

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040723\
 Data File : VW025563.D
 Acq On : 07 Apr 2023 10:20
 Operator : SY/MD
 Sample : 02215-03 MDL 1.PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2023-03DL

Quant Time: Apr 07 23:04:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 04 03:07:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	775253	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	689249	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	322959	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	246244	19.519	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.080%
7) Chloroethane-d5	2.899	69	180962	20.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	4.027	63	399248	15.649	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.600%
21) 2-Butanone-d5	7.075	46	145487	51.694	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.380%
24) Chloroform-d	7.648	84	479017	22.006	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.040%
26) 1,2-Dichloroethane-d4	8.306	65	266198	23.507	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.040%
32) Benzene-d6	8.276	84	1004449	22.506	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.040%
36) 1,2-Dichloropropane-d6	9.270	67	316010	22.709	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.840%
41) Toluene-d8	10.324	98	868337	22.274	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.080%
43) trans-1,3-Dichloroprop...	10.574	79	115984	22.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.920%
47) 2-Hexanone-d5	10.922	63	96399	50.681	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.360%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	228066	24.282	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.120%
66) 1,2-Dichlorobenzene-d4	13.848	152	268675	24.215	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	9490	0.875	ug/L #	74
3) Chloromethane	2.216	50	12425	0.988	ug/L	88
6) Bromomethane	2.789	94	8527	1.140	ug/L	92
8) Chloroethane	2.929	64	9098	1.168	ug/L	89
9) Trichlorofluoromethane	3.271	101	9138	0.853	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	15704	1.461	ug/L #	84
12) 1,1-Dichloroethene	4.045	96	13380	1.244	ug/L #	1
13) Acetone	4.124	43	8376	3.516	ug/L	51
14) Carbon disulfide	4.392	76	41582	1.095	ug/L	98
15) Methyl Acetate	4.679	43	6584	1.230	ug/L #	80
16) Methylene chloride	4.923	84	29514	2.395	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	18364	1.163	ug/L #	86
19) 1,1-Dichloroethane	6.221	63	26486	1.159	ug/L	94
20) cis-1,2-Dichloroethene	7.172	96	14218	1.195	ug/L #	92
23) Bromochloromethane	7.514	128	6482	1.328	ug/L #	85
25) Chloroform	7.678	83	27034	1.293	ug/L	97
27) 1,2-Dichloroethane	8.398	62	18546	1.322	ug/L	96
29) Cyclohexane	7.959	56	22285	0.999	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	19849	1.159	ug/L	96

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	8.063	117	17965	1.162	ug/L	99
33) Benzene	8.319	78	57926	1.207	ug/L	100
34) Trichloroethene	9.093	95	14902	1.194	ug/L	96
35) Methylcyclohexane	9.337	83	22684	1.007	ug/L	94
37) 1,2-Dichloropropane	9.367	63	15531	1.226	ug/L #	97
38) Bromodichloromethane	9.642	83	18164	1.253	ug/L	92
39) cis-1,3-Dichloropropene	10.068	75	21866	1.203	ug/L	100
40) 4-Methyl-2-pentanone	10.208	43	18115	2.526	ug/L #	96
42) Toluene	10.385	91	58022	1.188	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	22813	1.522	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	9937	1.230	ug/L	98
46) Tetrachloroethene	10.861	164	10212	1.164	ug/L	94
48) 2-Hexanone	10.964	43	13851	2.795	ug/L #	98
49) Dibromochloromethane	11.129	129	10317	1.213	ug/L	91
50) 1,2-Dibromoethane	11.233	107	9532	1.284	ug/L #	95
51) Chlorobenzene	11.653	112	36352	1.208	ug/L	98
52) Ethylbenzene	11.727	91	61377	1.110	ug/L	94
53) m,p-Xylene	11.836	106	21709	1.071	ug/L	96
54) o-Xylene	12.165	106	19032	1.004	ug/L	95
55) Styrene	12.178	104	31941	1.001	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	13667	1.412	ug/L #	91
59) Bromoform	12.348	173	5827	1.317	ug/L #	93
60) Isopropylbenzene	12.464	105	52143	1.031	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	9835	1.469	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	39184	0.981	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	37946	0.987	ug/L	98
64) 1,3-Dichlorobenzene	13.494	146	25289	1.206	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	27862	1.301	ug/L	92
67) 1,2-Dichlorobenzene	13.866	146	25386	1.381	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	2504	1.705	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.622	180	17361	1.237	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	13739	1.205	ug/L	95
71) Naphthalene	15.360	128	23549	1.107	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	13097	1.314	ug/L	97

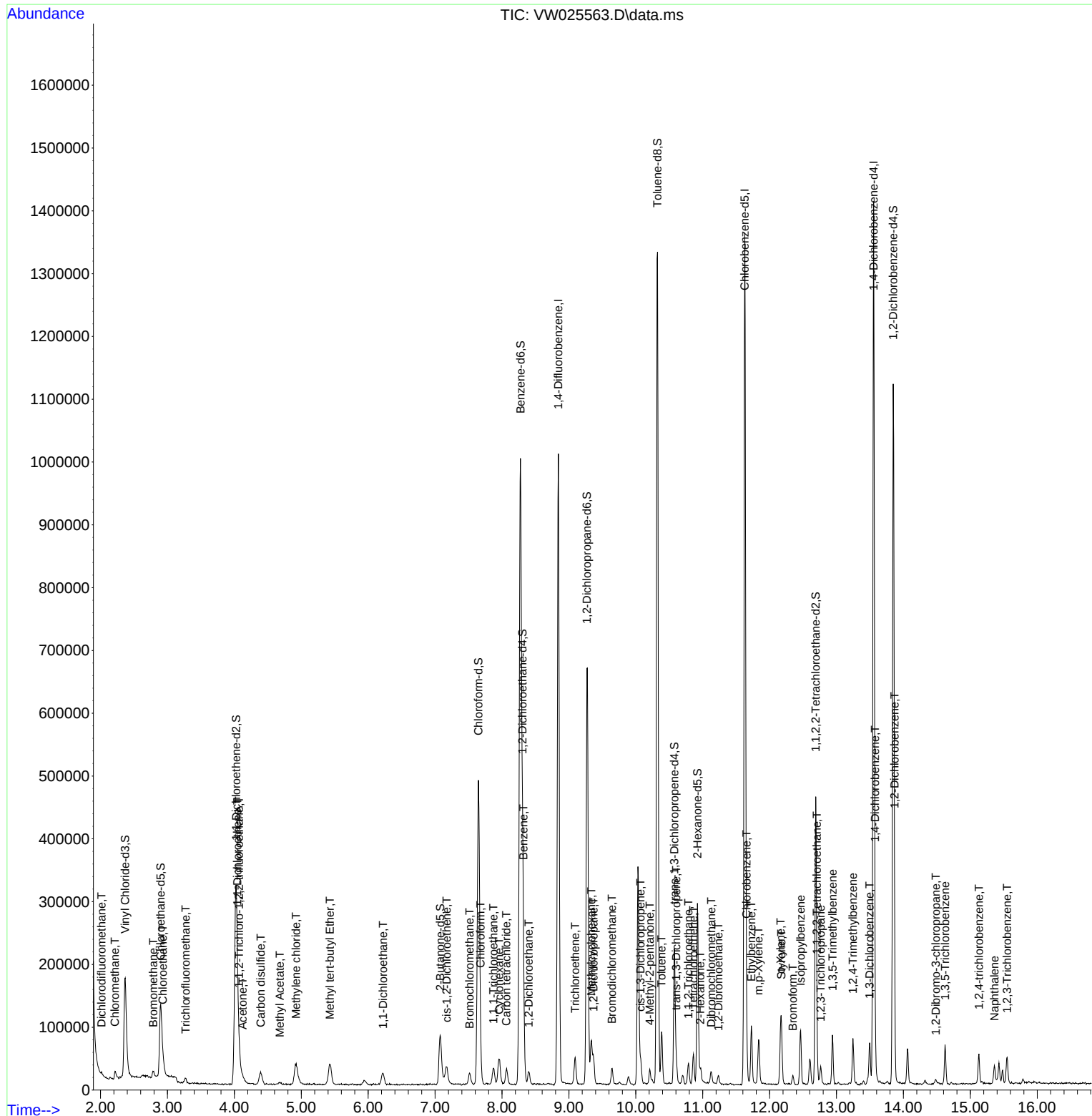
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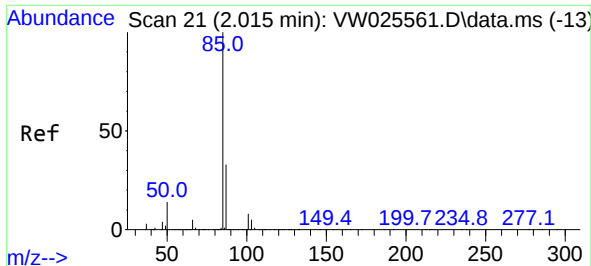
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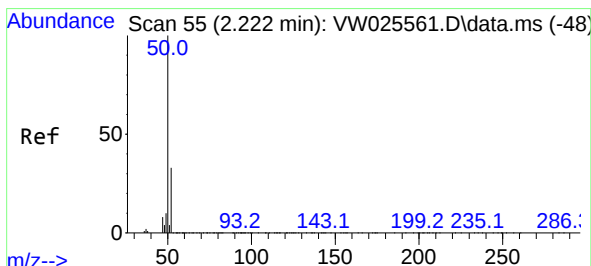
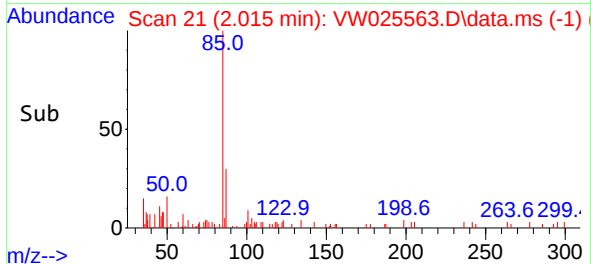
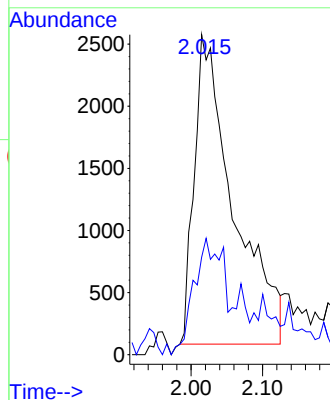
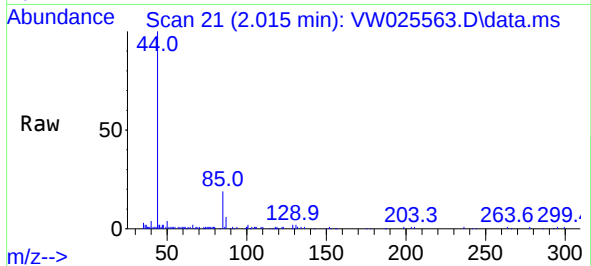




#2
Dichlorodifluoromethane
Concen: 0.875 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

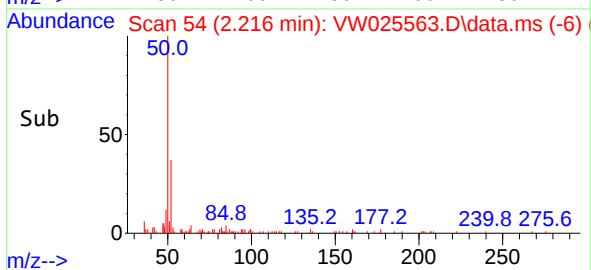
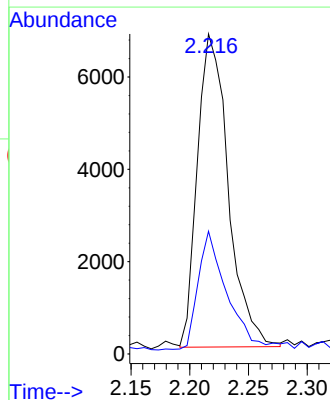
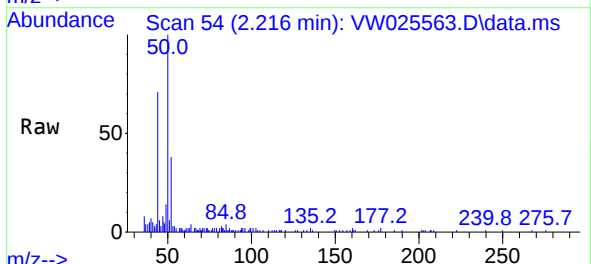
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

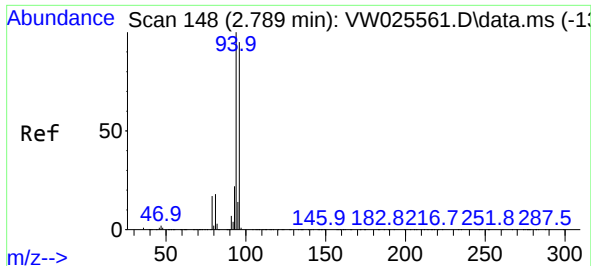
Tgt Ion: 85 Resp: 9490
Ion Ratio Lower Upper
85 100
87 16.7 24.6 37.0#



#3
Chloromethane
Concen: 0.988 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.007 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 50 Resp: 12425
Ion Ratio Lower Upper
50 100
52 38.4 22.2 41.2

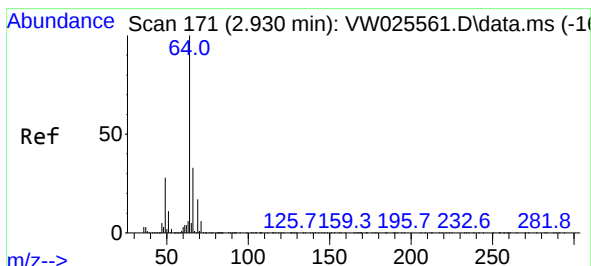
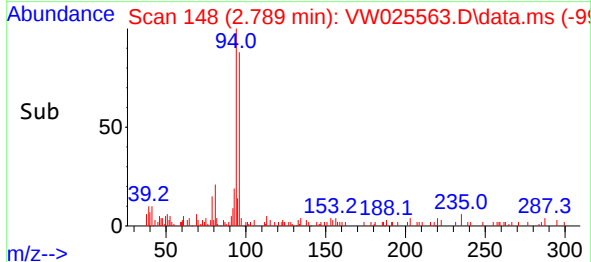
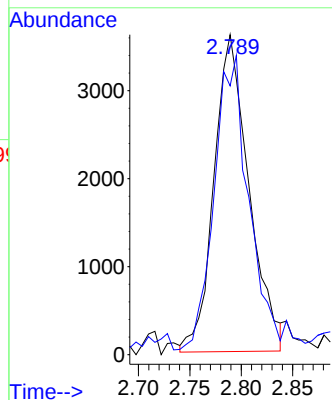
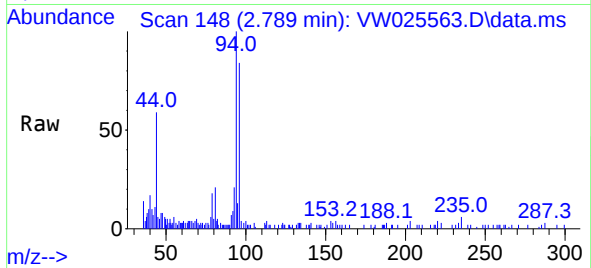




#6
Bromomethane
Concen: 1.140 ug/L
RT: 2.789 min Scan# 148
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

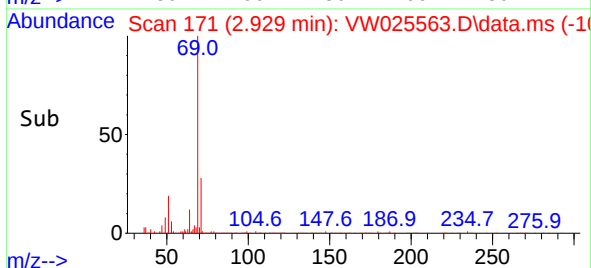
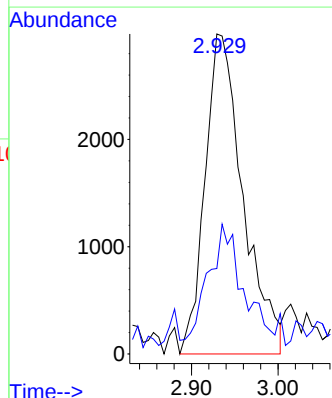
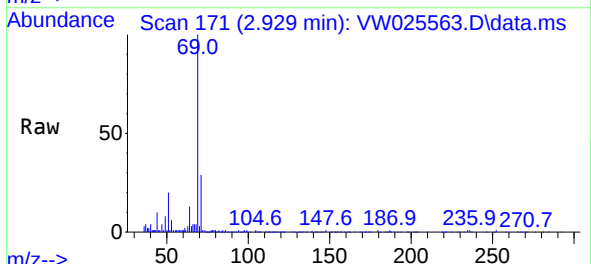
Instrument :
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ClientSampleId :
MDL-SOIL-QT2-2023-03DL

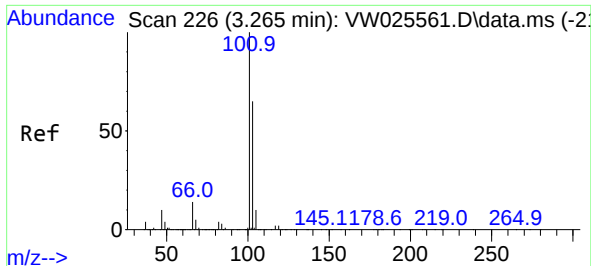
Tgt Ion: 94 Resp: 8527
Ion Ratio Lower Upper
94 100
96 84.0 64.0 118.8



#8
Chloroethane
Concen: 1.168 ug/L
RT: 2.929 min Scan# 171
Delta R.T. -0.007 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 64 Resp: 9098
Ion Ratio Lower Upper
64 100
66 26.7 22.9 42.5

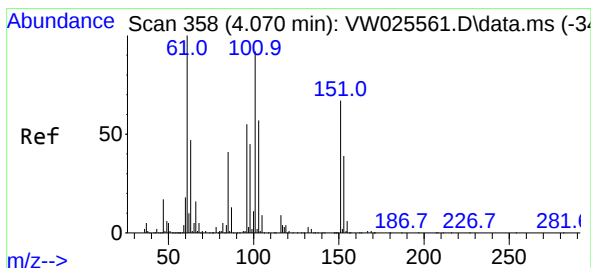
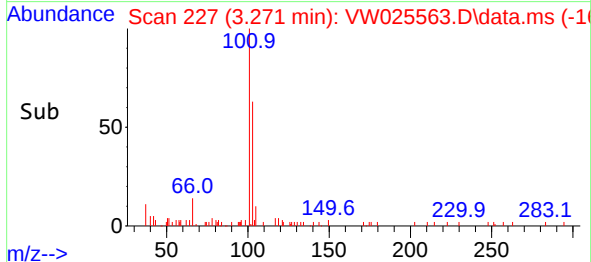
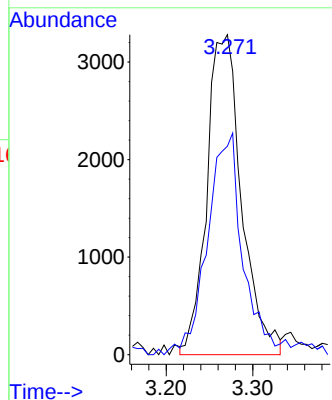
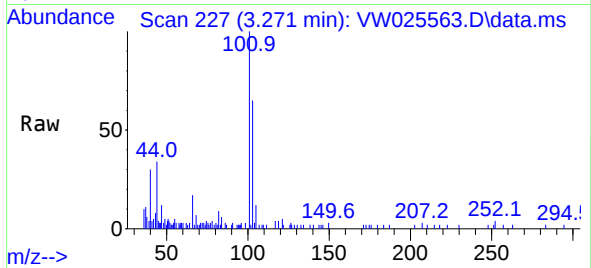




#9
 Trichlorofluoromethane
 Concen: 0.853 ug/L
 RT: 3.271 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025563.D
 Acq: 07 Apr 2023 10:20

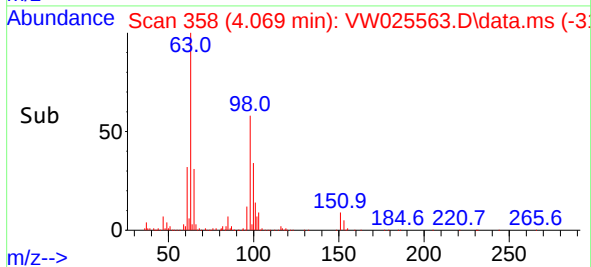
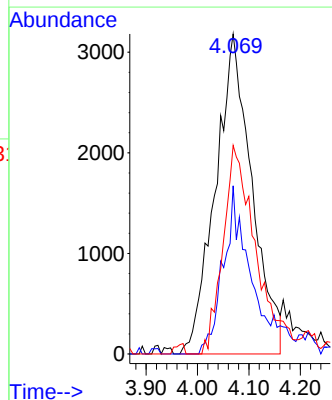
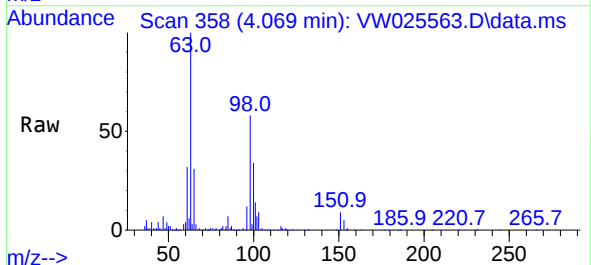
Instrument :
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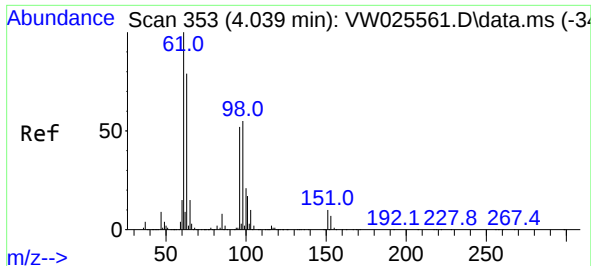
Tgt Ion:101 Resp: 9138
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.3 78.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.461 ug/L
 RT: 4.069 min Scan# 358
 Delta R.T. -0.013 min
 Lab File: VW025563.D
 Acq: 07 Apr 2023 10:20

Tgt Ion:101 Resp: 15704
 Ion Ratio Lower Upper
 101 100
 85 36.5 34.5 51.7
 151 52.3 54.8 82.2#

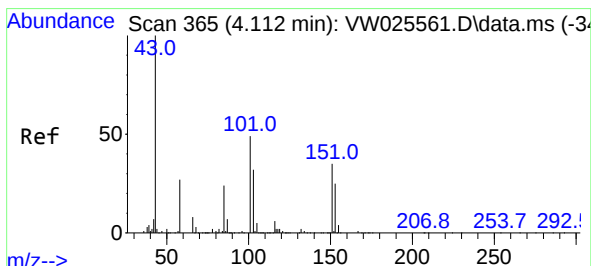
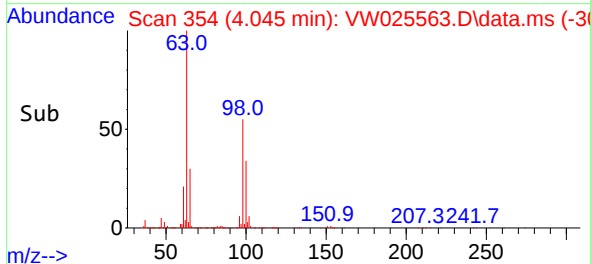
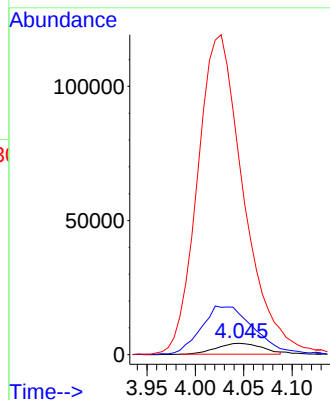
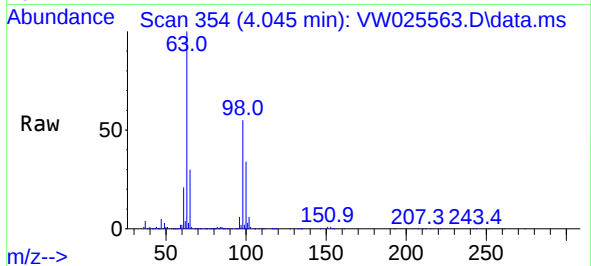




#12
1,1-Dichloroethene
Concen: 1.244 ug/L
RT: 4.045 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

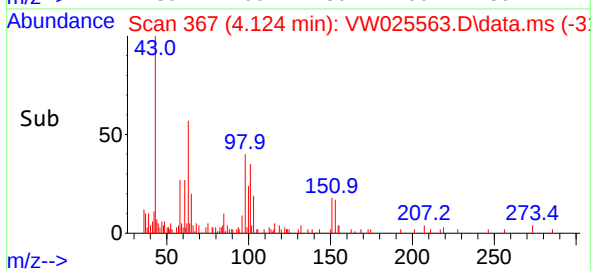
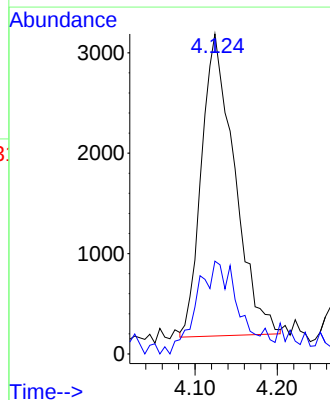
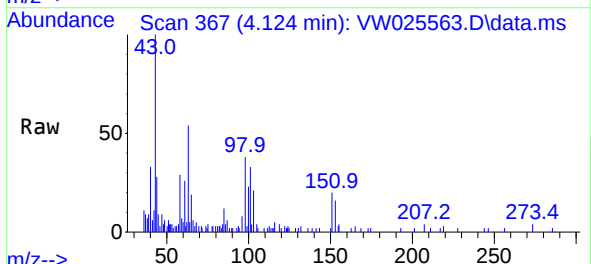
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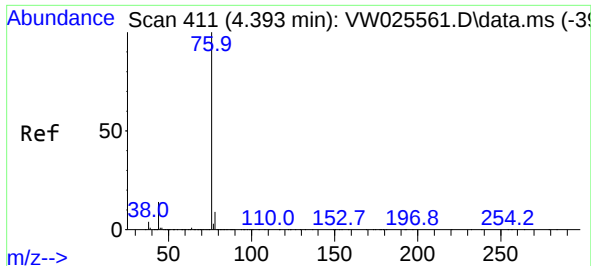
Tgt Ion: 96 Resp: 13380
Ion Ratio Lower Upper
96 100
61 359.9 132.7 246.4#
63 1717.2 105.0 195.0#



#13
Acetone
Concen: 3.516 ug/L
RT: 4.124 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 43 Resp: 8376
Ion Ratio Lower Upper
43 100
58 2.5 0.0 57.4

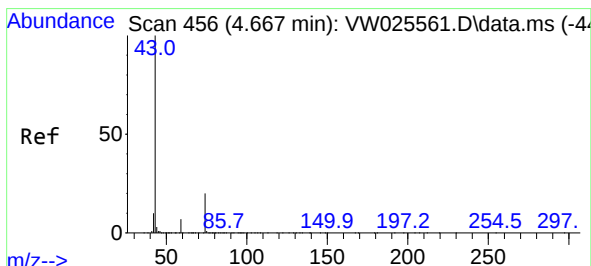
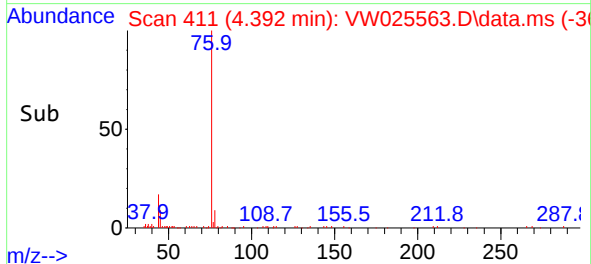
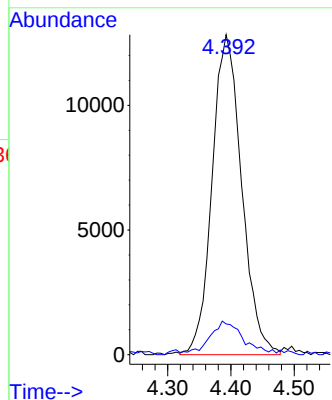
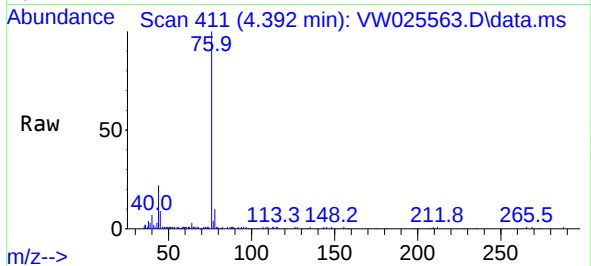




#14
Carbon disulfide
Concen: 1.095 ug/L
RT: 4.392 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

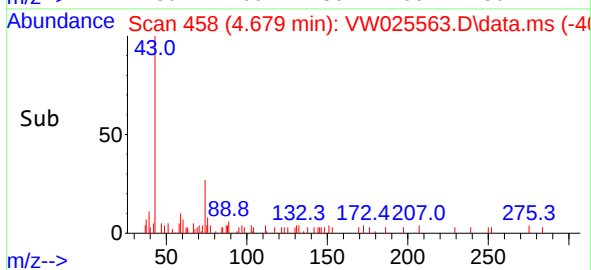
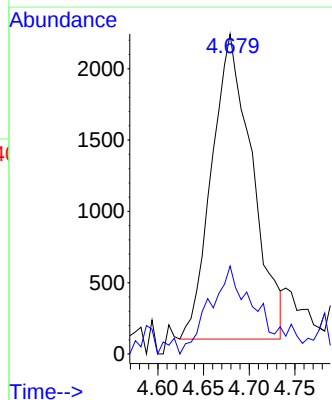
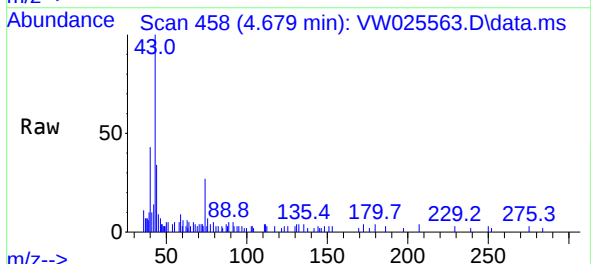
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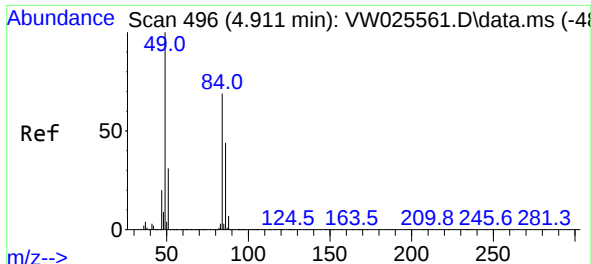
Tgt Ion: 76 Resp: 41582
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#15
Methyl Acetate
Concen: 1.230 ug/L
RT: 4.679 min Scan# 458
Delta R.T. 0.006 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 43 Resp: 6584
Ion Ratio Lower Upper
43 100
74 11.6 17.0 25.4#

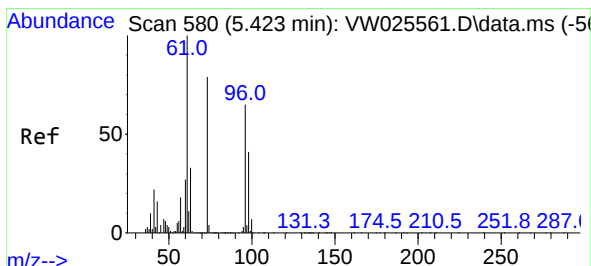
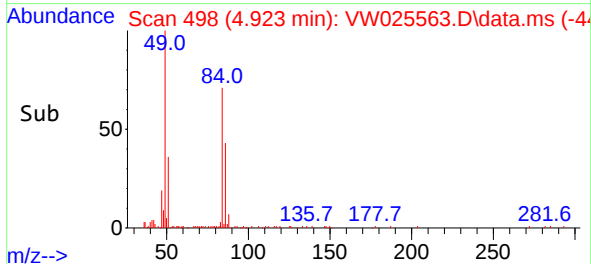
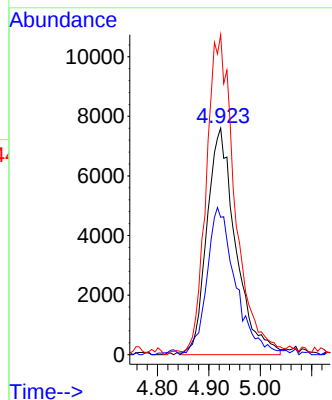
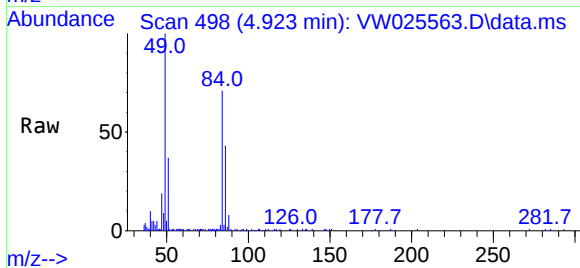




#16
Methylene chloride
Concen: 2.395 ug/L
RT: 4.923 min Scan# 49
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

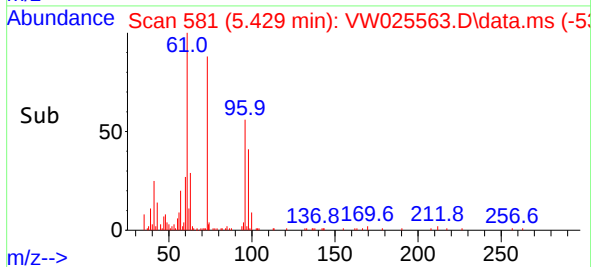
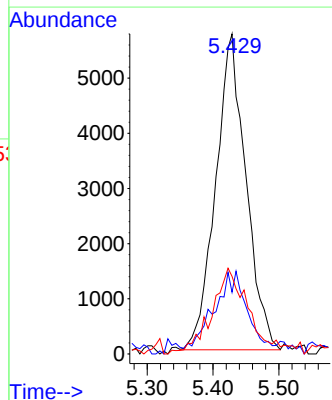
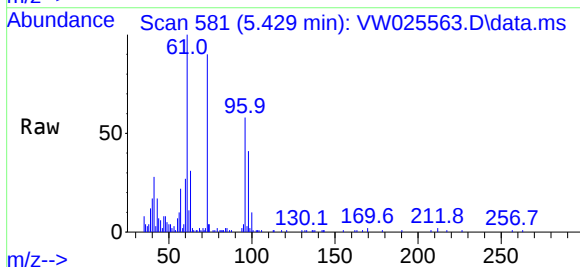
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

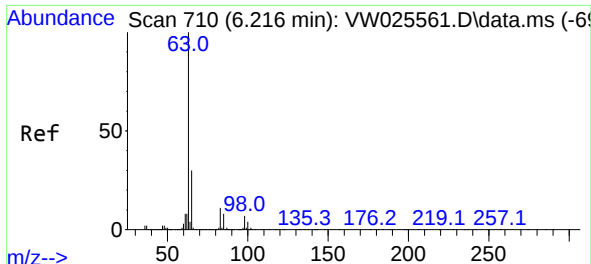
Tgt Ion: 84 Resp: 29514
Ion Ratio Lower Upper
84 100
86 60.7 44.9 83.3
49 141.3 101.4 188.4



#18
Methyl tert-butyl Ether
Concen: 1.163 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 73 Resp: 18364
Ion Ratio Lower Upper
73 100
43 23.3 17.8 26.6
57 11.3 19.0 28.6#





#19

1,1-Dichloroethane

Concen: 1.159 ug/L

RT: 6.221 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW025563.D

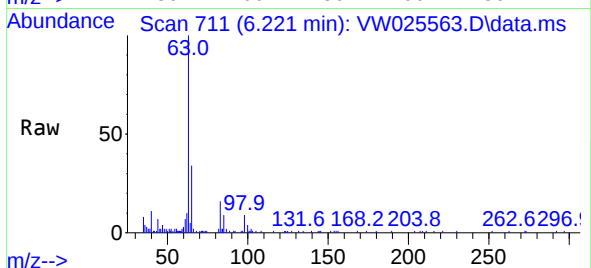
Acq: 07 Apr 2023 10:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-03DL



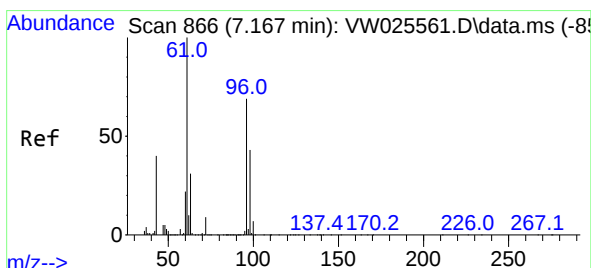
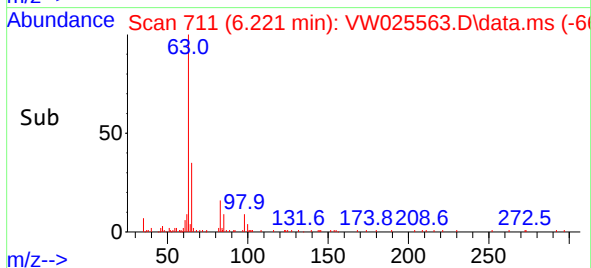
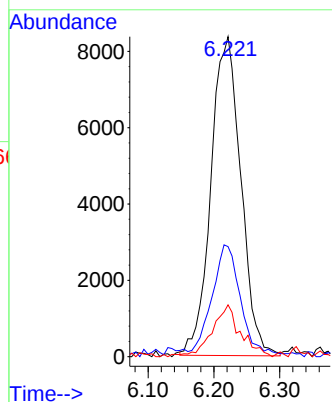
Tgt Ion: 63 Resp: 26486

Ion Ratio Lower Upper

63 100

65 34.4 21.9 40.7

83 16.2 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 1.195 ug/L

RT: 7.172 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

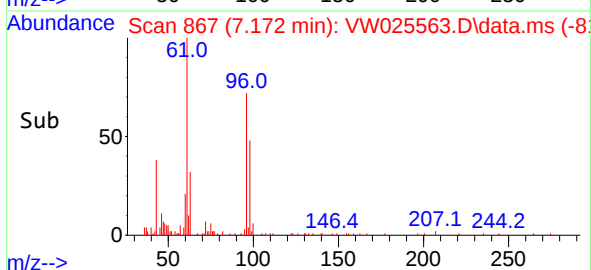
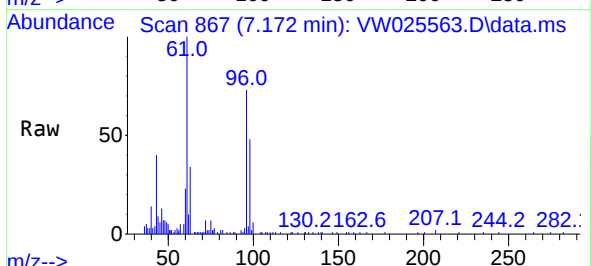
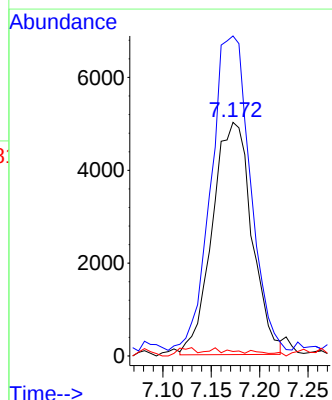
Tgt Ion: 96 Resp: 14218

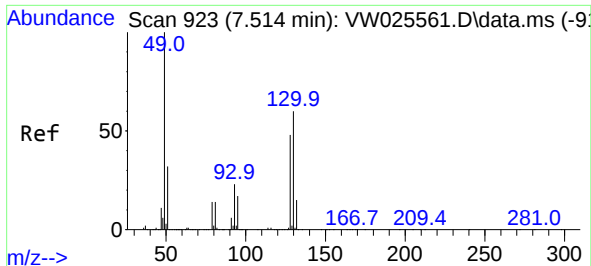
Ion Ratio Lower Upper

96 100

61 136.9 102.6 190.6

68 1.9 0.1 0.1

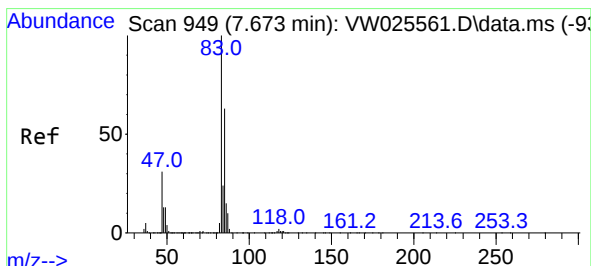
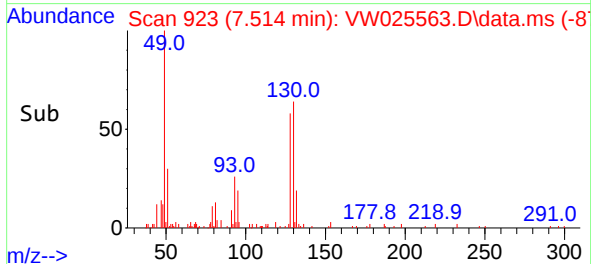
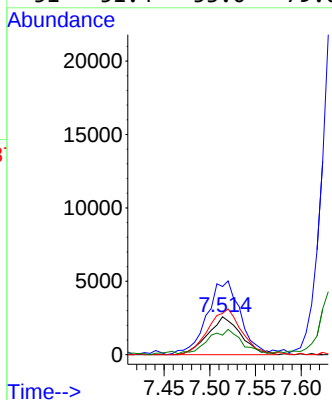
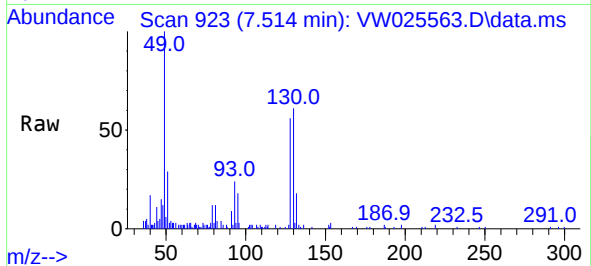




#23
Bromochloromethane
Concen: 1.328 ug/L
RT: 7.514 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

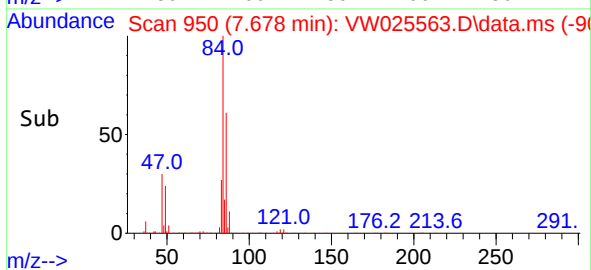
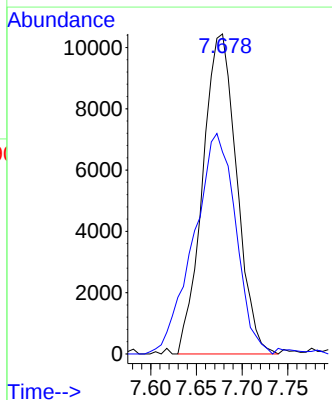
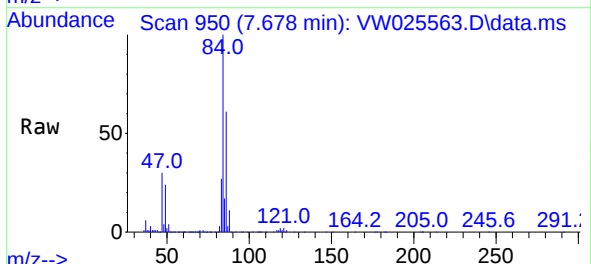
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

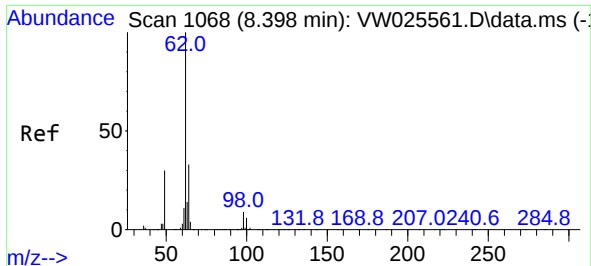
Tgt Ion:	128	Resp:	6482
Ion	Ratio	Lower	Upper
128	100		
49	179.4	141.7	263.3
130	108.7	86.7	160.9
51	51.4	53.0	79.6



#25
Chloroform
Concen: 1.293 ug/L
RT: 7.678 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:	83	Resp:	27034
Ion	Ratio	Lower	Upper
83	100		
85	63.1	45.8	85.2





#27

1,2-Dichloroethane

Concen: 1.322 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

Instrument :

MSVOA_W

ClientSampleId :

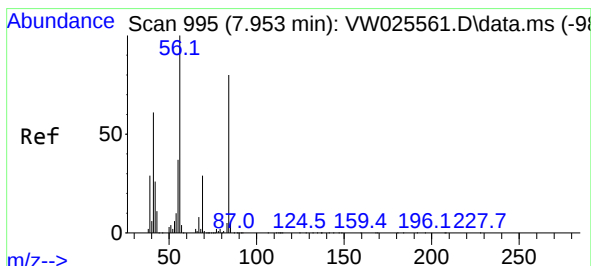
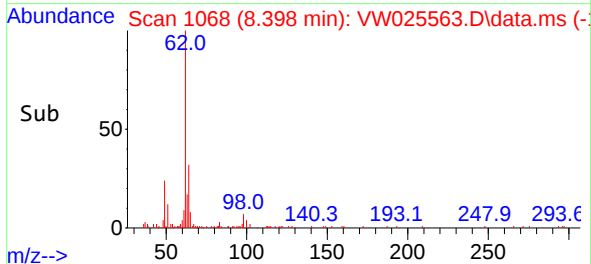
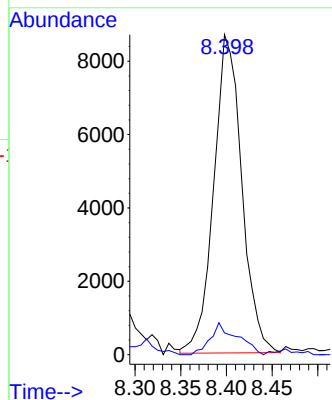
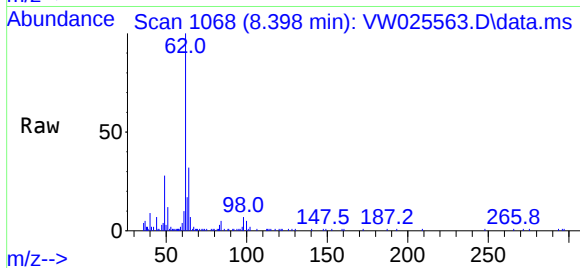
MDL-SOIL-QT2-2023-03DL

Tgt Ion: 62 Resp: 18546

Ion Ratio Lower Upper

62 100

98 6.8 6.6 10.0



#29

Cyclohexane

Concen: 0.999 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

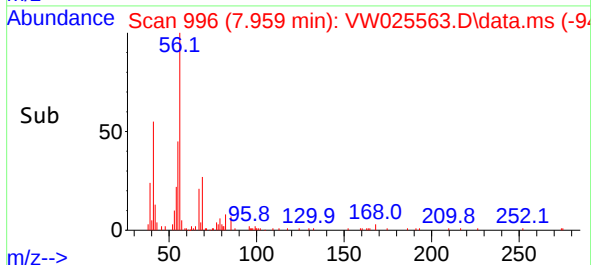
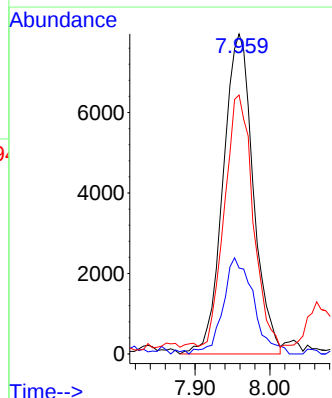
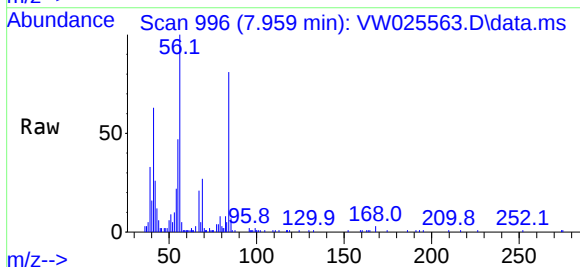
Tgt Ion: 56 Resp: 22285

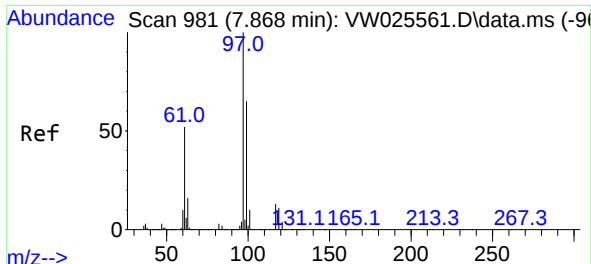
Ion Ratio Lower Upper

56 100

69 30.0 22.7 34.1

84 76.4 62.5 93.7

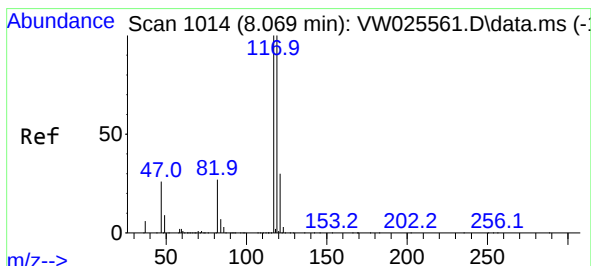
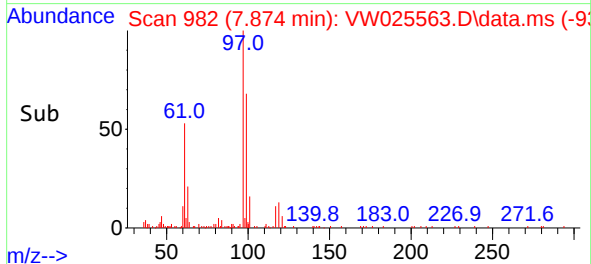
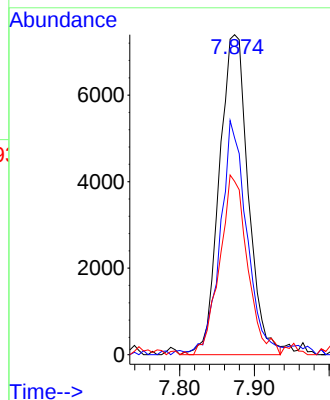
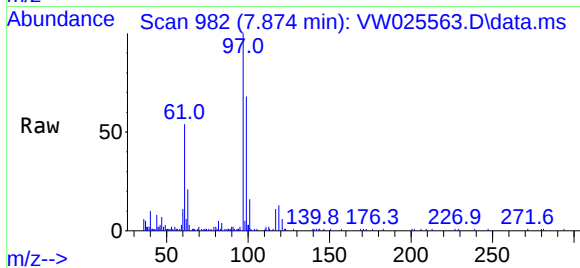




#30
1,1,1-Trichloroethane
Concen: 1.159 ug/L
RT: 7.874 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

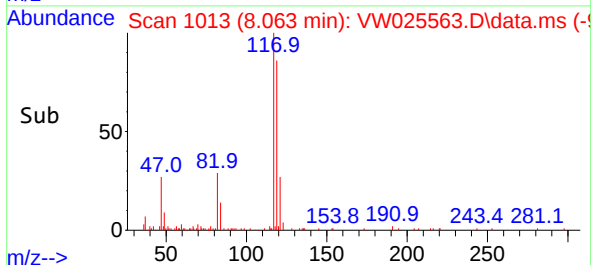
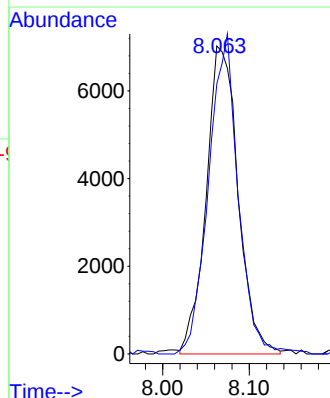
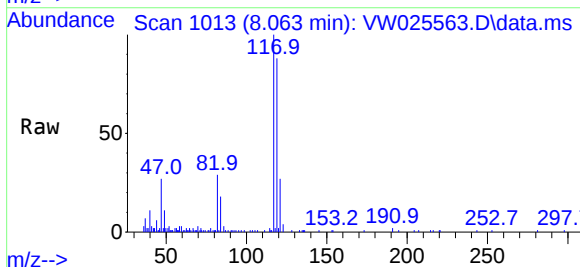
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

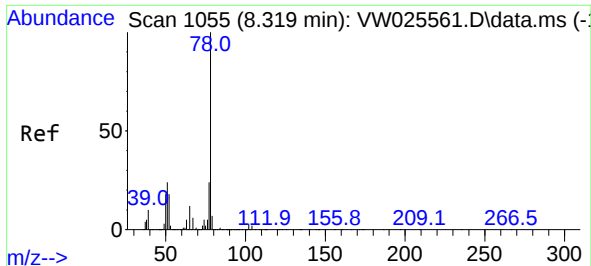
Tgt Ion:	97	Resp:	19849
Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.0	76.6
61	52.8	40.5	60.7



#31
Carbon tetrachloride
Concen: 1.162 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.013 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:	117	Resp:	17965
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.7	113.5

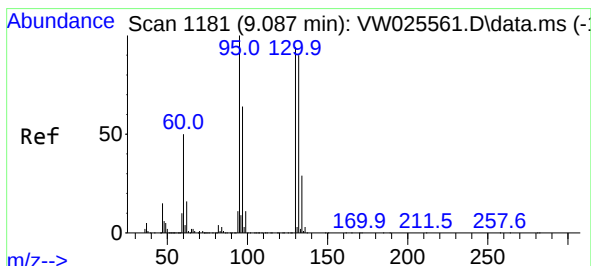
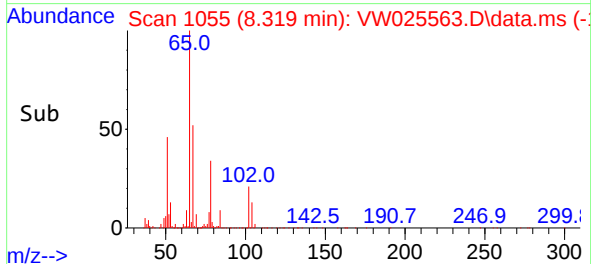
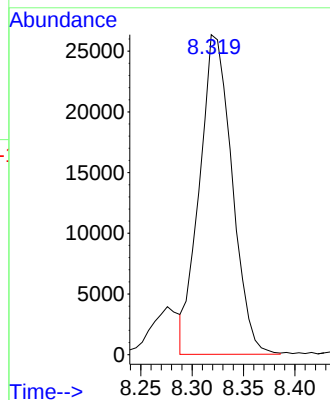
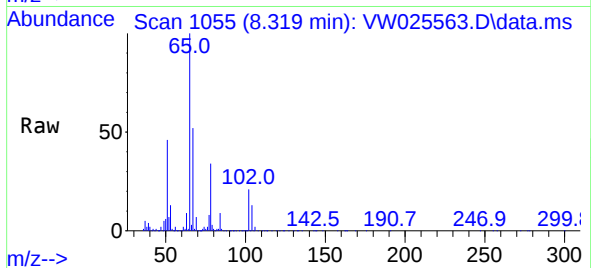




#33
Benzene
Concen: 1.207 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.007 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

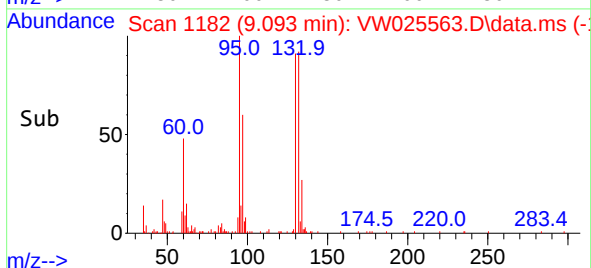
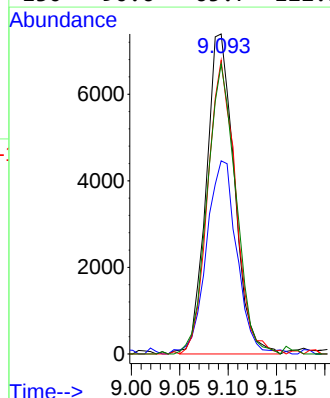
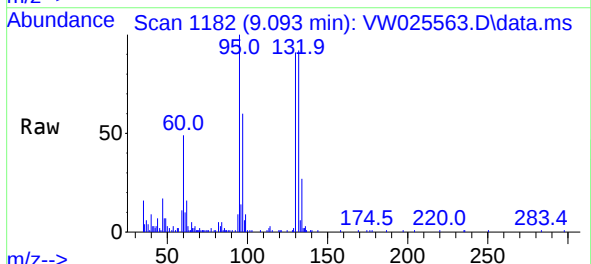
Tgt Ion: 78 Resp: 57926

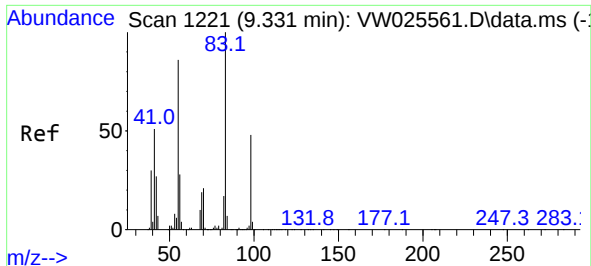


#34
Trichloroethene
Concen: 1.194 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 95 Resp: 14902

Ion	Ratio	Lower	Upper
95	100		
97	60.4	42.5	78.9
132	91.8	59.8	111.1
130	90.6	65.7	122.1





#35

Methylcyclohexane

Concen: 1.007 ug/L

RT: 9.337 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-03DL

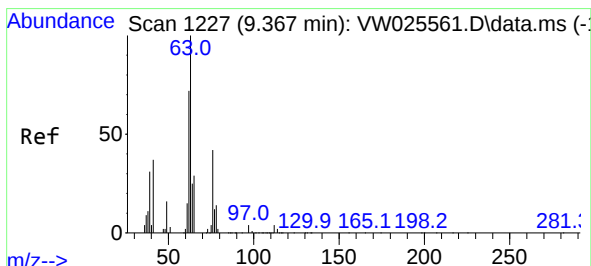
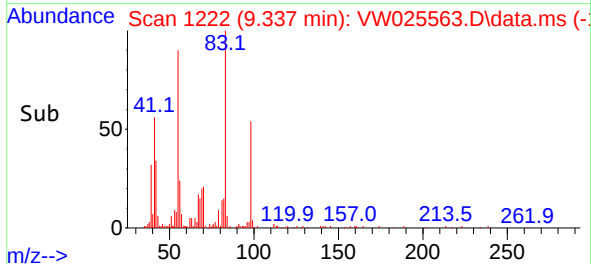
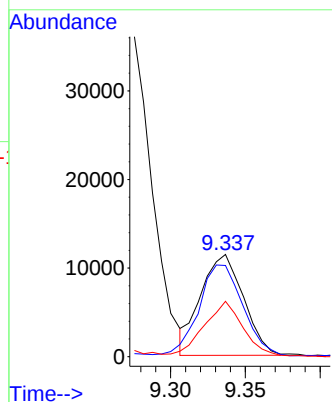
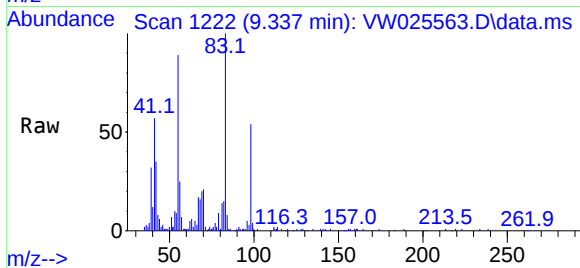
Tgt Ion: 83 Resp: 22684

Ion Ratio Lower Upper

83 100

55 93.2 68.7 103.1

98 48.6 37.7 56.5



#37

1,2-Dichloropropane

Concen: 1.226 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW025563.D

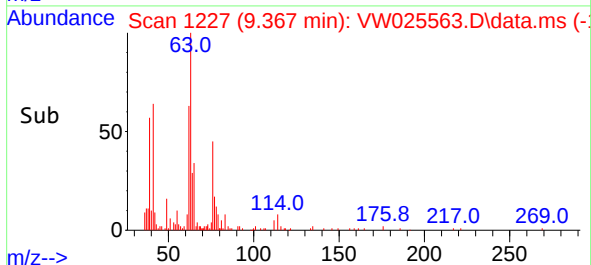
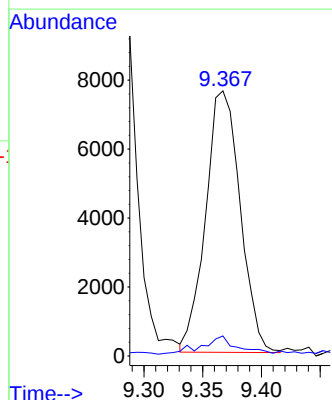
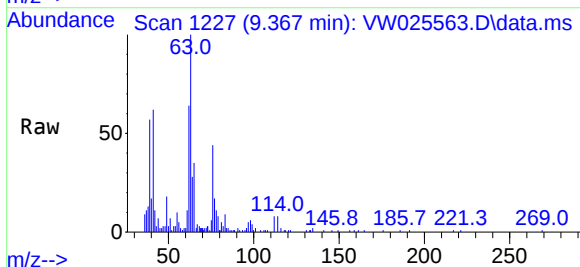
Acq: 07 Apr 2023 10:20

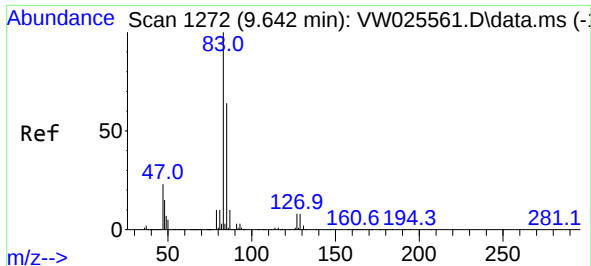
Tgt Ion: 63 Resp: 15531

Ion Ratio Lower Upper

63 100

112 5.2 3.4 5.0#

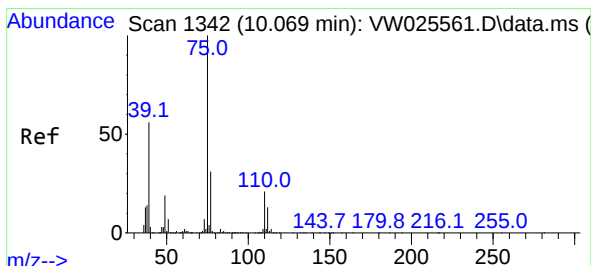
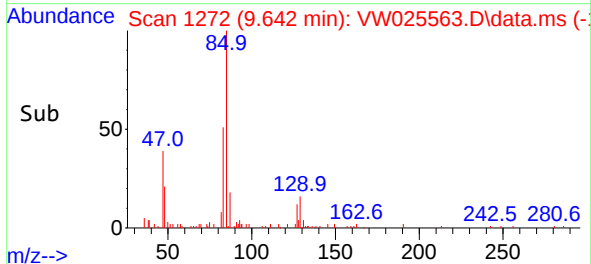
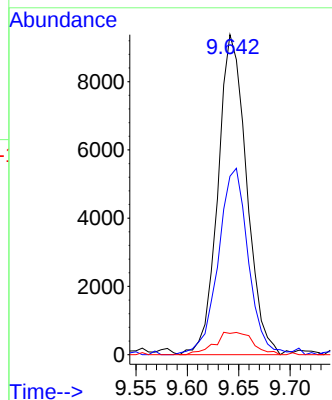
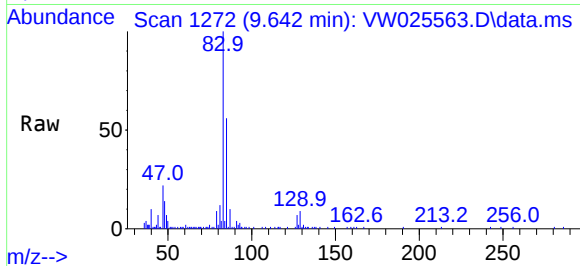




#38
Bromodichloromethane
Concen: 1.253 ug/L
RT: 9.642 min Scan# 11
Delta R.T. -0.007 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

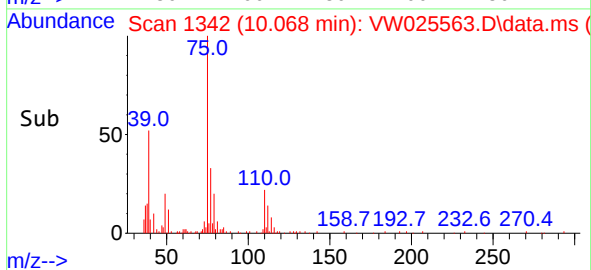
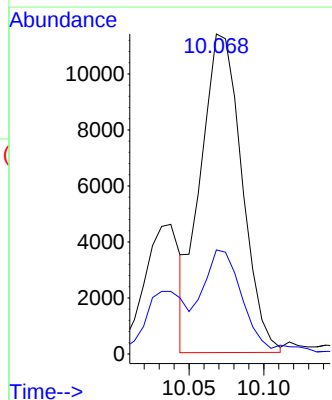
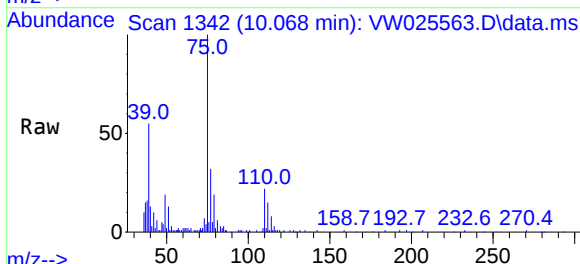
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

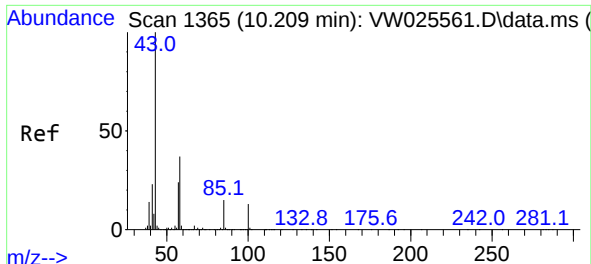
Tgt Ion: 83	Resp: 18164
Ion Ratio	Lower Upper
83 100	
85 55.8	43.5 80.7
127 6.6	5.8 8.8



#39
cis-1,3-Dichloropropene
Concen: 1.203 ug/L
RT: 10.068 min Scan# 1342
Delta R.T. -0.007 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 75	Resp: 21866
Ion Ratio	Lower Upper
75 100	
77 32.5	22.8 42.4





#40

4-Methyl-2-pentanone

Concen: 2.526 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

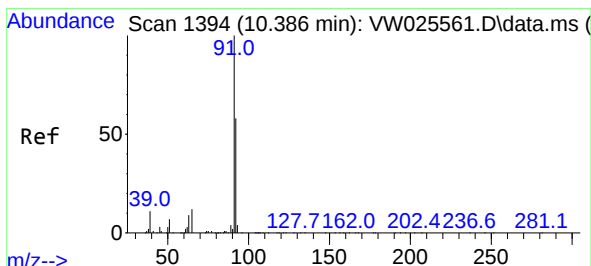
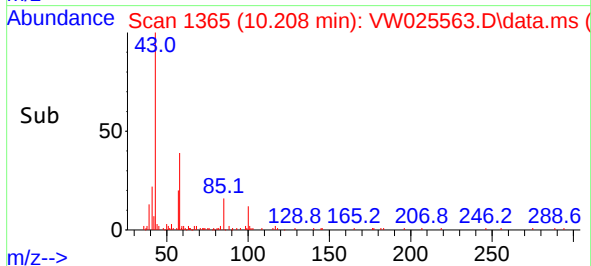
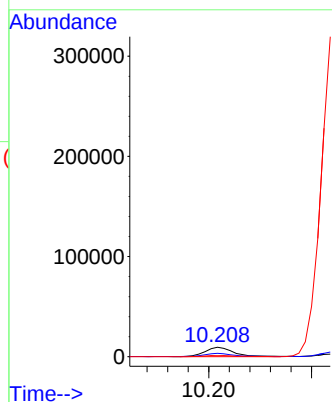
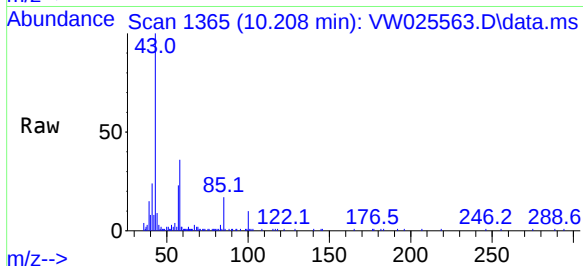
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-03DL

Tgt Ion:	43	Resp:	18115
Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.2	43.8
100	6.6	10.2	15.4#



#42

Toluene

Concen: 1.188 ug/L

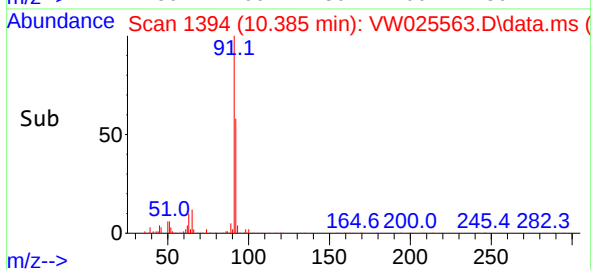
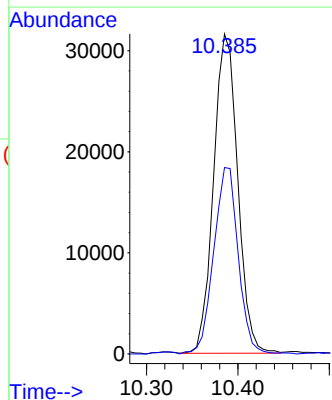
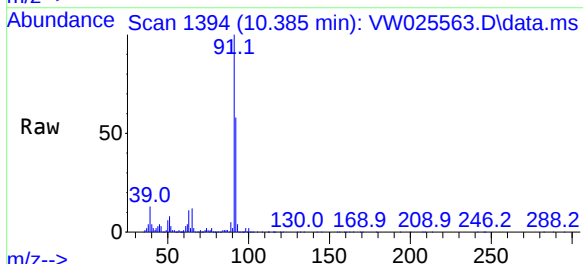
RT: 10.385 min Scan# 1394

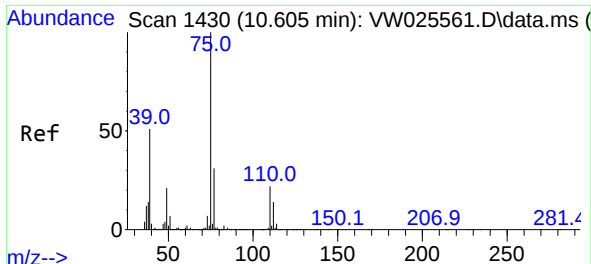
Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

Tgt Ion:	91	Resp:	58022
Ion	Ratio	Lower	Upper
91	100		
92	58.3	41.1	76.3

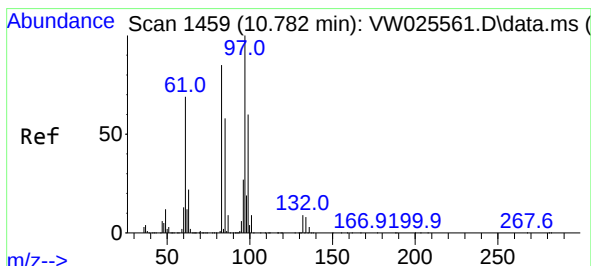
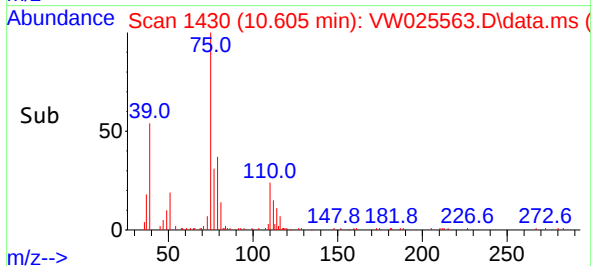
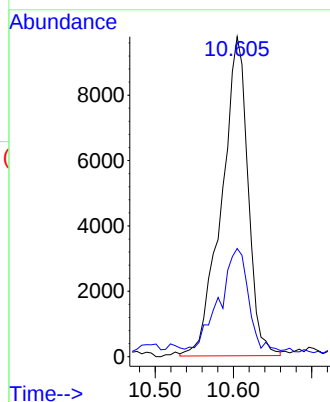
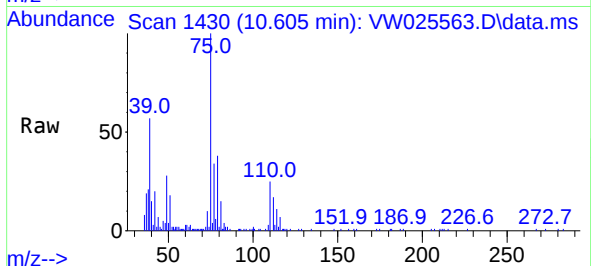




#44
trans-1,3-Dichloropropene
Concen: 1.522 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

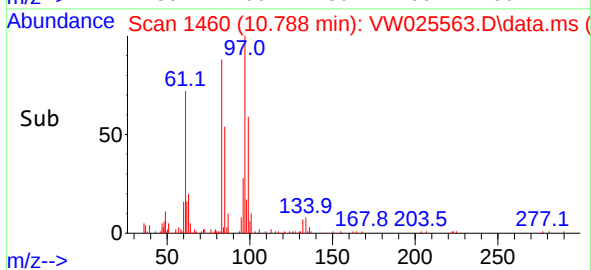
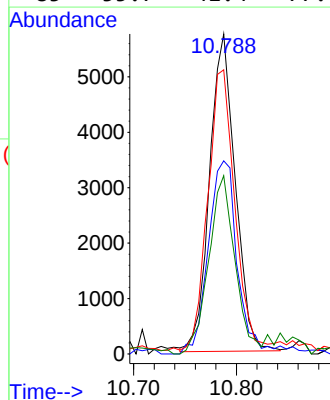
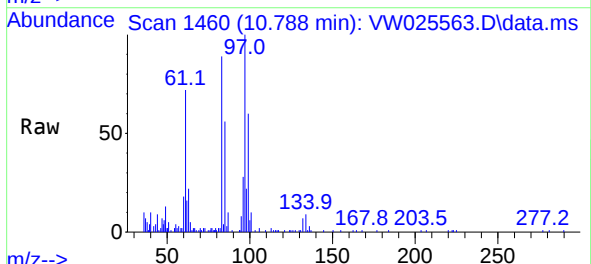
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

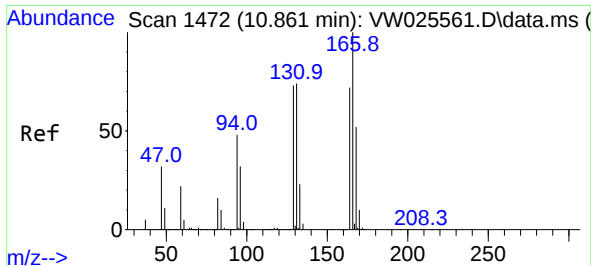
Tgt Ion: 75 Resp: 22813
Ion Ratio Lower Upper
75 100
77 33.8 22.5 41.9



#45
1,1,2-Trichloroethane
Concen: 1.230 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 97 Resp: 9937
Ion Ratio Lower Upper
97 100
99 60.3 43.8 81.3
83 88.8 61.8 114.8
85 55.7 41.4 77.0

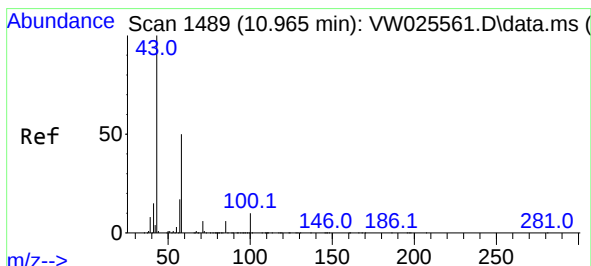
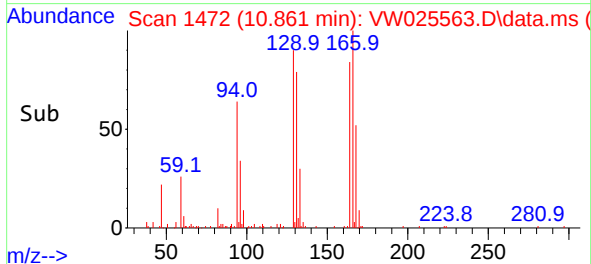
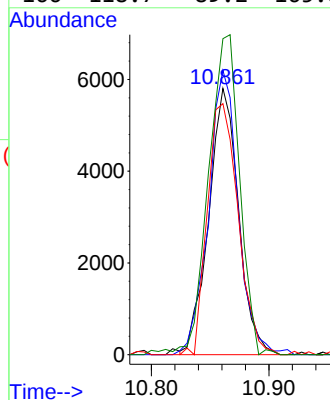
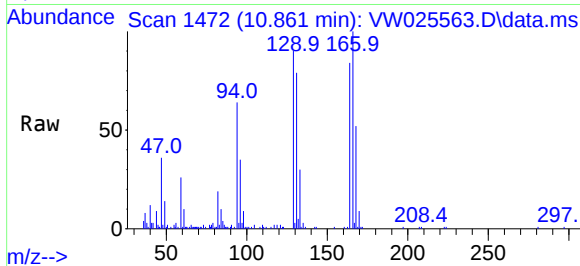




#46
Tetrachloroethene
Concen: 1.164 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

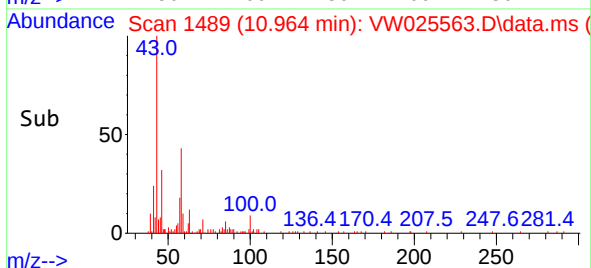
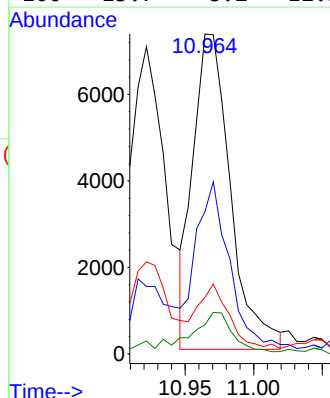
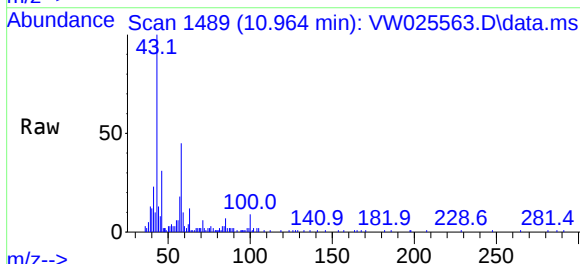
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

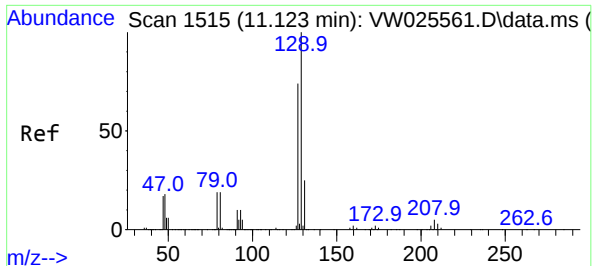
Tgt	Ion:164	Resp:	10212
Ion	Ratio	Lower	Upper
164	100		
129	106.8	76.9	142.9
131	94.3	70.5	130.9
166	118.7	89.2	165.8



#48
2-Hexanone
Concen: 2.795 ug/L
RT: 10.964 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt	Ion: 43	Resp:	13851
Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.6	57.8
57	17.9	13.9	20.9
100	13.7	8.2	12.2#





#49

Dibromochloromethane

Concen: 1.213 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

Instrument :

MSVOA_W

ClientSampleId :

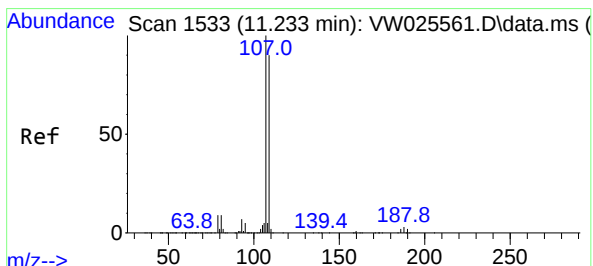
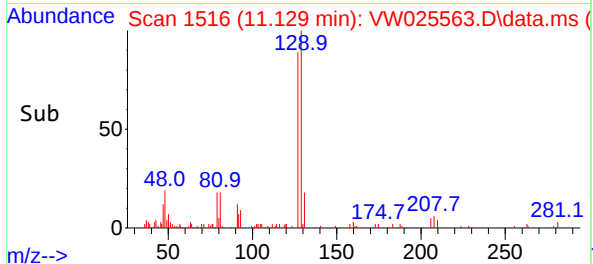
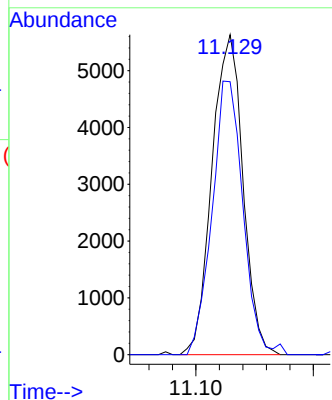
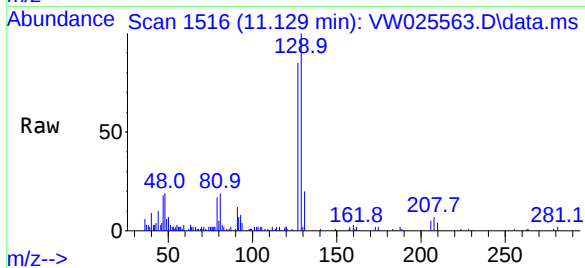
MDL-SOIL-QT2-2023-03DL

Tgt Ion:129 Resp: 10317

Ion Ratio Lower Upper

129 100

127 85.3 54.0 100.2



#50

1,2-Dibromoethane

Concen: 1.284 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

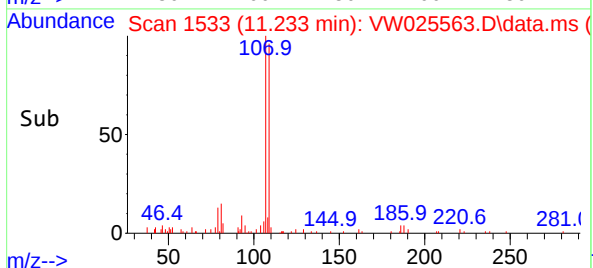
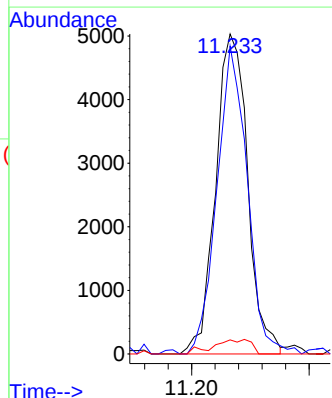
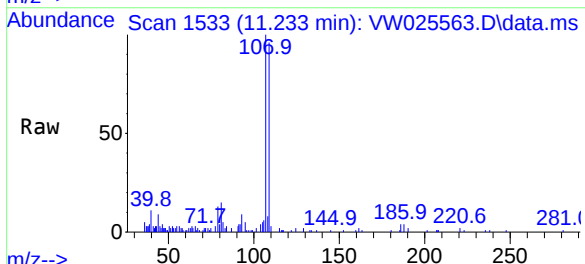
Tgt Ion:107 Resp: 9532

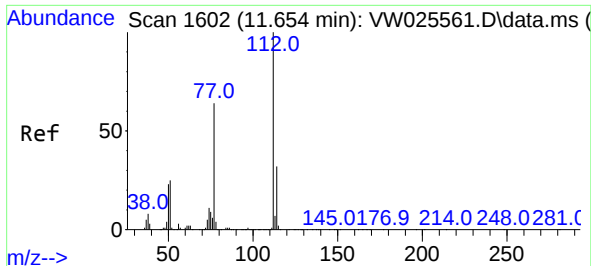
Ion Ratio Lower Upper

107 100

109 96.2 64.1 119.1

188 4.4 2.8 4.2#

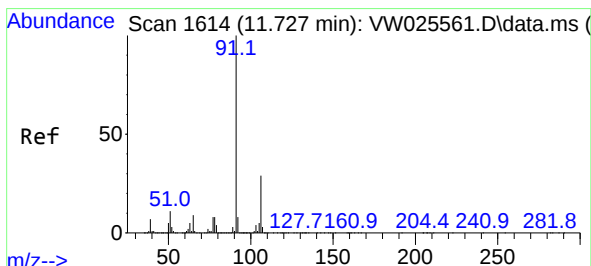
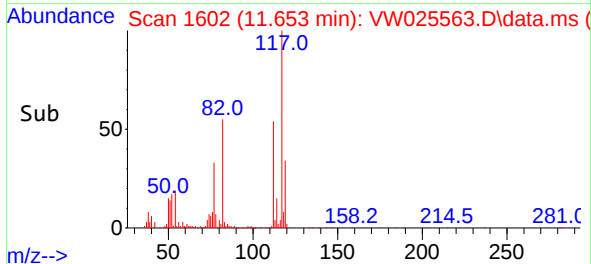
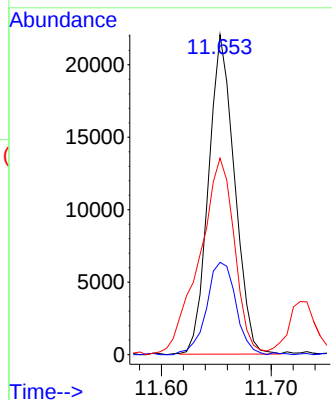
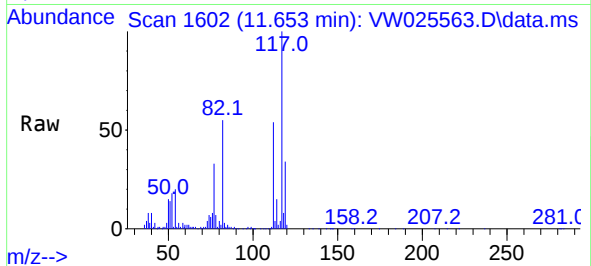




#51
Chlorobenzene
Concen: 1.208 ug/L
RT: 11.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

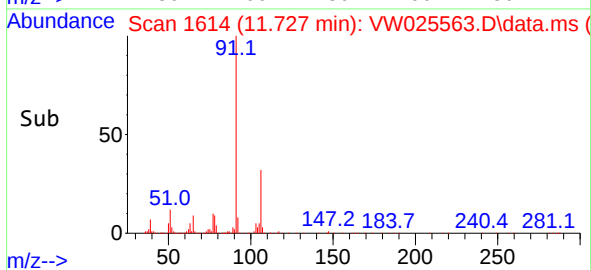
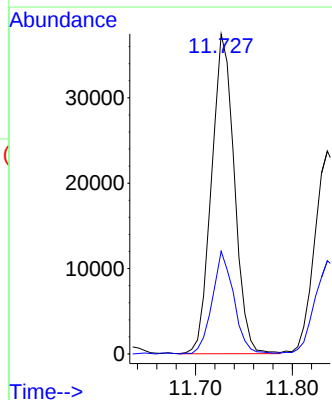
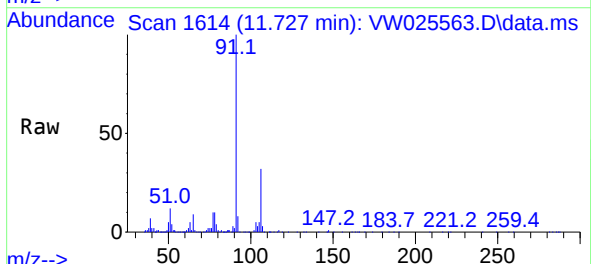
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

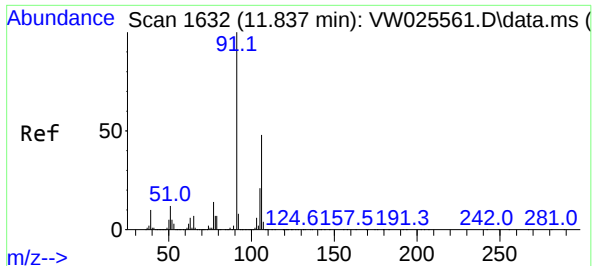
Tgt Ion:	112	Resp:	36352
Ion	Ratio	Lower	Upper
112	100		
114	28.9	21.6	40.2
77	61.4	50.2	75.2



#52
Ethylbenzene
Concen: 1.110 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:	91	Resp:	61377
Ion	Ratio	Lower	Upper
91	100		
106	32.1	20.3	37.7

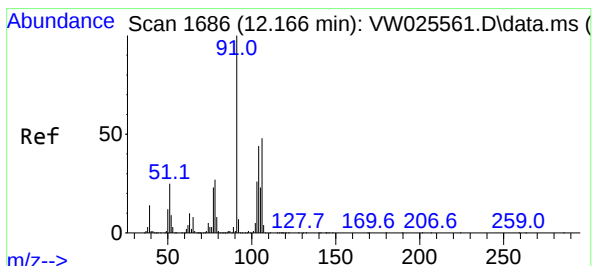
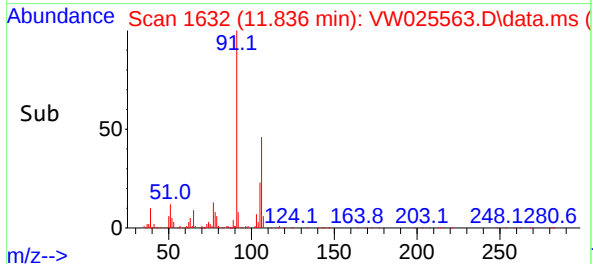
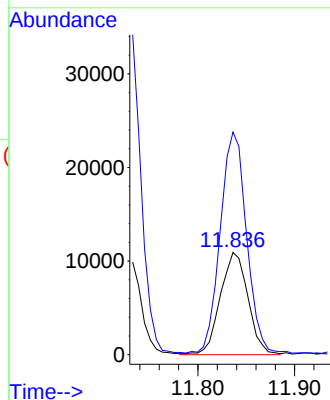
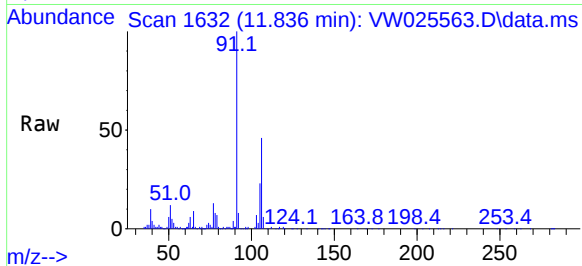




#53
m,p-Xylene
Concen: 1.071 ug/L
RT: 11.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

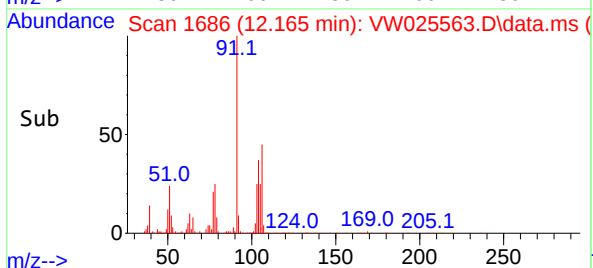
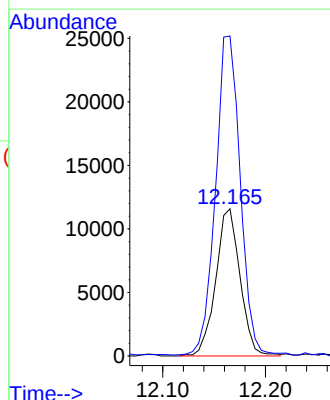
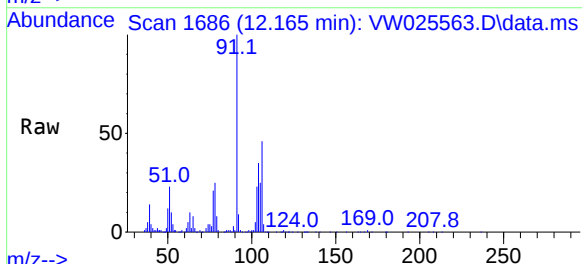
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

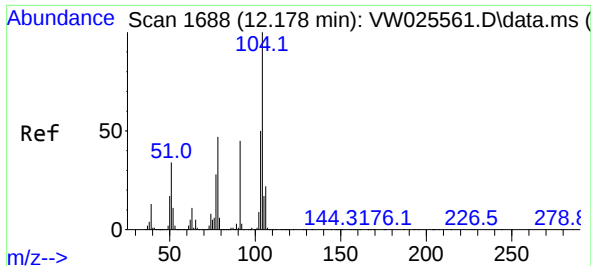
Tgt Ion:106 Resp: 21709
Ion Ratio Lower Upper
106 100
91 217.5 148.0 274.8



#54
o-Xylene
Concen: 1.004 ug/L
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:106 Resp: 19032
Ion Ratio Lower Upper
106 100
91 217.4 158.2 293.8

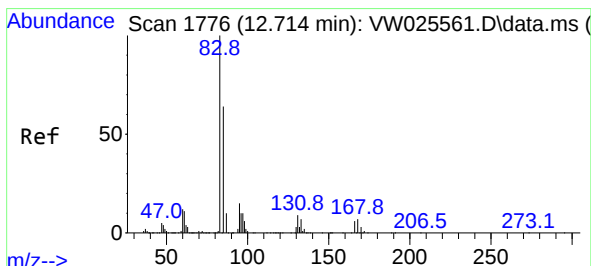
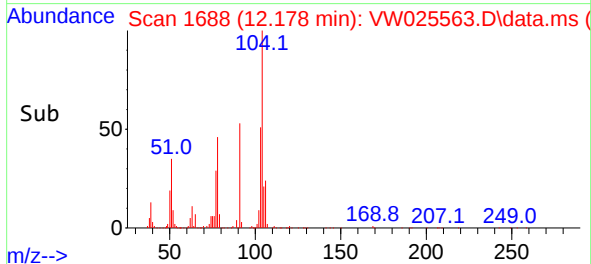
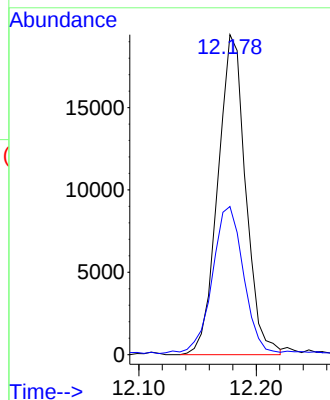
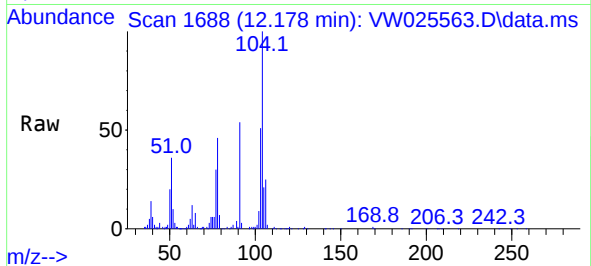




#55
Styrene
Concen: 1.001 ug/L
RT: 12.178 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

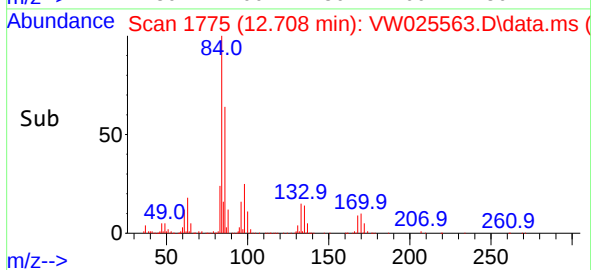
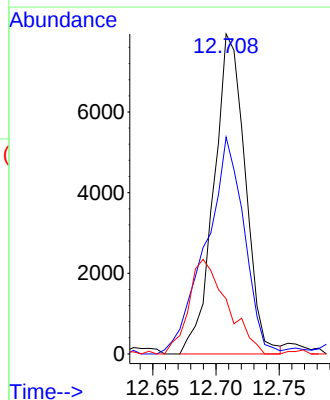
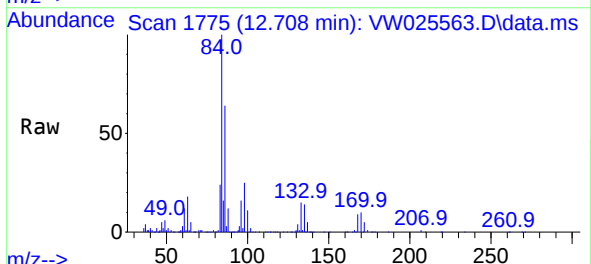
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

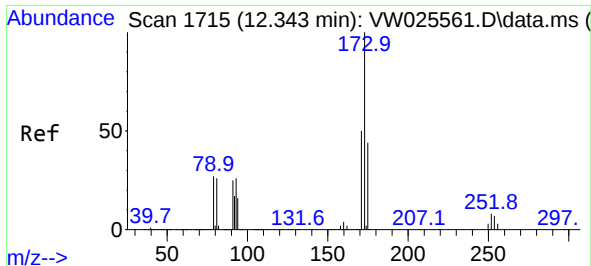
Tgt Ion:104 Resp: 31941
Ion Ratio Lower Upper
104 100
78 46.3 33.3 61.9



#57
1,1,2,2-Tetrachloroethane
Concen: 1.412 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.007 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion: 83 Resp: 13667
Ion Ratio Lower Upper
83 100
85 67.7 43.5 80.7
131 17.2 7.0 10.4#

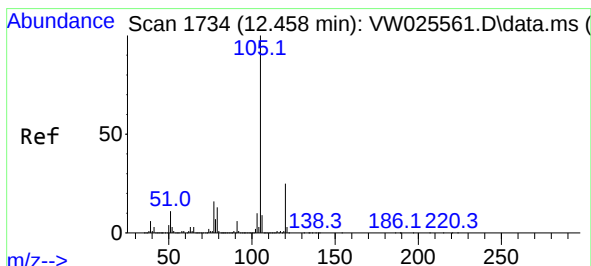
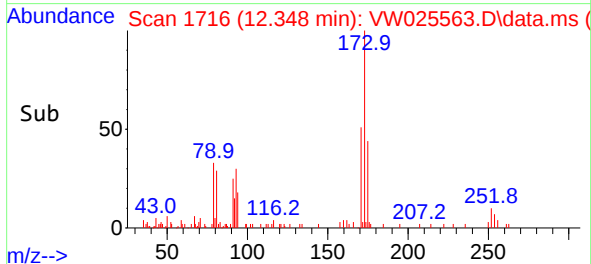
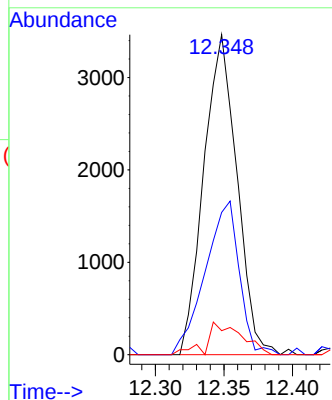
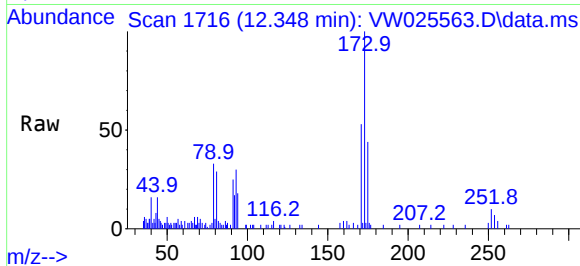




#59
Bromoform
Concen: 1.317 ug/L
RT: 12.348 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

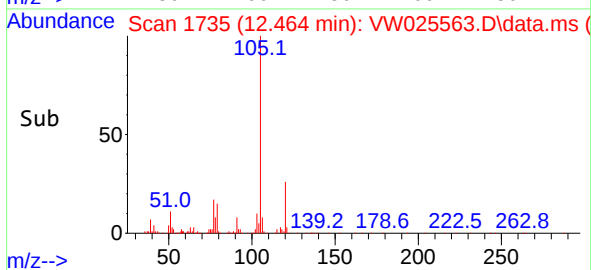
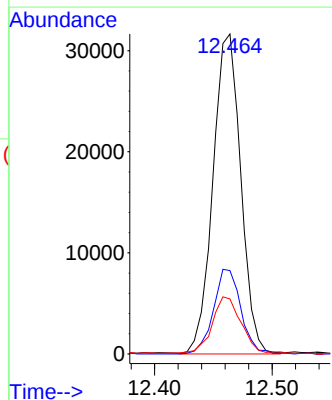
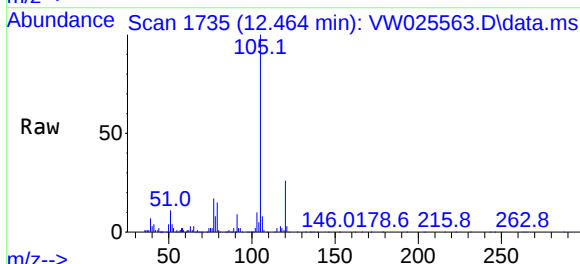
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

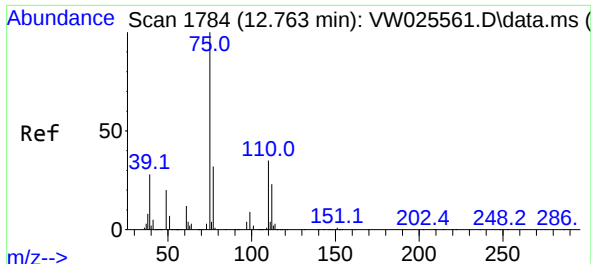
Tgt Ion:173 Resp: 5827
Ion Ratio Lower Upper
173 100
175 48.5 36.1 54.1
254 3.8 7.0 10.6#



#60
Isopropylbenzene
Concen: 1.031 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:105 Resp: 52143
Ion Ratio Lower Upper
105 100
120 26.0 20.1 30.1
77 18.1 13.2 19.8





#61

1,2,3-Trichloropropane

Concen: 1.469 ug/L

RT: 12.763 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

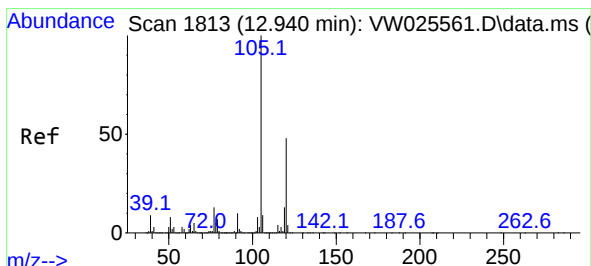
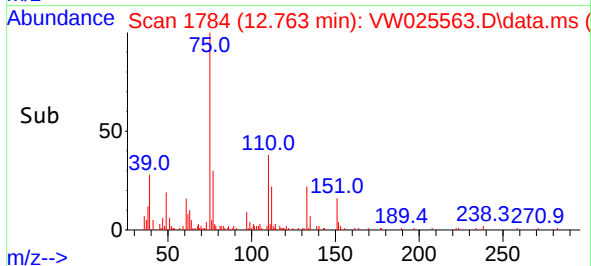
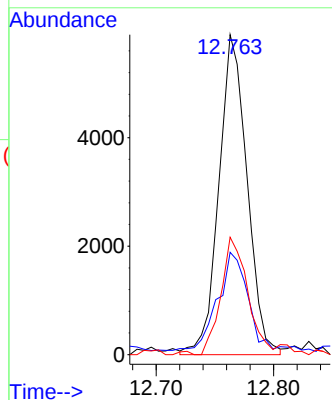
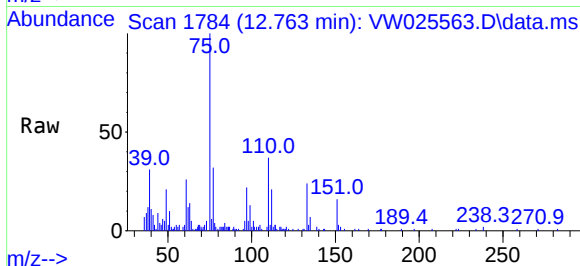
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-03DL

Tgt Ion:	75	Resp:	9835
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2
110	34.8	29.0	43.6



#62

1,3,5-Trimethylbenzene

Concen: 0.981 ug/L

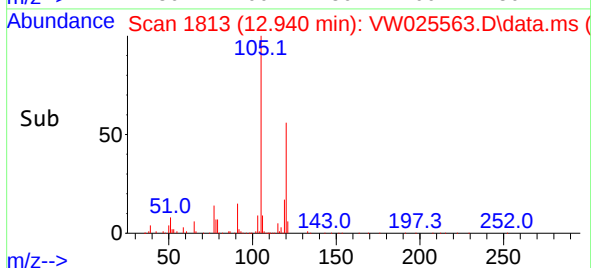
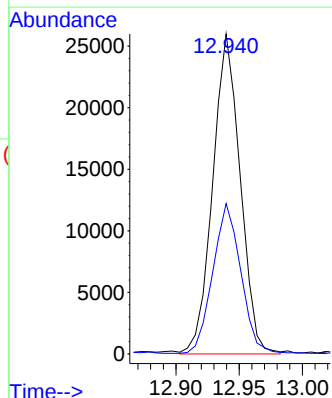
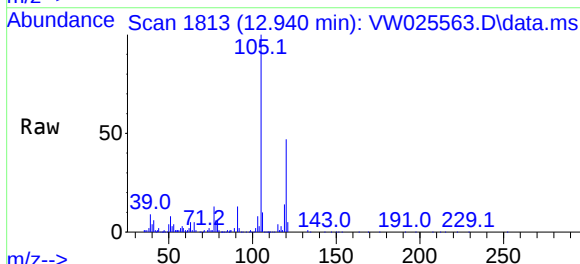
RT: 12.940 min Scan# 1813

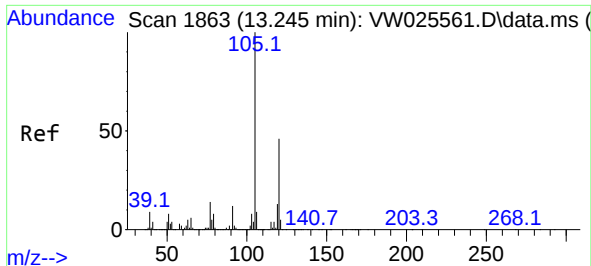
Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

Tgt Ion:	105	Resp:	39184
Ion	Ratio	Lower	Upper
105	100		
120	47.5	38.4	57.6

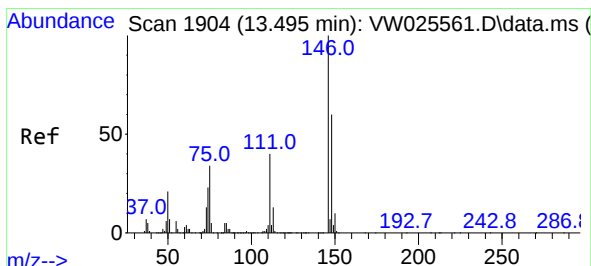
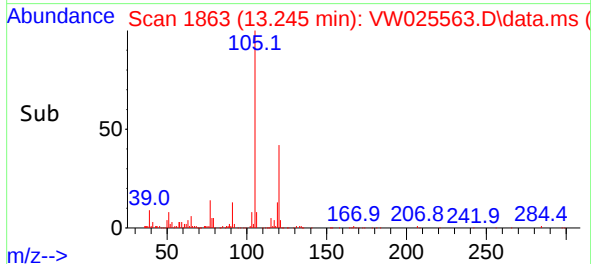
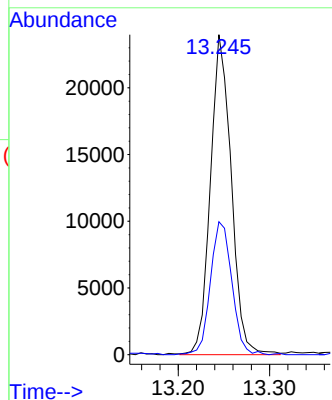
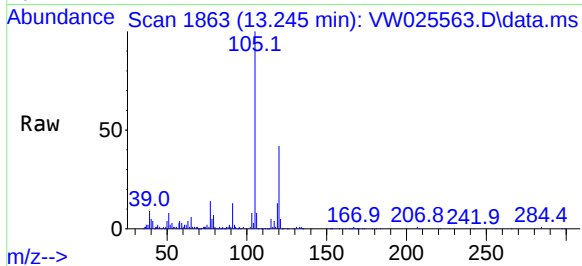




#63
1,2,4-Trimethylbenzene
Concen: 0.987 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

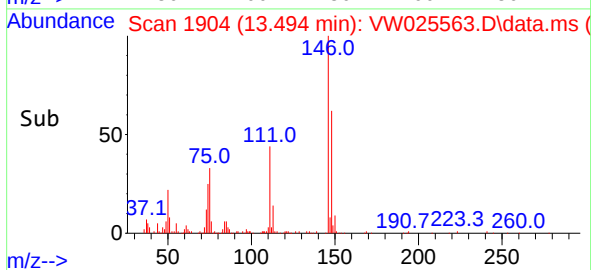
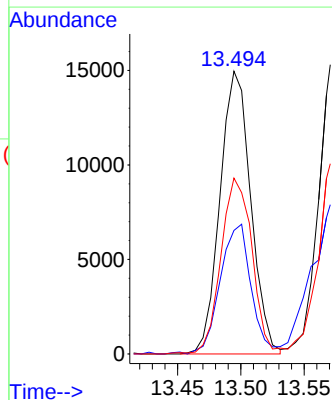
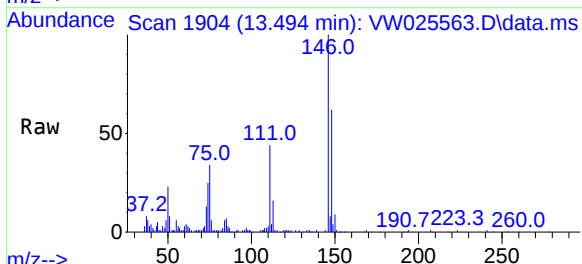
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

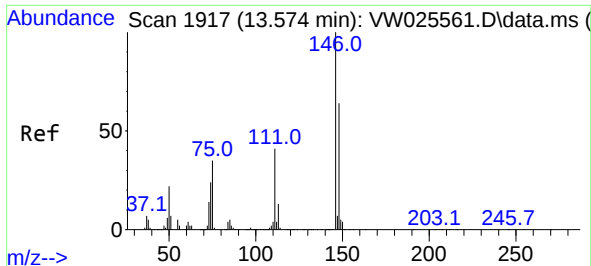
Tgt Ion:105 Resp: 37946
Ion Ratio Lower Upper
105 100
120 42.4 34.8 52.2



#64
1,3-Dichlorobenzene
Concen: 1.206 ug/L
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:146 Resp: 25289
Ion Ratio Lower Upper
146 100
111 43.7 29.7 55.1
148 62.2 43.4 80.6

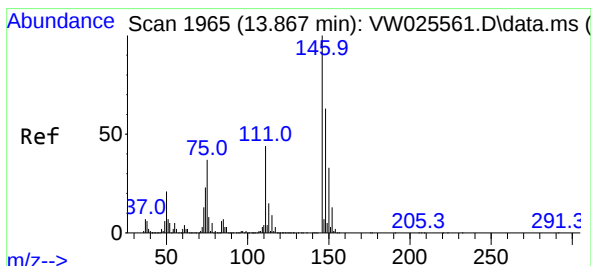
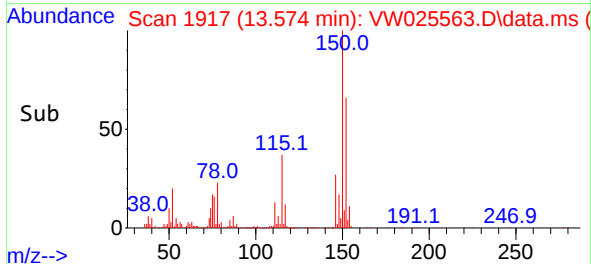
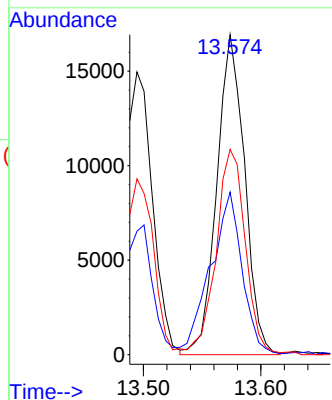
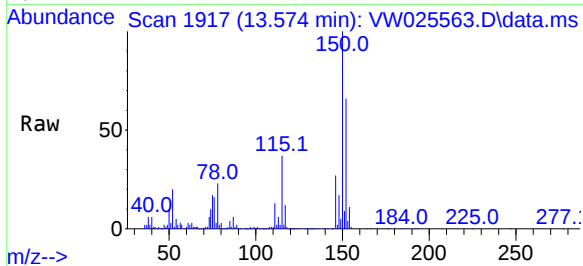




#65
1,4-Dichlorobenzene
Concen: 1.301 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

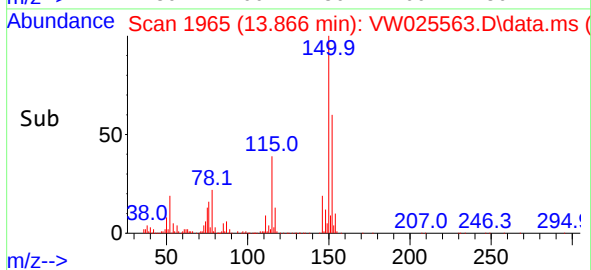
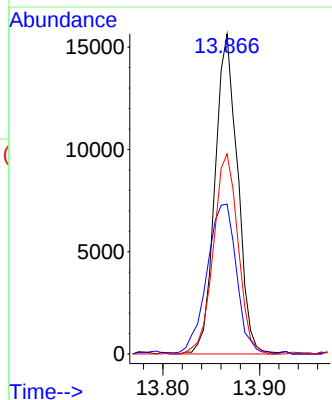
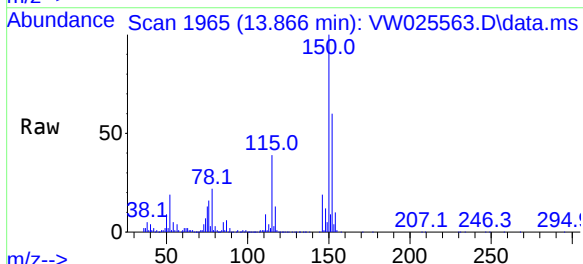
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-03DL

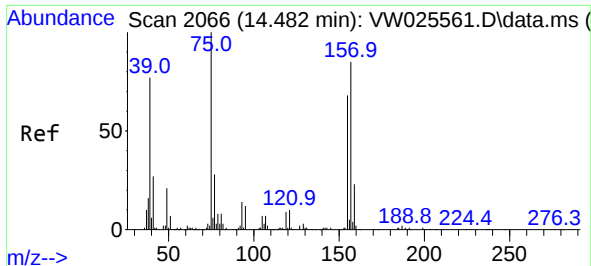
Tgt Ion:	146	Resp:	27862
Ion	Ratio	Lower	Upper
146	100		
111	50.8	30.4	56.5
148	64.2	48.6	90.3



#67
1,2-Dichlorobenzene
Concen: 1.381 ug/L
RT: 13.866 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:	146	Resp:	25386
Ion	Ratio	Lower	Upper
146	100		
111	46.9	35.3	52.9
148	62.5	47.9	71.9





#68

1,2-Dibromo-3-chloropropane

Concen: 1.705 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

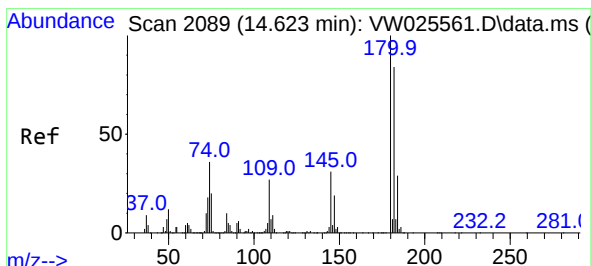
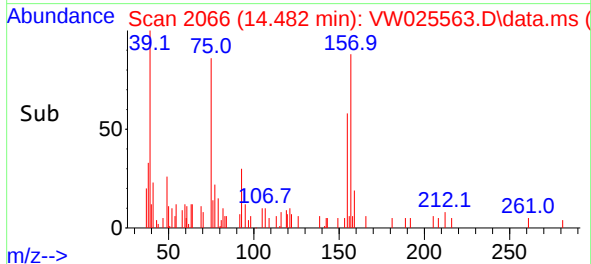
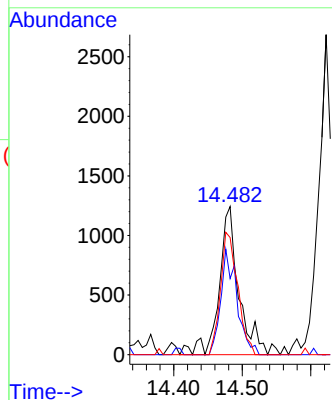
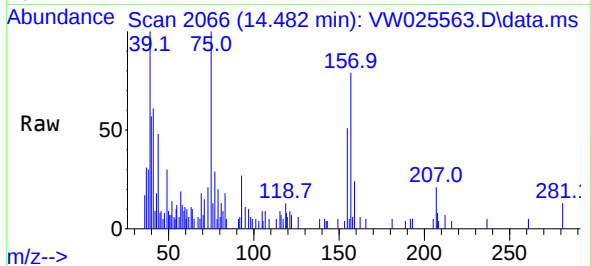
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-03DL

Tgt Ion:	75	Resp:	2504
Ion	Ratio	Lower	Upper
75	100		
155	51.4	61.1	91.7#
157	79.1	72.8	109.2



#69

1,3,5-Trichlorobenzene

Concen: 1.237 ug/L

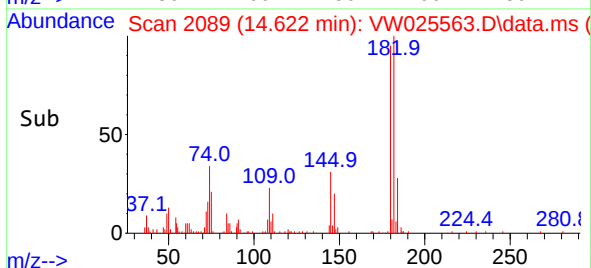
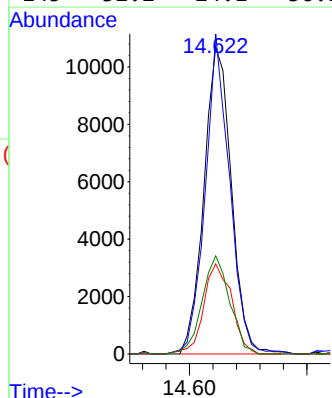
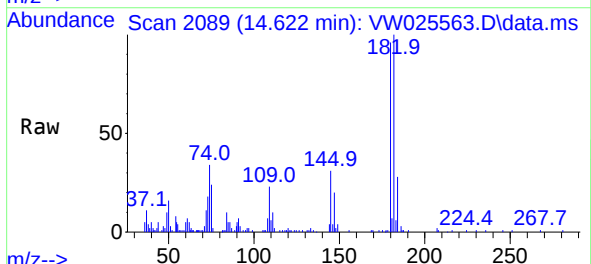
RT: 14.622 min Scan# 2089

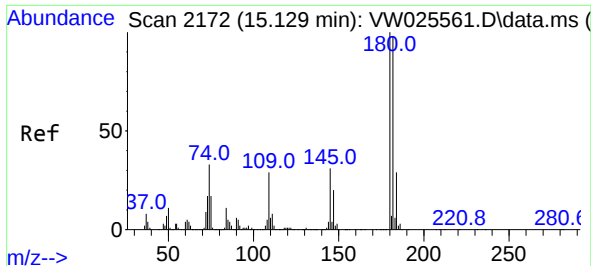
Delta R.T. -0.000 min

Lab File: VW025563.D

Acq: 07 Apr 2023 10:20

Tgt Ion:	180	Resp:	17361
Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.4	114.6
184	29.7	24.1	36.1
145	32.2	24.1	36.1

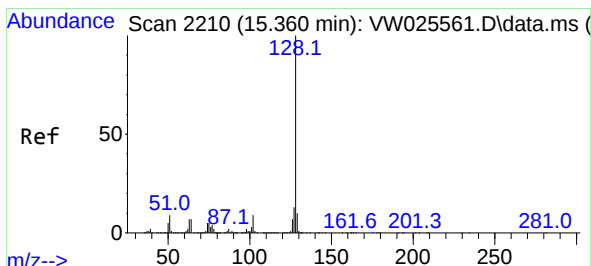
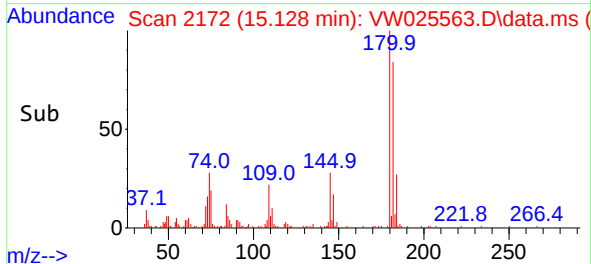
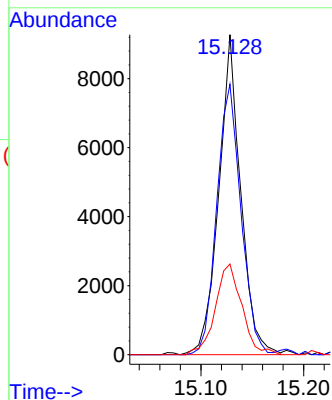
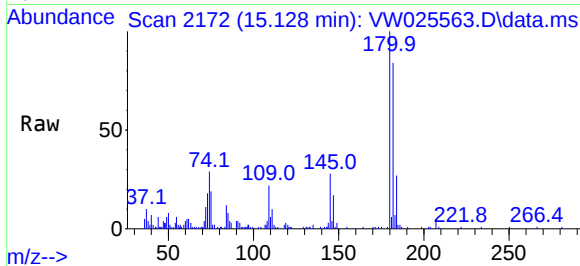




#70
1,2,4-trichlorobenzene
Concen: 1.205 ug/L
RT: 15.128 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

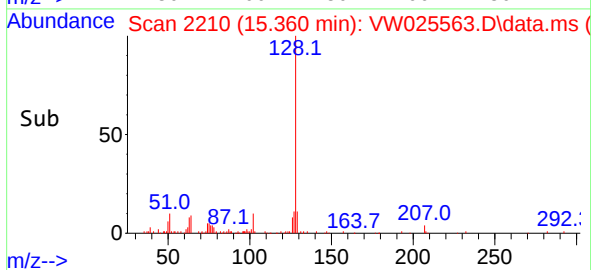
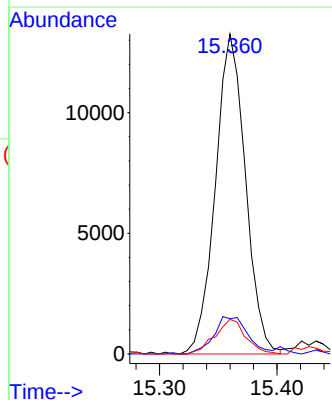
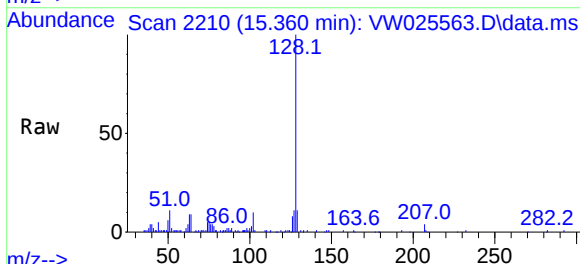
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-03DL

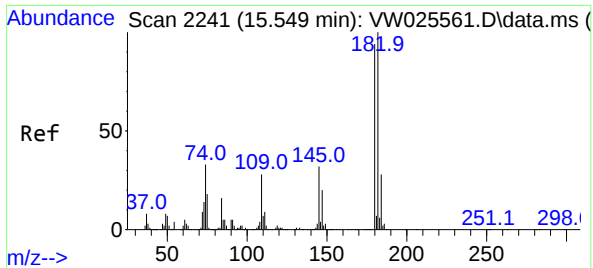
Tgt Ion:	180	Resp:	13739
Ion Ratio	Lower	Upper	
180	100		
182	93.3	79.5	119.3
145	34.2	27.4	41.0



#71
Naphthalene
Concen: 1.107 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW025563.D
Acq: 07 Apr 2023 10:20

Tgt Ion:	128	Resp:	23549
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.7	13.1





1,2,3-Trichlorobenzene
 Concen: 1.314 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025563.D
 Acq: 07 Apr 2023 10:20

Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT2-2023-03DL

Tgt Ion:	180	Resp:	13097
Ion Ratio	Lower	Upper	
180	100		
182	93.4	72.9	109.3
145	31.5	27.0	40.6

