

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027568.D
 Acq On : 06 Dec 2023 15:01
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Dec 07 07:16:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:54:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	184657	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	138545	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	53555	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	101216	27.238	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 108.960%	
7) Chloroethane-d5	2.899	69	67052	24.891	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 99.560%	
11) 1,1-Dichloroethene-d2	4.027	65	42396	26.963	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 107.840%	
21) 2-Butanone-d5	7.252	46	183	0.188	ug/L	0.17
Spiked Amount	50.000	Range	20 - 135	Recovery	= 0.380%#	
24) Chloroform-d	7.654	84	107749	19.549	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 78.200%	
26) 1,2-Dichloroethane-d4	8.234	65	76	0.027	ug/L	-0.07
Spiked Amount	25.000	Range	70 - 130	Recovery	= 0.120%#	
32) Benzene-d6	8.276	84	250366	25.658	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 102.640%	
36) 1,2-Dichloropropane-d6	9.276	67	61423	21.352	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 85.400%	
41) Toluene-d8	10.325	98	216816	25.395	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 101.600%	
43) trans-1,3-Dichloroprop...	10.581	79	16909	15.200	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 60.800%	
47) 2-Hexanone-d5	10.922	63	9875	18.424	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 36.840%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	31430	13.283	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 53.120%	
66) 1,2-Dichlorobenzene-d4	13.855	152	43921	23.396	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 93.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.149	85	233	0.094	ug/L	99
3) Chloromethane	2.223	50	4499	1.486	ug/L	94
5) Vinyl chloride	2.381	62	5746	1.627	ug/L #	82
6) Bromomethane	2.796	94	2393	1.291	ug/L	93
8) Chloroethane	2.936	64	2854	1.415	ug/L	99
9) Trichlorofluoromethane	3.277	101	5159	1.525	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	1483	0.514	ug/L #	17
12) 1,1-Dichloroethene	4.265	96	78	0.030	ug/L	89
13) Acetone	4.125	43	1720	1.832	ug/L	62
14) Carbon disulfide	4.399	76	11360	1.427	ug/L #	94
15) Methyl Acetate	4.716	43	199	0.121	ug/L	95
16) Methylene chloride	4.923	84	4673	1.552	ug/L	92
17) trans-1,2-Dichloroethene	5.435	96	2279	0.839	ug/L	82
18) Methyl tert-butyl Ether	5.423	73	982	0.224	ug/L #	70
19) 1,1-Dichloroethane	6.228	63	5786	1.048	ug/L #	85
20) cis-1,2-Dichloroethene	7.179	96	3112	1.067	ug/L	79
22) 2-Butanone	7.185	43	465	0.384	ug/L	76
23) Bromochloromethane	7.514	128	562	0.490	ug/L #	79
25) Chloroform	7.673	83	2900	0.578	ug/L	92

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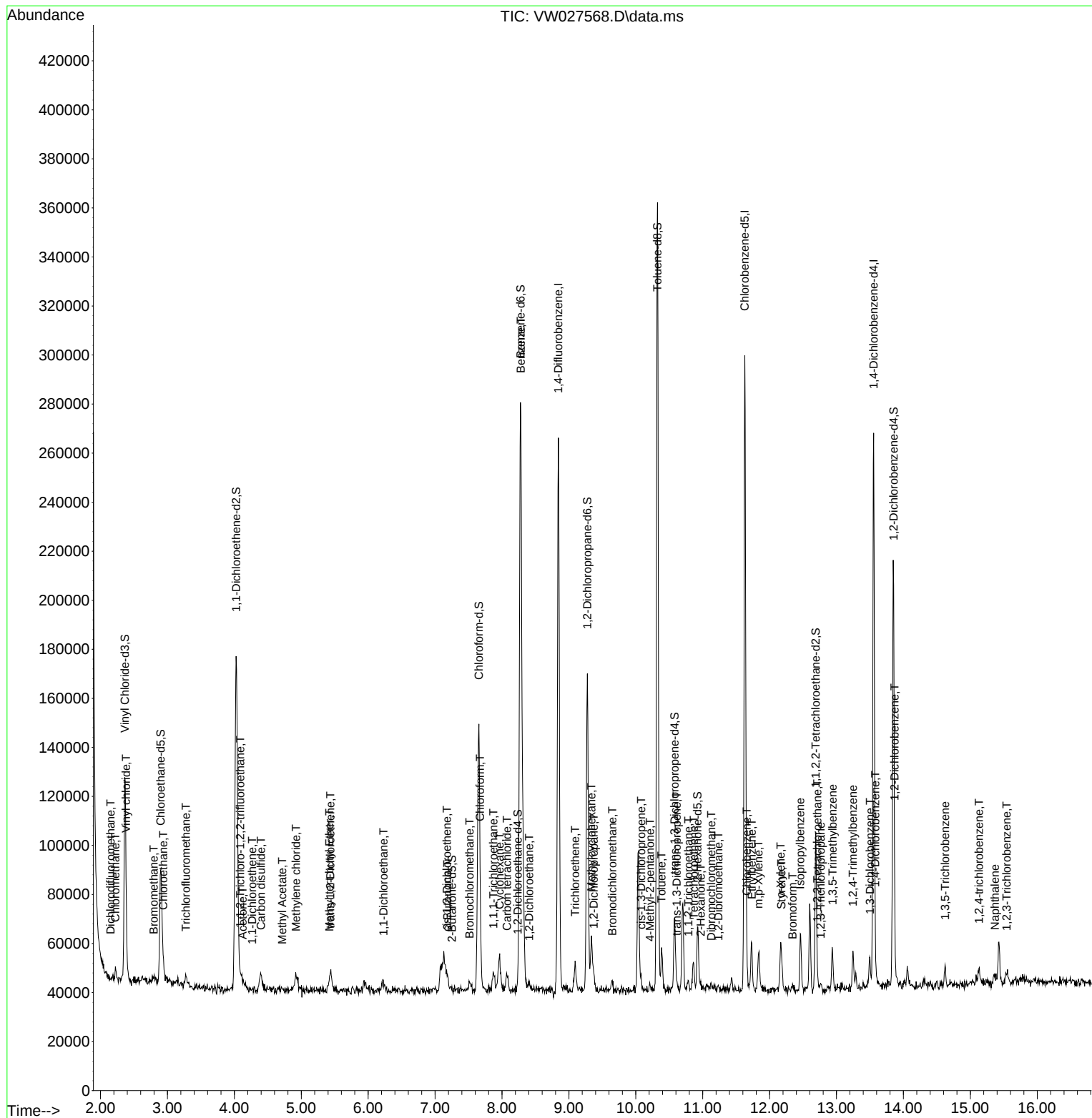
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	2362	0.729	ug/L #	73
29) Cyclohexane	7.965	56	7790	1.710	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	5844	1.512	ug/L	98
31) Carbon tetrachloride	8.075	117	5139	1.524	ug/L	97
33) Benzene	8.282	78	143	0.015	ug/L	100
34) Trichloroethene	9.093	95	3415	1.308	ug/L	91
35) Methylcyclohexane	9.337	83	7550	1.623	ug/L	93
37) 1,2-Dichloropropane	9.374	63	2619	1.037	ug/L	99
38) Bromodichloromethane	9.648	83	2636	0.903	ug/L #	94
39) cis-1,3-Dichloropropene	10.081	75	2917	0.800	ug/L	94
40) 4-Methyl-2-pentanone	10.215	43	1651	0.967	ug/L #	87
42) Toluene	10.386	91	11854	1.172	ug/L	100
44) trans-1,3-Dichloropropene	10.611	75	2891	0.983	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	1276	0.726	ug/L #	81
46) Tetrachloroethene	10.867	164	2775	1.490	ug/L	89
48) 2-Hexanone	10.971	43	789	0.656	ug/L #	86
49) Dibromochloromethane	11.129	129	1403	0.807	ug/L #	73
50) 1,2-Dibromoethane	11.233	107	1285	0.799	ug/L #	85
51) Chlorobenzene	11.660	112	6440	1.055	ug/L	97
52) Ethylbenzene	11.733	91	13333	1.161	ug/L	98
53) m,p-Xylene	11.837	106	5090	1.202	ug/L	76
54) o-Xylene	12.166	106	3897	1.013	ug/L	99
55) Styrene	12.178	104	5339	0.813	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	1447	0.632	ug/L #	90
59) Bromoform	12.343	173	598	0.797	ug/L #	75
60) Isopropylbenzene	12.458	105	12782	1.446	ug/L #	91
61) 1,2,3-Trichloropropane	12.763	75	1088	0.842	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.940	105	8554	1.308	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	7173	1.101	ug/L	96
64) 1,3-Dichlorobenzene	13.501	146	3776	1.115	ug/L	98
65) 1,4-Dichlorobenzene	13.580	146	3691	1.093	ug/L	86
67) 1,2-Dichlorobenzene	13.867	146	3100	1.016	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.623	180	2165	0.951	ug/L #	82
70) 1,2,4-trichlorobenzene	15.129	180	1963	1.110	ug/L #	89
71) Naphthalene	15.366	128	2505	0.673	ug/L #	90
72) 1,2,3-Trichlorobenzene	15.543	180	1402	0.925	ug/L #	24

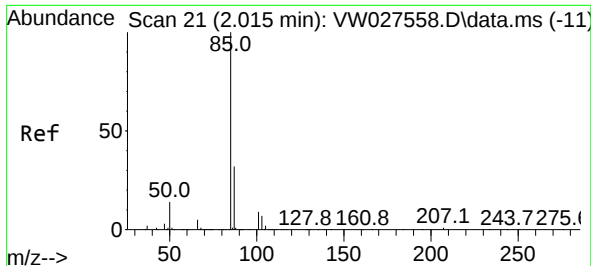
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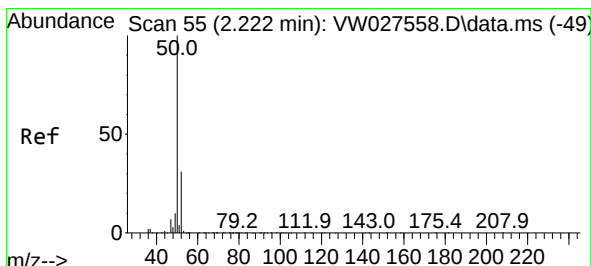
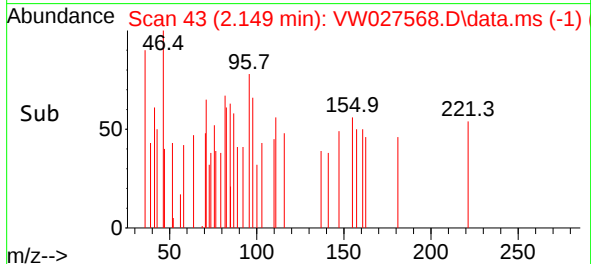
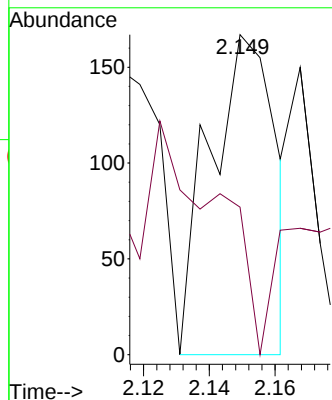
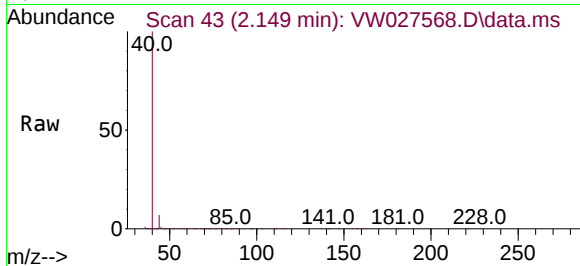




#2
Dichlorodifluoromethane
Concen: 0.094 ug/L
RT: 2.149 min Scan# 41
Delta R.T. 0.134 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

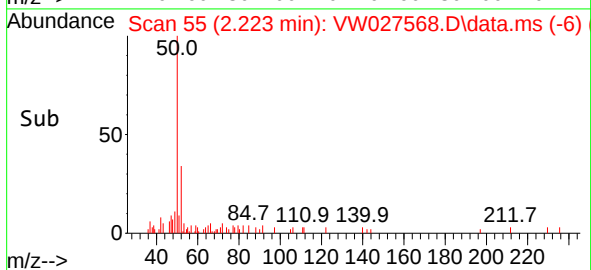
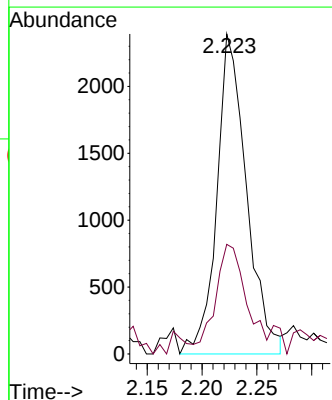
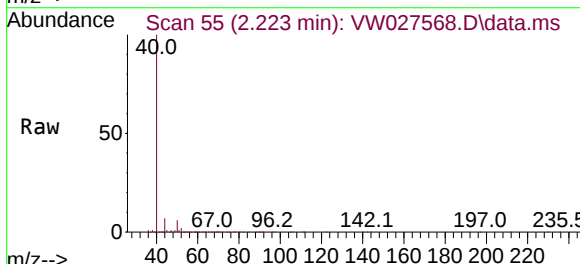
Instrument :
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ClientSampleId :
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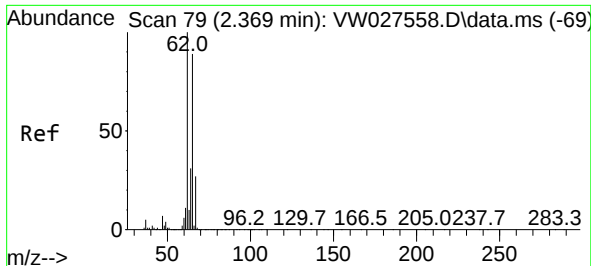
Tgt Ion: 85 Resp: 233
Ion Ratio Lower Upper
85 100
87 30.5 24.0 36.0



#3
Chloromethane
Concen: 1.486 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 50 Resp: 4499
Ion Ratio Lower Upper
50 100
52 34.2 21.8 40.6

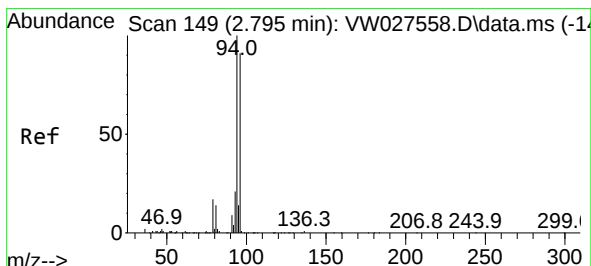
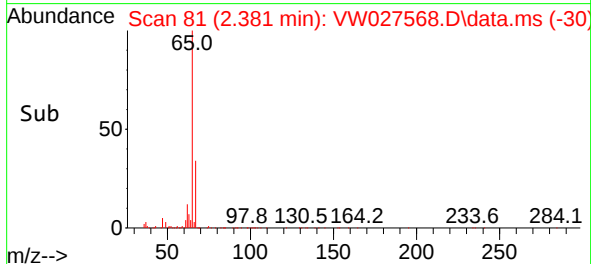
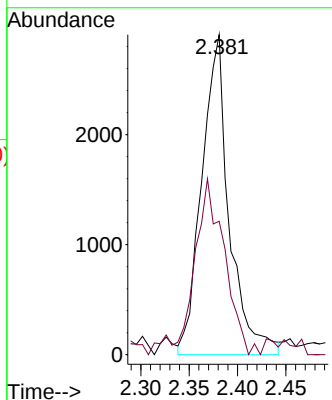
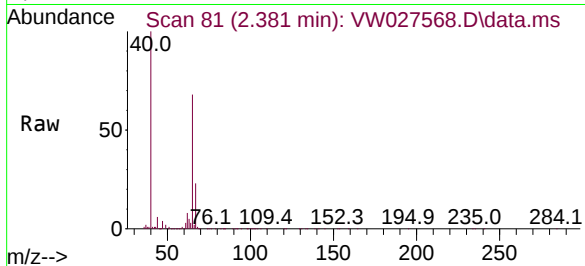




#5
 Vinyl chloride
 Concen: 1.627 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01

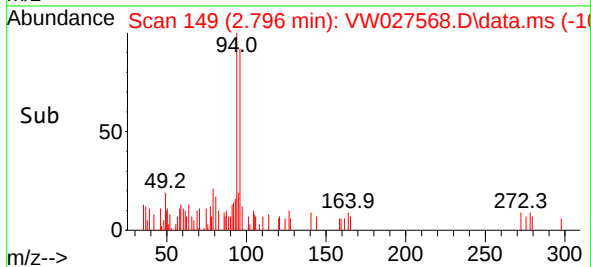
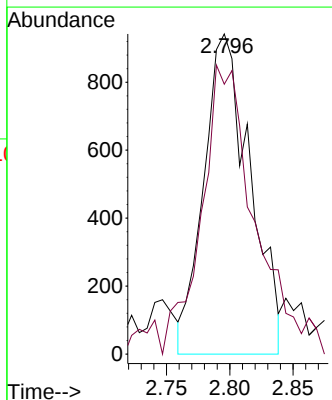
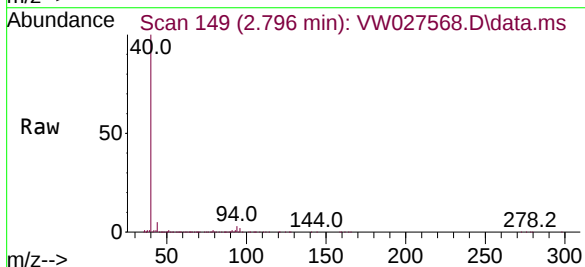
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT4-2023-07

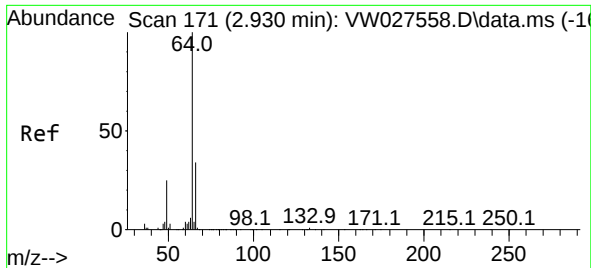
Tgt Ion: 62 Resp: 5746
 Ion Ratio Lower Upper
 62 100
 64 41.7 22.2 41.2#



#6
 Bromomethane
 Concen: 1.291 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01

Tgt Ion: 94 Resp: 2393
 Ion Ratio Lower Upper
 94 100
 96 84.3 63.3 117.7

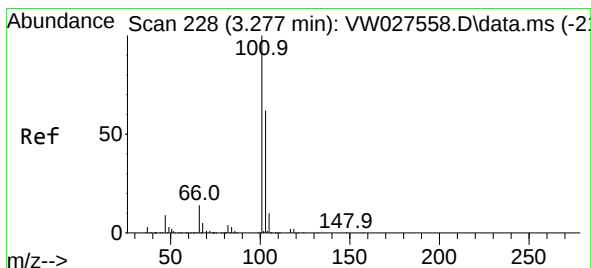
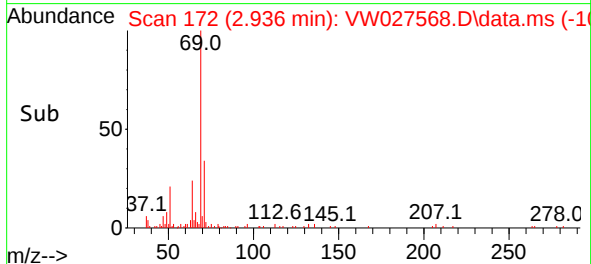
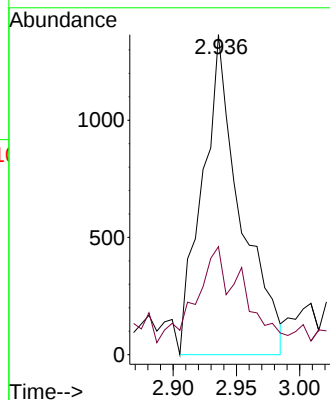
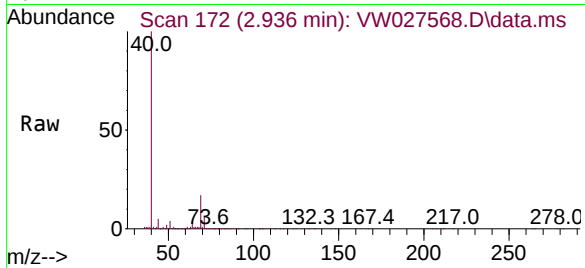




#8
Chloroethane
Concen: 1.415 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

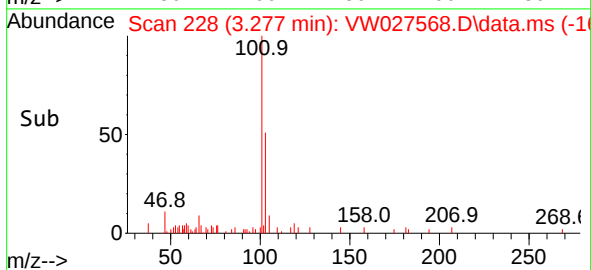
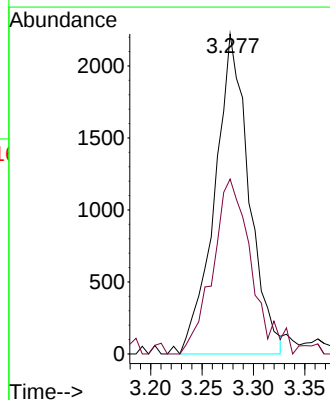
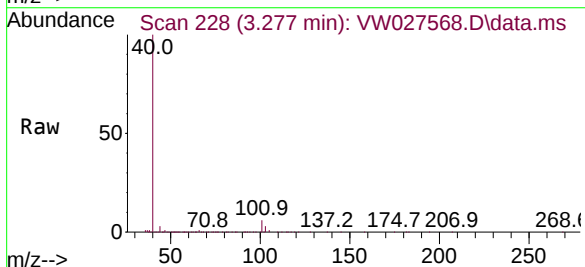
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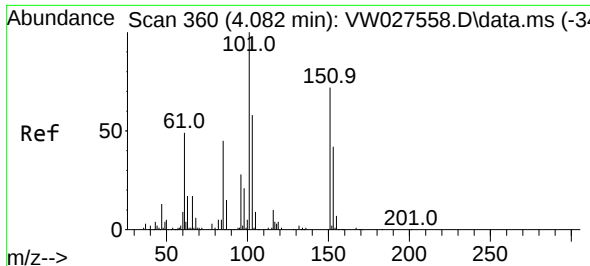
Tgt Ion: 64 Resp: 2854
Ion Ratio Lower Upper
64 100
66 33.8 24.1 44.7



#9
Trichlorofluoromethane
Concen: 1.525 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 101 Resp: 5159
Ion Ratio Lower Upper
101 100
103 57.7 52.0 78.0

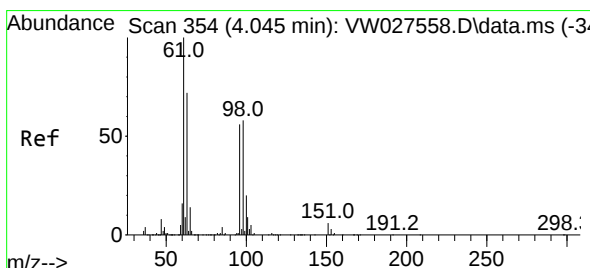
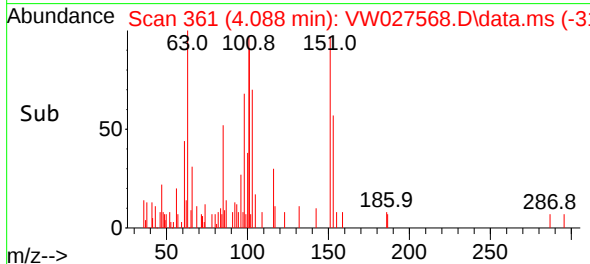
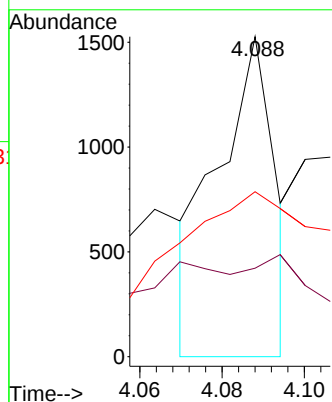
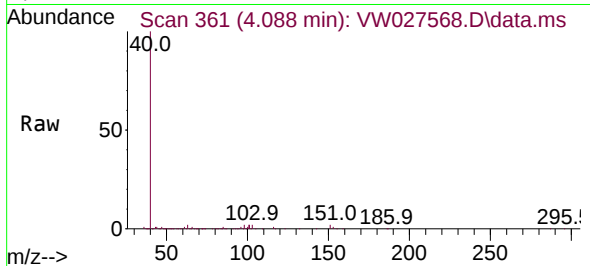




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.514 ug/L
 RT: 4.088 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01

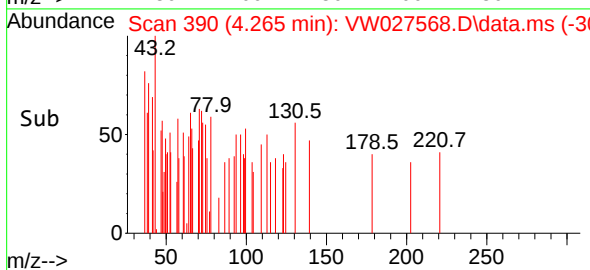
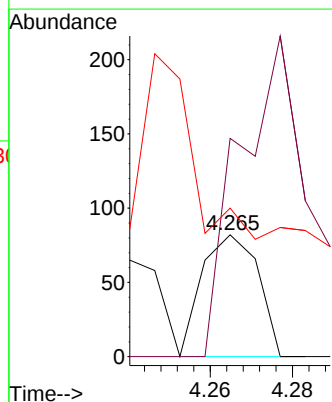
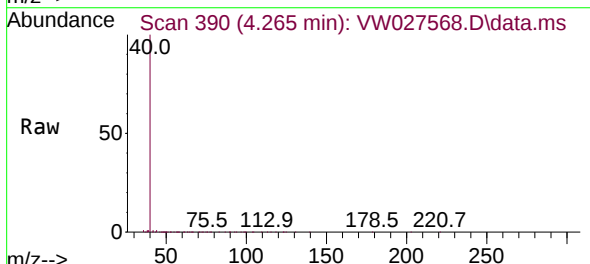
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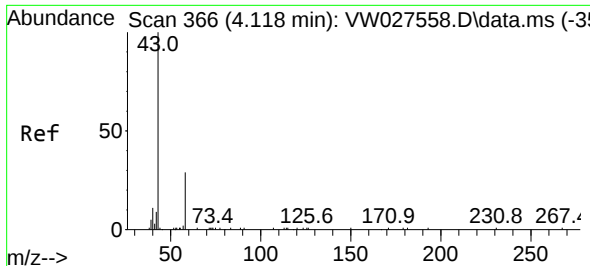
Tgt Ion:101 Resp: 1483
 Ion Ratio Lower Upper
 101 100
 85 37.3 33.9 50.9
 151 172.9 54.6 81.8#



#12
 1,1-Dichloroethene
 Concen: 0.030 ug/L
 RT: 4.265 min Scan# 390
 Delta R.T. 0.220 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01

Tgt Ion: 96 Resp: 78
 Ion Ratio Lower Upper
 96 100
 61 179.3 127.8 237.4
 63 122.0 104.9 194.7

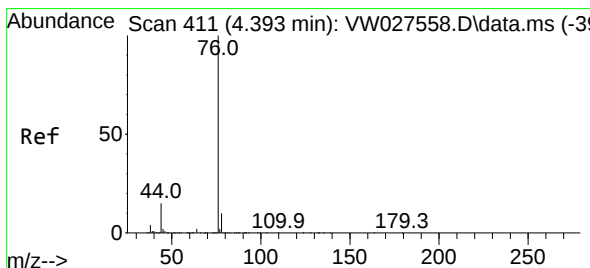
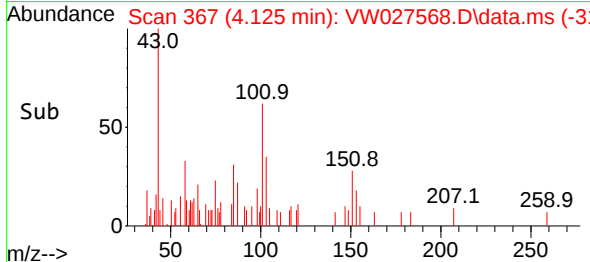
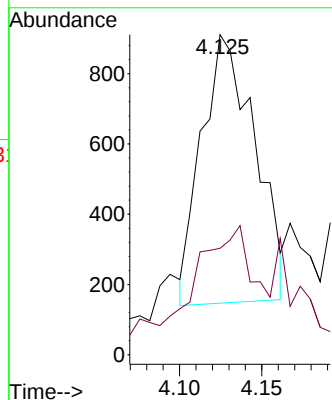
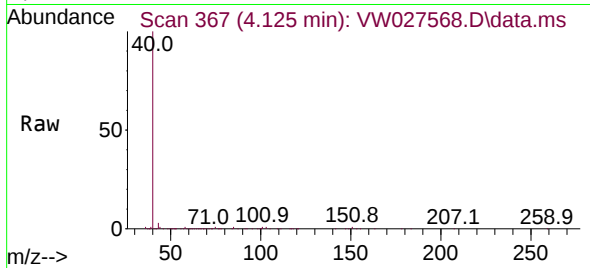




#13
Acetone
Concen: 1.832 ug/L
RT: 4.125 min Scan# 30
Delta R.T. 0.006 min
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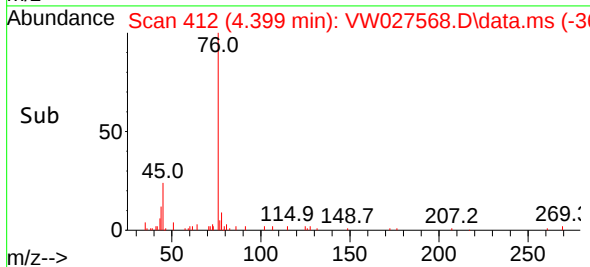
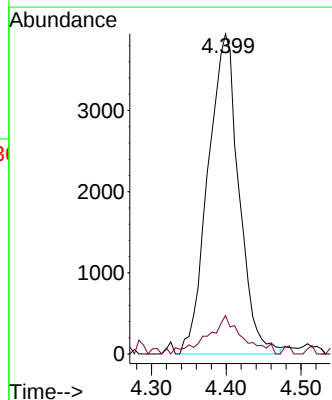
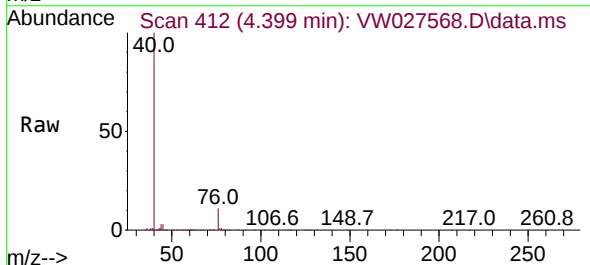
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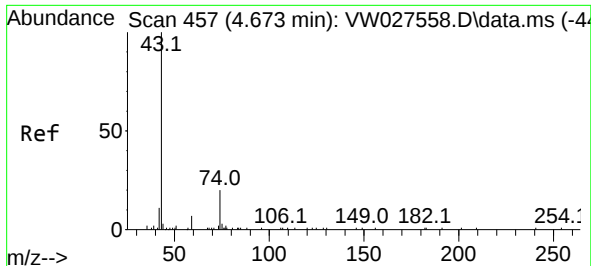
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Ion Ratio Lower Upper
43 100
58 9.7 0.0 60.0



#14
Carbon disulfide
Concen: 1.427 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.006 min
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Acq: 06 Dec 2023 15:01

Tgt Ion: 76 Resp: 11360
Ion Ratio Lower Upper
76 100
78 12.0 7.8 11.6#

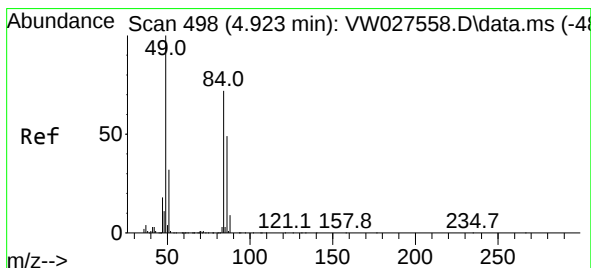
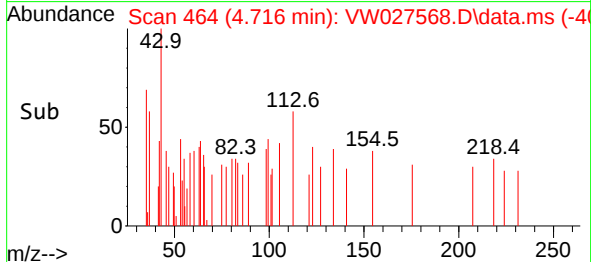
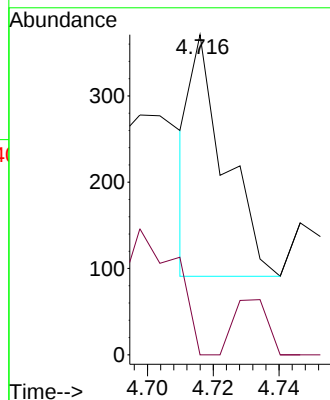
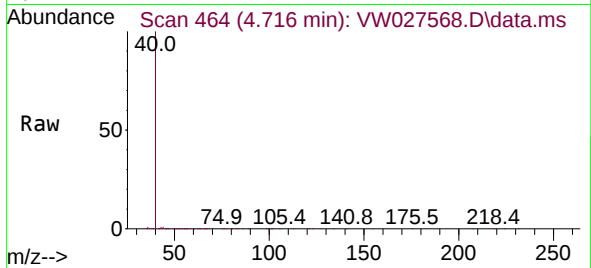




#15
Methyl Acetate
Concen: 0.121 ug/L
RT: 4.716 min Scan# 4
Delta R.T. 0.043 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

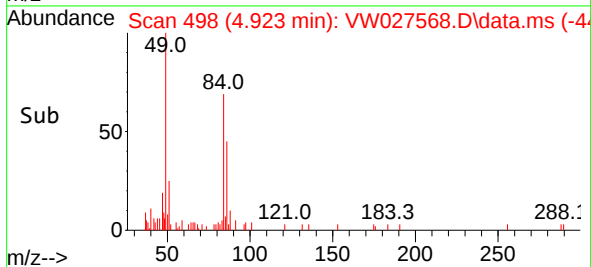
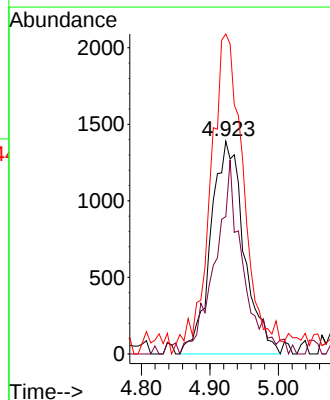
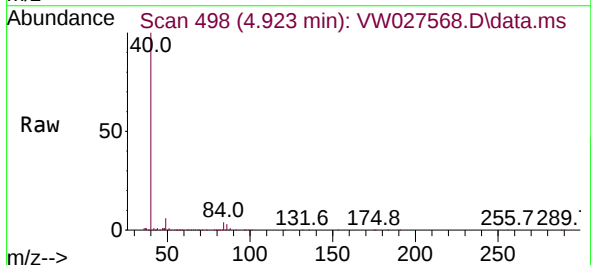
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

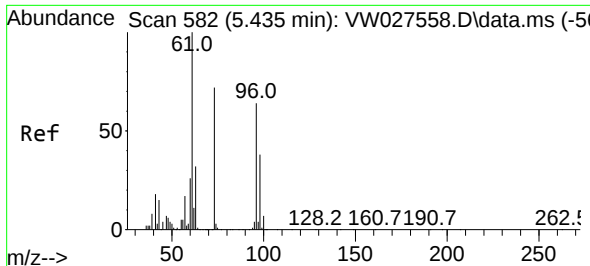
Tgt Ion: 43 Resp: 199
Ion Ratio Lower Upper
43 100
74 23.1 16.8 25.2



#16
Methylene chloride
Concen: 1.552 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 84 Resp: 4673
Ion Ratio Lower Upper
84 100
86 64.7 47.7 88.7
49 150.5 97.4 181.0

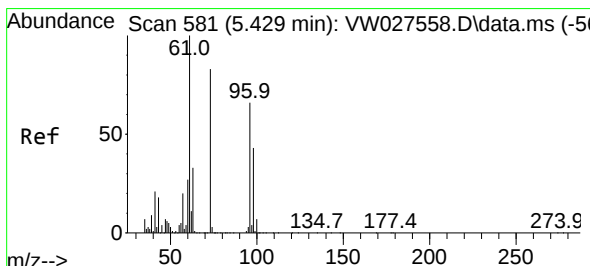
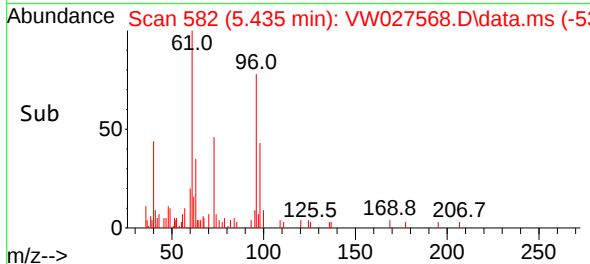
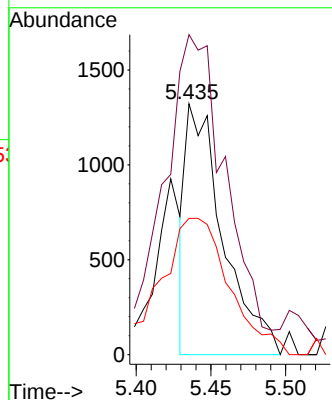
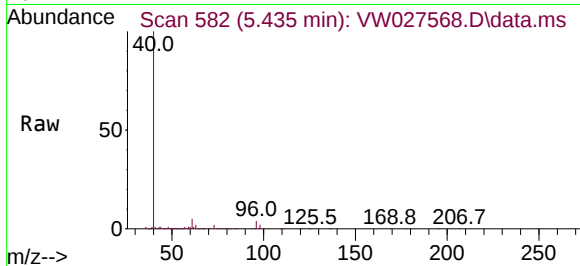




#17
trans-1,2-Dichloroethene
Concen: 0.839 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

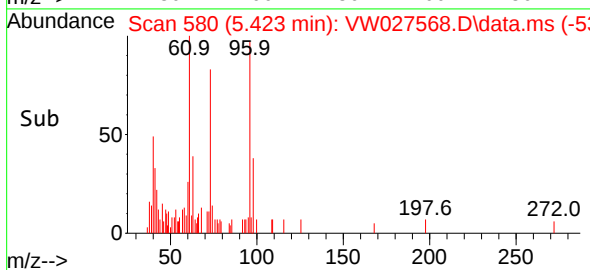
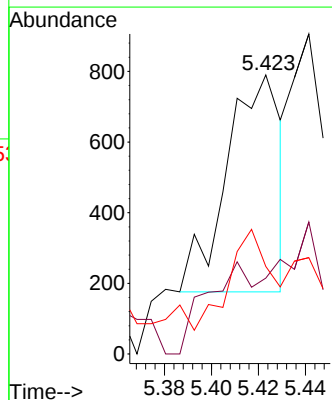
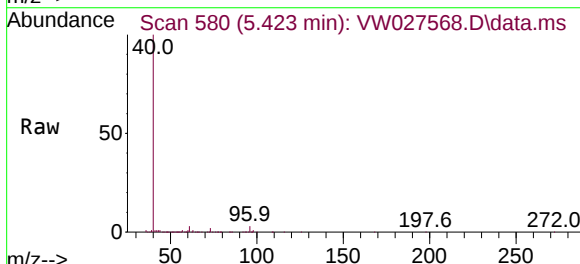
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

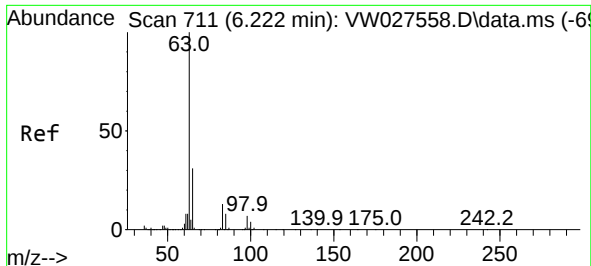
Tgt Ion:	96	Resp:	2279
Ion	Ratio	Lower	Upper
96	100		
61	127.5	109.6	203.6
98	54.3	41.9	77.7



#18
Methyl tert-butyl Ether
Concen: 0.224 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:	73	Resp:	982
Ion	Ratio	Lower	Upper
73	100		
43	19.1	17.8	26.6
57	50.4	19.9	29.9





#19

1,1-Dichloroethane

Concen: 1.048 ug/L

RT: 6.228 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

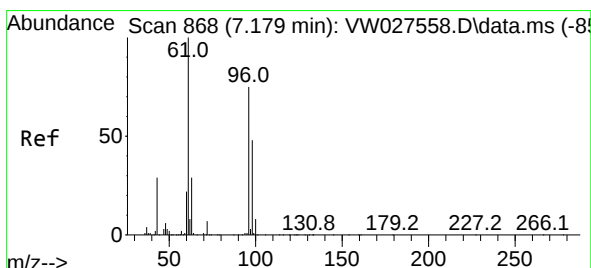
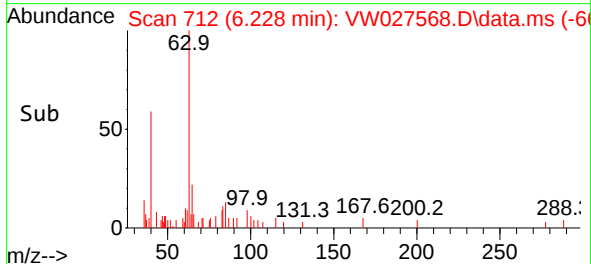
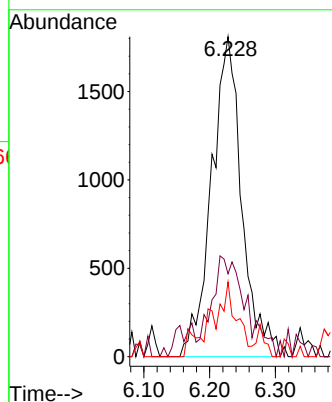
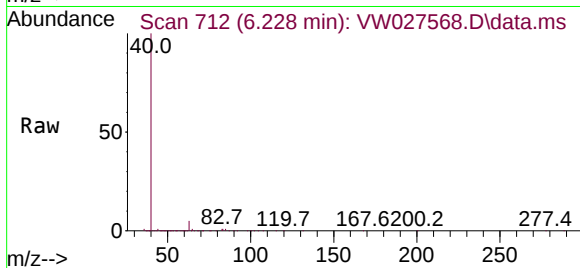
Tgt Ion: 63 Resp: 5786

Ion Ratio Lower Upper

63 100

65 25.9 22.0 40.8

83 23.4 9.0 16.8#



#20

cis-1,2-Dichloroethene

Concen: 1.067 ug/L

RT: 7.179 min Scan# 868

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

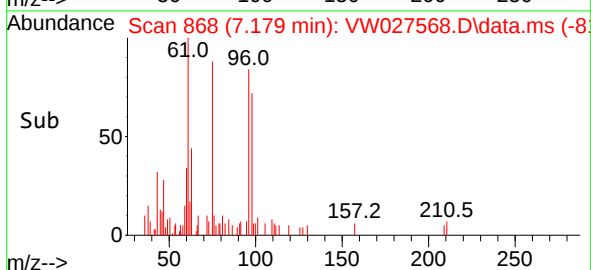
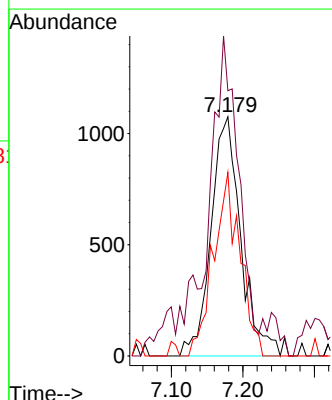
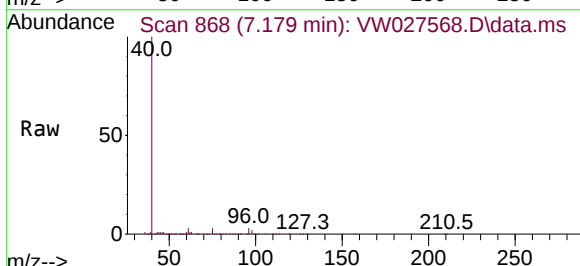
Tgt Ion: 96 Resp: 3112

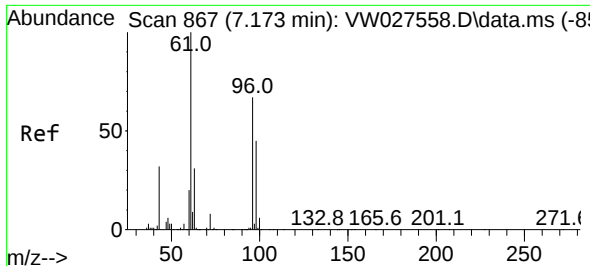
Ion Ratio Lower Upper

96 100

61 110.9 94.0 174.6

98 83.0 45.1 83.7

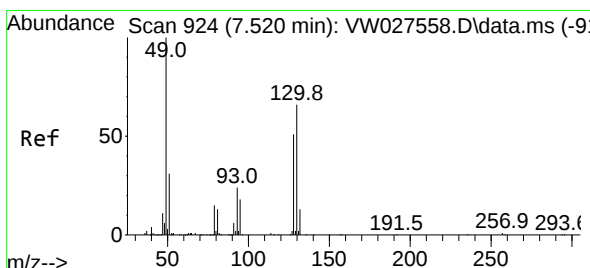
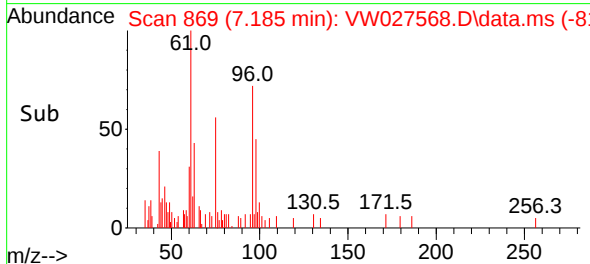
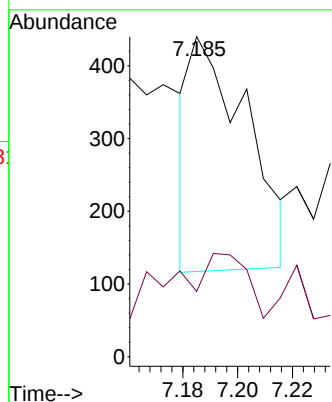
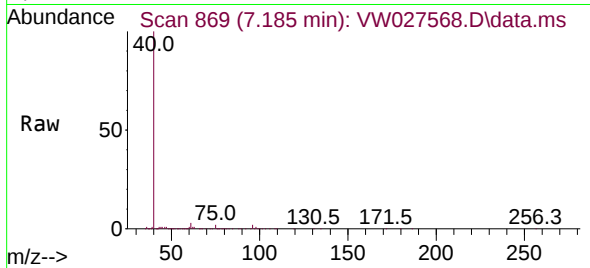




#22
2-Butanone
Concen: 0.384 ug/L
RT: 7.185 min Scan# 867
Delta R.T. 0.012 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

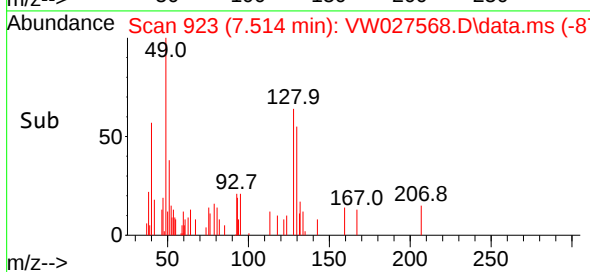
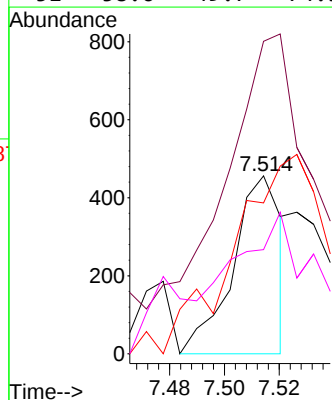
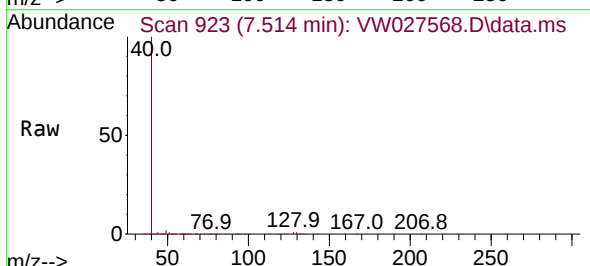
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

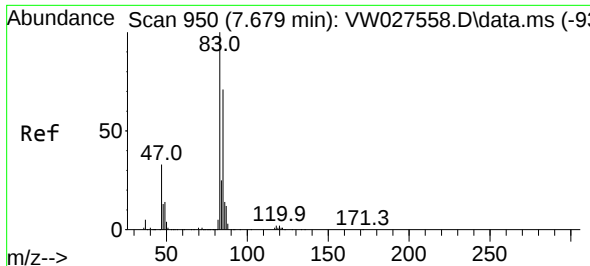
Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
72 35.7 11.9 35.9



#23
Bromochloromethane
Concen: 0.490 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 128 Resp: 562
Ion Ratio Lower Upper
128 100
49 175.7 137.8 256.0
130 84.9 91.2 169.4#
51 58.6 49.7 74.5

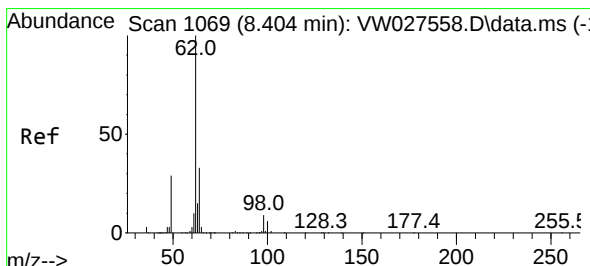
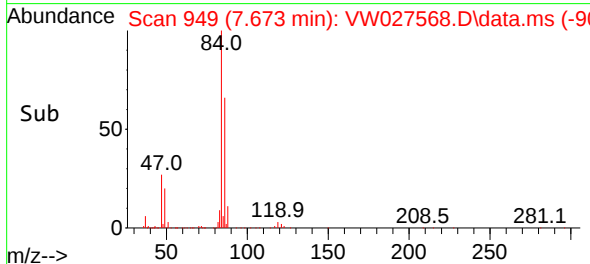
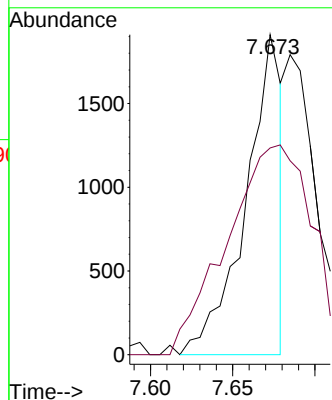
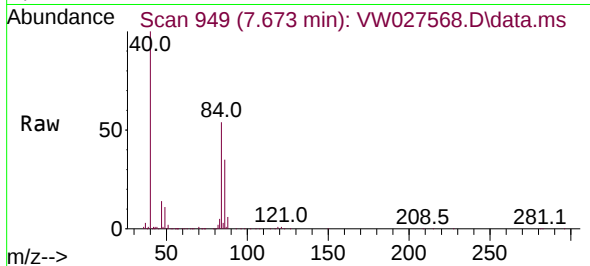




#25
Chloroform
Concen: 0.578 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

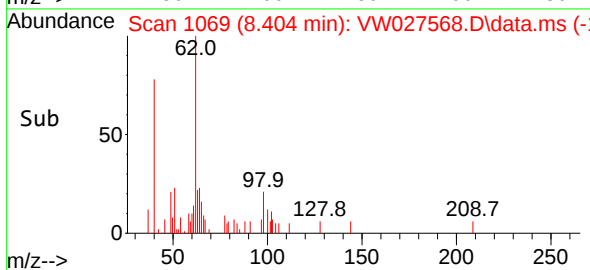
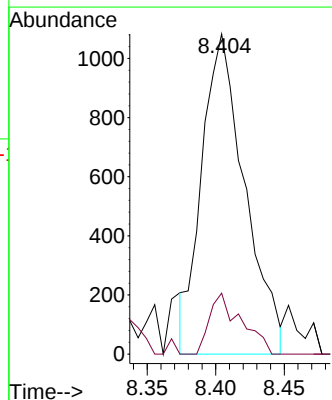
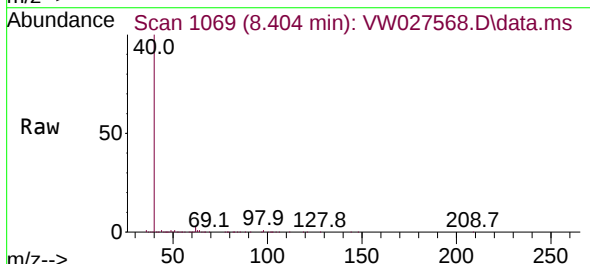
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

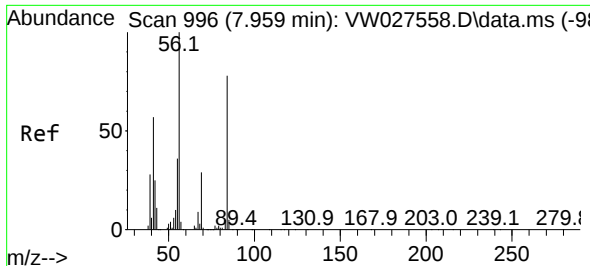
Tgt Ion: 83 Resp: 2900
Ion Ratio Lower Upper
83 100
85 64.6 49.8 92.6



#27
1,2-Dichloroethane
Concen: 0.729 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 62 Resp: 2362
Ion Ratio Lower Upper
62 100
98 19.0 7.4 11.0

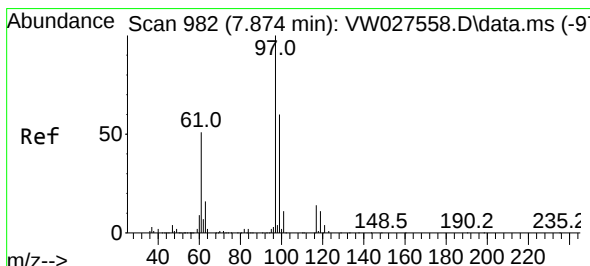
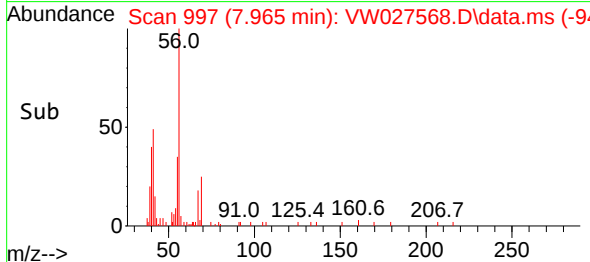
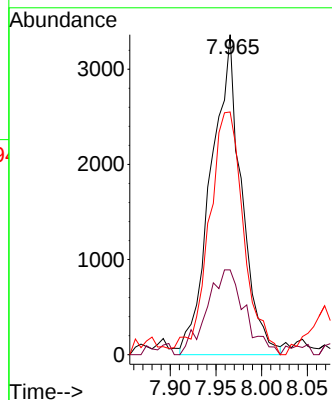
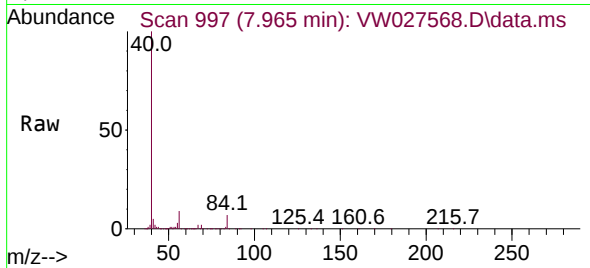




#29
Cyclohexane
Concen: 1.710 ug/L
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

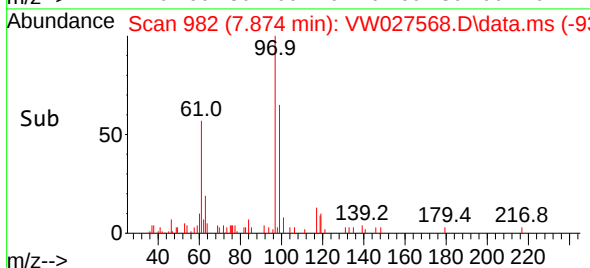
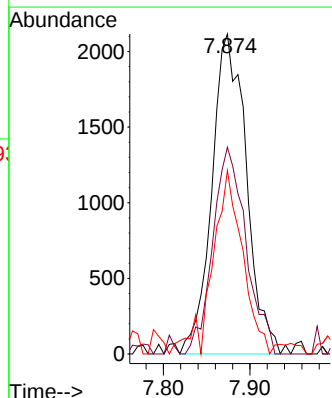
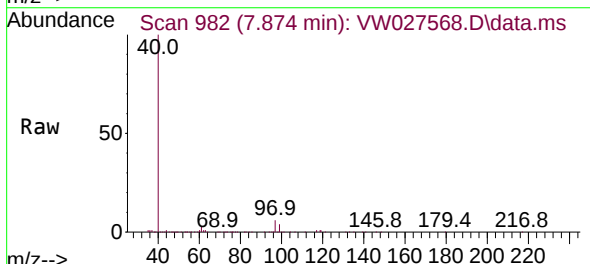
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

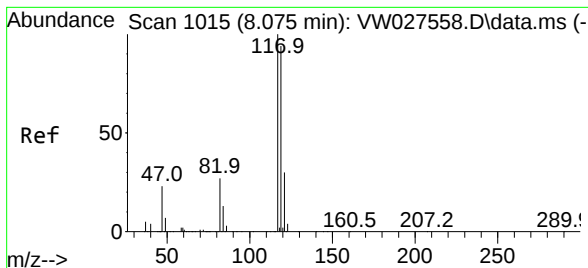
Tgt Ion:	56	Resp:	7790
Ion Ratio	Lower	Upper	
56	100		
69	30.5	24.1	36.1
84	83.8	65.0	97.4



#30
1,1,1-Trichloroethane
Concen: 1.512 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:	97	Resp:	5844
Ion Ratio	Lower	Upper	
97	100		
99	62.4	50.5	75.7
61	46.1	39.0	58.4





#31

Carbon tetrachloride

Concen: 1.524 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

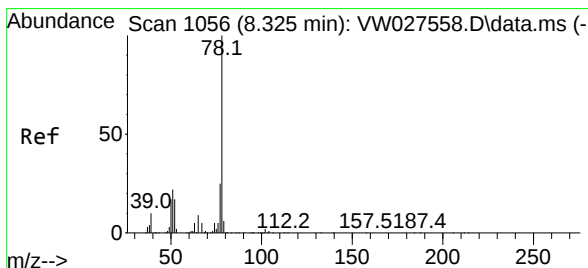
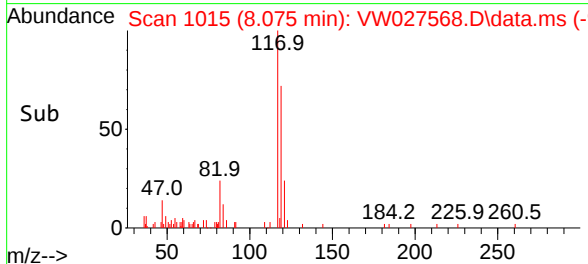
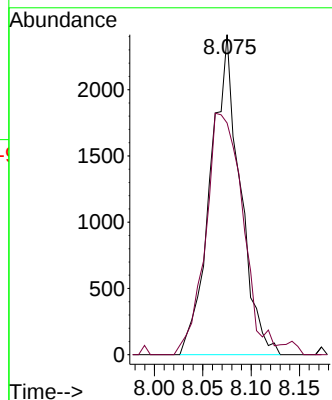
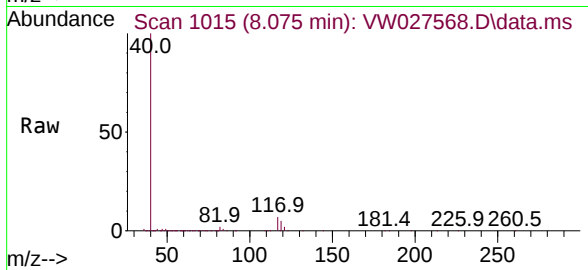
MDL-SOIL-QT4-2023-07

Tgt Ion:117 Resp: 5139

Ion Ratio Lower Upper

117 100

119 92.9 77.0 115.6



#33

Benzene

Concen: 0.015 ug/L

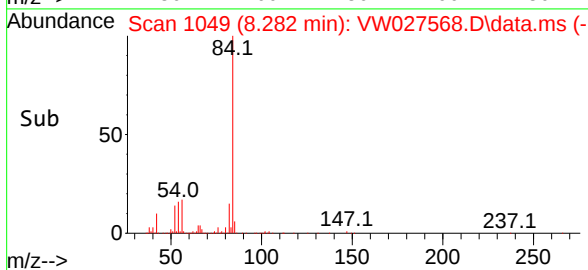
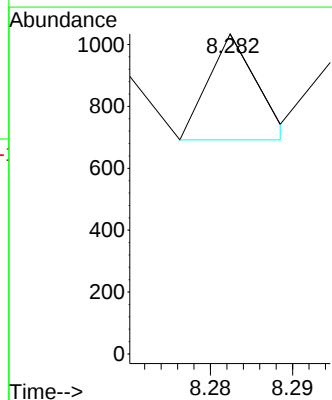
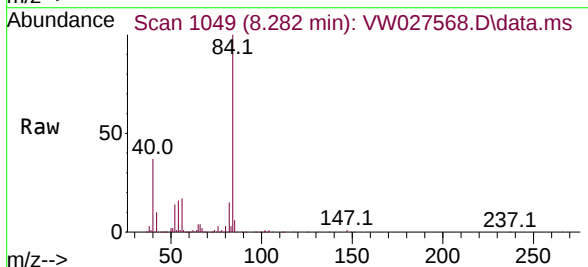
RT: 8.282 min Scan# 1049

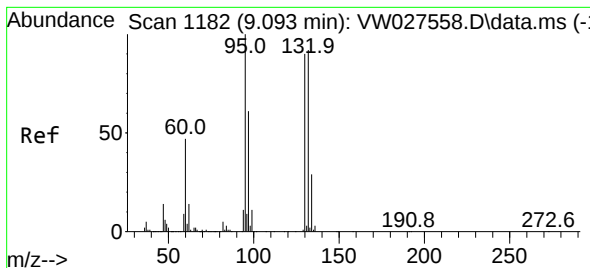
Delta R.T. -0.043 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Tgt Ion: 78 Resp: 143





#34

Trichloroethene

Concen: 1.308 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW027568.D

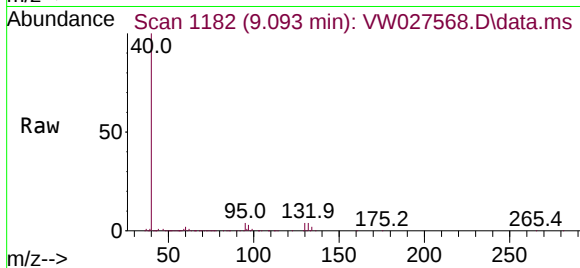
Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 95 Resp: 3415

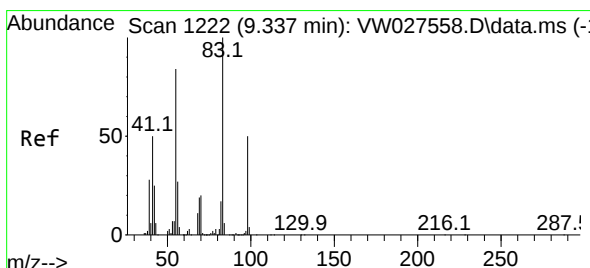
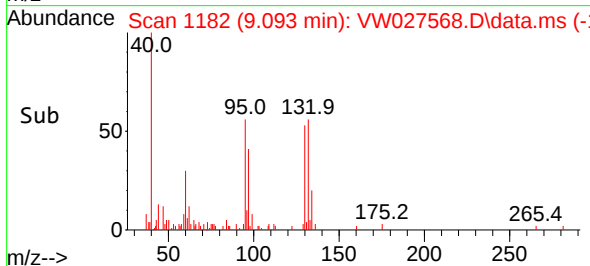
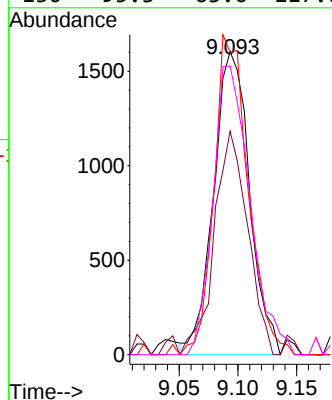
Ion Ratio Lower Upper

95 100

97 73.7 43.0 80.0

132 99.7 64.1 119.1

130 95.3 63.0 117.0



#35

Methylcyclohexane

Concen: 1.623 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

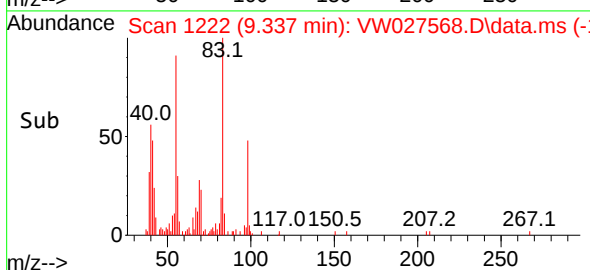
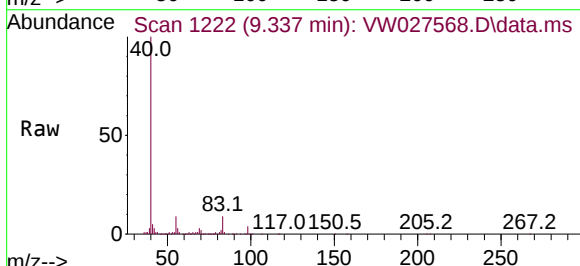
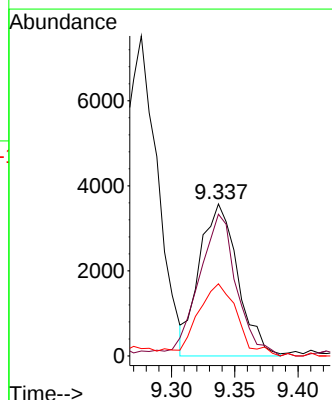
Tgt Ion: 83 Resp: 7550

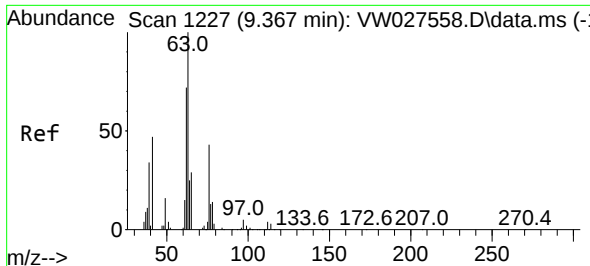
Ion Ratio Lower Upper

83 100

55 90.3 65.6 98.4

98 46.1 38.3 57.5





#37

1,2-Dichloropropane

Concen: 1.037 ug/L

RT: 9.374 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

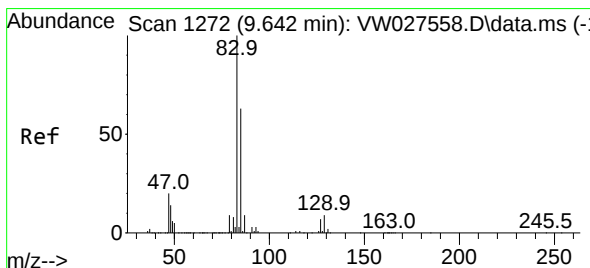
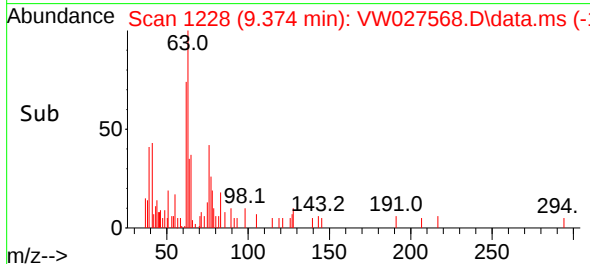
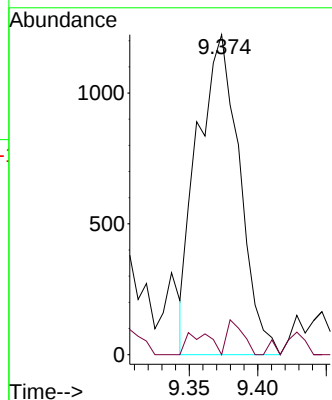
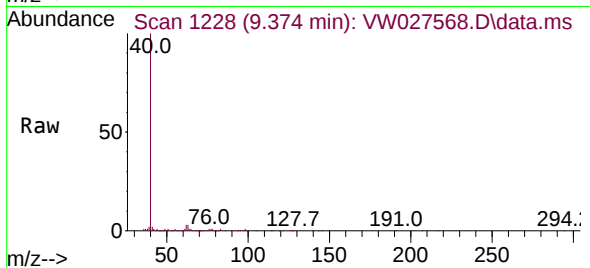
MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 2619

Ion Ratio Lower Upper

63 100

112 4.1 3.6 5.4



#38

Bromodichloromethane

Concen: 0.903 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

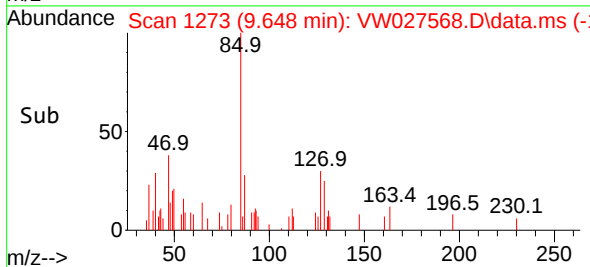
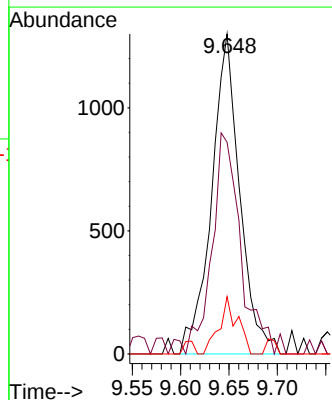
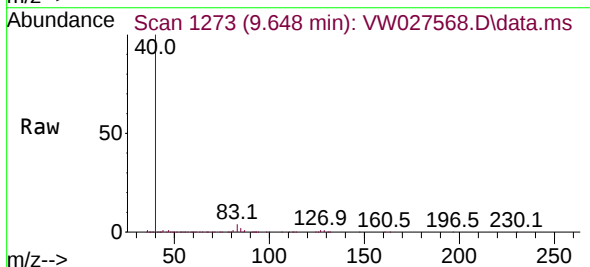
Tgt Ion: 83 Resp: 2636

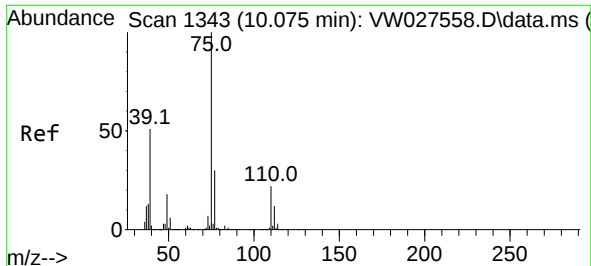
Ion Ratio Lower Upper

83 100

85 66.2 44.3 82.3

127 17.9 5.3 7.9#





#39

cis-1,3-Dichloropropene

Concen: 0.800 ug/L

RT: 10.081 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

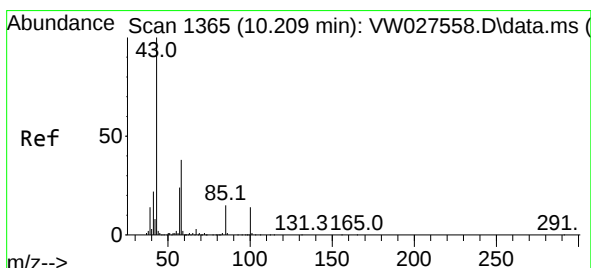
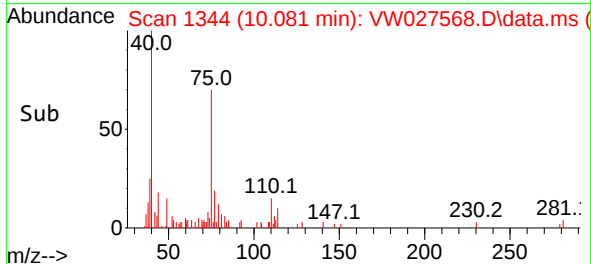
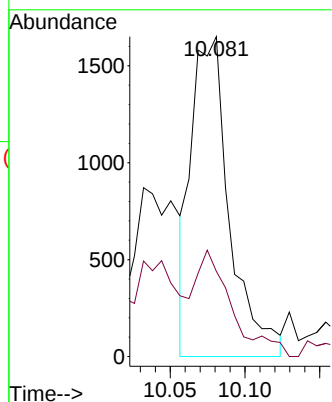
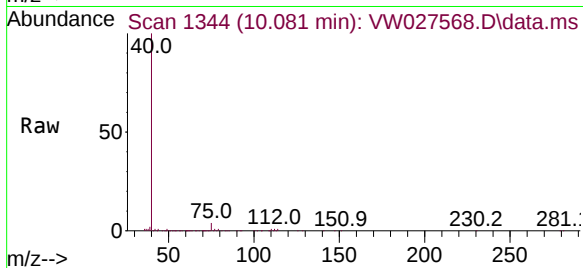
MDL-SOIL-QT4-2023-07

Tgt Ion: 75 Resp: 2917

Ion Ratio Lower Upper

75 100

77 26.6 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 0.967 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

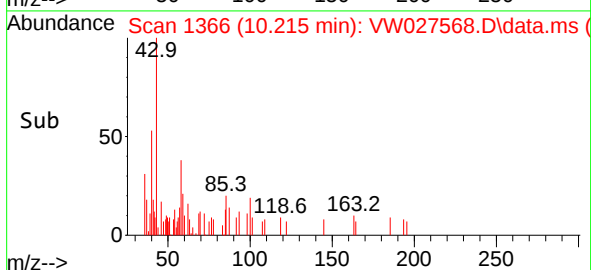
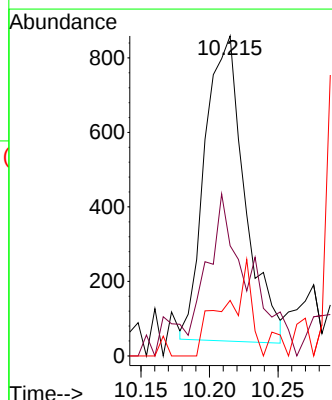
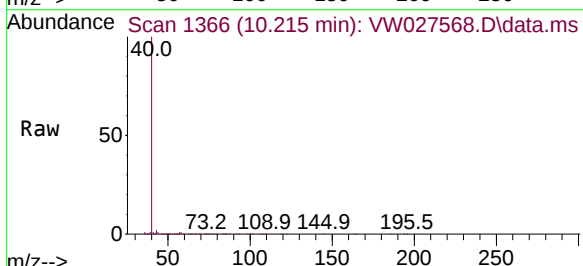
Tgt Ion: 43 Resp: 1651

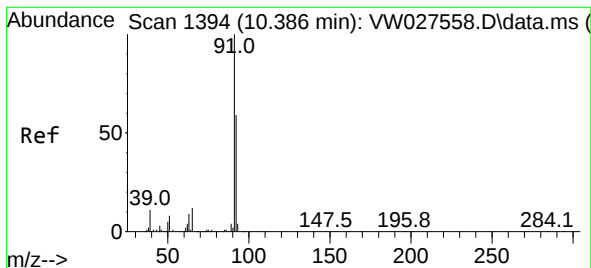
Ion Ratio Lower Upper

43 100

58 31.6 29.6 44.4

100 5.1 11.1 16.7





#42

Toluene

Concen: 1.172 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

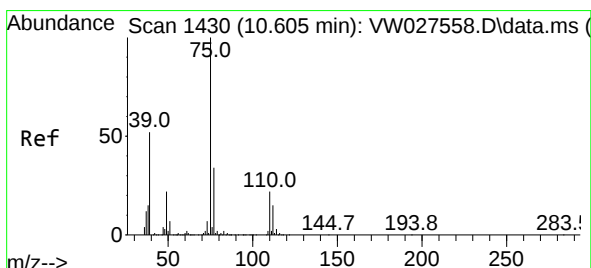
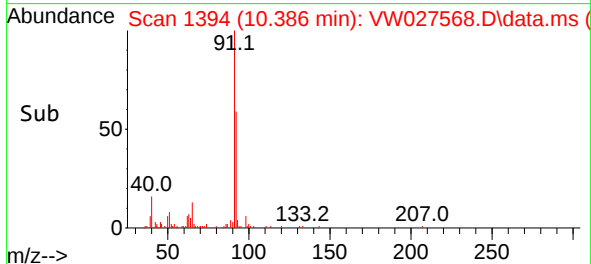
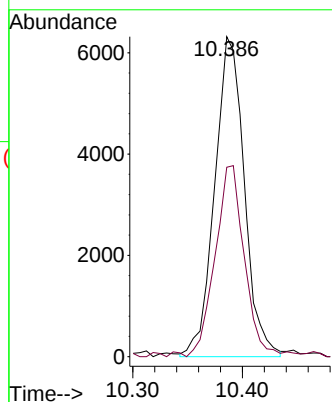
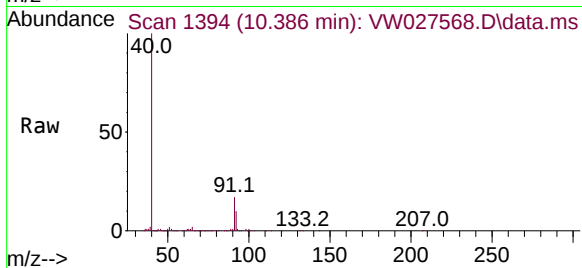
MDL-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 11854

Ion Ratio Lower Upper

91 100

92 59.2 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 0.983 ug/L

RT: 10.611 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VW027568.D

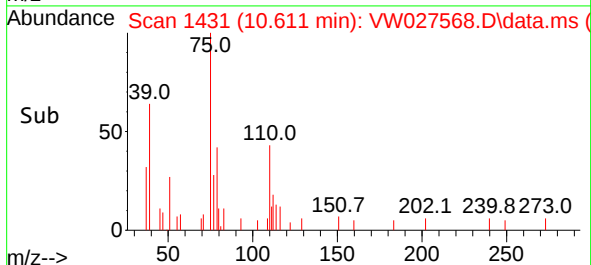
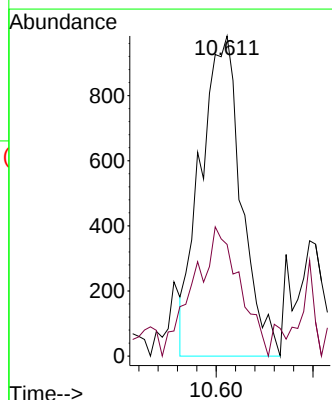
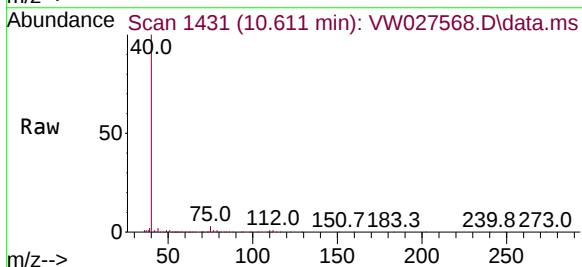
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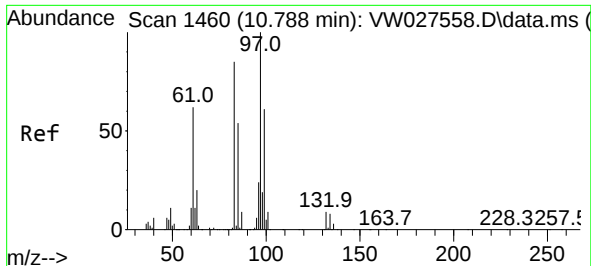
Tgt Ion: 75 Resp: 2891

Ion Ratio Lower Upper

75 100

77 34.9 23.7 44.1

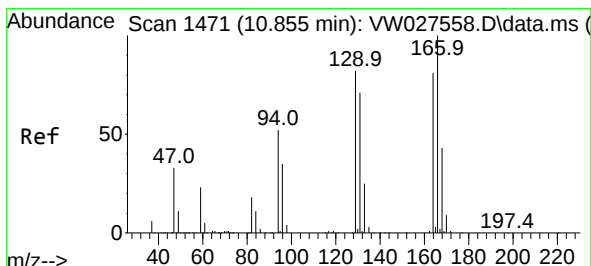
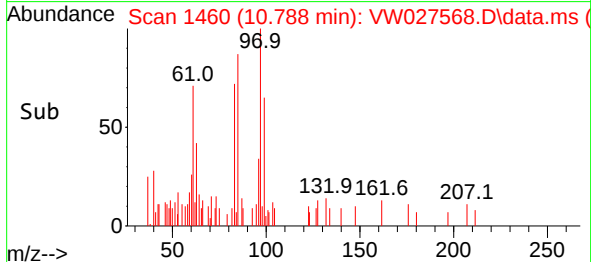
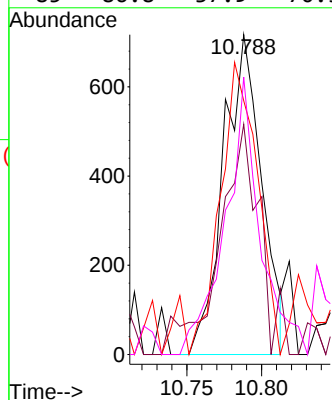
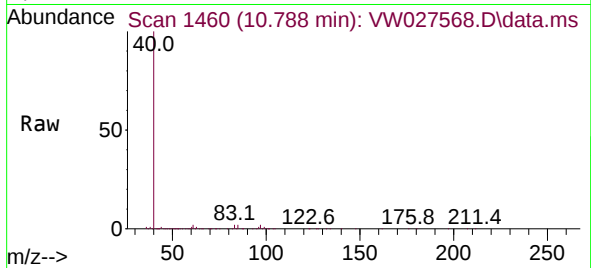




#45
1,1,2-Trichloroethane
Concen: 0.726 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

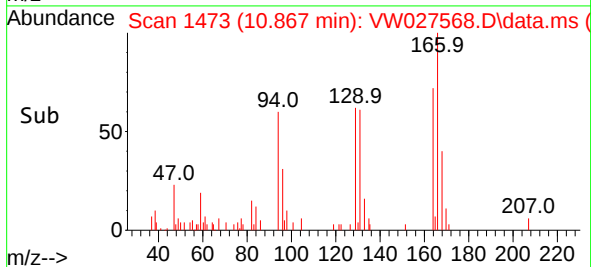
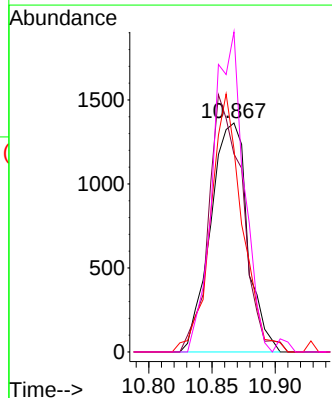
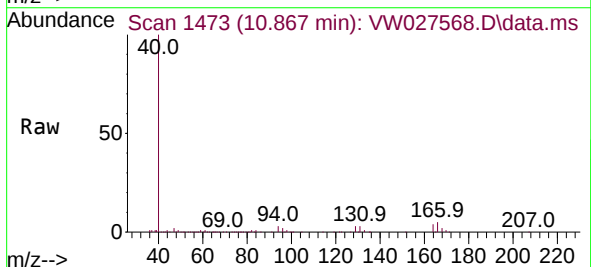
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

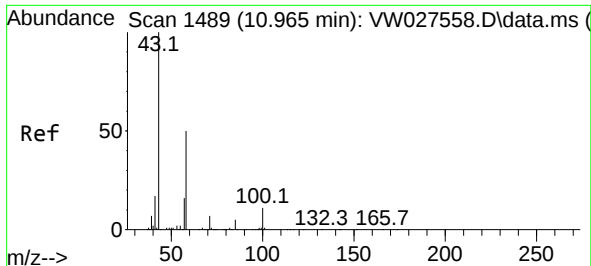
Tgt Ion: 97	Resp:	1276	
Ion	Ratio	Lower	Upper
97	100		
99	72.0	42.8	79.4
83	79.4	59.9	111.3
85	86.8	37.9	70.5#



#46
Tetrachloroethene
Concen: 1.490 ug/L
RT: 10.867 min Scan# 1473
Delta R.T. 0.012 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt	Ion:164	Resp:	2775
Ion	Ratio	Lower	Upper
164	100		
129	86.4	71.0	131.8
131	88.8	61.2	113.6
166	139.8	86.6	160.8

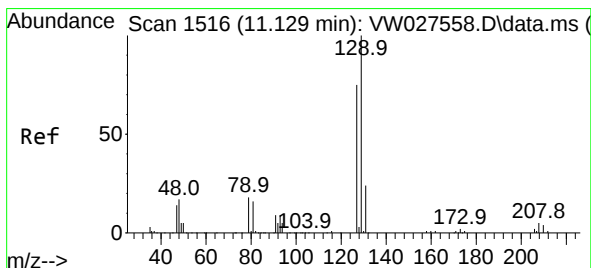
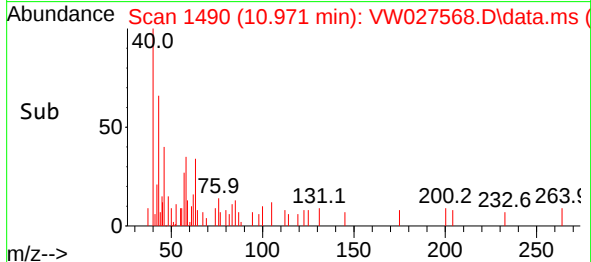
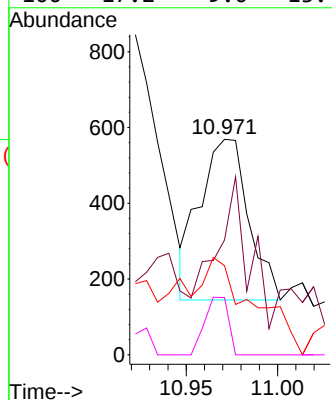
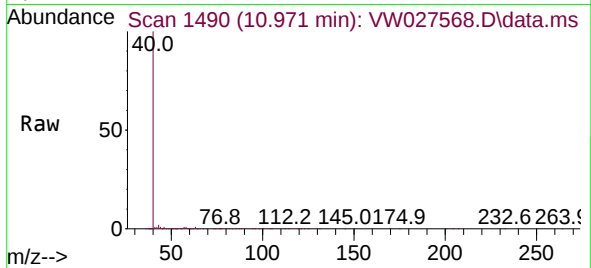




#48
2-Hexanone
Concen: 0.656 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

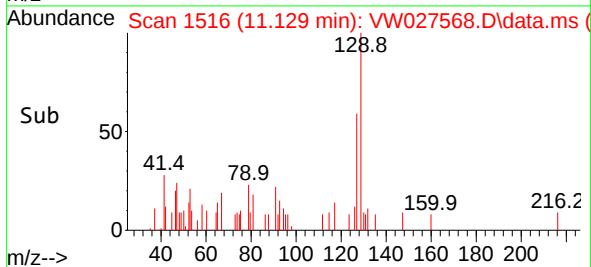
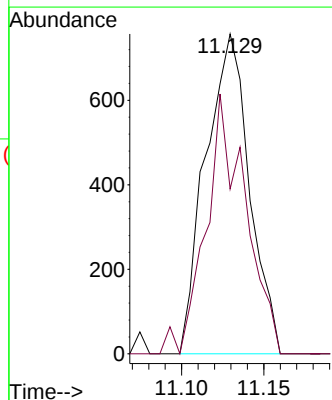
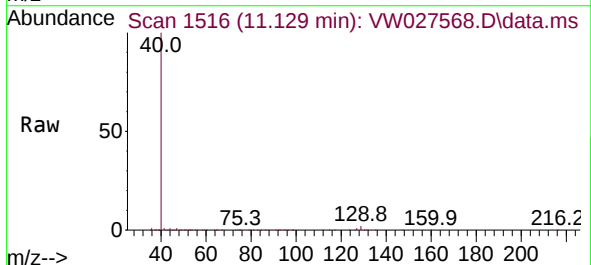
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

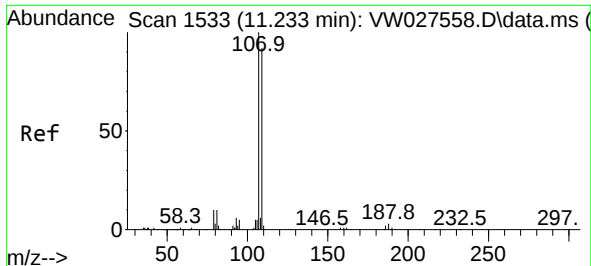
Tgt Ion: 43	Resp: 789
Ion Ratio	Lower Upper
43 100	
58 61.9	40.8 61.2#
57 13.9	14.8 22.2#
100 17.2	9.0 13.4#



#49
Dibromochloromethane
Concen: 0.807 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:129	Resp: 1403		
Ion Ratio	Lower	Upper	
129 100			
127 51.5	52.3	97.1#	

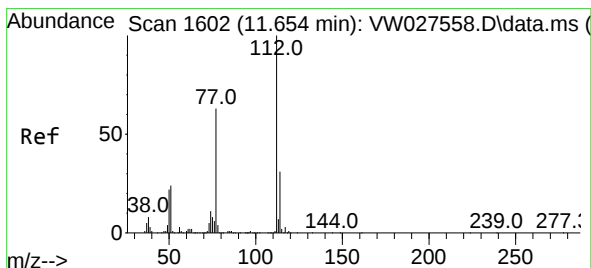
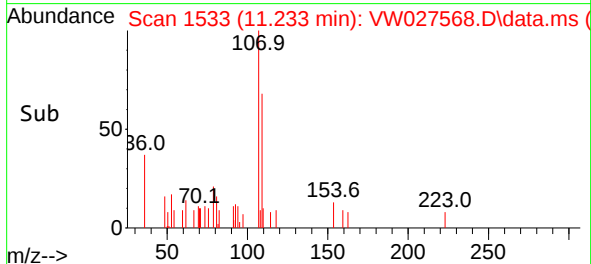
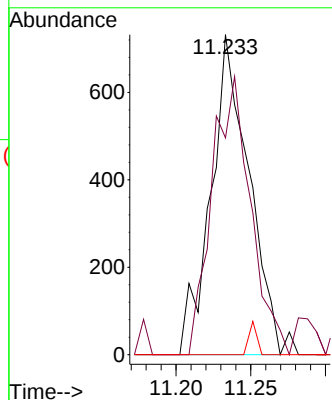
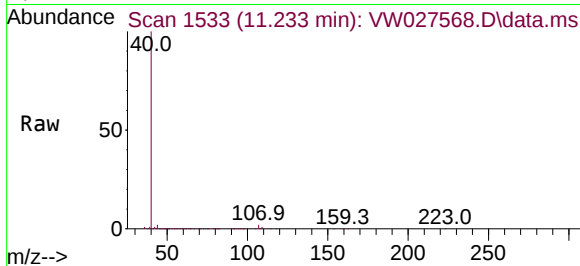




#50
1,2-Dibromoethane
Concen: 0.799 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

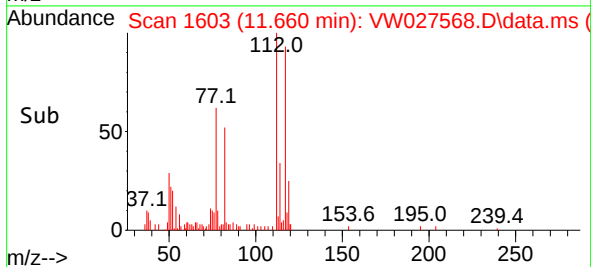
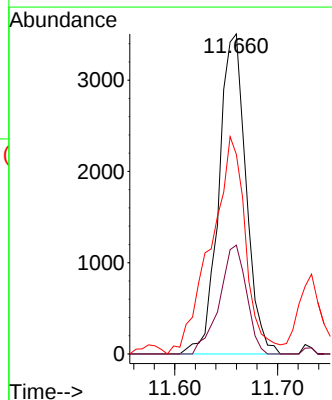
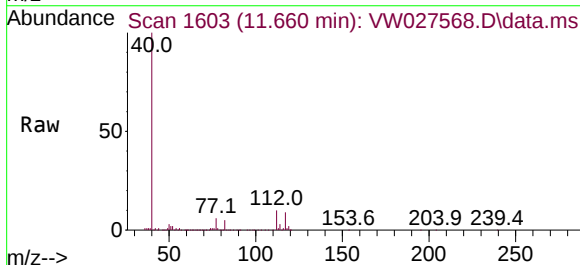
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

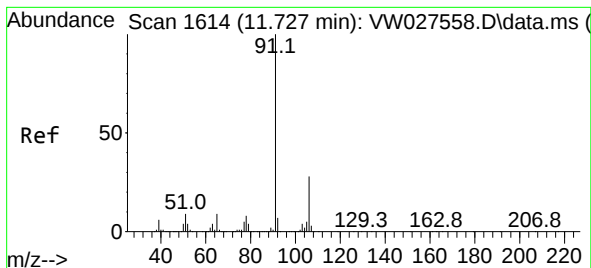
Tgt Ion:107 Resp: 1285
Ion Ratio Lower Upper
107 100
109 77.9 64.8 120.3
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 1.055 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:112 Resp: 6440
Ion Ratio Lower Upper
112 100
114 34.0 21.5 39.9
77 62.4 50.6 76.0

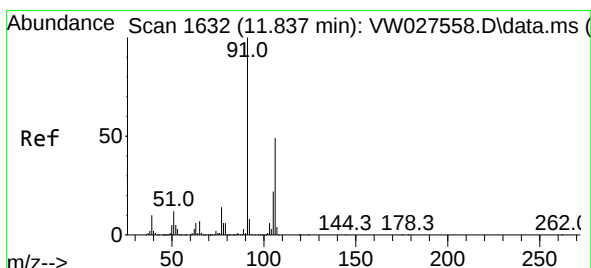
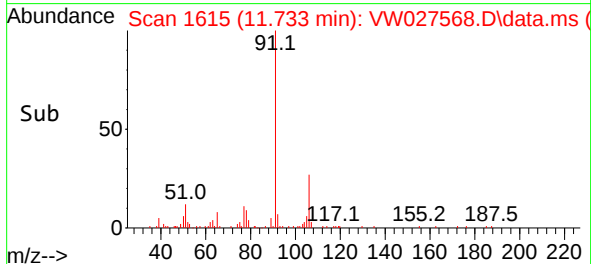
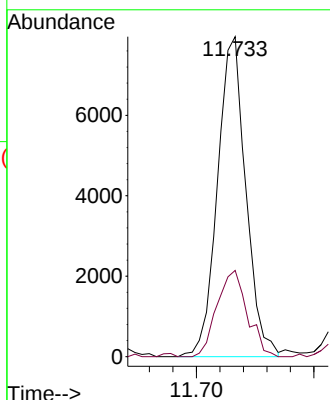
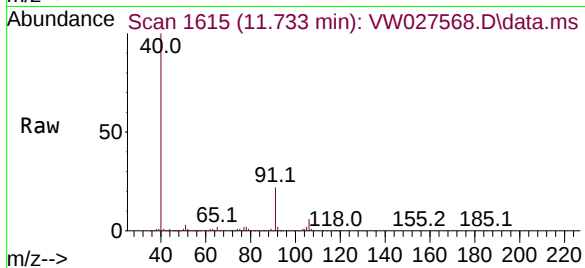




#52
Ethylbenzene
Concen: 1.161 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

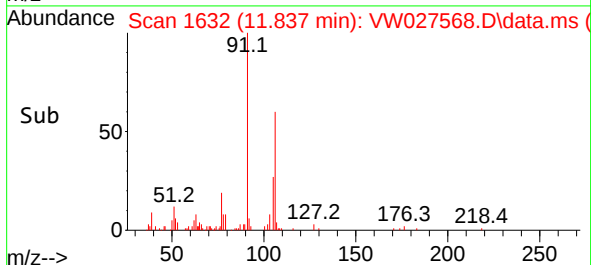
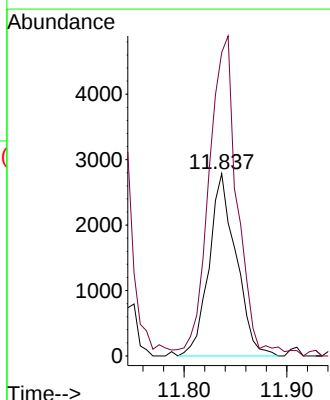
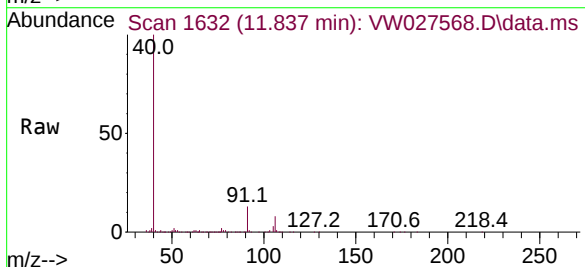
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

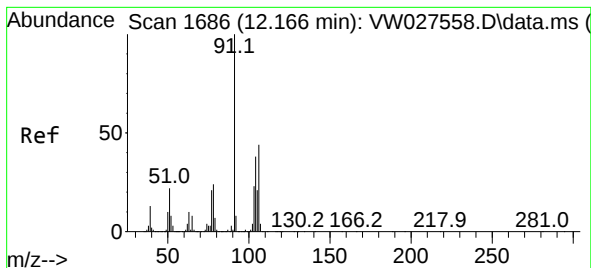
Tgt Ion: 91 Resp: 13333
Ion Ratio Lower Upper
91 100
106 27.0 19.5 36.1



#53
m,p-Xylene
Concen: 1.202 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 106 Resp: 5090
Ion Ratio Lower Upper
106 100
91 166.5 142.1 263.9

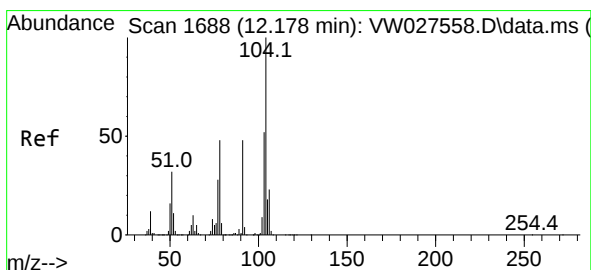
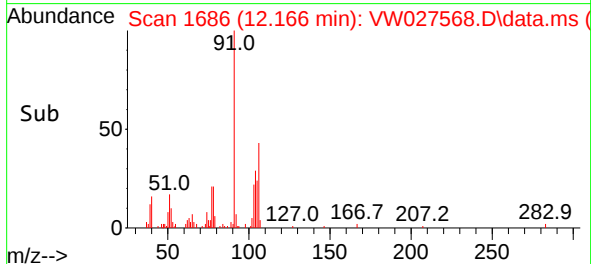
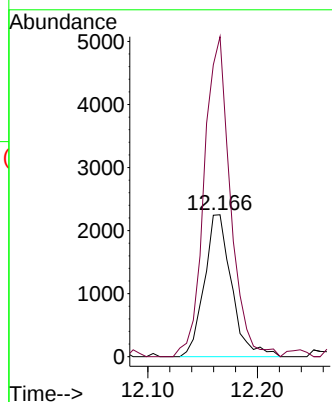
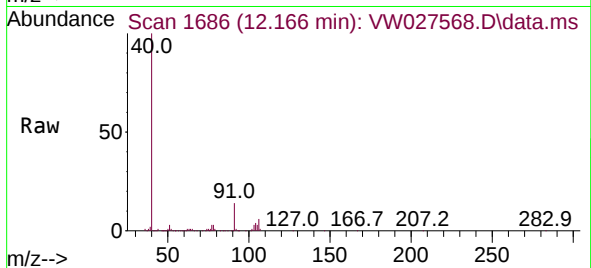




#54
o-Xylene
Concen: 1.013 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

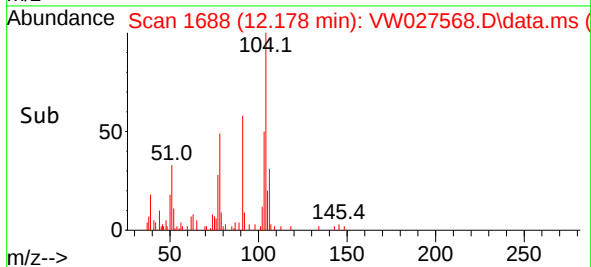
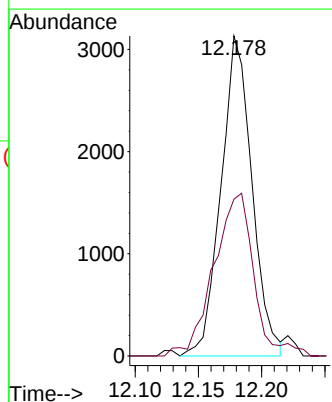
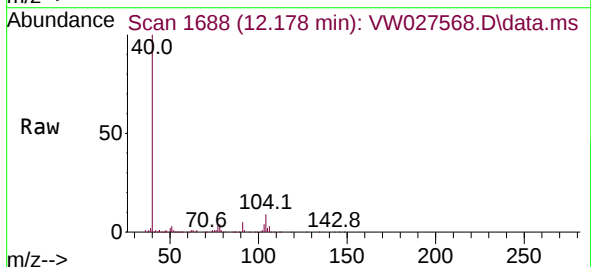
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

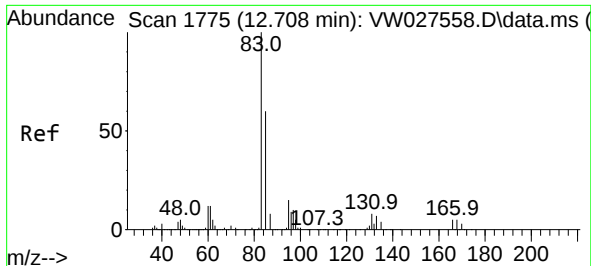
Tgt Ion:106 Resp: 3897
Ion Ratio Lower Upper
106 100
91 225.4 158.8 295.0



#55
Styrene
Concen: 0.813 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:104 Resp: 5339
Ion Ratio Lower Upper
104 100
78 49.0 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.632 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

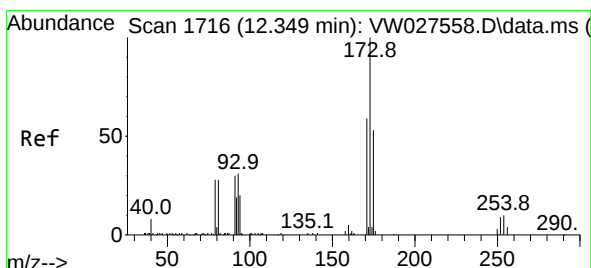
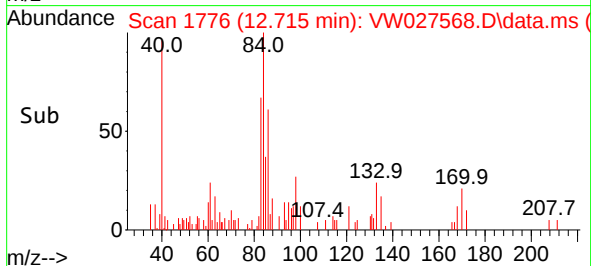
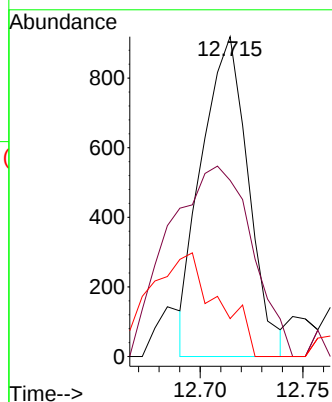
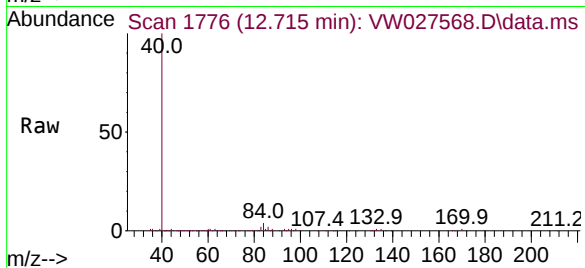
Tgt Ion: 83 Resp: 1447

Ion Ratio Lower Upper

83 100

85 55.1 41.9 77.7

131 21.1 7.0 10.6#



#59

Bromoform

Concen: 0.797 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

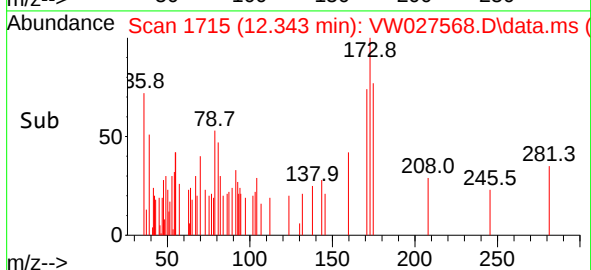
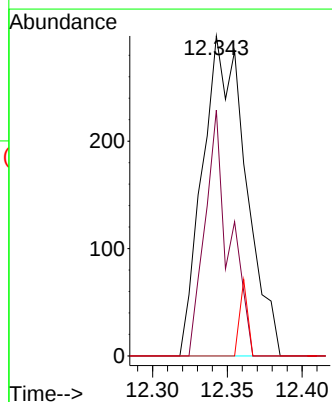
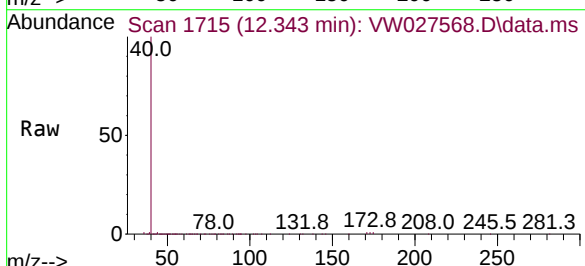
Tgt Ion:173 Resp: 598

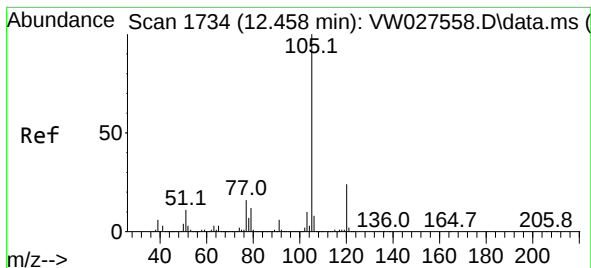
Ion Ratio Lower Upper

173 100

175 31.9 39.4 59.0#

254 0.0 7.8 11.8#





#60

Isopropylbenzene

Concen: 1.446 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

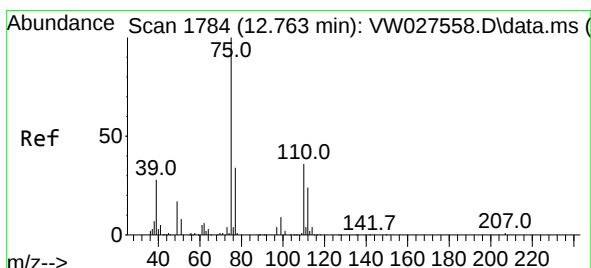
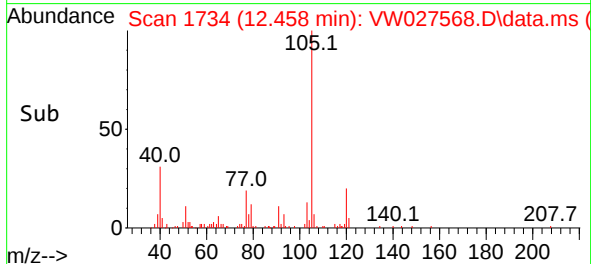
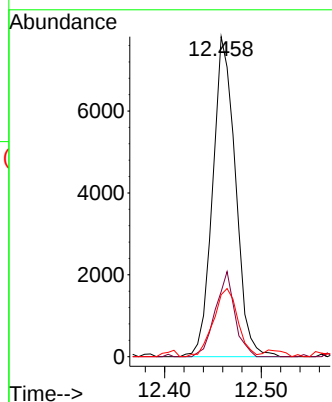
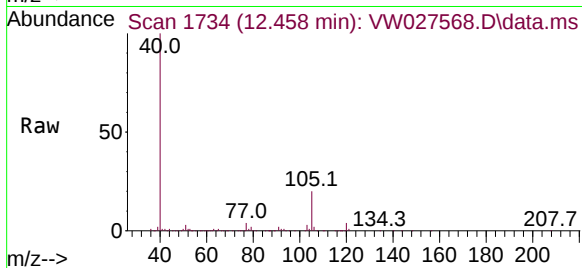
Tgt Ion:105 Resp: 12782

Ion Ratio Lower Upper

105 100

120 22.8 20.3 30.5

77 22.7 13.1 19.7#



#61

1,2,3-Trichloropropane

Concen: 0.842 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

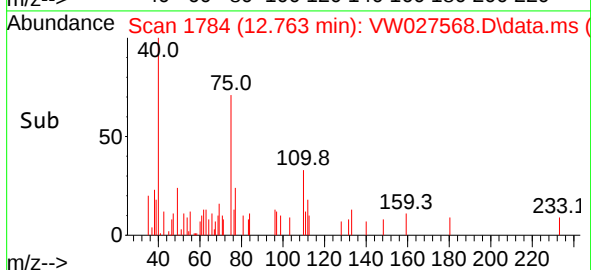
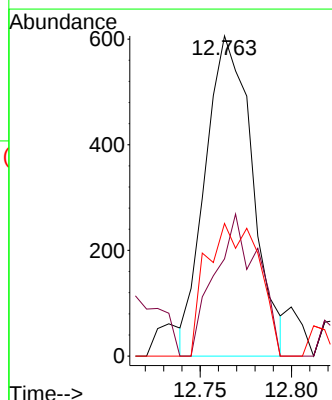
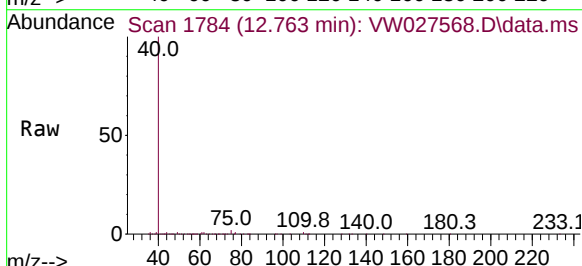
Tgt Ion: 75 Resp: 1088

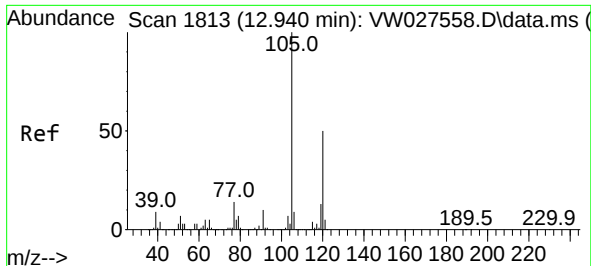
Ion Ratio Lower Upper

75 100

77 40.5 26.6 39.8#

110 27.8 30.2 45.4#





#62

1,3,5-Trimethylbenzene

Concen: 1.308 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

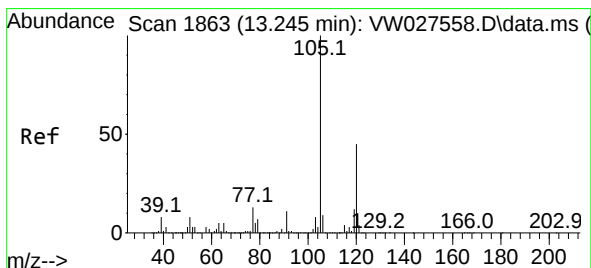
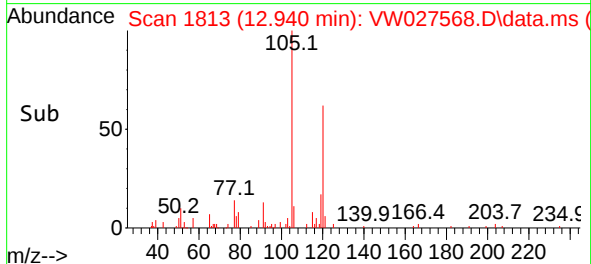
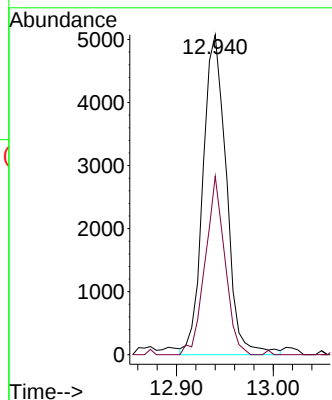
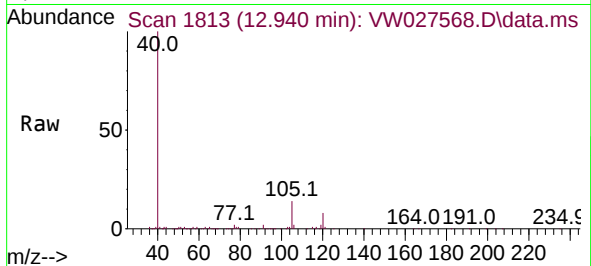
MDL-SOIL-QT4-2023-07

Tgt Ion:105 Resp: 8554

Ion Ratio Lower Upper

105 100

120 47.0 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 1.101 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW027568.D

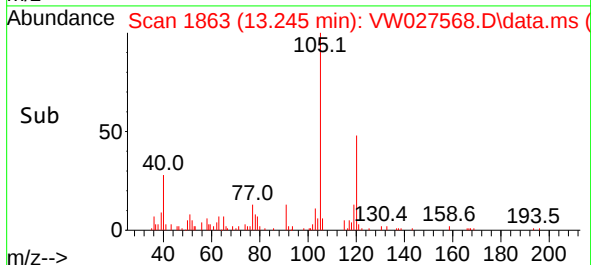
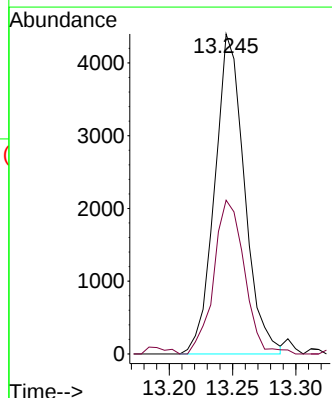
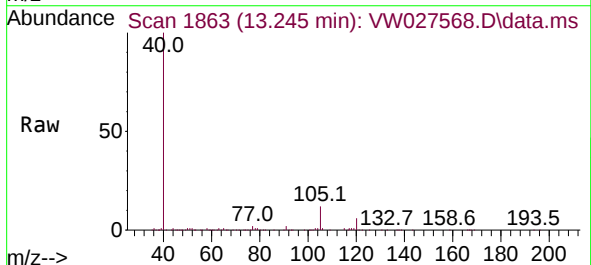
Acq: 06 Dec 2023 15:01

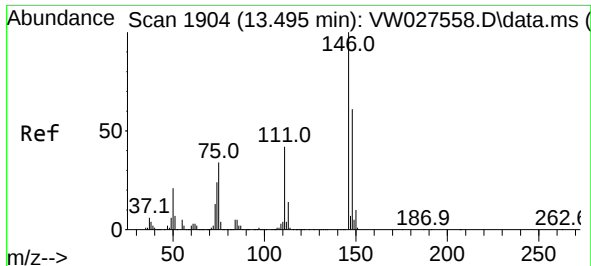
Tgt Ion:105 Resp: 7173

Ion Ratio Lower Upper

105 100

120 48.4 36.9 55.3

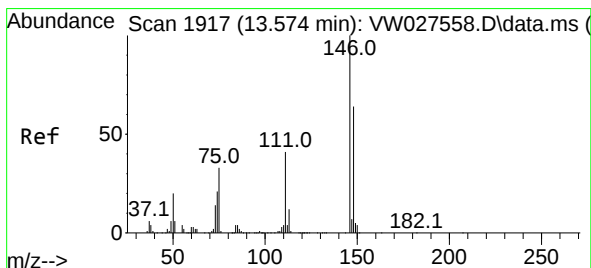
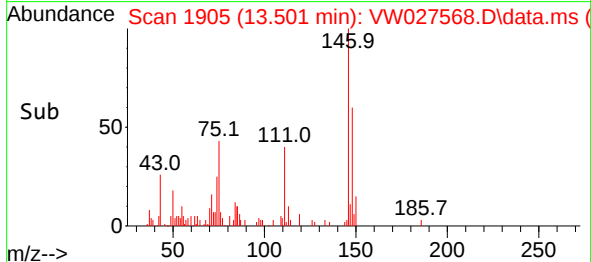
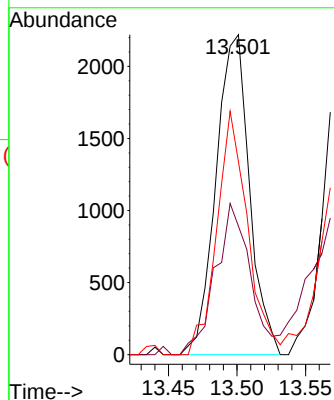
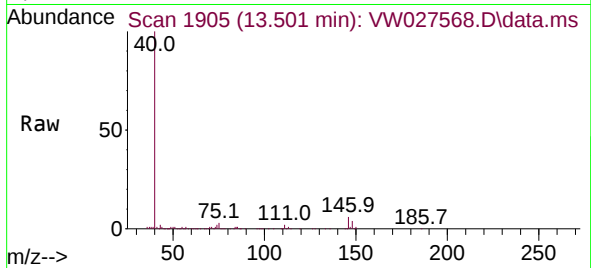




#64
1,3-Dichlorobenzene
Concen: 1.115 ug/L
RT: 13.501 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

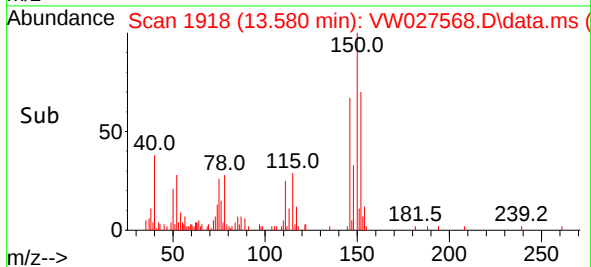
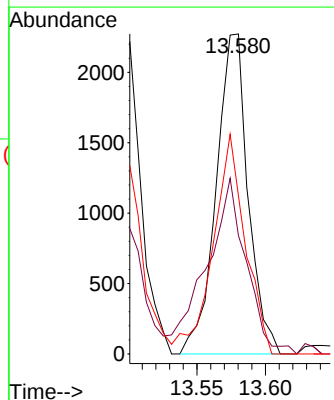
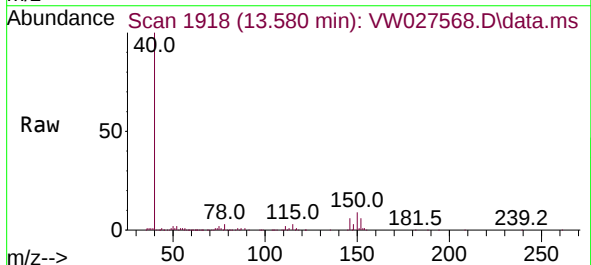
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

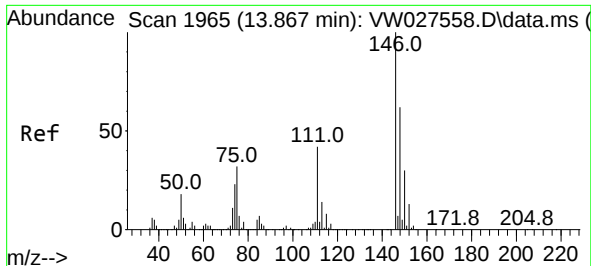
Tgt Ion:146 Resp: 3776
Ion Ratio Lower Upper
146 100
111 40.1 29.5 54.7
148 60.3 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 1.093 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:146 Resp: 3691
Ion Ratio Lower Upper
146 100
111 37.0 28.9 53.7
148 49.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 1.016 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

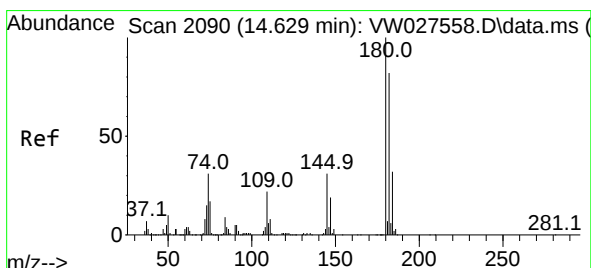
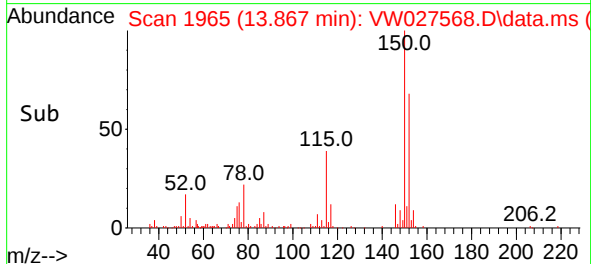
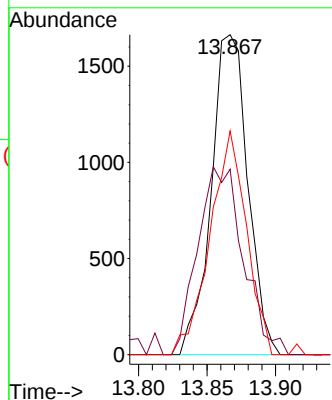
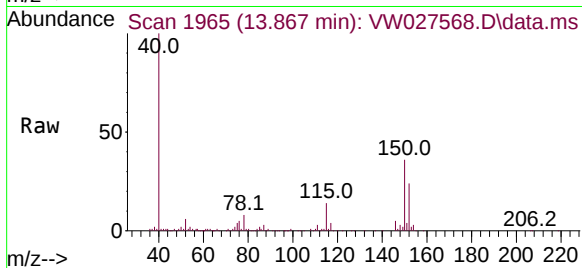
Tgt Ion:146 Resp: 3100

Ion Ratio Lower Upper

146 100

111 57.9 33.9 50.9#

148 69.9 49.5 74.3



#69

1,3,5-Trichlorobenzene

Concen: 0.951 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Tgt Ion:180 Resp: 2165

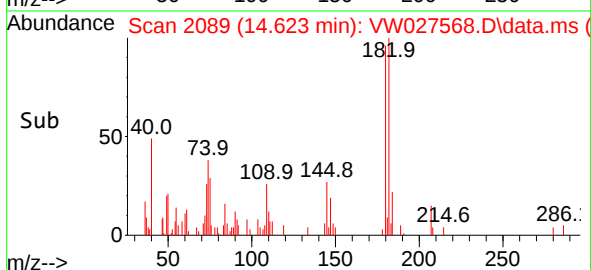
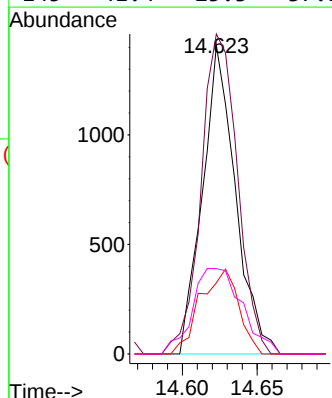
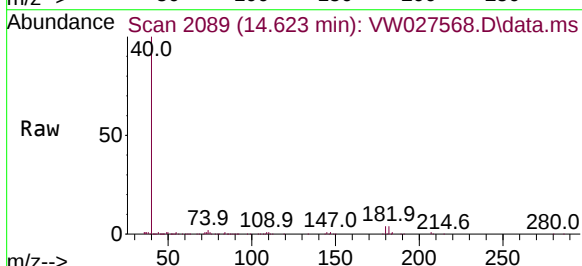
Ion Ratio Lower Upper

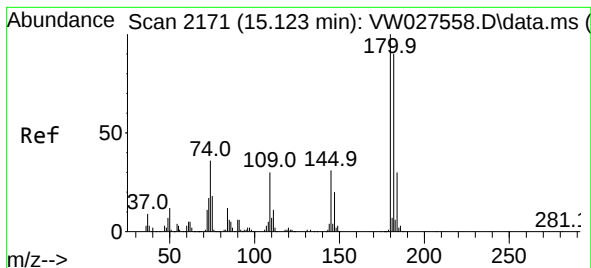
180 100

182 114.0 73.2 109.8#

184 31.8 25.4 38.2

145 41.4 25.3 37.9#





#70

1,2,4-trichlorobenzene

Concen: 1.110 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

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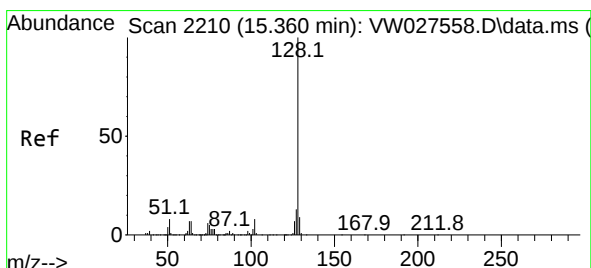
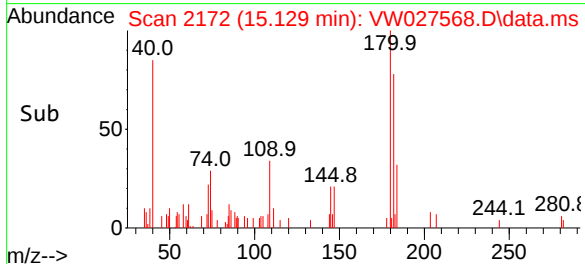
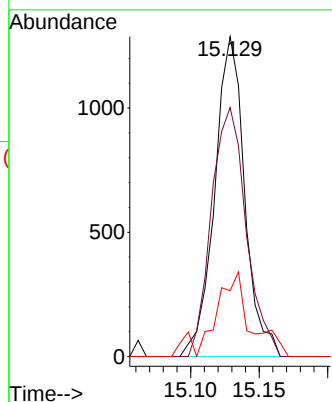
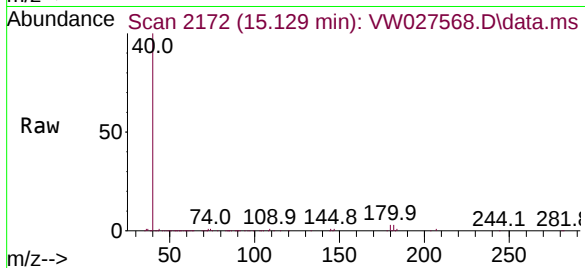
Tgt Ion:180 Resp: 1963

Ion Ratio Lower Upper

180 100

182 90.1 78.7 118.1

145 23.9 26.8 40.2#



#71

Naphthalene

Concen: 0.673 ug/L

RT: 15.366 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

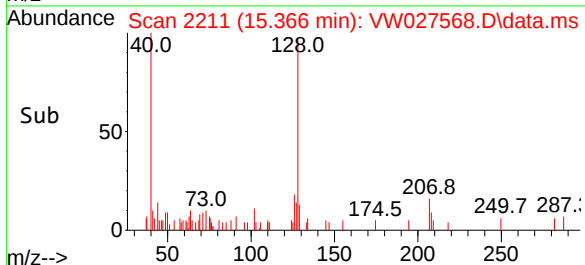
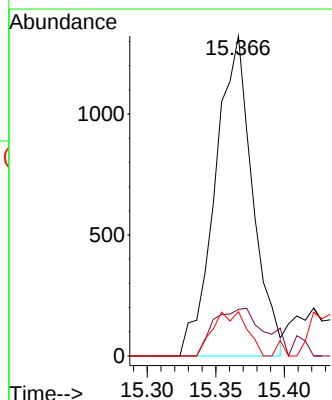
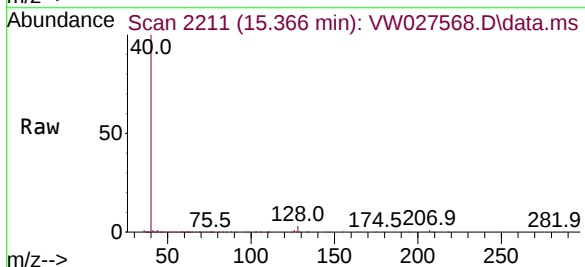
Tgt Ion:128 Resp: 2505

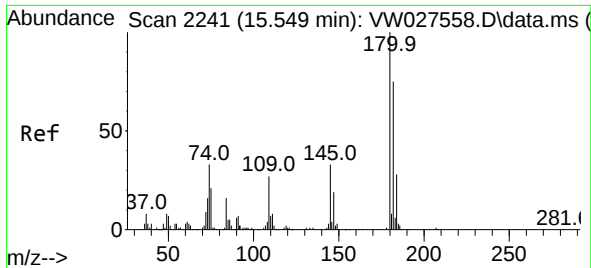
Ion Ratio Lower Upper

128 100

127 18.5 10.3 15.5#

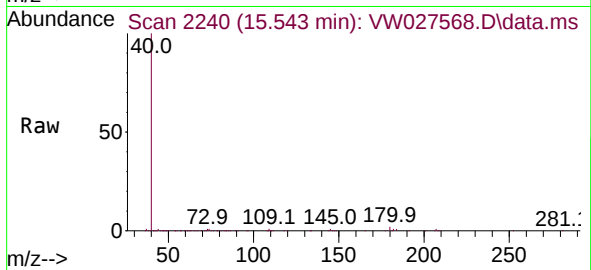
129 12.7 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.925 ug/L
 RT: 15.543 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	72.4	108.6#
145	21.0	27.4	41.0#

