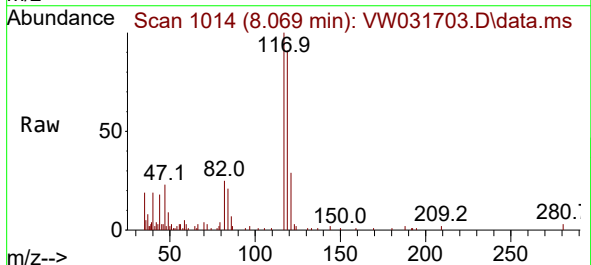
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

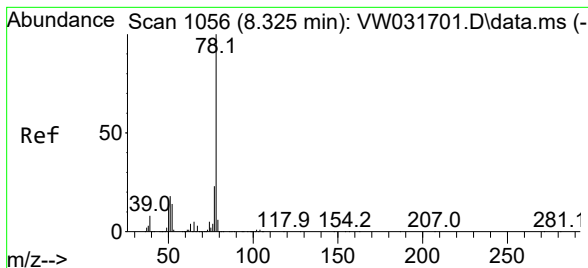
Tgt Ion:	97	Resp:	13006
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	48.4	36.4	54.6



#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

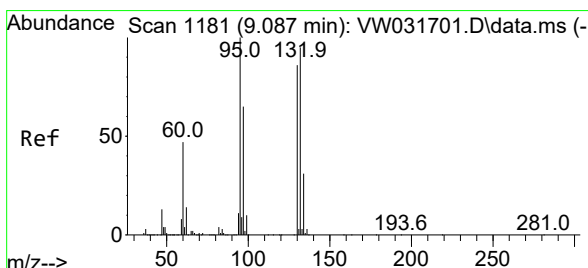
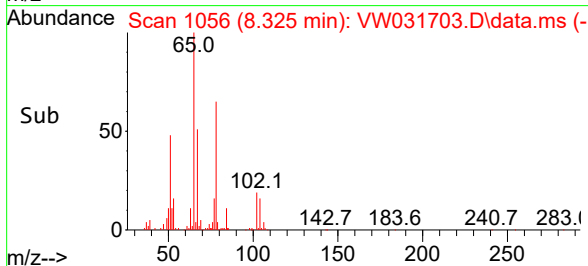
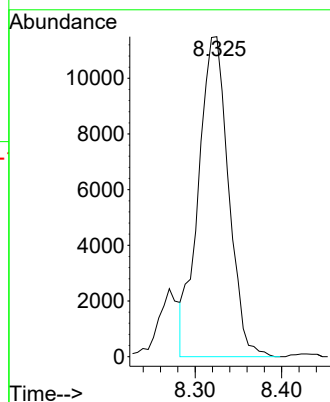
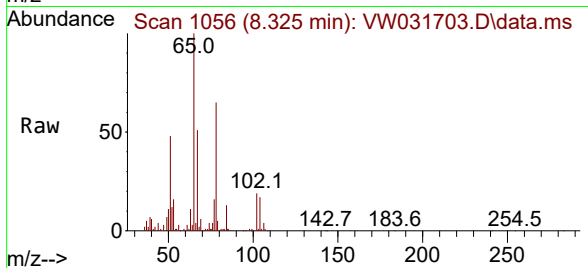
Instrument :

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

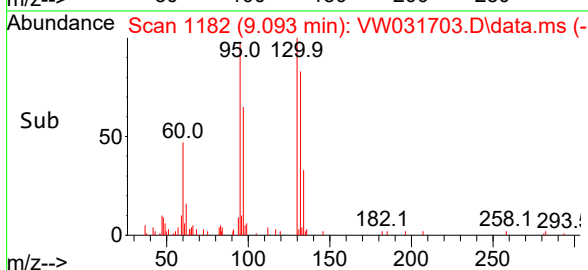
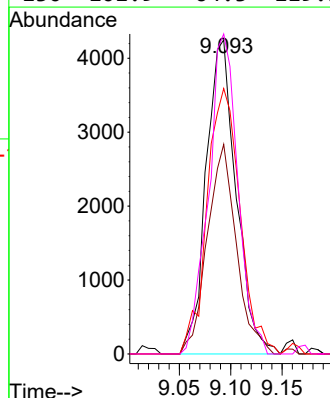
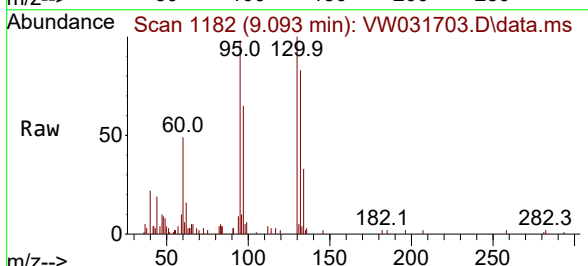
Ion Ratio Lower Upper

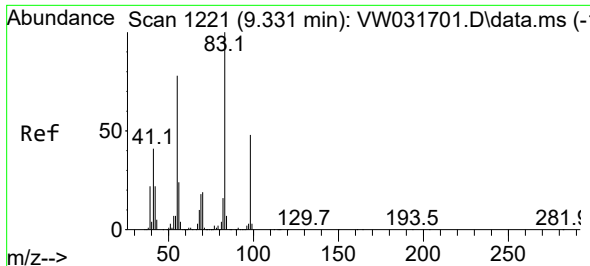
95 100

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

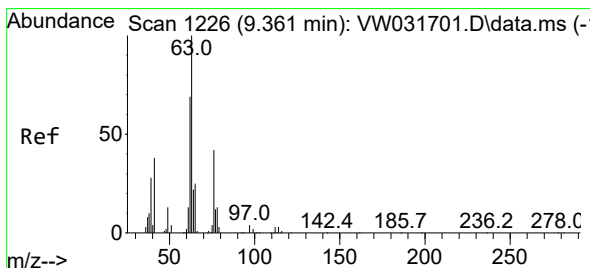
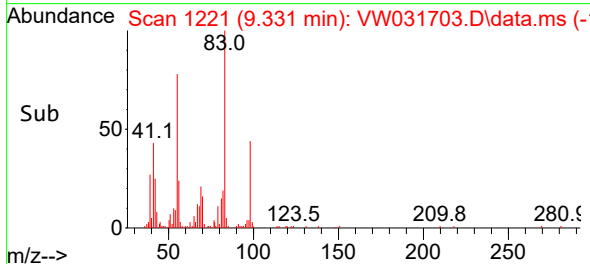
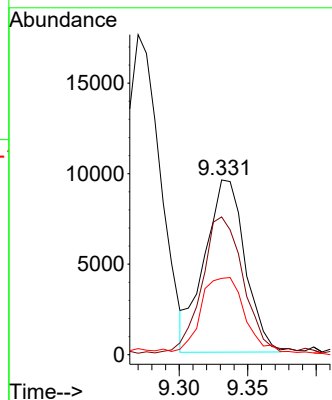
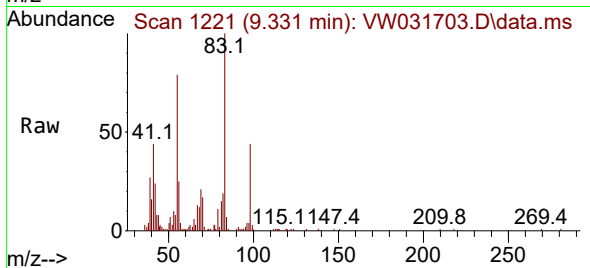
Tgt Ion: 83 Resp: 19572

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

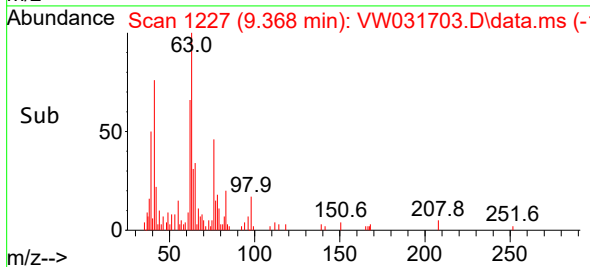
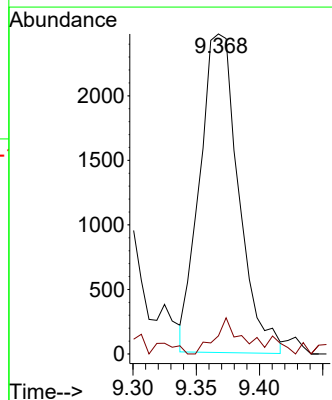
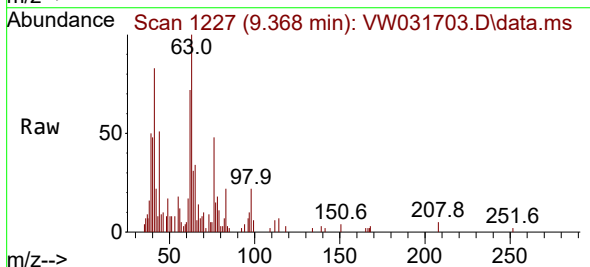
Acq: 09 May 2025 14:59

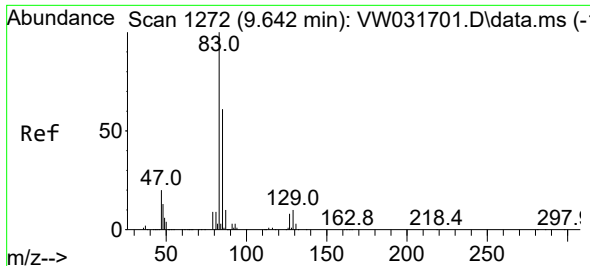
Tgt Ion: 63 Resp: 5270

Ion Ratio Lower Upper

63 100

112 7.9 4.0 6.0#

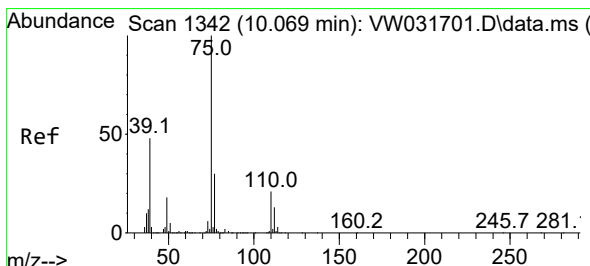
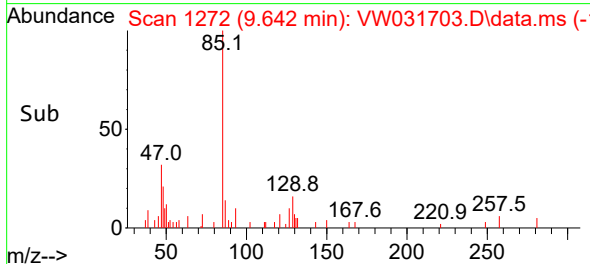
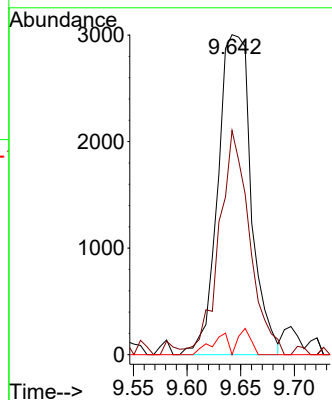
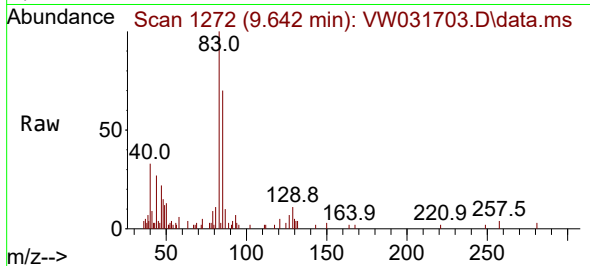




#38
Bromodichloromethane
Concen: 1.18 ug/L m
RT: 9.642 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

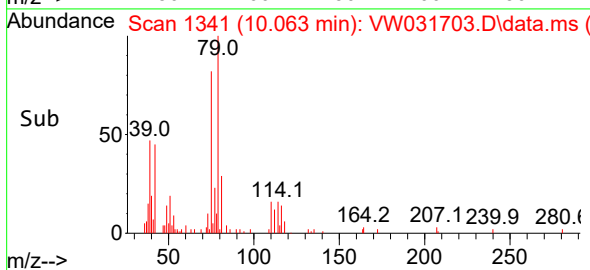
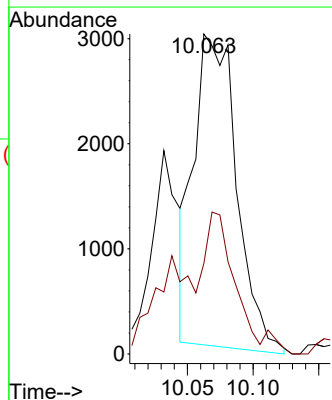
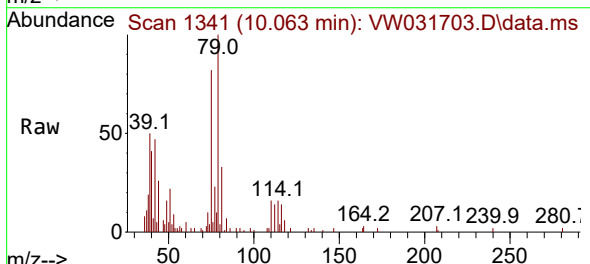
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

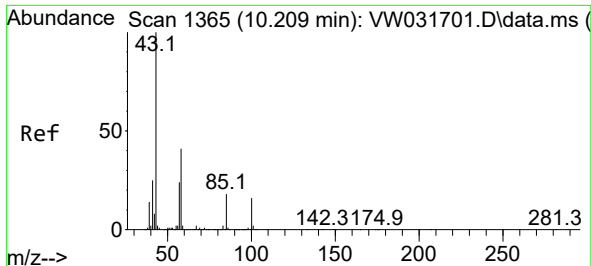
Tgt Ion: 83 Resp: 6470
Ion Ratio Lower Upper
83 100
85 70.1 44.0 81.8
127 0.0 5.8 8.6#



#39
cis-1,3-Dichloropropene
Concen: 1.08 ug/L m
RT: 10.063 min Scan# 1341
Delta R.T. -0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

Tgt Ion: 75 Resp: 6705
Ion Ratio Lower Upper
75 100
77 28.3 20.7 38.5

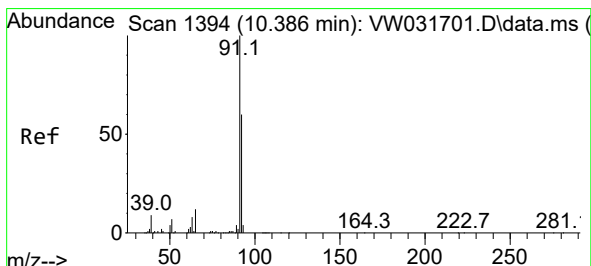
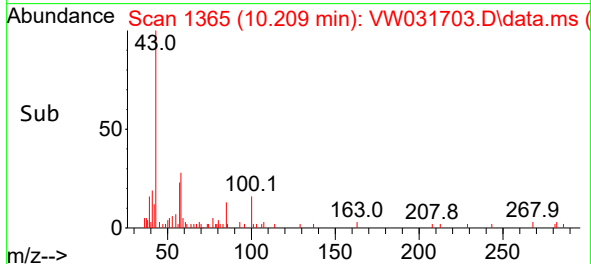
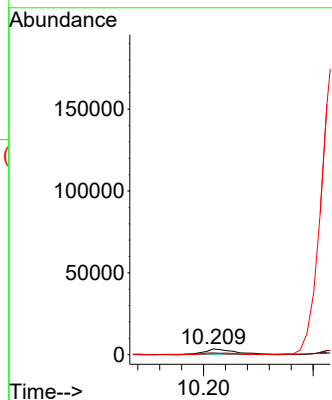
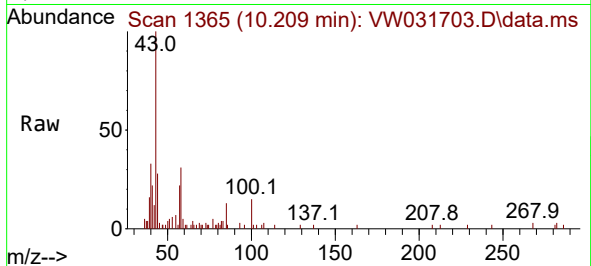




#40
4-Methyl-2-pentanone
Concen: 2.11 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

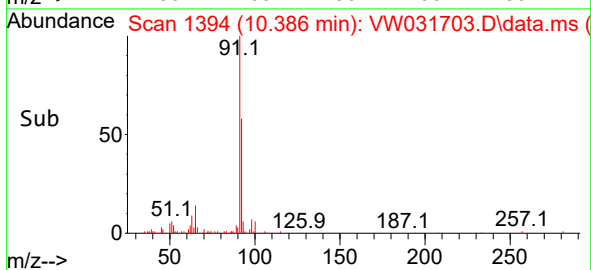
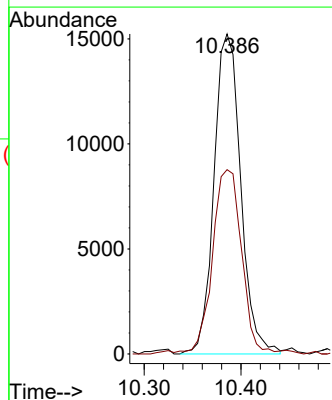
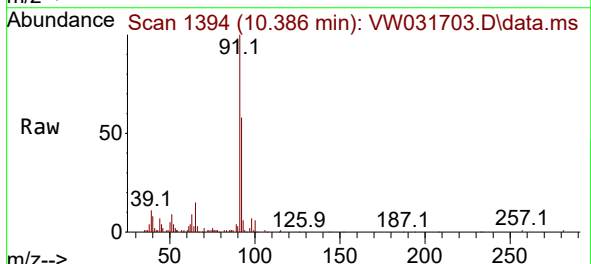
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

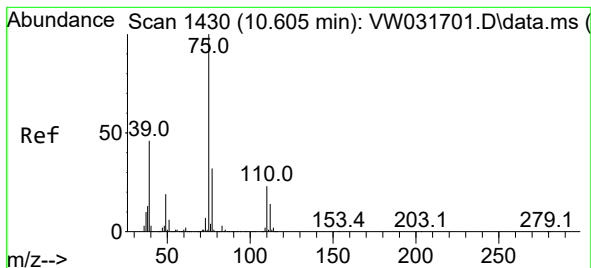
Tgt Ion: 43 Resp: 6449
Ion Ratio Lower Upper
43 100
58 38.4 31.0 46.6
100 14.2 11.9 17.9



#42
Toluene
Concen: 1.07 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

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

Instrument :

MSVOA_W

ClientSampleId :

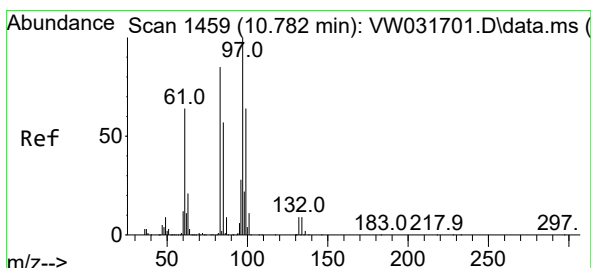
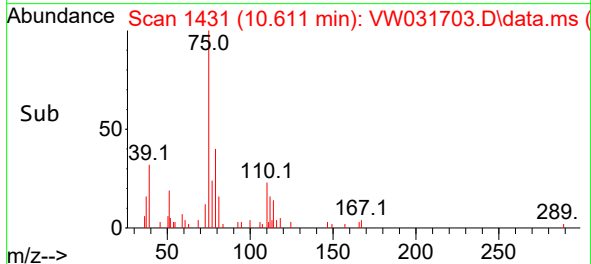
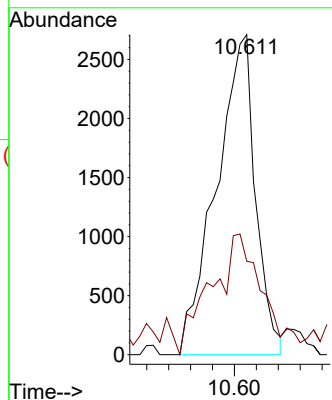
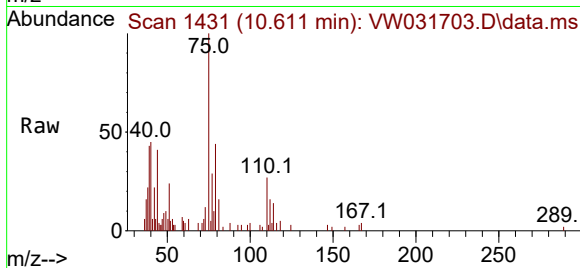
MDL-SOIL-QT1-2025-02

Tgt Ion: 75 Resp: 6741

Ion Ratio Lower Upper

75 100

77 29.2 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 1.23 ug/L m

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW031703.D

Acq: 09 May 2025 14:59

Tgt Ion: 97 Resp: 3515

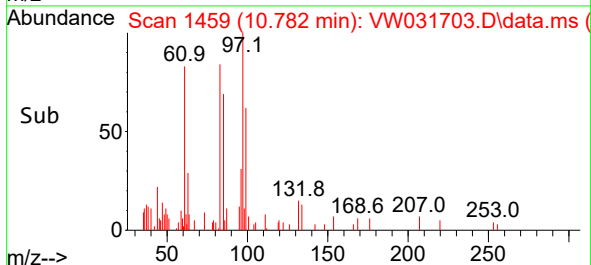
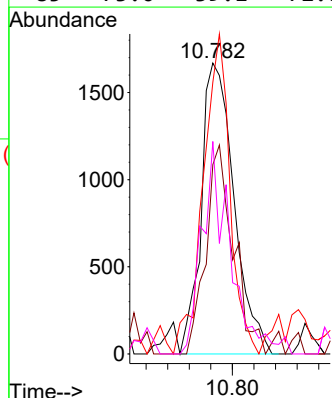
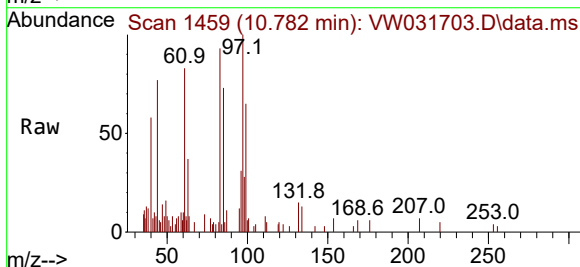
Ion Ratio Lower Upper

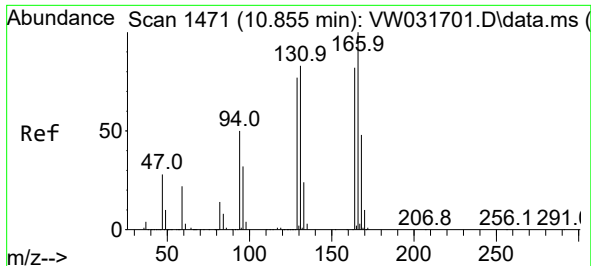
97 100

99 65.1 42.6 79.2

83 93.4 55.7 103.5

85 73.0 39.1 72.7#

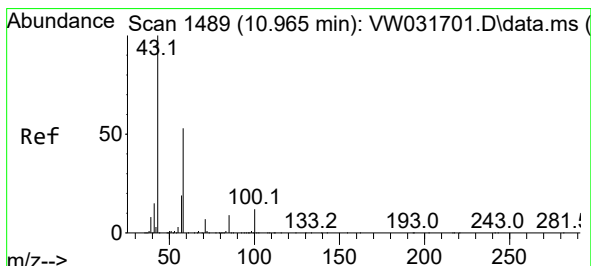
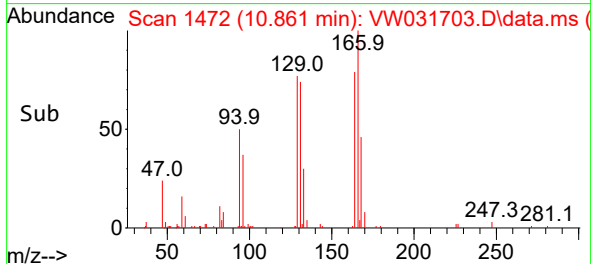
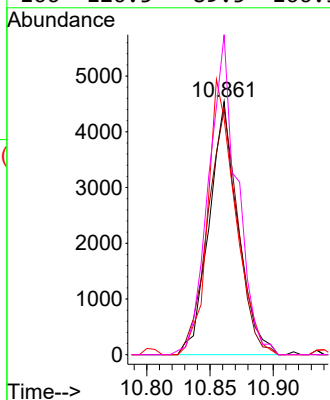
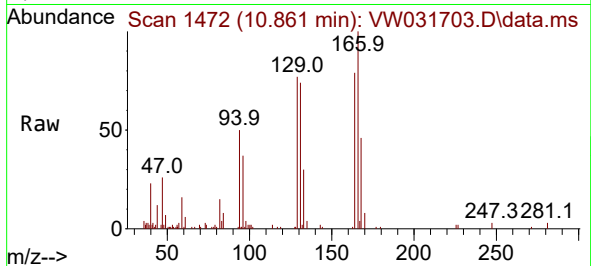




#46
Tetrachloroethene
Concen: 1.02 ug/L
RT: 10.861 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

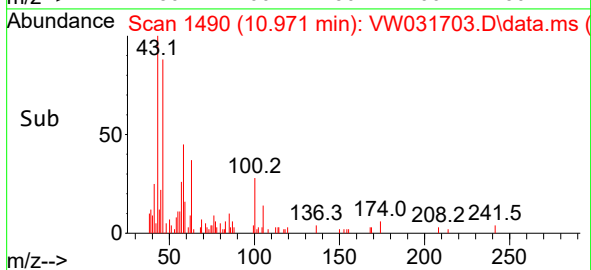
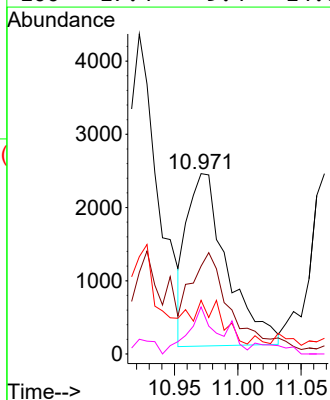
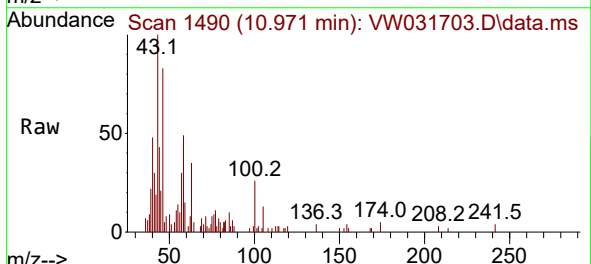
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

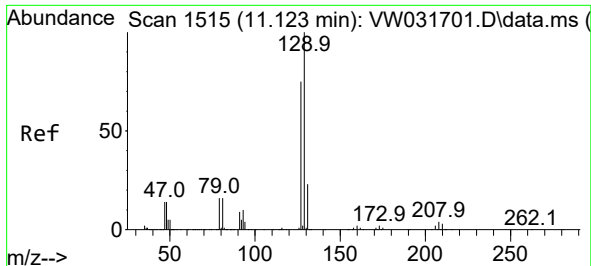
Tgt Ion:	164	Resp:	7184
Ion	Ratio	Lower	Upper
164	100		
129	97.0	72.2	134.0
131	93.3	66.6	123.8
166	126.5	89.5	166.3



#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 :

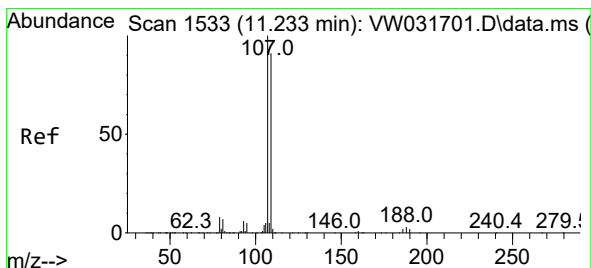
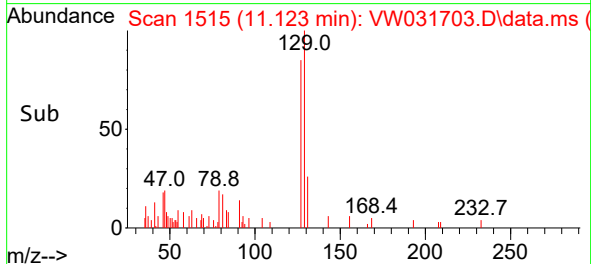
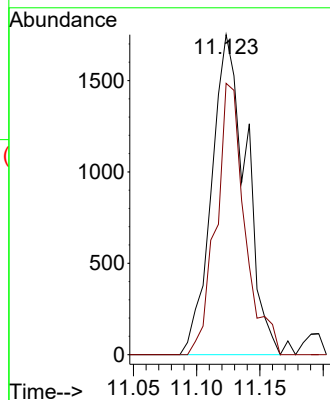
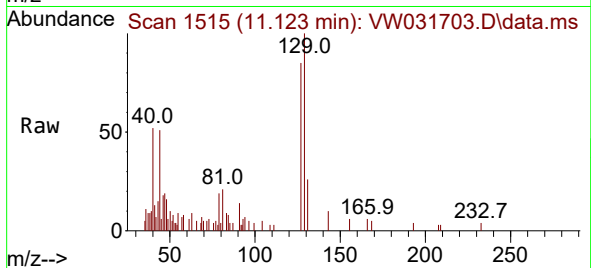
MDL-SOIL-QT1-2025-02

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

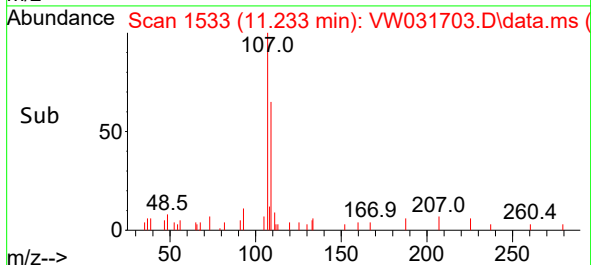
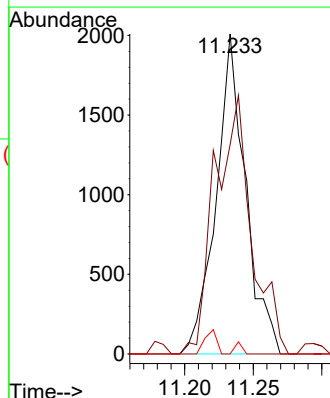
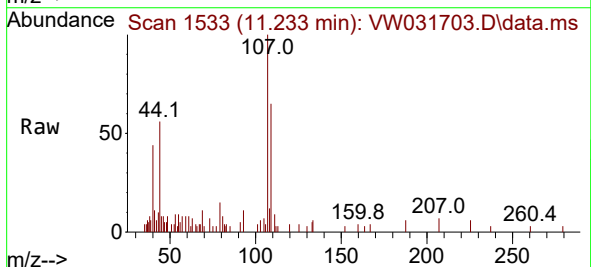
Tgt Ion:107 Resp: 3005

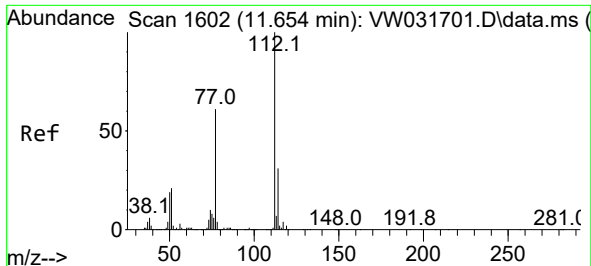
Ion Ratio Lower Upper

107 100

109 65.4 65.0 120.8

188 0.0 2.2 3.2#

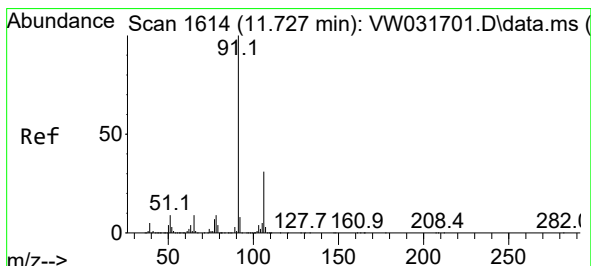
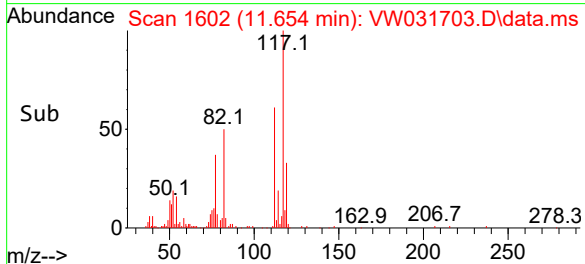
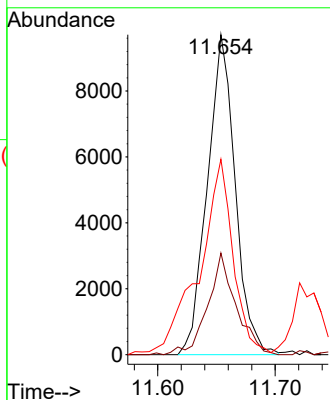
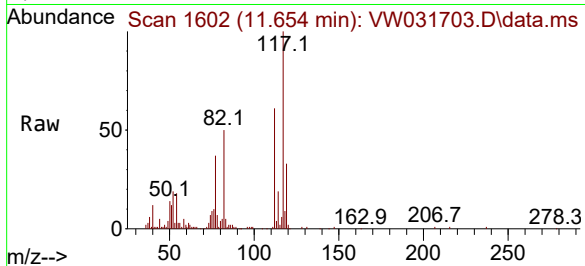




#51
Chlorobenzene
Concen: 1.18 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

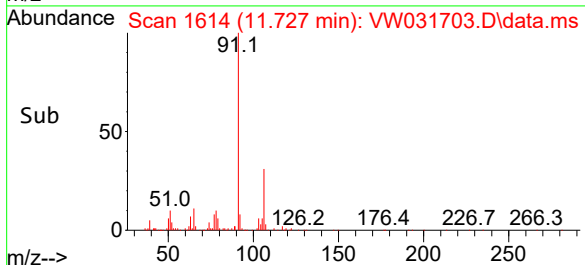
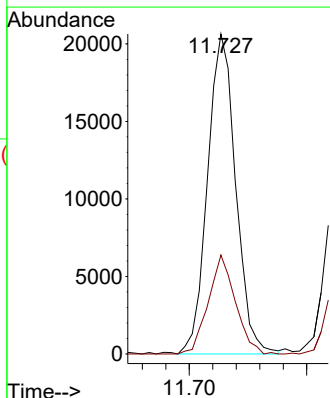
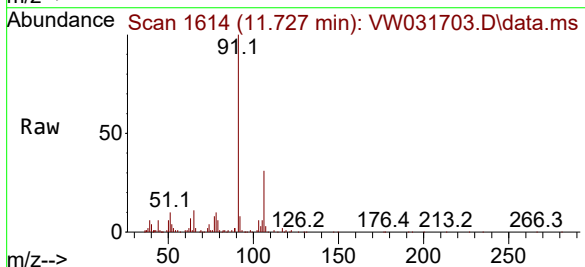
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

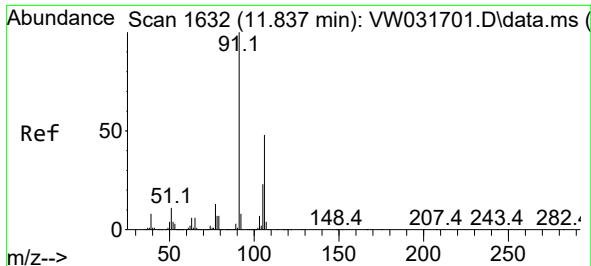
Tgt Ion:112 Resp: 16024
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 61.1 50.3 75.5



#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

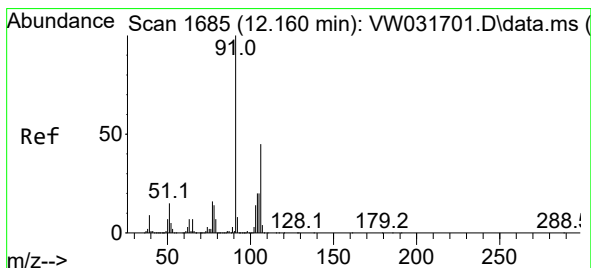
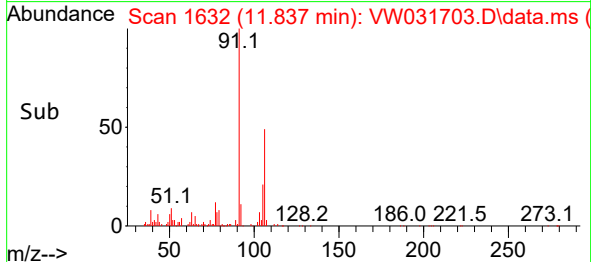
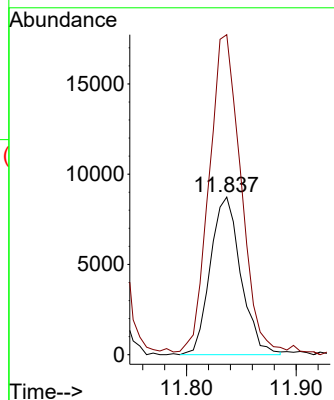
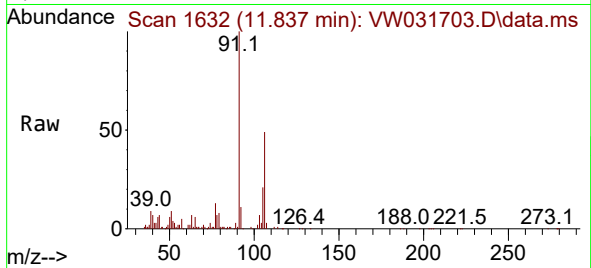




#53
m,p-Xylene
Concen: 1.43 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

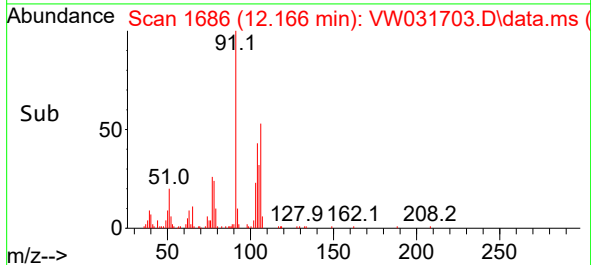
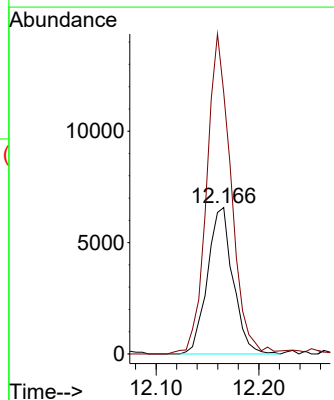
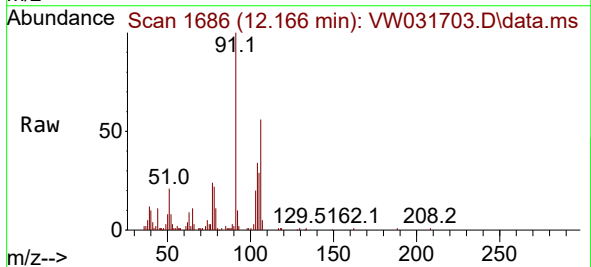
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

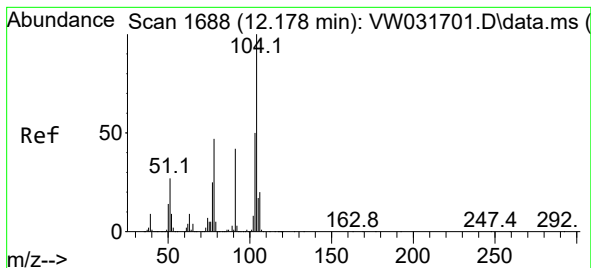
Tgt Ion:106 Resp: 16901
Ion Ratio Lower Upper
106 100
91 203.1 138.9 257.9



#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 :

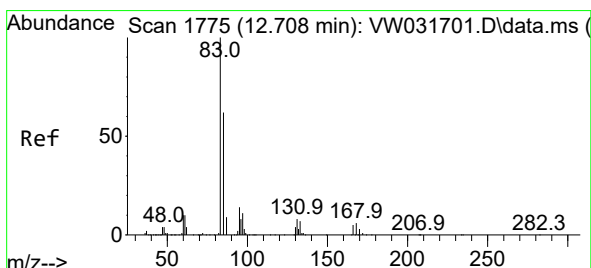
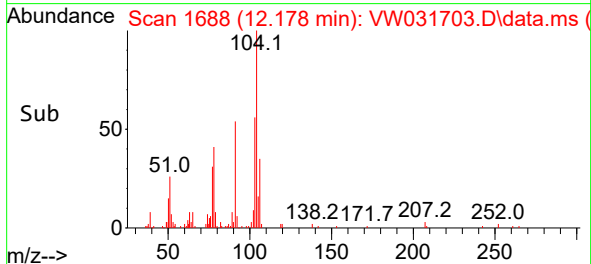
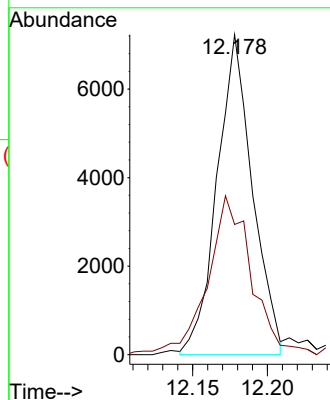
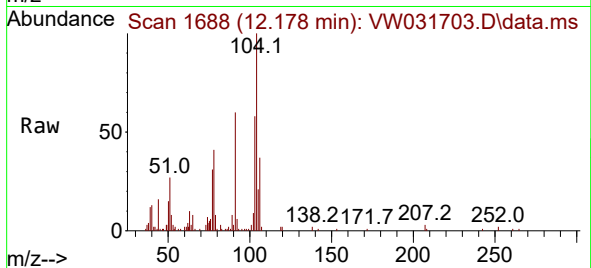
MDL-SOIL-QT1-2025-02

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

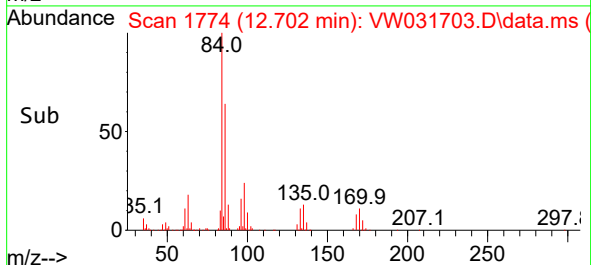
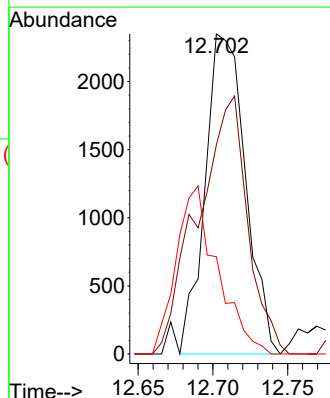
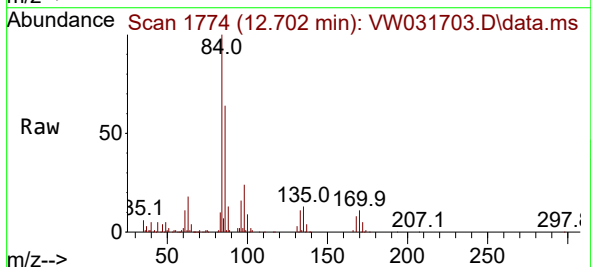
Tgt Ion: 83 Resp: 4418

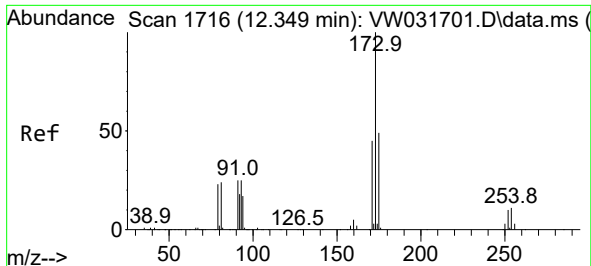
Ion Ratio Lower Upper

83 100

85 65.3 44.2 82.2

131 30.4 7.4 11.2#

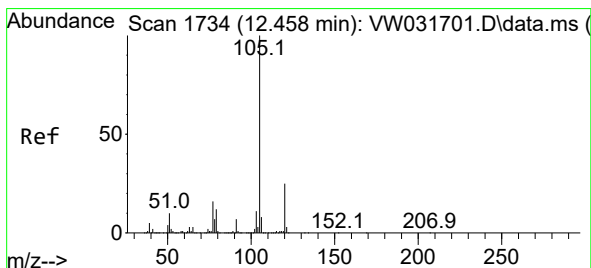
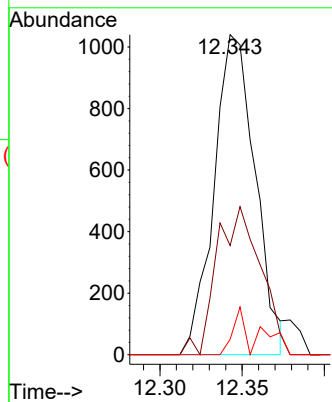
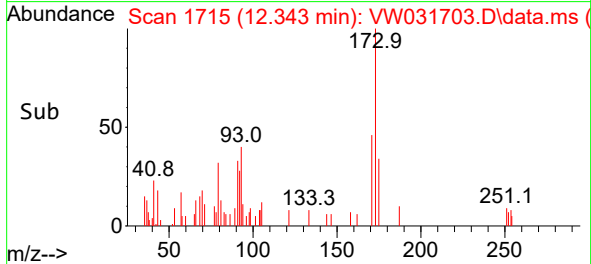
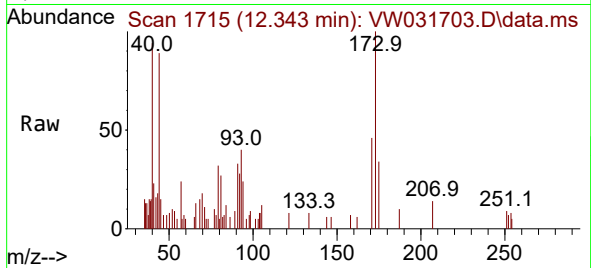




#59
Bromoform
Concen: 1.24 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

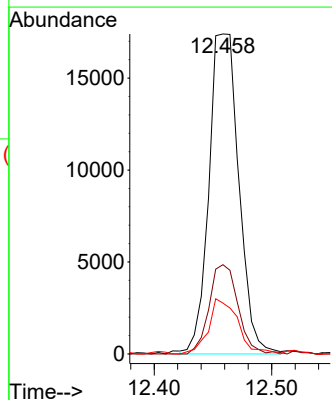
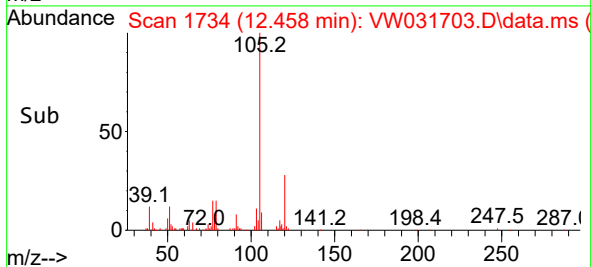
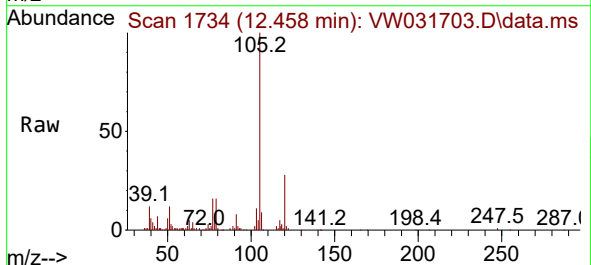
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

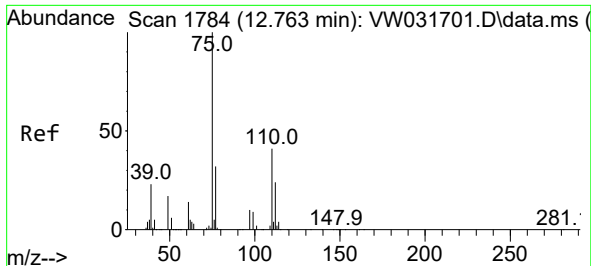
Tgt Ion:173 Resp: 1815
Ion Ratio Lower Upper
173 100
175 48.3 38.1 57.1
254 4.1 5.5 8.3#



#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

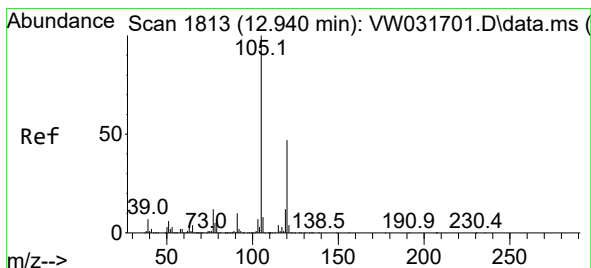
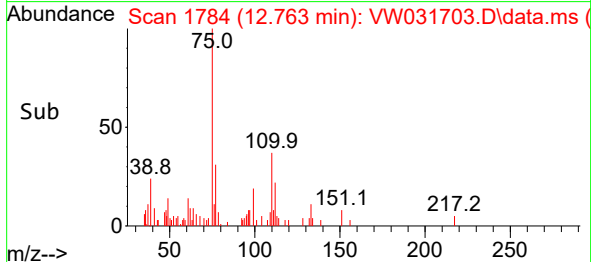
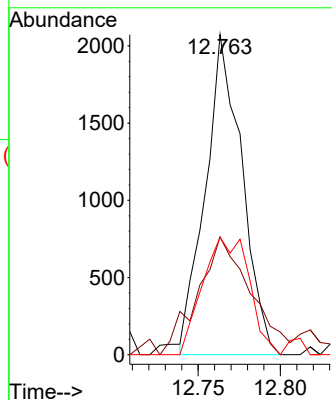
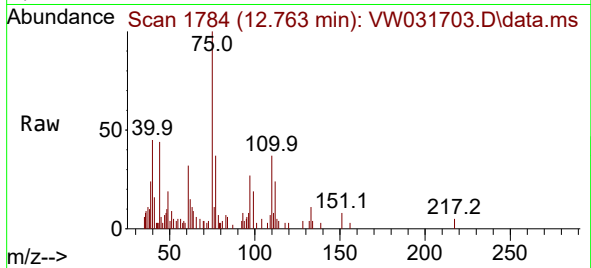
Instrument :

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

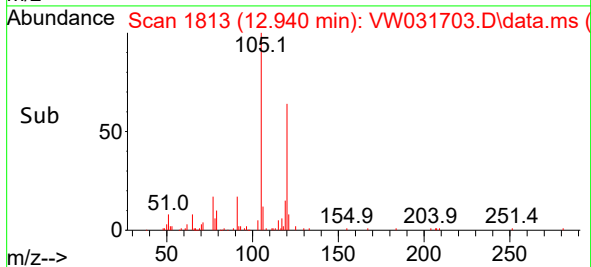
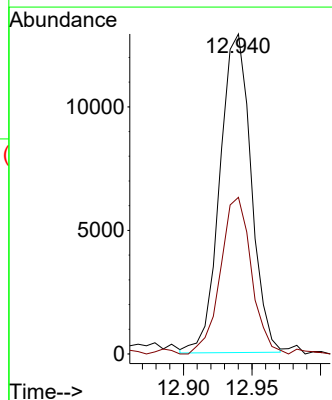
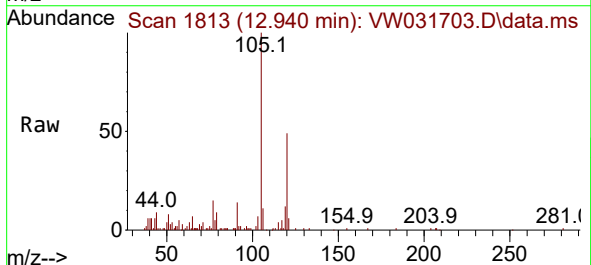
RT: 12.940 min Scan# 1813

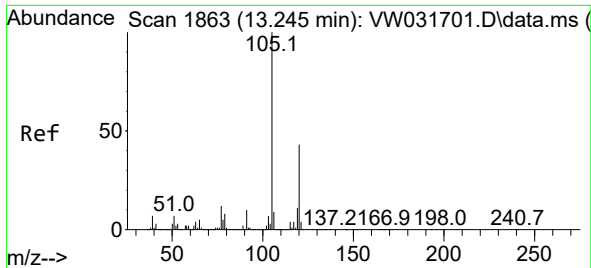
Delta R.T. -0.000 min

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

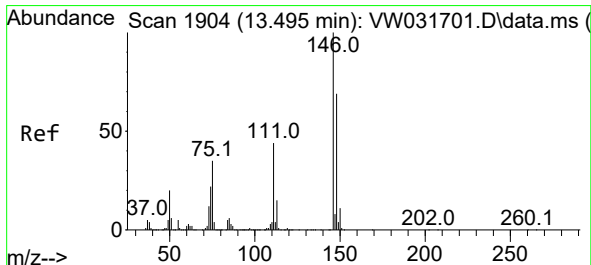
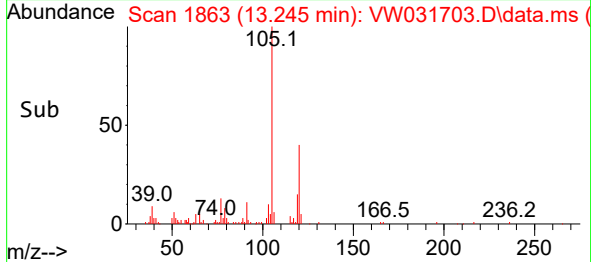
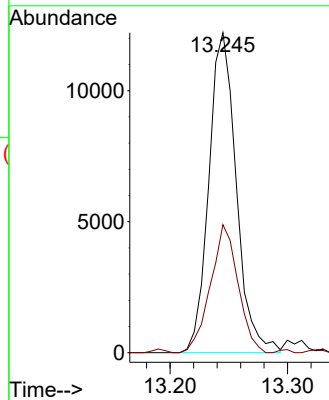
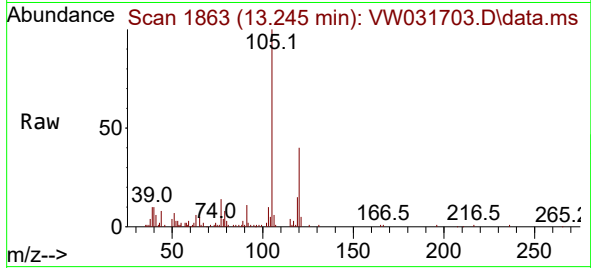




#63
1,2,4-Trimethylbenzene
Concen: 1.01 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031703.D
Acq: 09 May 2025 14:59

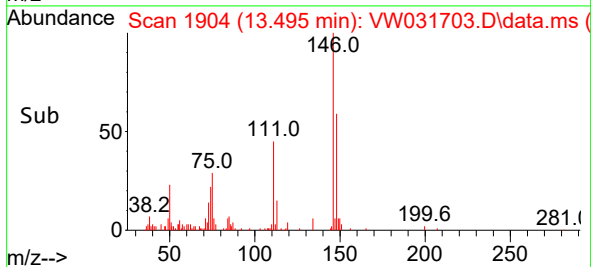
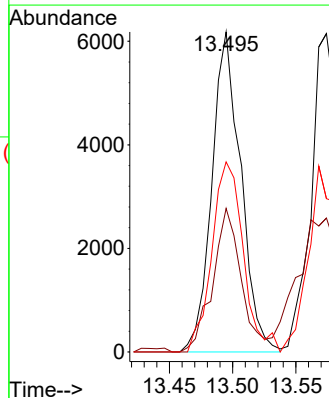
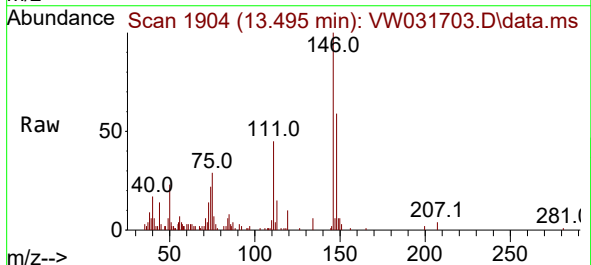
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2025-02

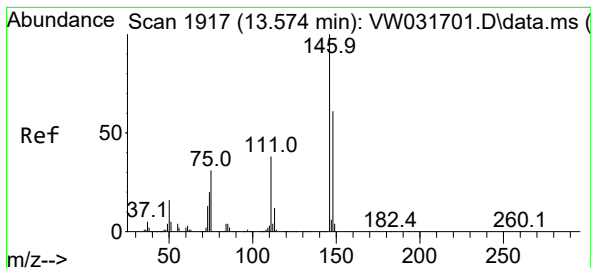
Tgt Ion:105 Resp: 19817
Ion Ratio Lower Upper
105 100
120 40.1 35.4 53.2



#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

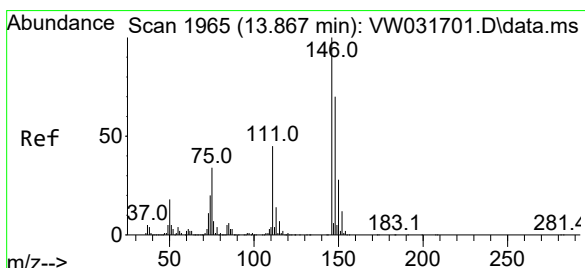
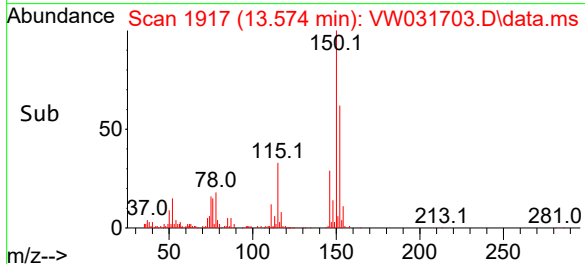
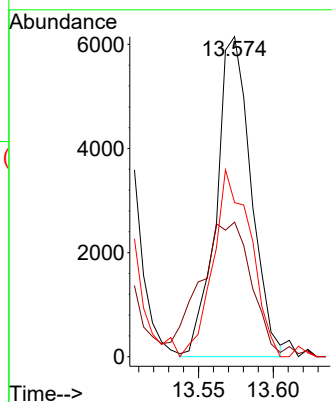
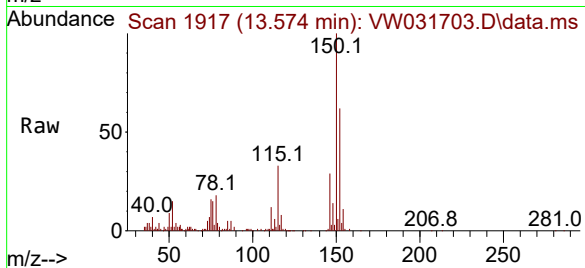
Tgt Ion:146 Resp: 9939

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

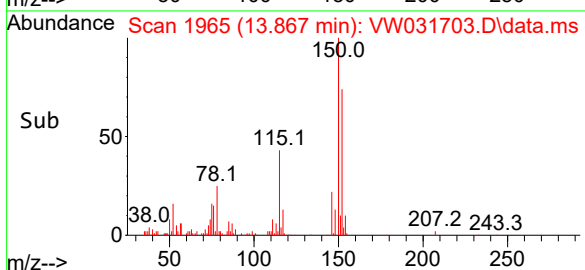
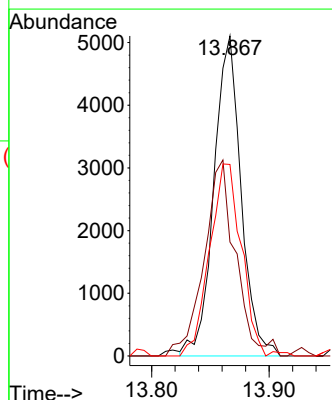
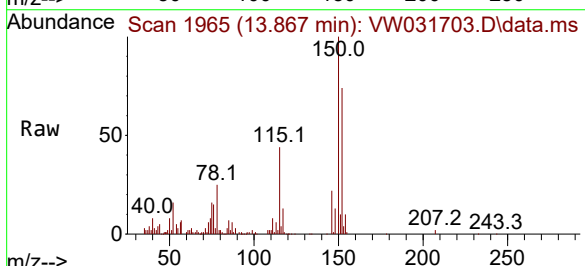
Tgt Ion:146 Resp: 8220

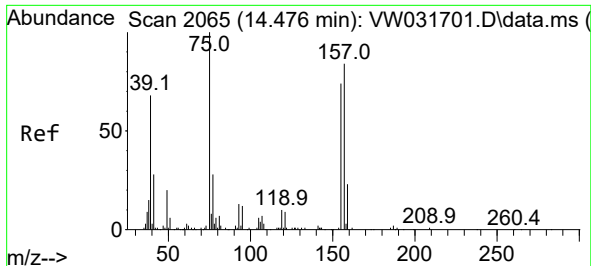
Ion Ratio Lower Upper

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# 2065

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

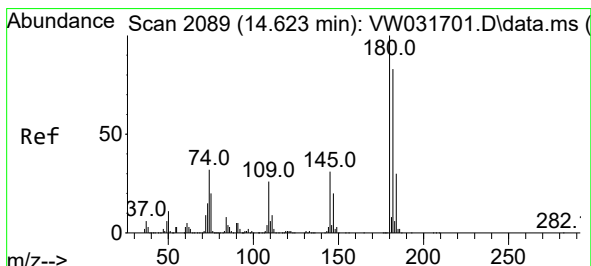
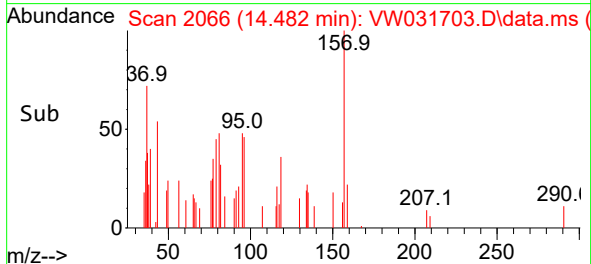
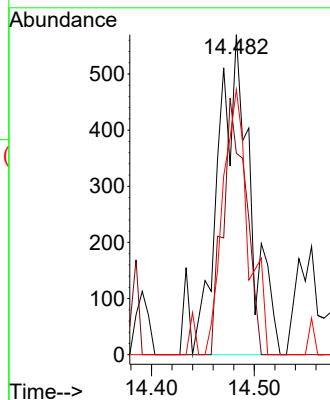
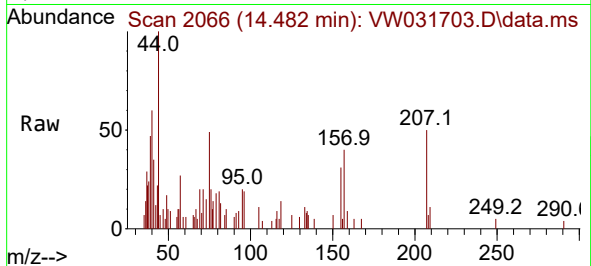
Tgt Ion: 75 Resp: 1284

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

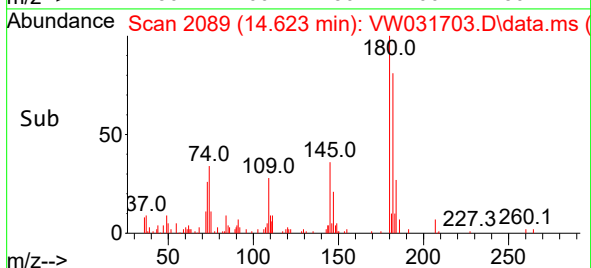
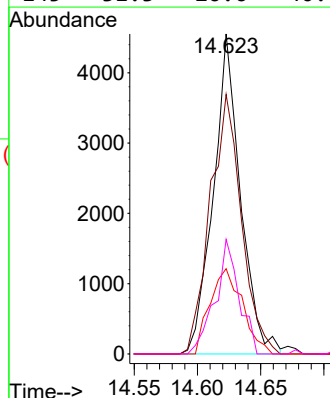
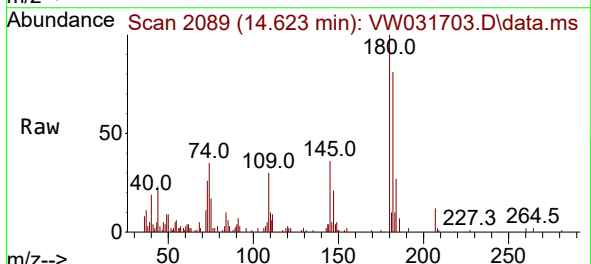
Ion Ratio Lower Upper

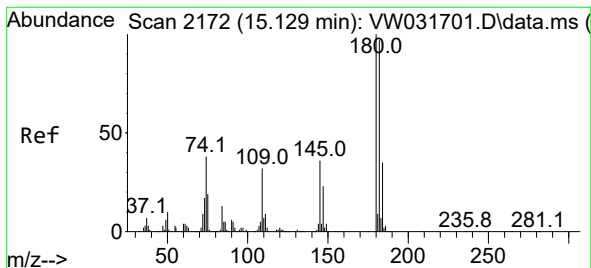
180 100

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

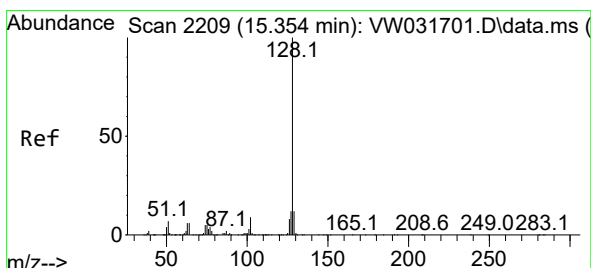
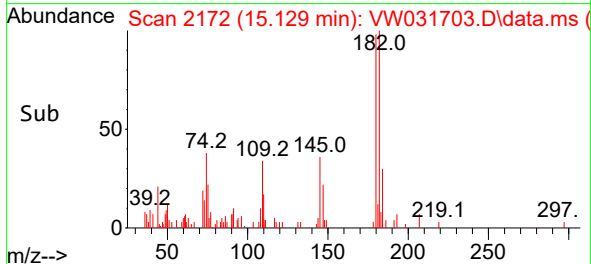
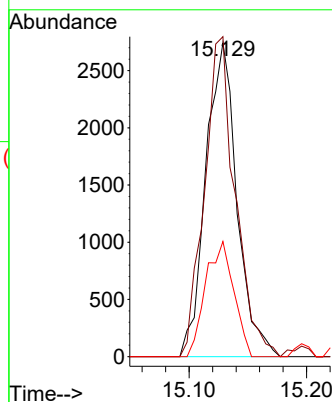
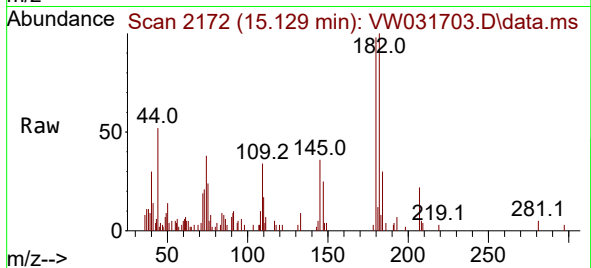
Tgt Ion:180 Resp: 5063

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

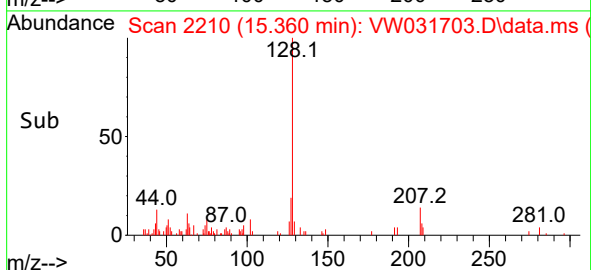
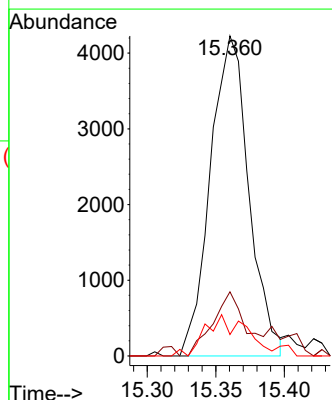
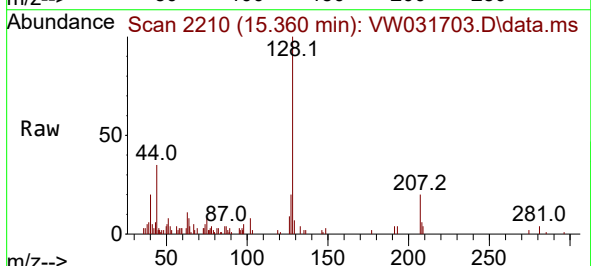
Tgt Ion:128 Resp: 8268

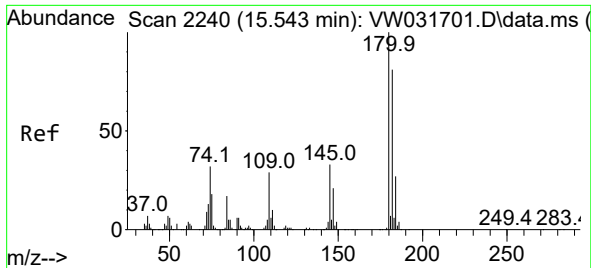
Ion Ratio Lower Upper

128 100

127 17.2 10.6 16.0#

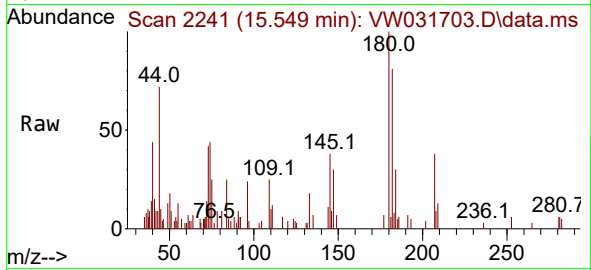
129 7.7 8.6 12.8#





#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#

