

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041023\
 Data File : VW025568.D
 Acq On : 10 Apr 2023 11:02
 Operator : SY/MD
 Sample : 02215-04 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2023-04DL

Quant Time: Apr 11 02:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 11 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	733412	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	654248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	305879	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	250868	21.020	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.080%
7) Chloroethane-d5	2.899	69	188026	22.128	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.520%
11) 1,1-Dichloroethene-d2	4.021	63	409198	16.954	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.800%
21) 2-Butanone-d5	7.075	46	135797	51.004	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.000%
24) Chloroform-d	7.648	84	492299	23.907	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.640%
26) 1,2-Dichloroethane-d4	8.307	65	264879	24.725	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.880%
32) Benzene-d6	8.276	84	1023336	24.156	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.640%
36) 1,2-Dichloropropane-d6	9.270	67	327484	24.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.160%
41) Toluene-d8	10.325	98	893748	24.152	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	10.575	79	114784	23.178	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.720%
47) 2-Hexanone-d5	10.922	63	88332	48.924	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	221444	24.838	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.360%
66) 1,2-Dichlorobenzene-d4	13.848	152	278421	26.495	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	10409m	1.015	ug/L	
3) Chloromethane	2.216	50	12168	1.023	ug/L	100
5) Vinyl chloride	2.369	62	15995m	1.216	ug/L	
6) Bromomethane	2.783	94	7622	1.077	ug/L	97
8) Chloroethane	2.924	64	7854m	1.066	ug/L	
9) Trichlorofluoromethane	3.259	101	8341	0.823	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	15486m	1.523	ug/L	
12) 1,1-Dichloroethene	4.045	96	15079m	1.481	ug/L	
13) Acetone	4.125	43	6946m	3.082	ug/L	
14) Carbon disulfide	4.393	76	39199	1.092	ug/L	98
15) Methyl Acetate	4.673	43	6029m	1.191	ug/L	
16) Methylene chloride	4.917	84	25426	2.181	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	12582	1.163	ug/L	84
18) Methyl tert-butyl Ether	5.423	73	16482	1.104	ug/L #	73
19) 1,1-Dichloroethane	6.216	63	25736	1.190	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	13588	1.207	ug/L #	85
23) Bromochloromethane	7.520	128	5409	1.171	ug/L	97
25) Chloroform	7.673	83	25676	1.299	ug/L	97
27) 1,2-Dichloroethane	8.398	62	15735	1.186	ug/L #	90

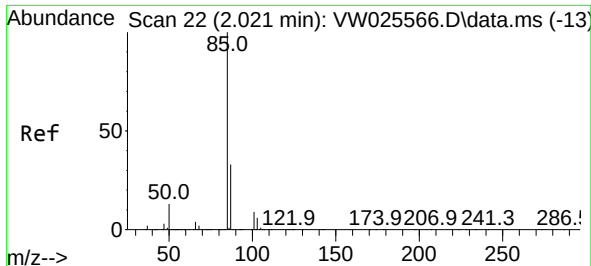
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 Quant Title : SFAM01.0
 QLast Update : Tue Apr 11 01:56:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	20216	0.955	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	18460	1.136	ug/L	99
31) Carbon tetrachloride	8.069	117	16587	1.130	ug/L	98
33) Benzene	8.319	78	52564	1.154	ug/L	100
34) Trichloroethene	9.093	95	13129	1.108	ug/L	94
35) Methylcyclohexane	9.337	83	20523	0.960	ug/L	96
37) 1,2-Dichloropropane	9.368	63	14527	1.208	ug/L #	96
38) Bromodichloromethane	9.648	83	16083	1.169	ug/L	89
39) cis-1,3-Dichloropropene	10.075	75	18700	1.084	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	15036	2.209	ug/L	90
42) Toluene	10.386	91	54446	1.174	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	15578	1.095	ug/L	94
45) 1,1,2-Trichloroethane	10.782	97	9269	1.209	ug/L	92
46) Tetrachloroethene	10.867	164	9674	1.161	ug/L	83
48) 2-Hexanone	10.971	43	10350	2.201	ug/L #	86
49) Dibromochloromethane	11.129	129	8962	1.110	ug/L	94
50) 1,2-Dibromoethane	11.233	107	7784	1.105	ug/L	98
51) Chlorobenzene	11.654	112	33799	1.183	ug/L	99
52) Ethylbenzene	11.727	91	57299	1.092	ug/L	99
53) m,p-Xylene	11.837	106	19302	1.003	ug/L	98
54) o-Xylene	12.166	106	18138	1.008	ug/L	94
55) Styrene	12.178	104	28303	0.934	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.714	83	11328	1.233	ug/L	97
59) Bromoform	12.349	173	5179	1.236	ug/L	93
60) Isopropylbenzene	12.465	105	48716	1.017	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	7617	1.202	ug/L	90
62) 1,3,5-Trimethylbenzene	12.940	105	35702	0.944	ug/L	98
63) 1,2,4-Trimethylbenzene	13.251	105	32063	0.880	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	23144	1.166	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	24862	1.226	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	21408	1.230	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.476	75	2095	1.506	ug/L #	73
69) 1,3,5-Trichlorobenzene	14.623	180	15696	1.181	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	12602	1.167	ug/L	94
71) Naphthalene	15.360	128	17998	0.893	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.549	180	10321	1.093	ug/L	90

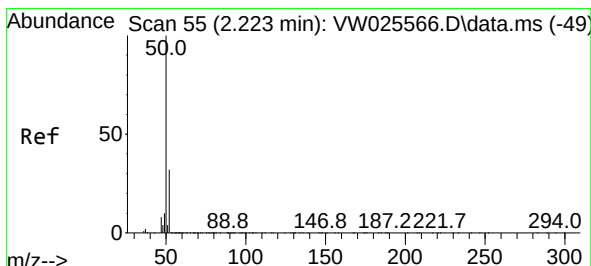
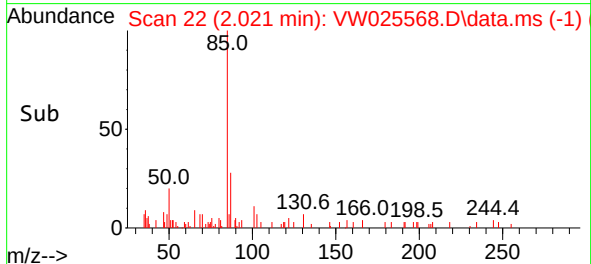
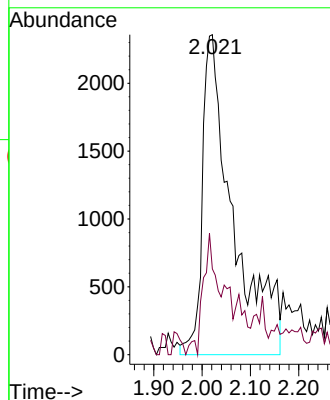
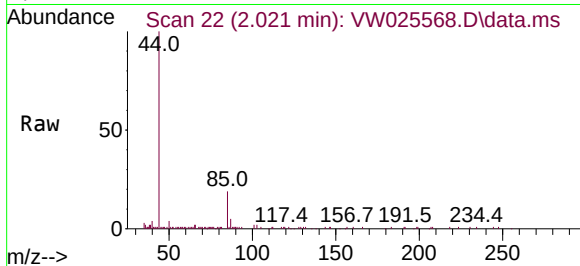
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#2
Dichlorodifluoromethane
Concen: 1.015 ug/L m
RT: 2.021 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

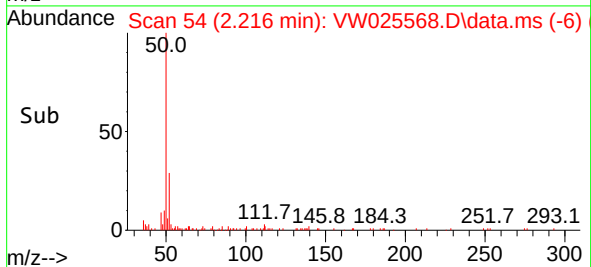
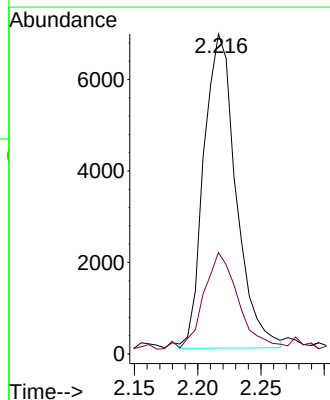
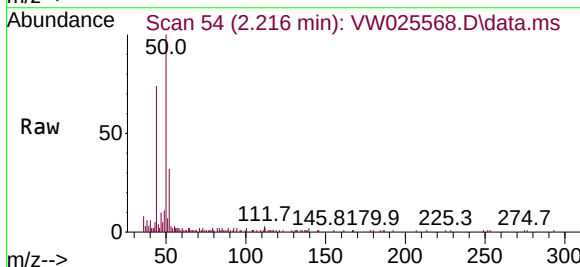
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

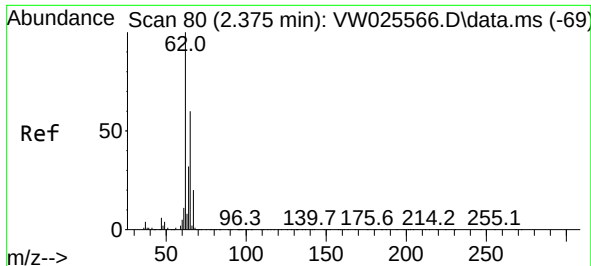
Tgt Ion: 85 Resp: 10409
Ion Ratio Lower Upper
85 100
87 0.9 24.6 37.0#



#3
Chloromethane
Concen: 1.023 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 50 Resp: 12168
Ion Ratio Lower Upper
50 100
52 31.7 22.2 41.2

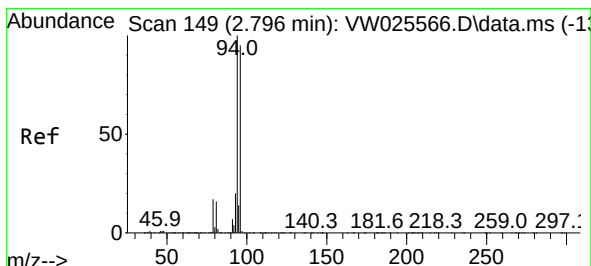
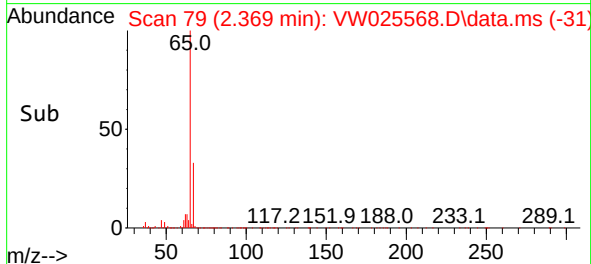
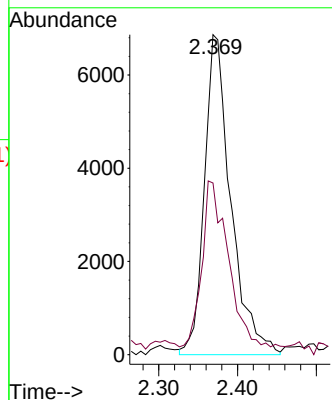
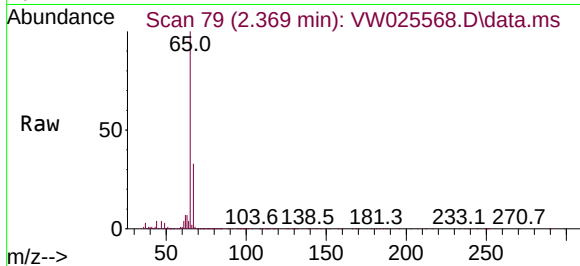




#5
 Vinyl chloride
 Concen: 1.216 ug/L m
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

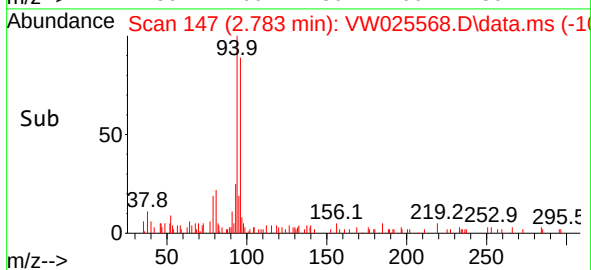
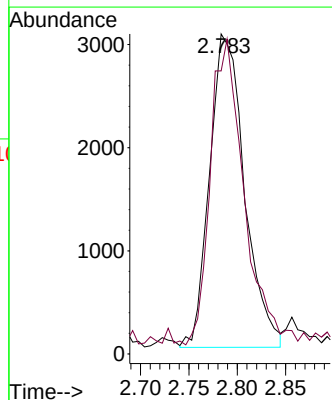
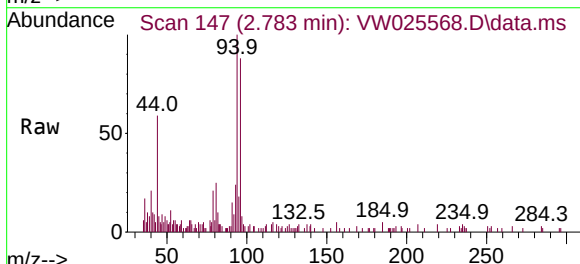
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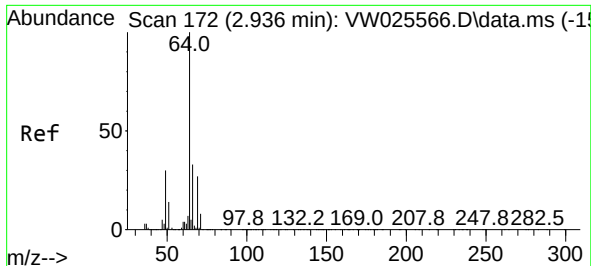
Tgt Ion: 62 Resp: 15995
 Ion Ratio Lower Upper
 62 100
 64 53.7 23.9 44.3#



#6
 Bromomethane
 Concen: 1.077 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.012 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

Tgt Ion: 94 Resp: 7622
 Ion Ratio Lower Upper
 94 100
 96 88.5 64.0 118.8

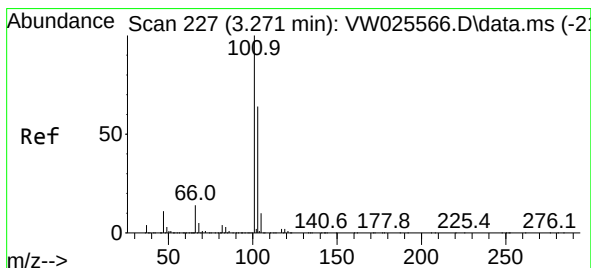
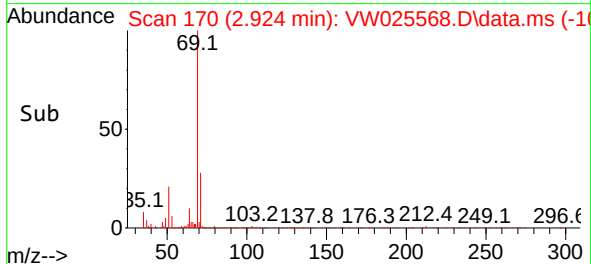
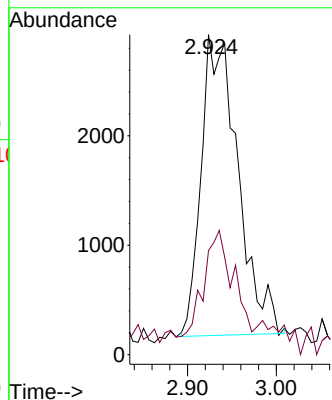
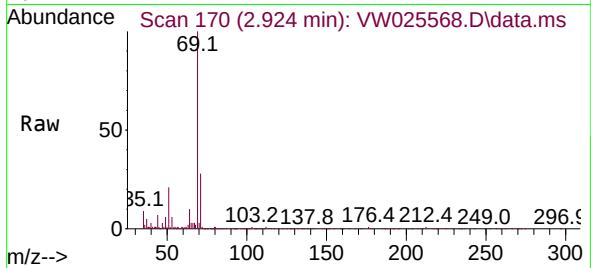




#8
Chloroethane
Concen: 1.066 ug/L m
RT: 2.924 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

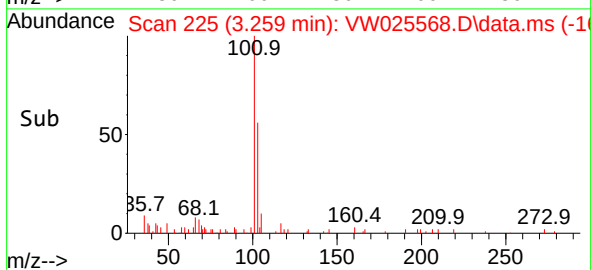
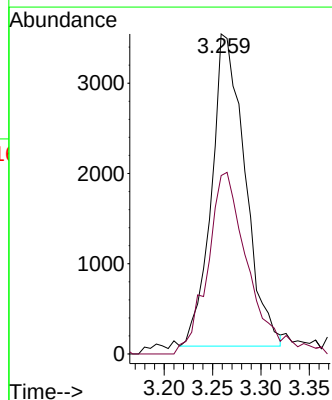
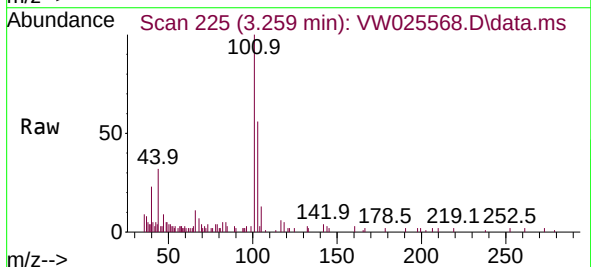
Instrument :
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MDL-SOIL-QT2-2023-04DL

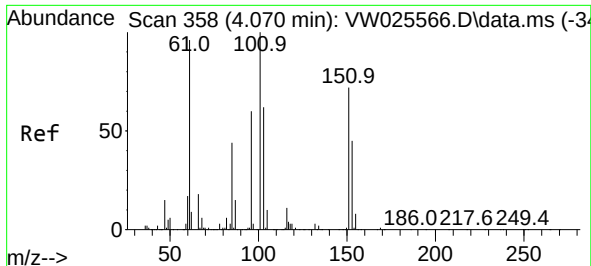
Tgt Ion: 64 Resp: 7854
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.823 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.012 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 101 Resp: 8341
Ion Ratio Lower Upper
101 100
103 67.1 52.3 78.5

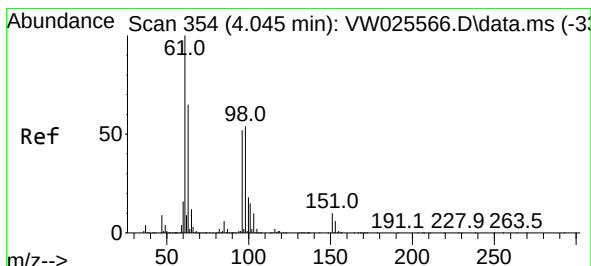
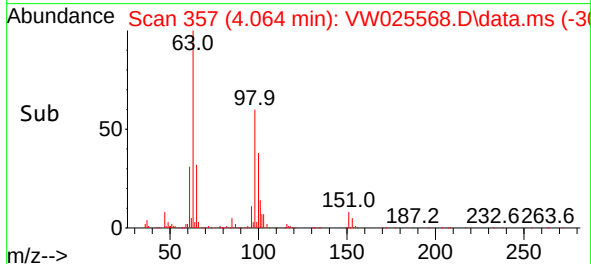
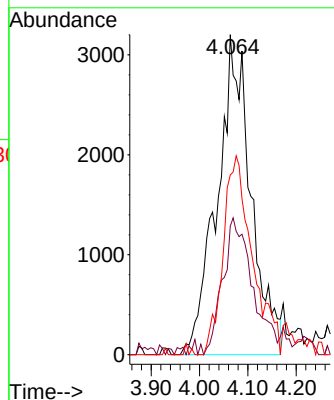
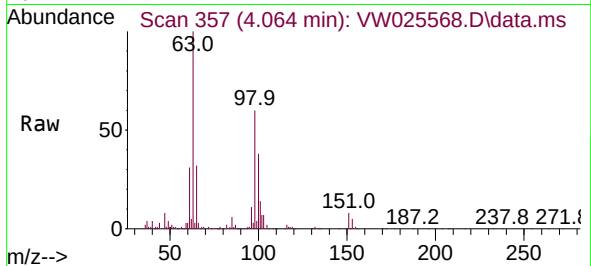




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.523 ug/L m
 RT: 4.064 min Scan# 357
 Delta R.T. -0.006 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

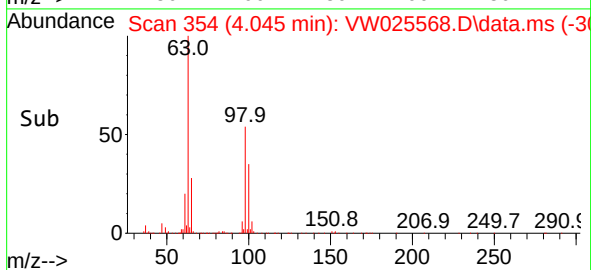
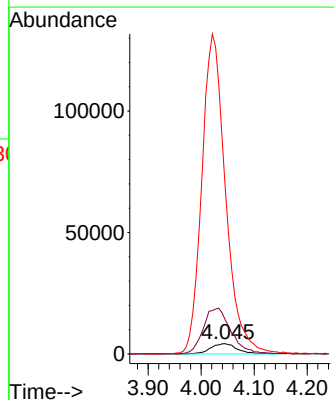
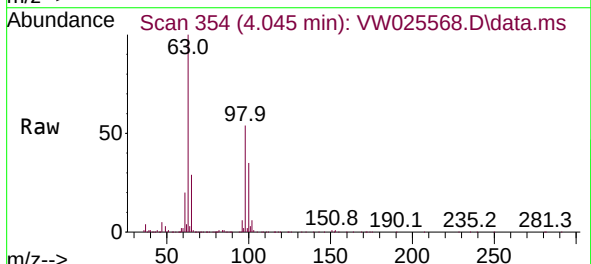
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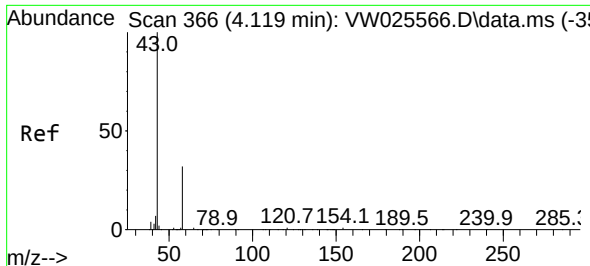
Tgt Ion:101 Resp: 15486
 Ion Ratio Lower Upper
 101 100
 85 20.9 34.5 51.7#
 151 48.7 54.8 82.2#



#12
 1,1-Dichloroethene
 Concen: 1.481 ug/L m
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

Tgt Ion: 96 Resp: 15079
 Ion Ratio Lower Upper
 96 100
 61 336.2 132.7 246.4#
 63 1643.6 105.0 195.0#

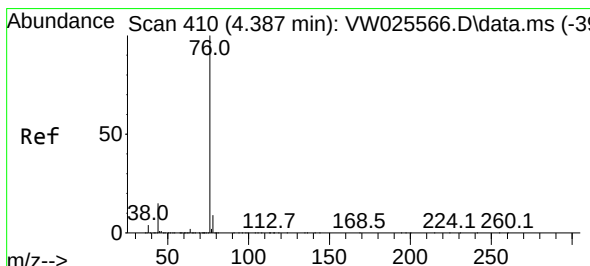
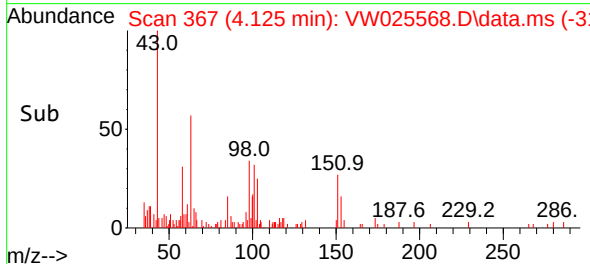
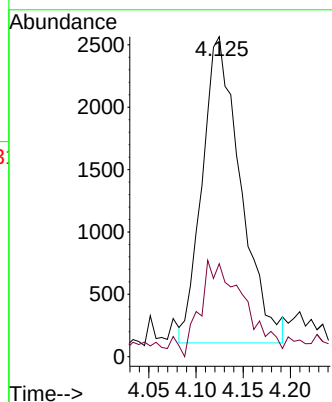
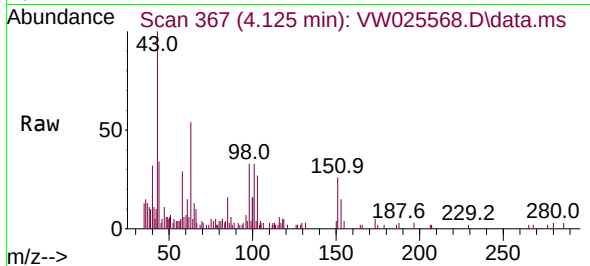




#13
Acetone
Concen: 3.082 ug/L m
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

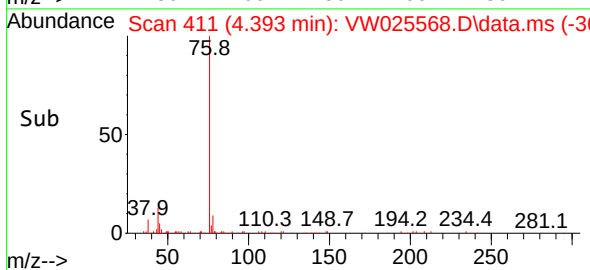
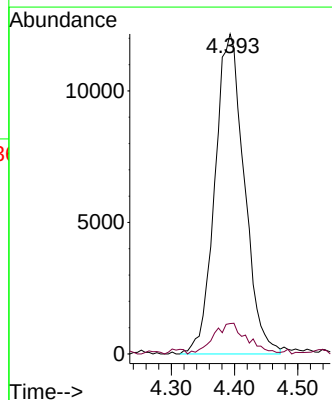
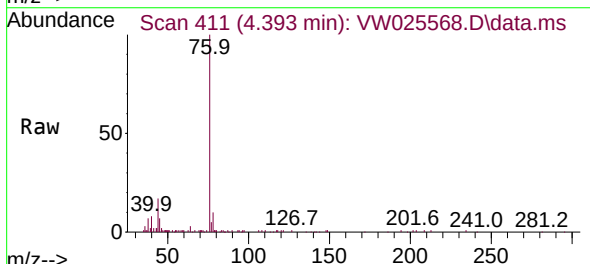
Instrument :
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ClientSampleId :
MDL-SOIL-QT2-2023-04DL

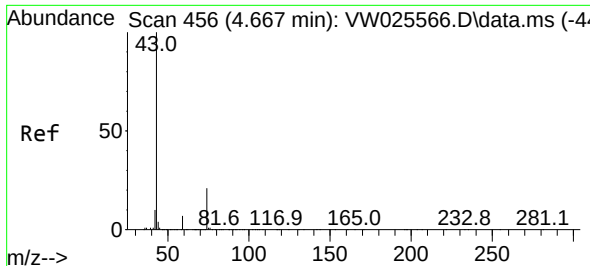
Tgt Ion: 43 Resp: 6946
Ion Ratio Lower Upper
43 100
58 8.8 0.0 57.4



#14
Carbon disulfide
Concen: 1.092 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 76 Resp: 39199
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

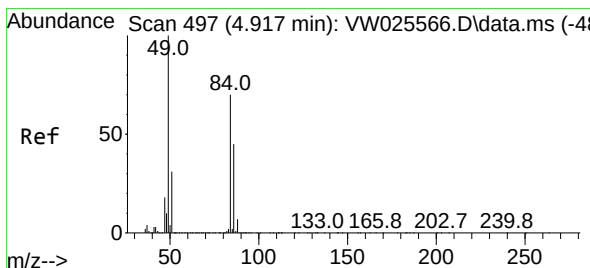
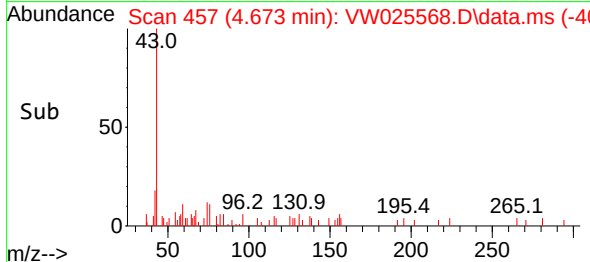
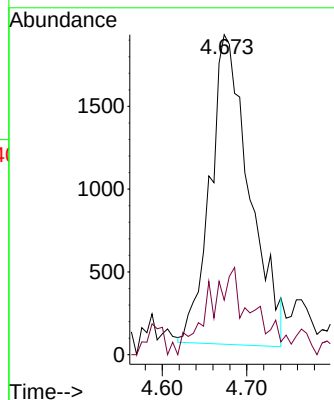
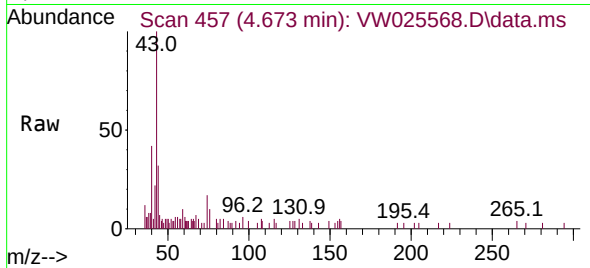




#15
Methyl Acetate
Concen: 1.191 ug/L m
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

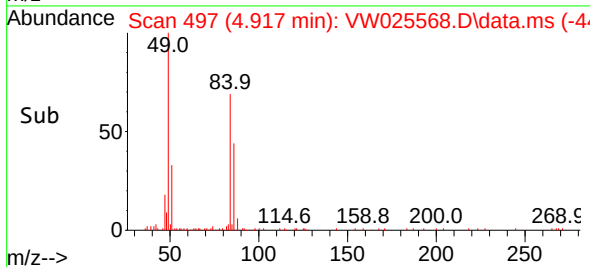
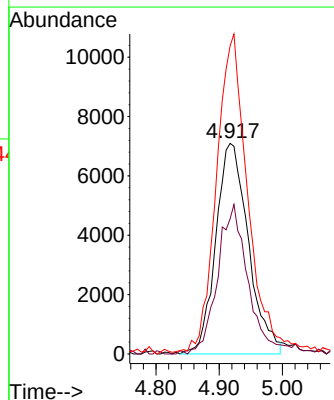
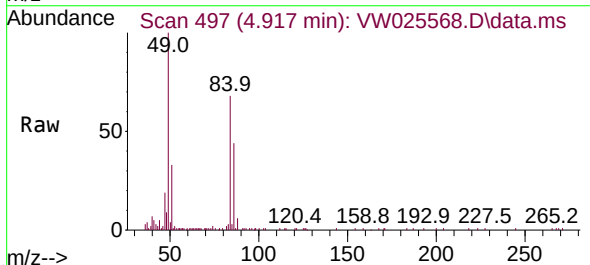
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

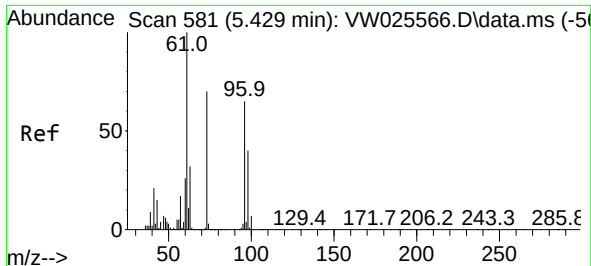
Tgt Ion: 43 Resp: 6029
Ion Ratio Lower Upper
43 100
74 4.7 17.0 25.4#



#16
Methylene chloride
Concen: 2.181 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 84 Resp: 25426
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.3
49 146.3 101.4 188.4

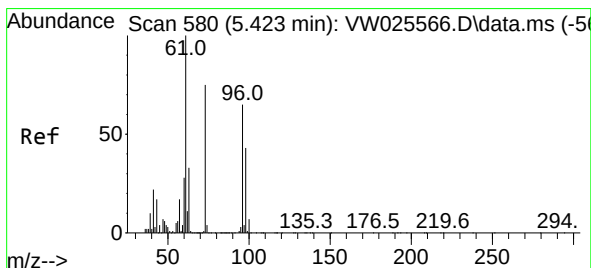
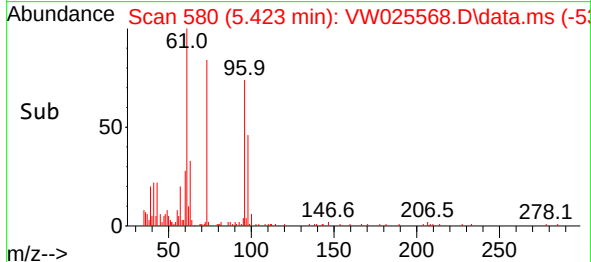
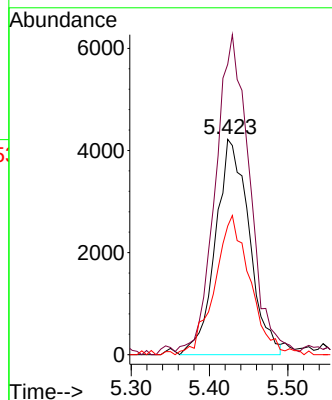
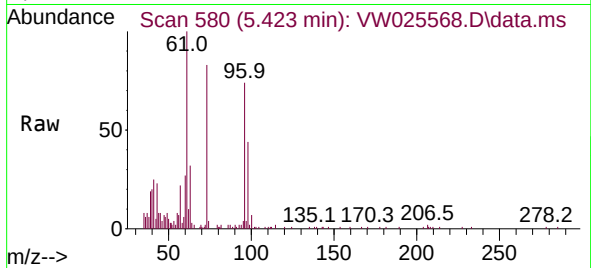




#17
trans-1,2-Dichloroethene
Concen: 1.163 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

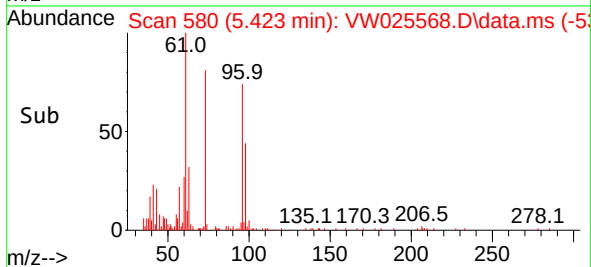
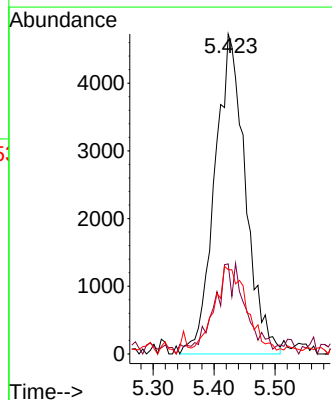
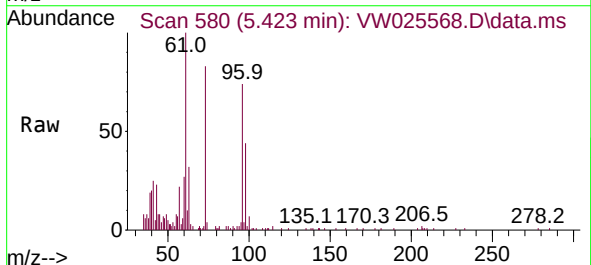
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2023-04DL

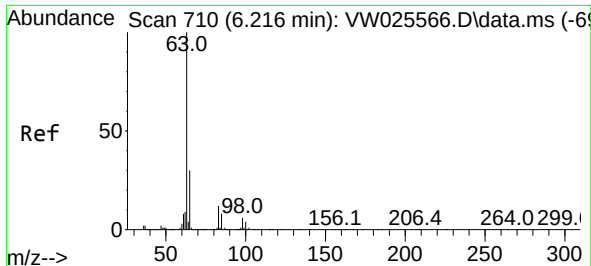
Tgt Ion:	96	Resp:	12582
Ion	Ratio	Lower	Upper
96	100		
61	134.8	113.3	210.3
98	59.8	43.6	81.0



#18
Methyl tert-butyl Ether
Concen: 1.104 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:	73	Resp:	16482
Ion	Ratio	Lower	Upper
73	100		
43	3.0	17.8	26.6#
57	16.8	19.0	28.6#





#19

1,1-Dichloroethane

Concen: 1.190 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

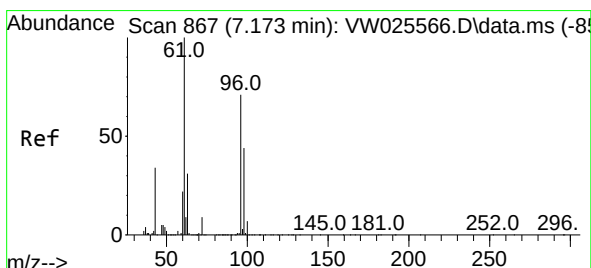
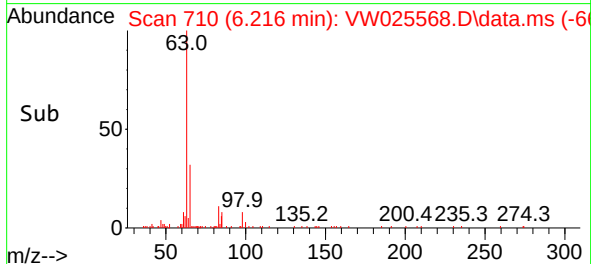
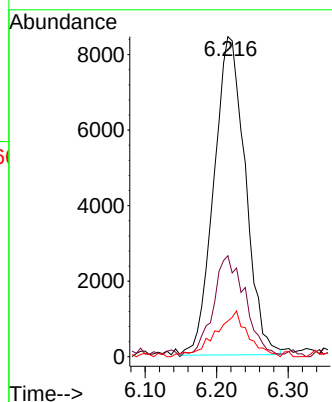
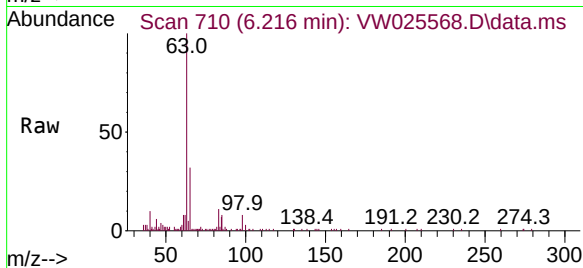
Tgt Ion: 63 Resp: 25736

Ion Ratio Lower Upper

63 100

65 31.6 21.9 40.7

83 11.2 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 1.207 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

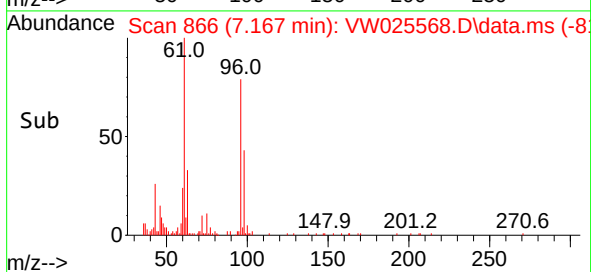
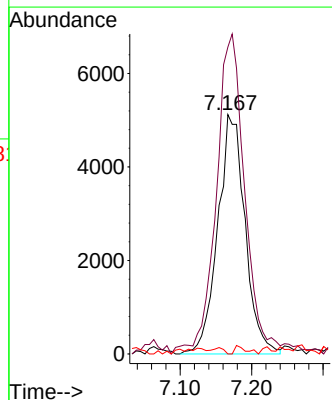
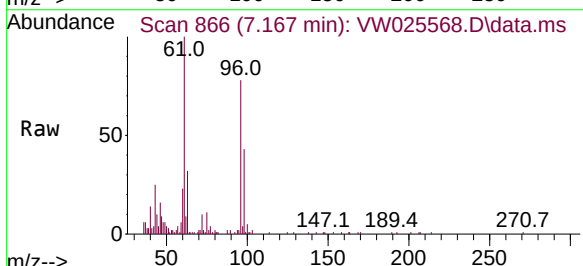
Tgt Ion: 96 Resp: 13588

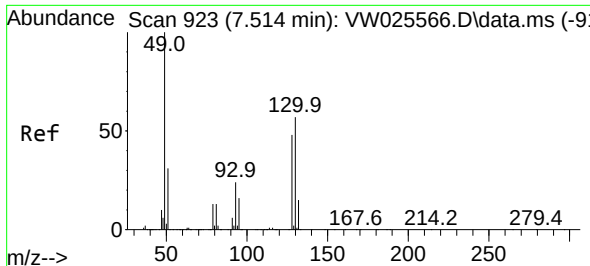
Ion Ratio Lower Upper

96 100

61 128.2 102.6 190.6

68 0.0 0.1 0.1#

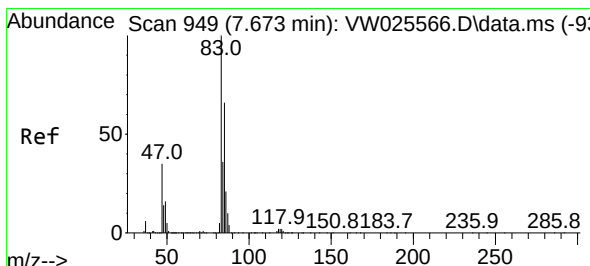
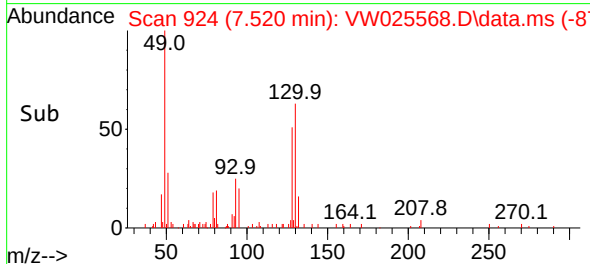
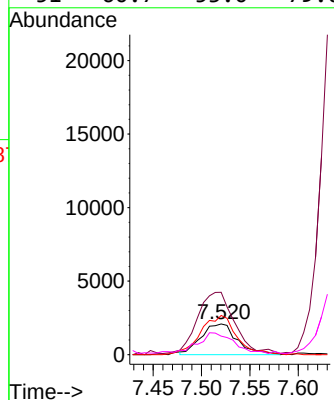
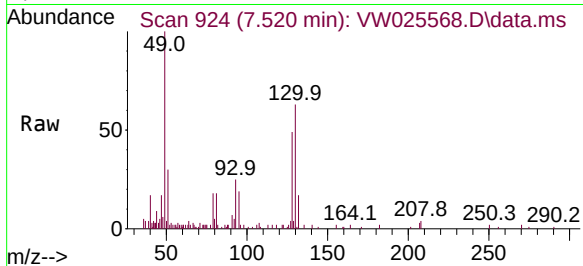




#23
Bromochloromethane
Concen: 1.171 ug/L
RT: 7.520 min Scan# 912
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

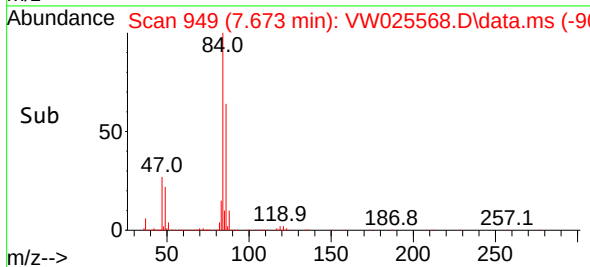
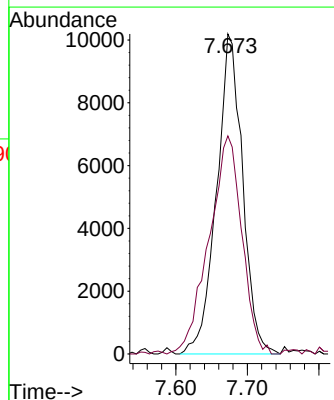
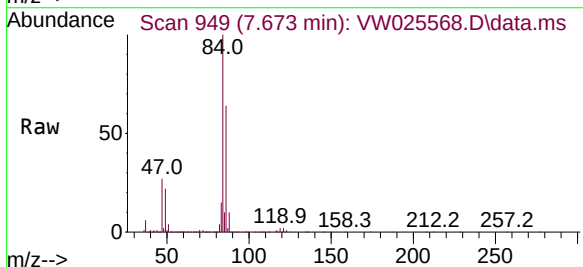
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

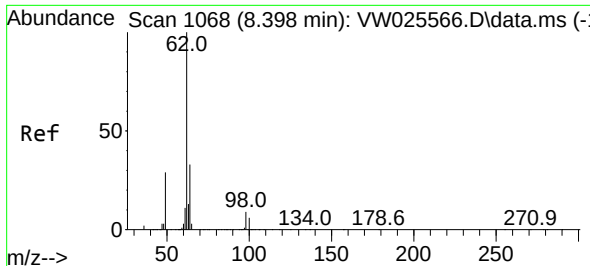
Tgt Ion:128 Resp: 5409
Ion Ratio Lower Upper
128 100
49 203.2 141.7 263.3
130 127.8 86.7 160.9
51 60.7 53.0 79.6



#25
Chloroform
Concen: 1.299 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 83 Resp: 25676
Ion Ratio Lower Upper
83 100
85 68.1 45.8 85.2





#27

1,2-Dichloroethane

Concen: 1.186 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

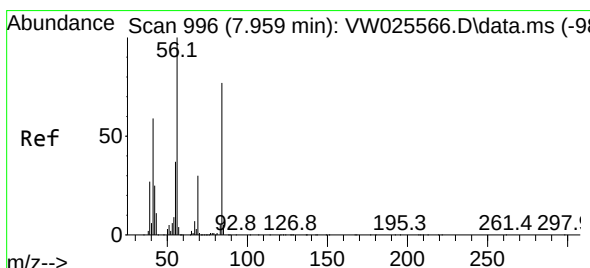
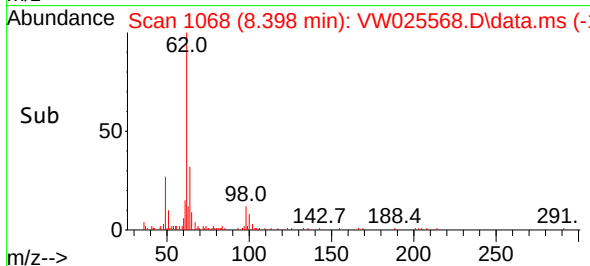
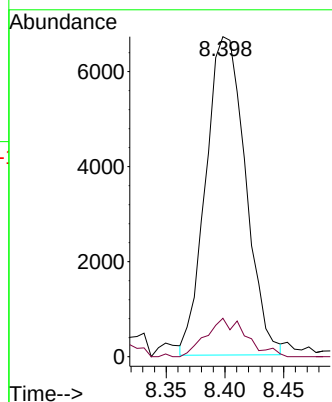
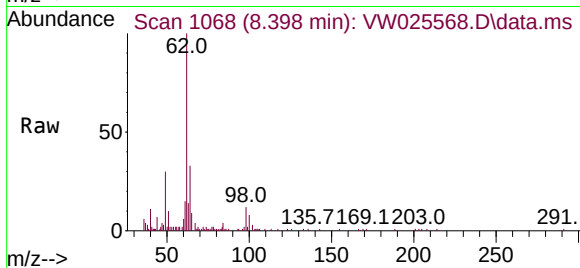
MDL-SOIL-QT2-2023-04DL

Tgt Ion: 62 Resp: 15735

Ion Ratio Lower Upper

62 100

98 12.0 6.6 10.0#



#29

Cyclohexane

Concen: 0.955 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

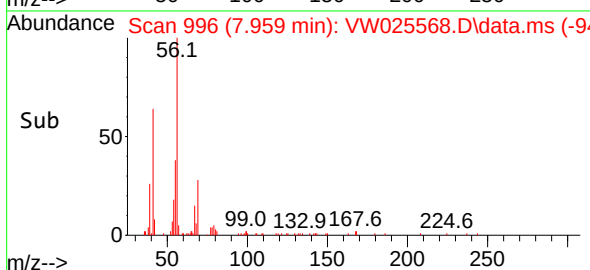
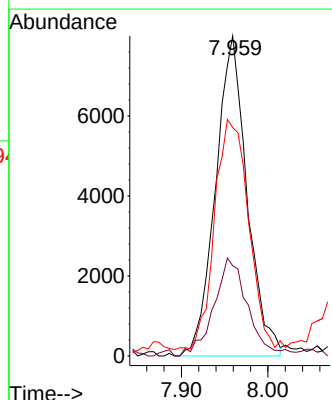
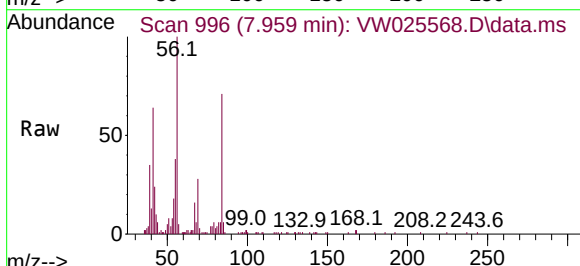
Tgt Ion: 56 Resp: 20216

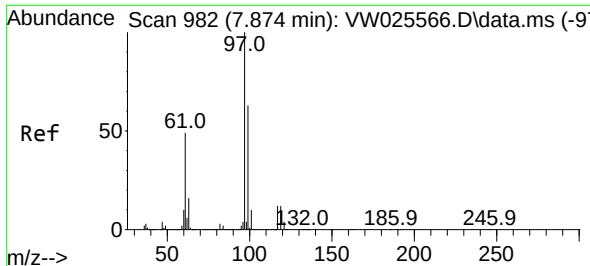
Ion Ratio Lower Upper

56 100

69 32.2 22.7 34.1

84 79.3 62.5 93.7

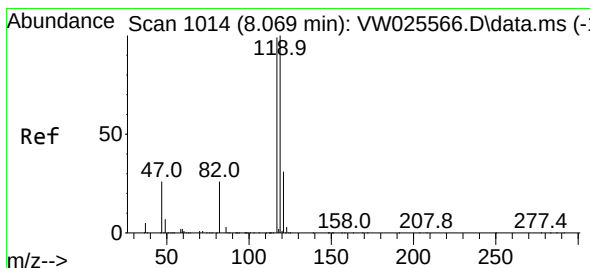
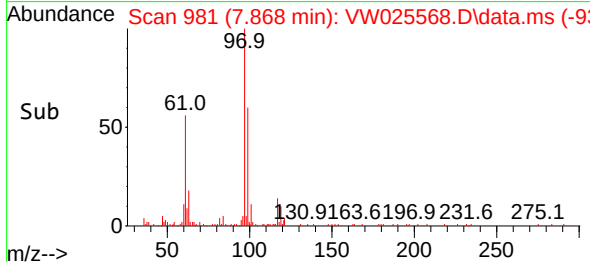
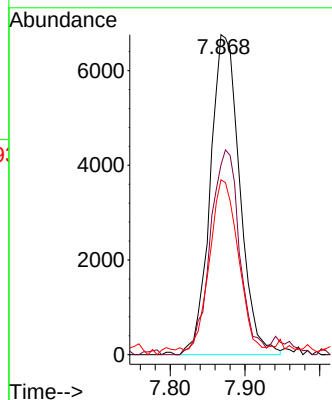
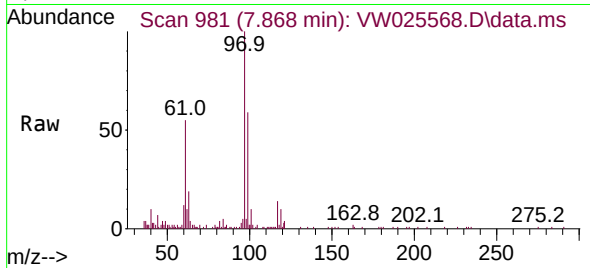




#30
1,1,1-Trichloroethane
Concen: 1.136 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

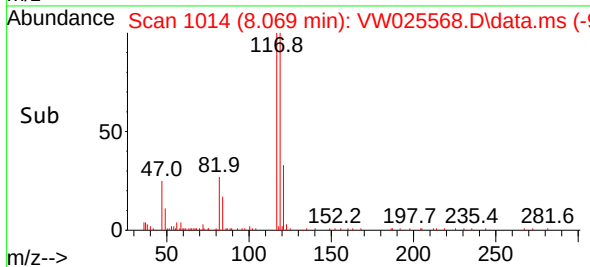
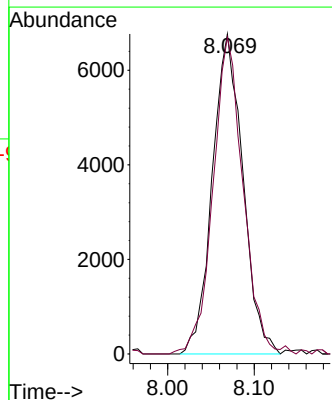
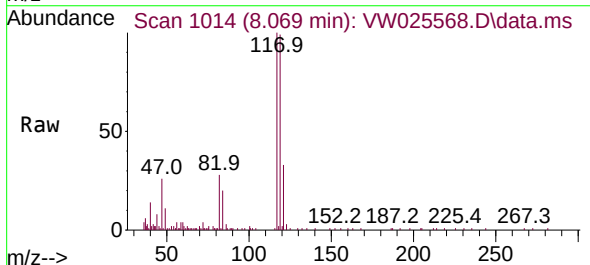
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

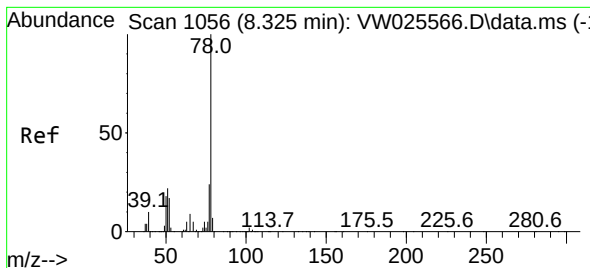
Tgt Ion:	97	Resp:	18460
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	52.7	40.5	60.7



#31
Carbon tetrachloride
Concen: 1.130 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:	117	Resp:	16587
Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5





#33

Benzene

Concen: 1.154 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

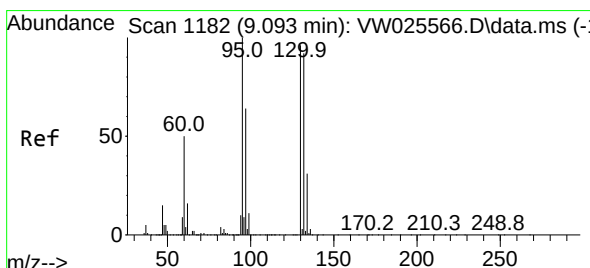
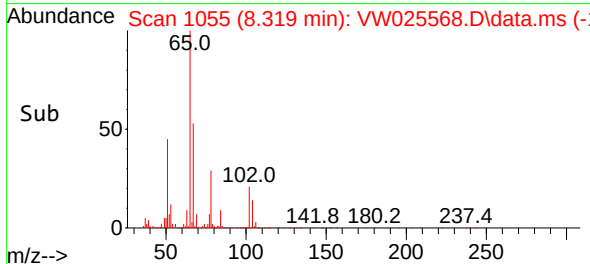
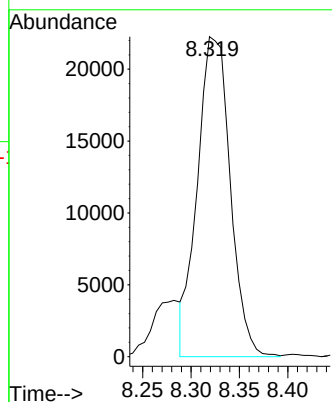
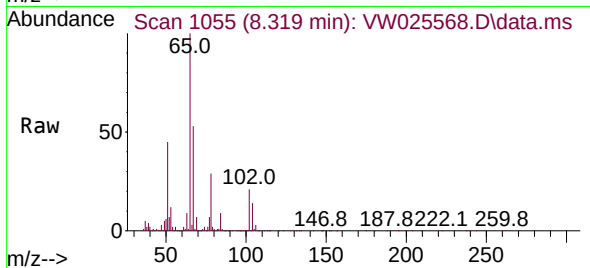
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

Tgt Ion: 78 Resp: 52564



#34

Trichloroethene

Concen: 1.108 ug/L

RT: 9.093 min Scan# 1182

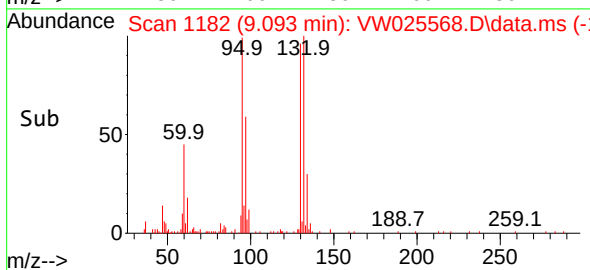
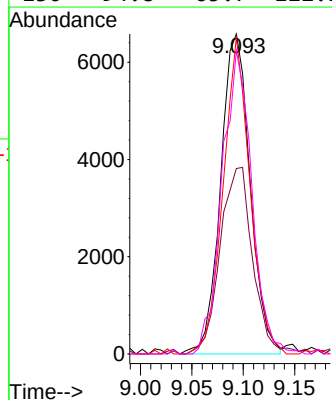
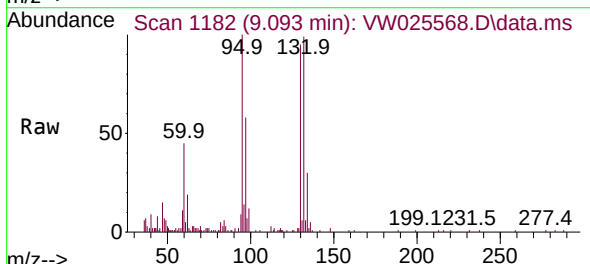
Delta R.T. -0.000 min

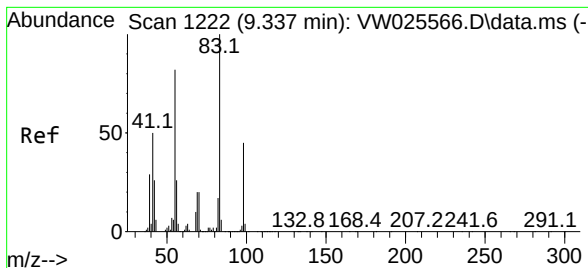
Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion: 95 Resp: 13129

Ion	Ratio	Lower	Upper
95	100		
97	57.9	42.5	78.9
132	98.9	59.8	111.1
130	94.8	65.7	122.1





#35

Methylcyclohexane

Concen: 0.960 ug/L

RT: 9.337 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

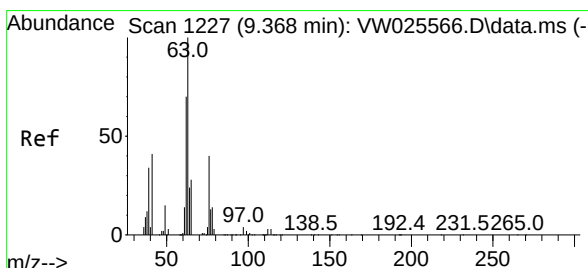
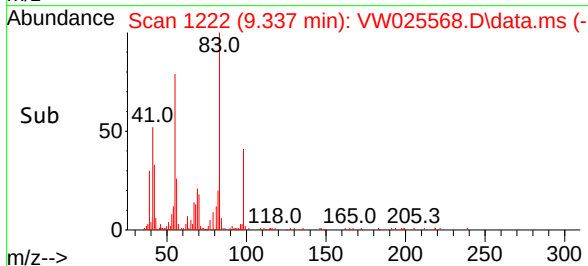
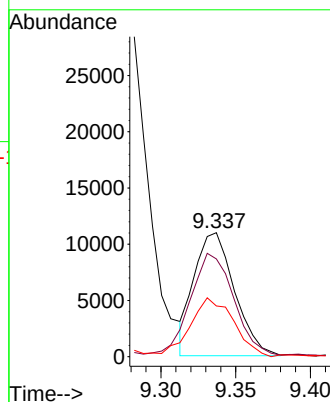
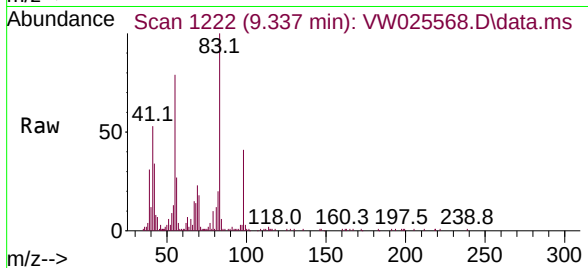
Tgt Ion: 83 Resp: 20523

Ion Ratio Lower Upper

83 100

55 88.1 68.7 103.1

98 51.2 37.7 56.5



#37

1,2-Dichloropropane

Concen: 1.208 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW025568.D

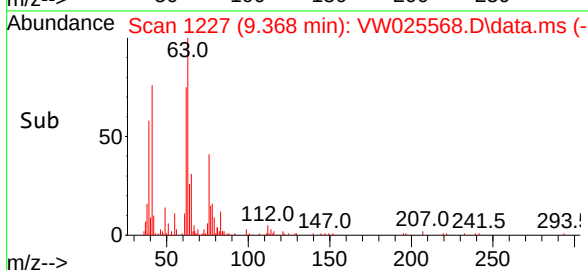
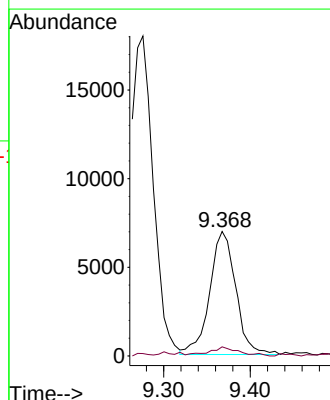
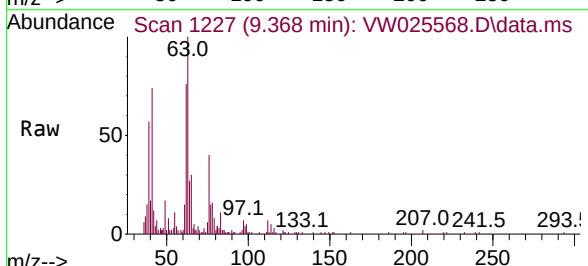
Acq: 10 Apr 2023 11:02

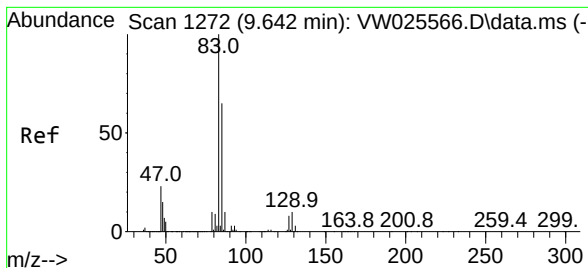
Tgt Ion: 63 Resp: 14527

Ion Ratio Lower Upper

63 100

112 5.5 3.4 5.0#





#38

Bromodichloromethane

Concen: 1.169 ug/L

RT: 9.648 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

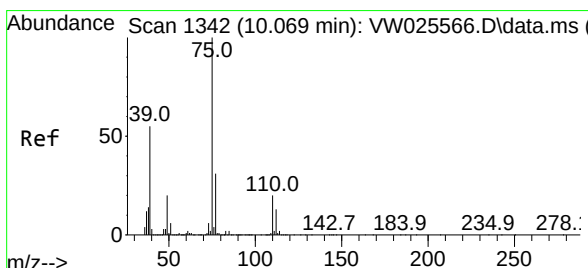
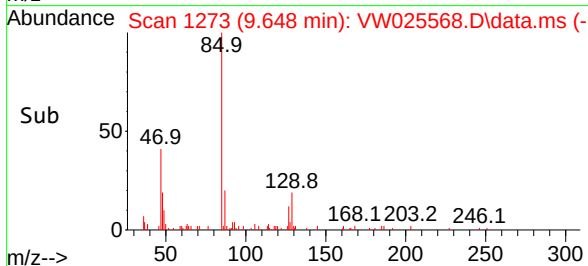
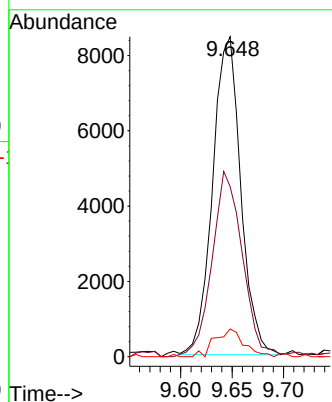
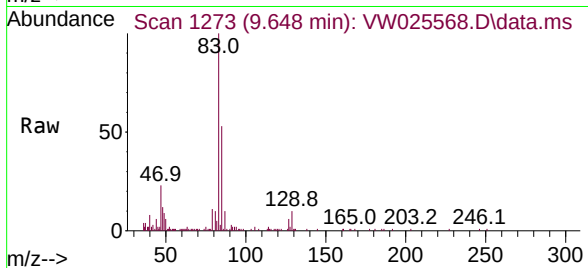
Tgt Ion: 83 Resp: 16083

Ion Ratio Lower Upper

83 100

85 53.1 43.5 80.7

127 8.7 5.8 8.8



#39

cis-1,3-Dichloropropene

Concen: 1.084 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW025568.D

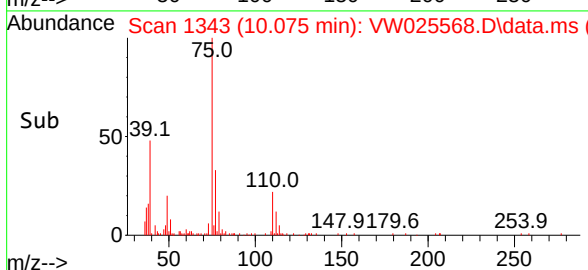
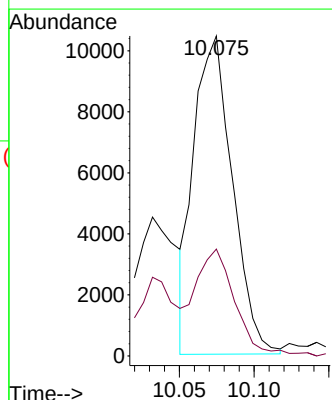
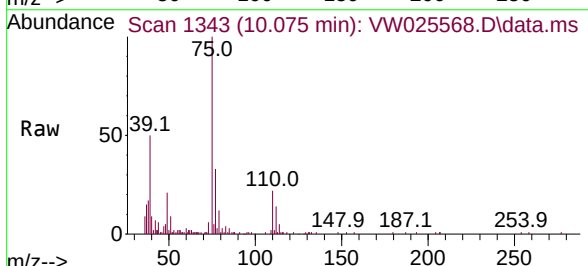
Acq: 10 Apr 2023 11:02

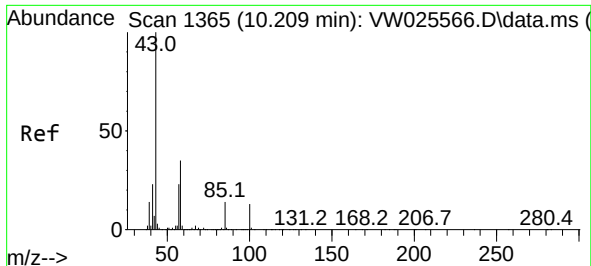
Tgt Ion: 75 Resp: 18700

Ion Ratio Lower Upper

75 100

77 33.4 22.8 42.4

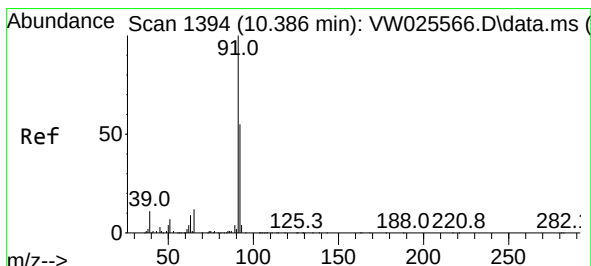
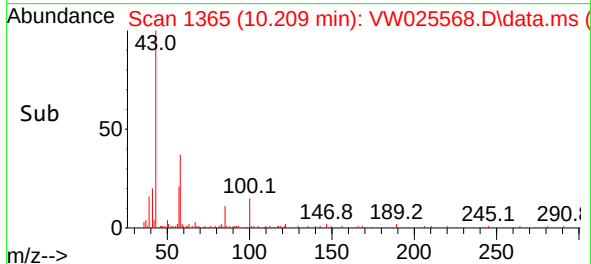
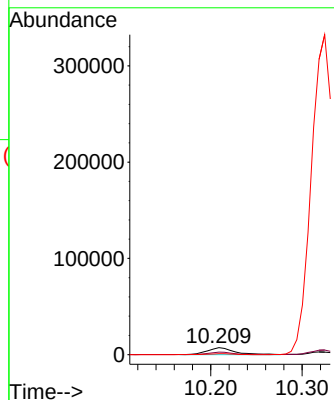
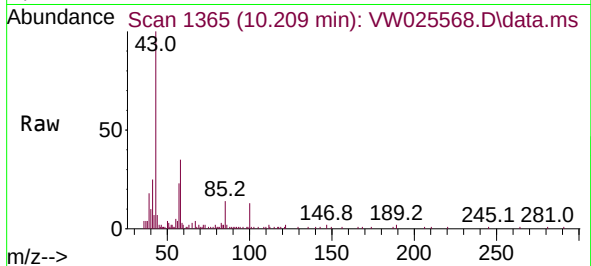




#40
4-Methyl-2-pentanone
Concen: 2.209 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

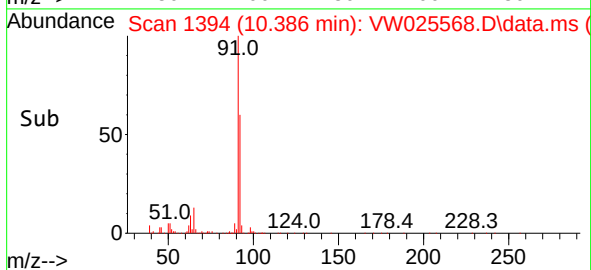
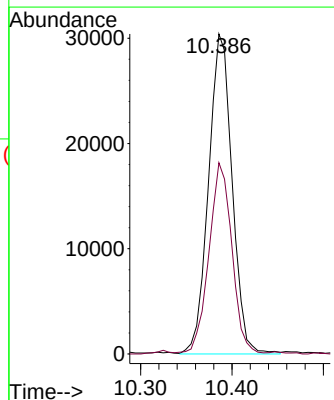
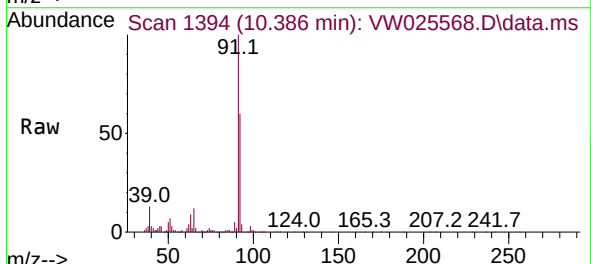
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

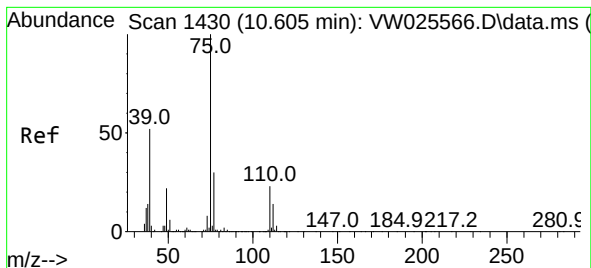
Tgt Ion:	43	Resp:	15036
Ion	Ratio	Lower	Upper
43	100		
58	29.2	29.2	43.8
100	13.5	10.2	15.4



#42
Toluene
Concen: 1.174 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:	91	Resp:	54446
Ion	Ratio	Lower	Upper
91	100		
92	59.8	41.1	76.3





#44

trans-1,3-Dichloropropene

Concen: 1.095 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

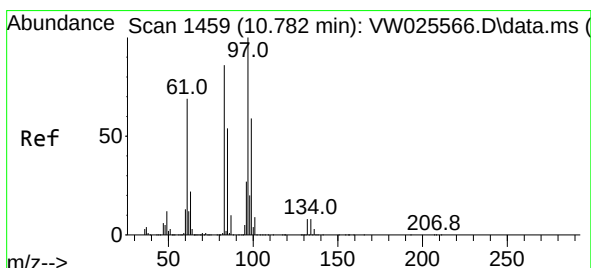
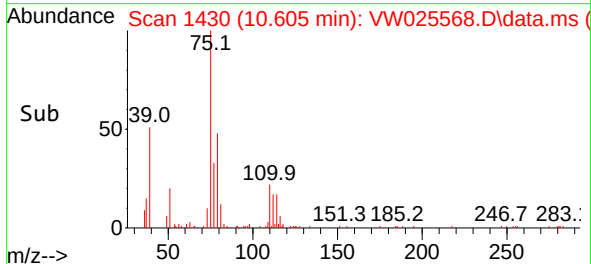
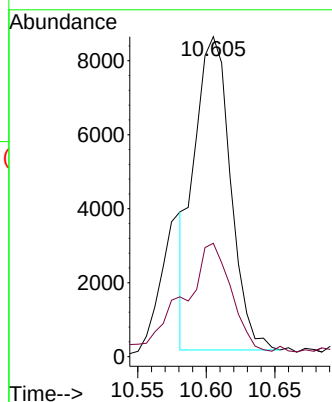
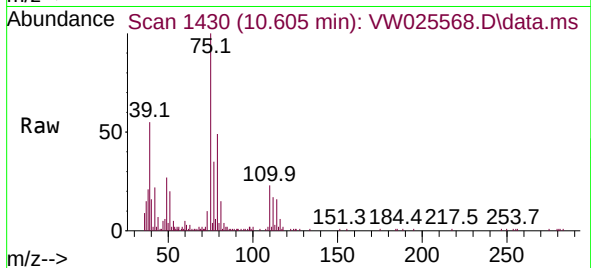
MDL-SOIL-QT2-2023-04DL

Tgt Ion: 75 Resp: 15578

Ion Ratio Lower Upper

75 100

77 35.5 22.5 41.9



#45

1,1,2-Trichloroethane

Concen: 1.209 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion: 97 Resp: 9269

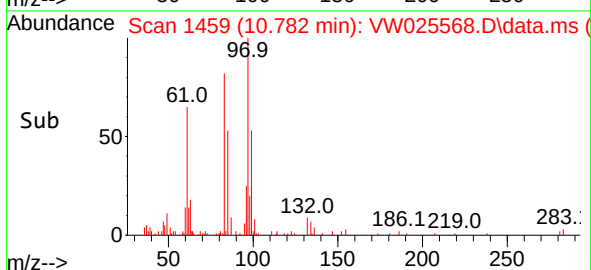
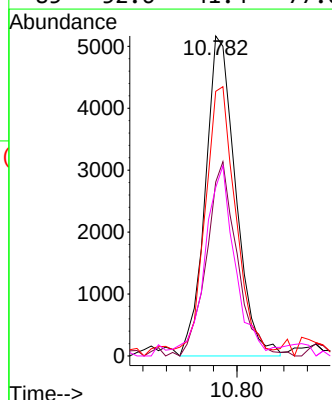
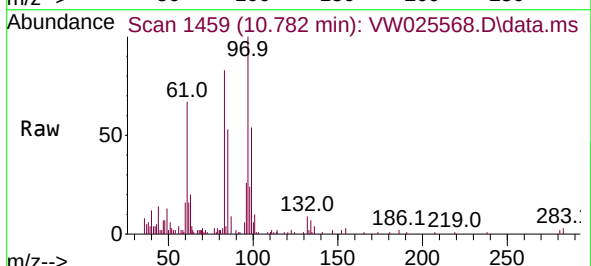
Ion Ratio Lower Upper

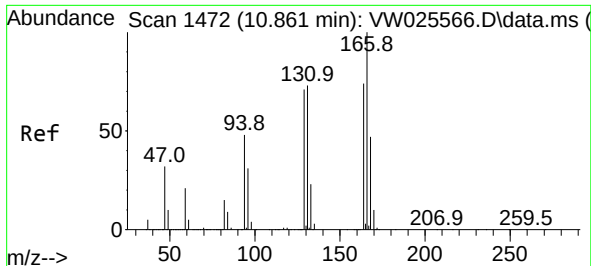
97 100

99 54.4 43.8 81.3

83 82.7 61.8 114.8

85 52.6 41.4 77.0

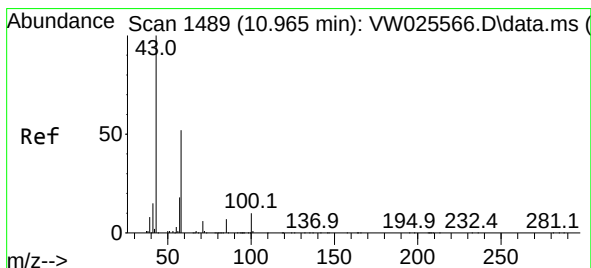
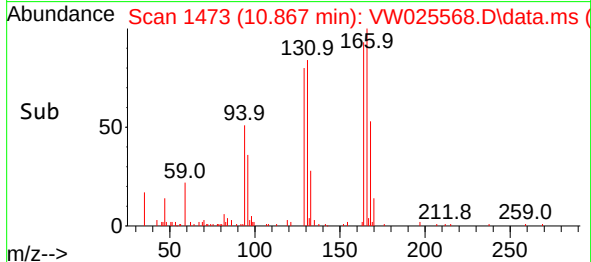
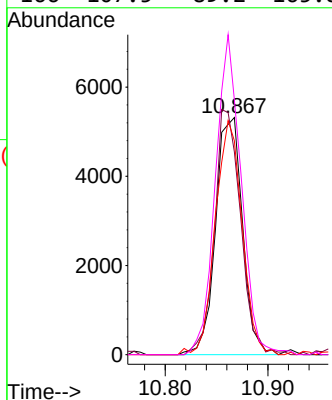
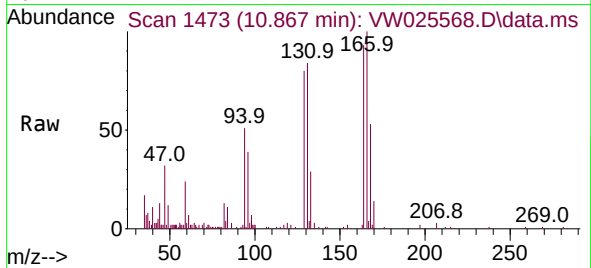




#46
Tetrachloroethene
Concen: 1.161 ug/L
RT: 10.867 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

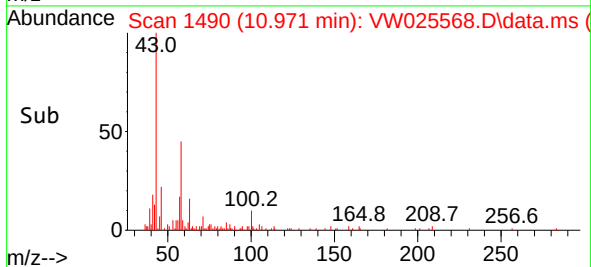
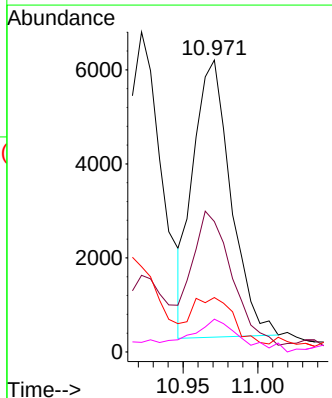
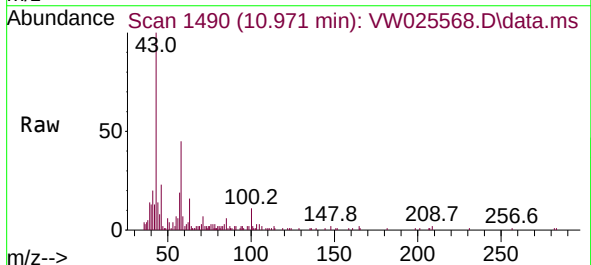
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

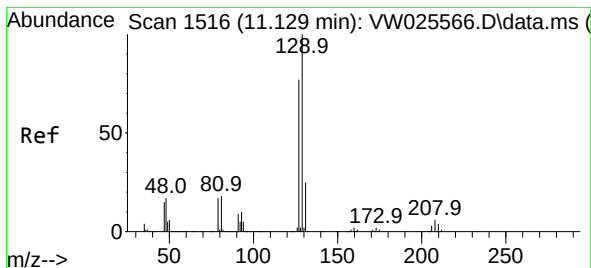
Tgt	Ion:164	Resp:	9674
Ion	Ratio	Lower	Upper
164	100		
129	85.6	76.9	142.9
131	90.2	70.5	130.9
166	107.5	89.2	165.8



#48
2-Hexanone
Concen: 2.201 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 43	Resp:	10350	
Ion	Ratio	Lower	Upper
43	100		
58	53.1	38.6	57.8
57	3.6	13.9	20.9#
100	15.1	8.2	12.2#





#49

Dibromochloromethane

Concen: 1.110 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

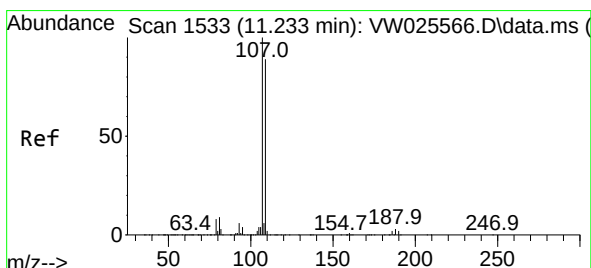
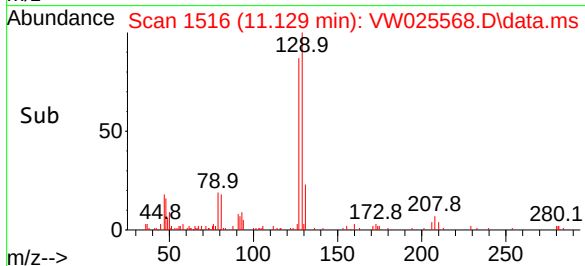
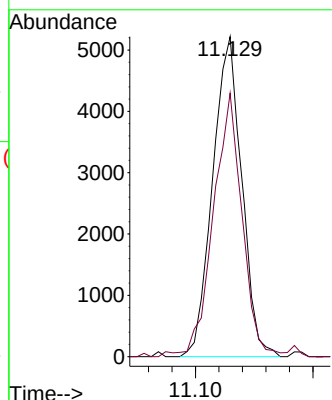
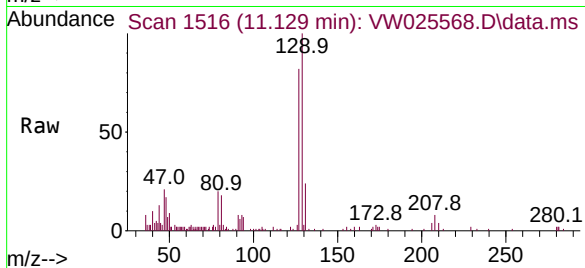
MDL-SOIL-QT2-2023-04DL

Tgt Ion:129 Resp: 8962

Ion Ratio Lower Upper

129 100

127 82.4 54.0 100.2



#50

1,2-Dibromoethane

Concen: 1.105 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

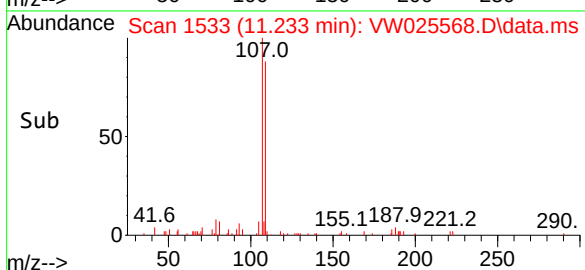
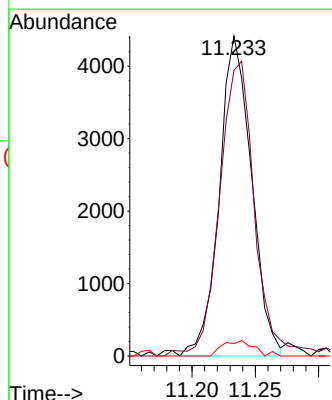
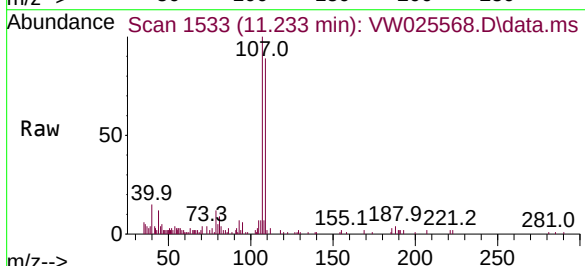
Tgt Ion:107 Resp: 7784

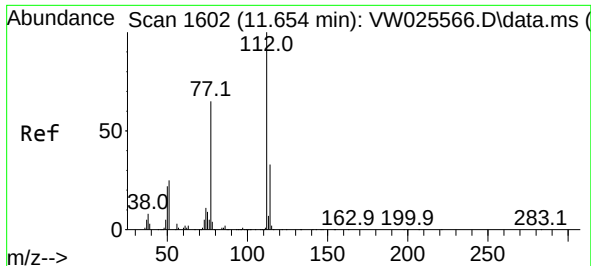
Ion Ratio Lower Upper

107 100

109 89.2 64.1 119.1

188 3.9 2.8 4.2

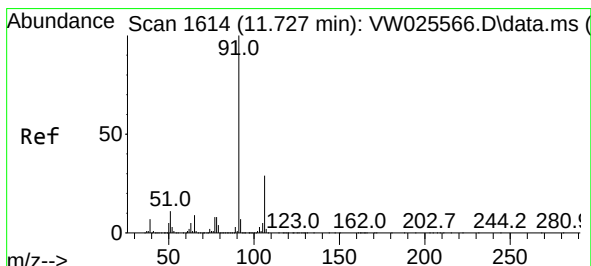
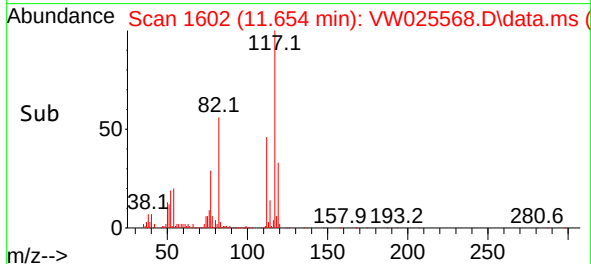
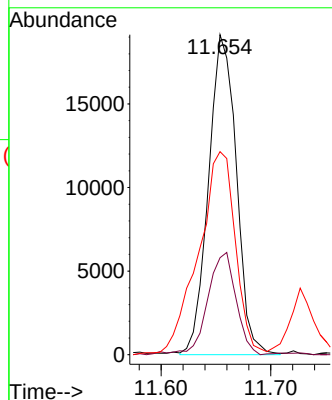
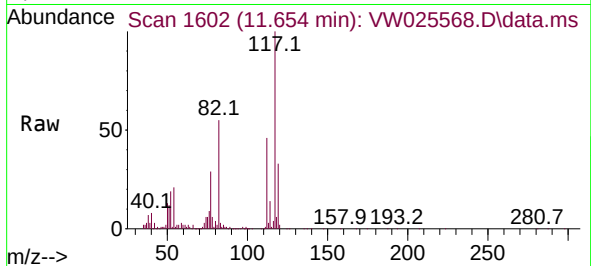




#51
Chlorobenzene
Concen: 1.183 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

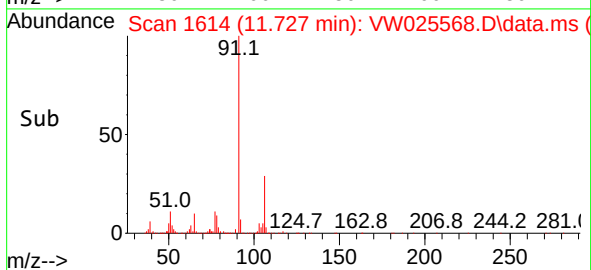
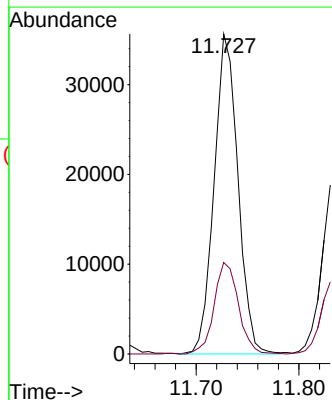
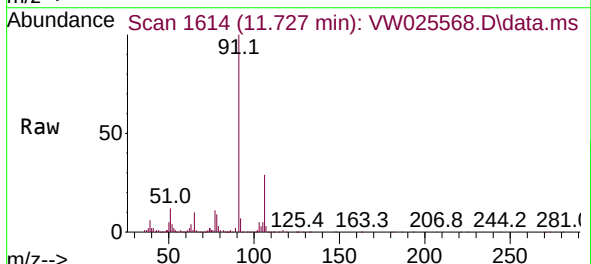
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

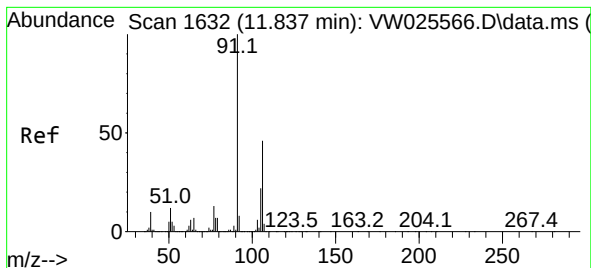
Tgt Ion:112 Resp: 33799
Ion Ratio Lower Upper
112 100
114 30.3 21.6 40.2
77 63.5 50.2 75.2



#52
Ethylbenzene
Concen: 1.092 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 91 Resp: 57299
Ion Ratio Lower Upper
91 100
106 28.6 20.3 37.7





#53

m,p-Xylene

Concen: 1.003 ug/L

RT: 11.837 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

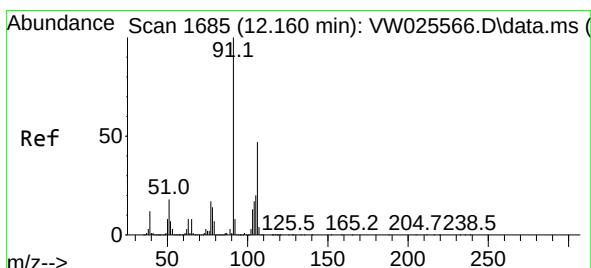
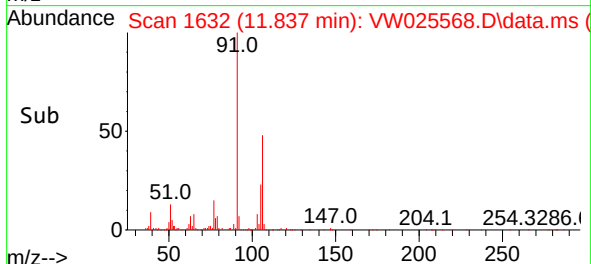
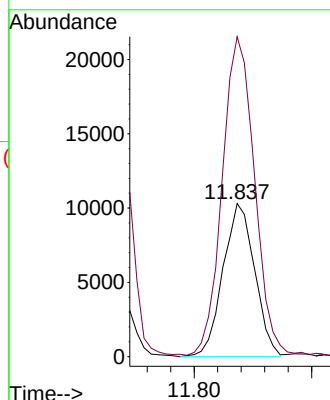
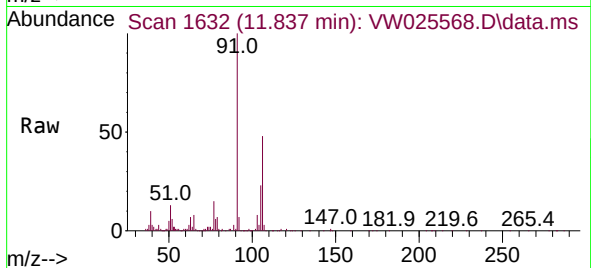
MDL-SOIL-QT2-2023-04DL

Tgt Ion:106 Resp: 19302

Ion Ratio Lower Upper

106 100

91 208.9 148.0 274.8



#54

o-Xylene

Concen: 1.008 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW025568.D

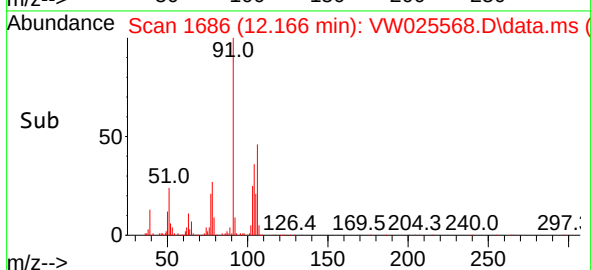
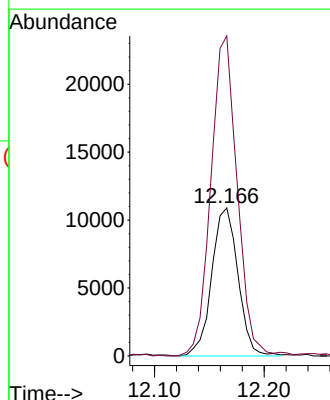
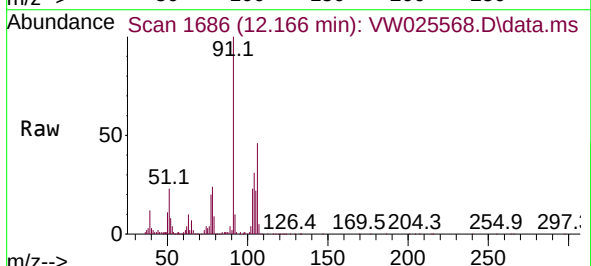
Acq: 10 Apr 2023 11:02

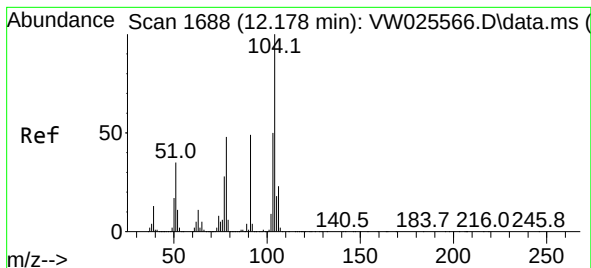
Tgt Ion:106 Resp: 18138

Ion Ratio Lower Upper

106 100

91 216.2 158.2 293.8





#55

Styrene

Concen: 0.934 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

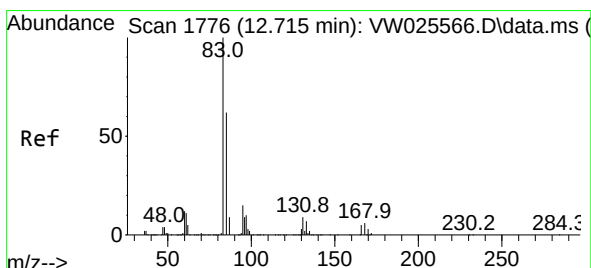
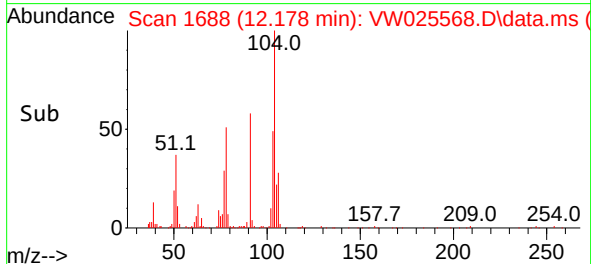
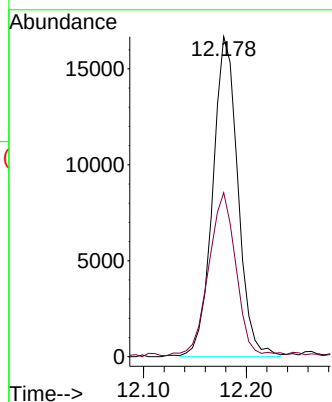
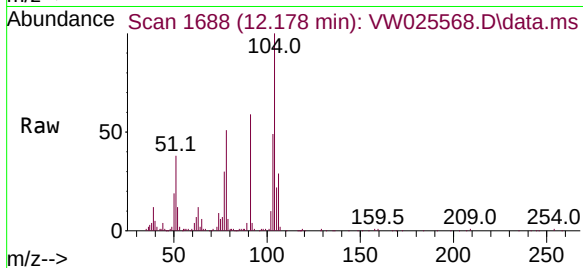
MDL-SOIL-QT2-2023-04DL

Tgt Ion:104 Resp: 28303

Ion Ratio Lower Upper

104 100

78 51.3 33.3 61.9



#57

1,1,2,2-Tetrachloroethane

Concen: 1.233 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

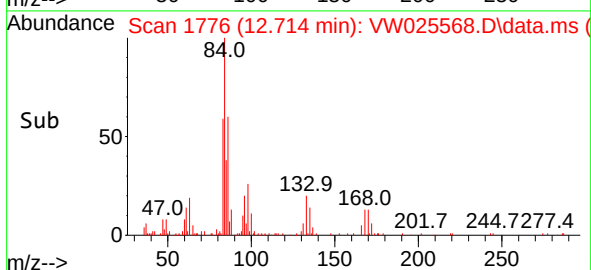
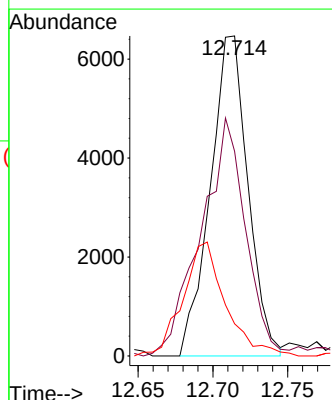
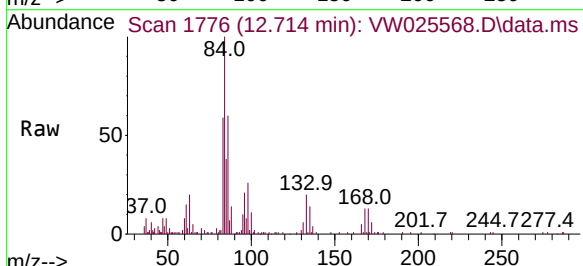
Tgt Ion: 83 Resp: 11328

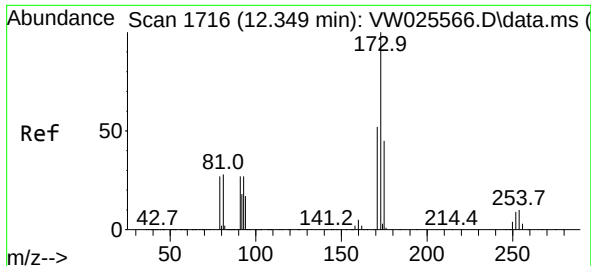
Ion Ratio Lower Upper

83 100

85 64.0 43.5 80.7

131 10.0 7.0 10.4





#59

Bromoform

Concen: 1.236 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

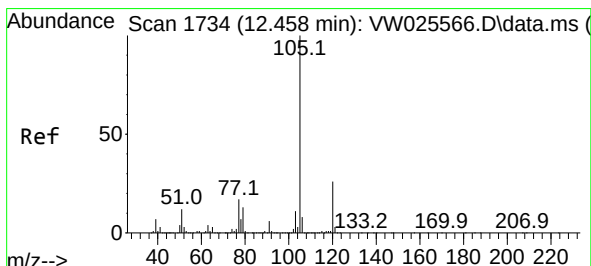
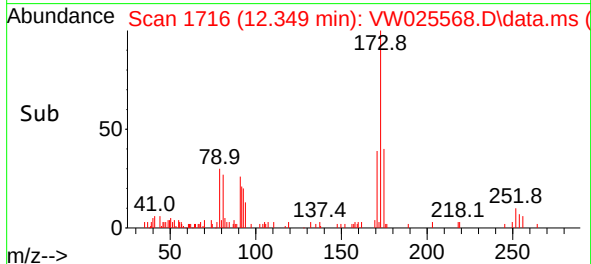
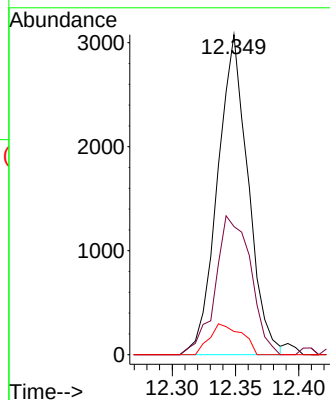
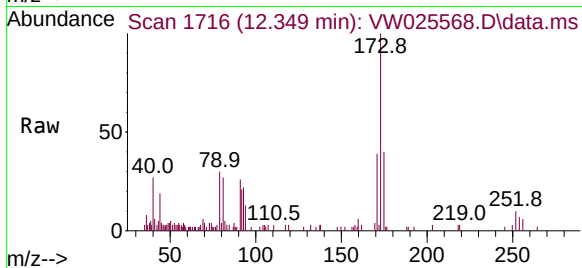
Tgt Ion:173 Resp: 5179

Ion Ratio Lower Upper

173 100

175 50.1 36.1 54.1

254 10.1 7.0 10.6



#60

Isopropylbenzene

Concen: 1.017 ug/L

RT: 12.465 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

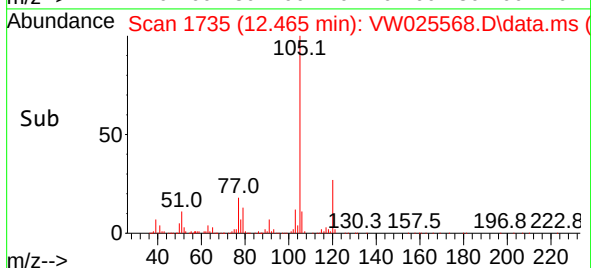
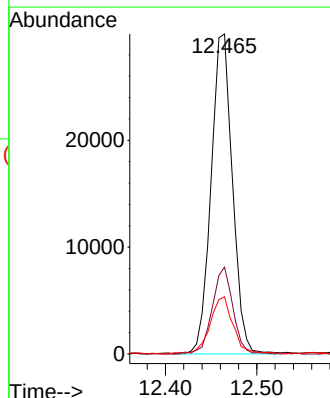
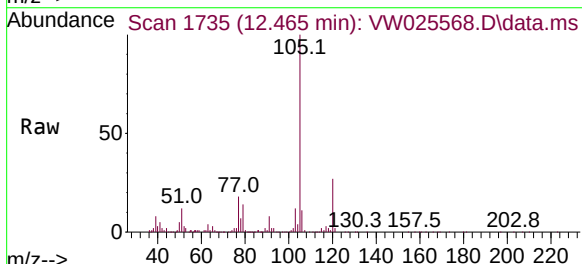
Tgt Ion:105 Resp: 48716

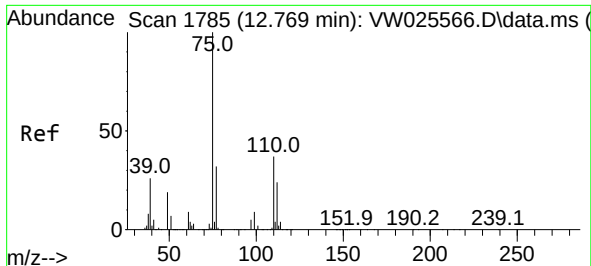
Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

77 18.1 13.2 19.8

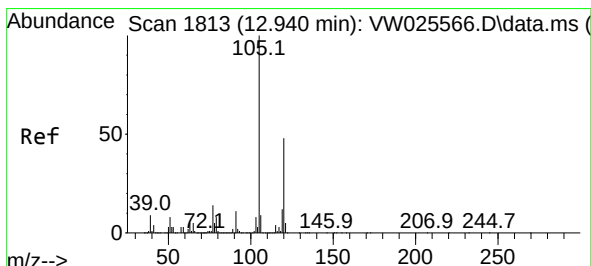
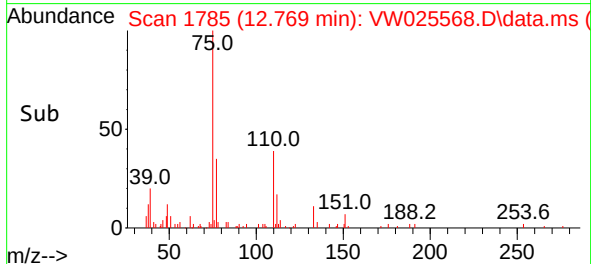
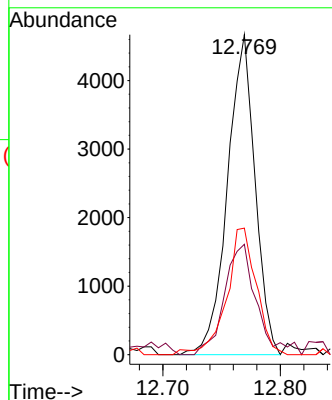
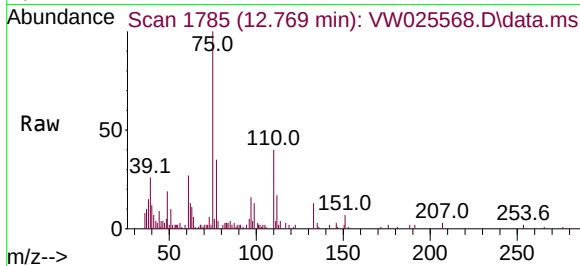




#61
1,2,3-Trichloropropane
Concen: 1.202 ug/L
RT: 12.769 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

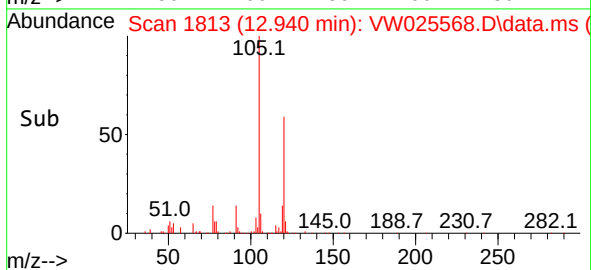
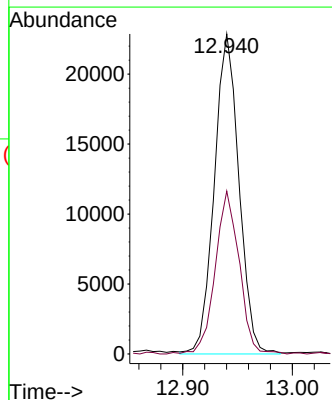
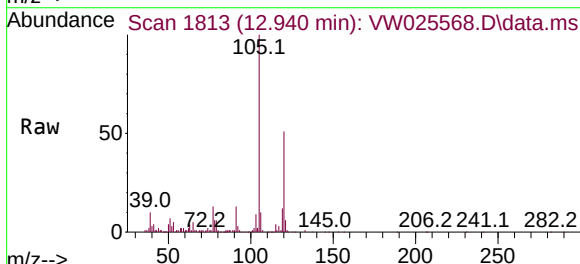
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

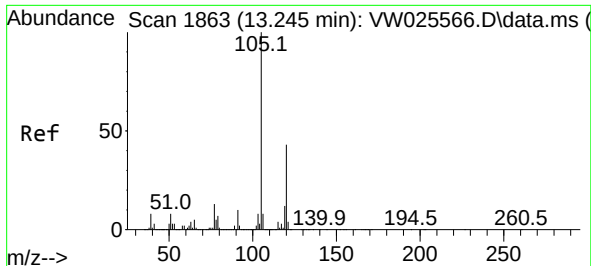
Tgt Ion: 75 Resp: 7617
Ion Ratio Lower Upper
75 100
77 38.0 25.4 38.2
110 41.7 29.0 43.6



#62
1,3,5-Trimethylbenzene
Concen: 0.944 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion: 105 Resp: 35702
Ion Ratio Lower Upper
105 100
120 49.2 38.4 57.6

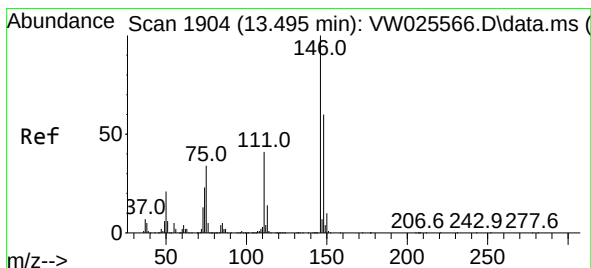
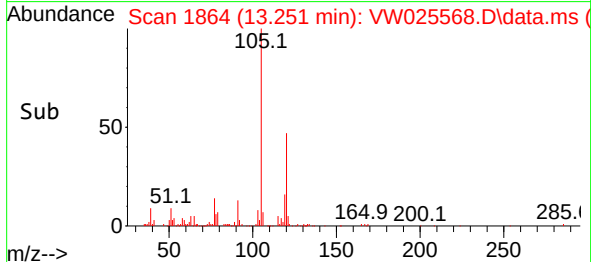
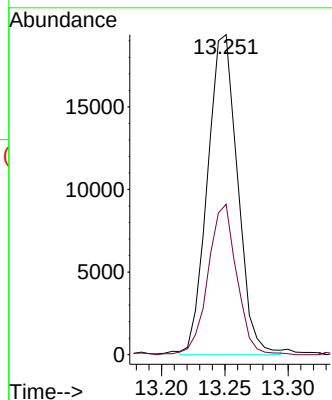
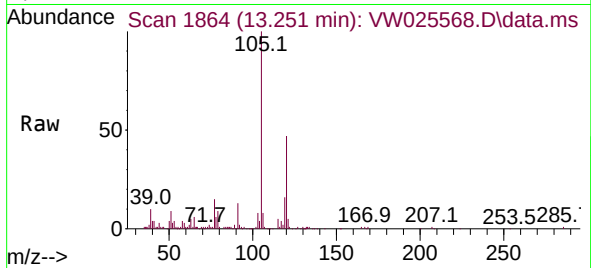




#63
1,2,4-Trimethylbenzene
Concen: 0.880 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

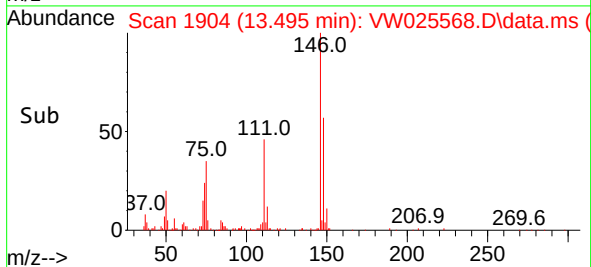
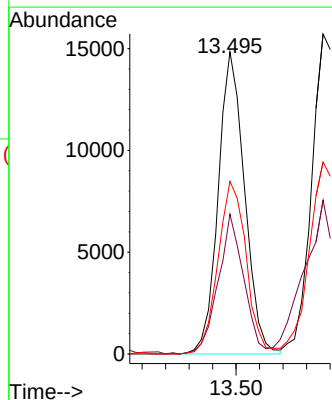
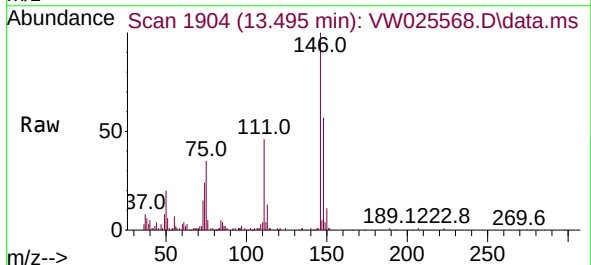
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

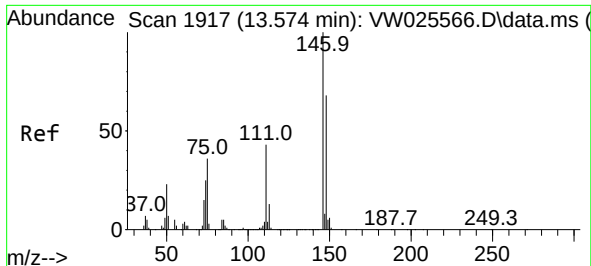
Tgt Ion:105 Resp: 32063
Ion Ratio Lower Upper
105 100
120 44.8 34.8 52.2



#64
1,3-Dichlorobenzene
Concen: 1.166 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion:146 Resp: 23144
Ion Ratio Lower Upper
146 100
111 46.3 29.7 55.1
148 57.2 43.4 80.6

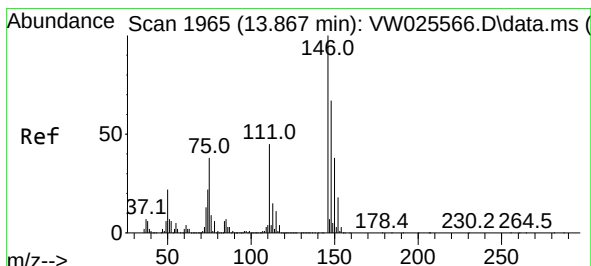
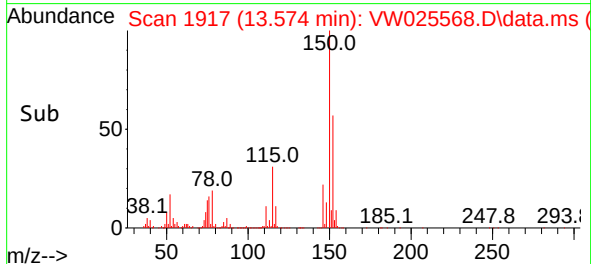
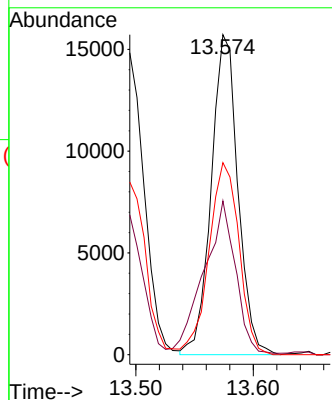
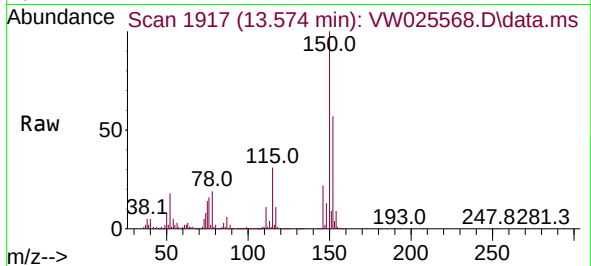




#65
1,4-Dichlorobenzene
Concen: 1.226 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

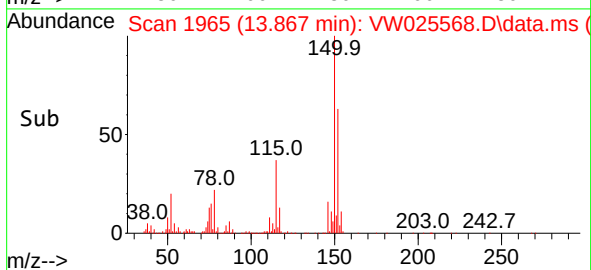
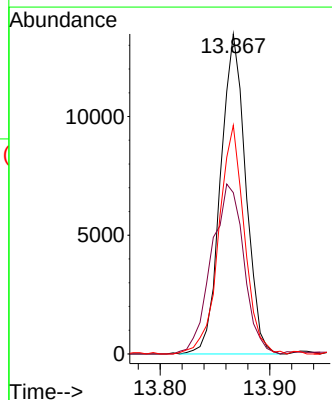
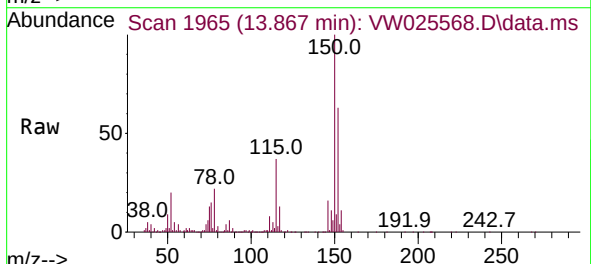
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

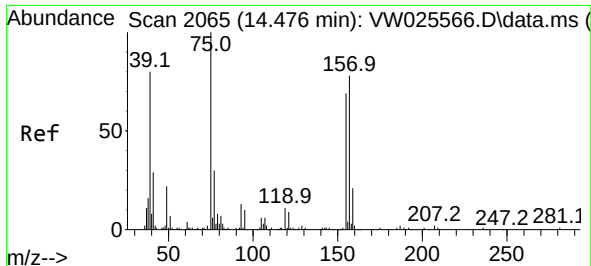
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	30.4	56.5
148	60.0	48.6	90.3



#67
1,2-Dichlorobenzene
Concen: 1.230 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.4	35.3	52.9
148	71.5	47.9	71.9





#68

1,2-Dibromo-3-chloropropane

Concen: 1.506 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2023-04DL

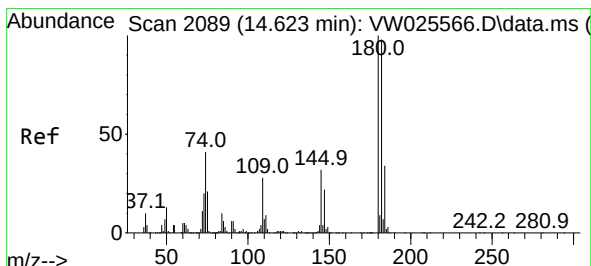
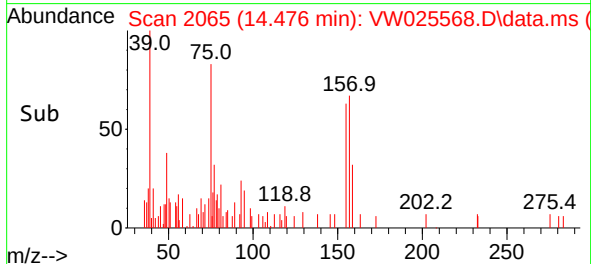
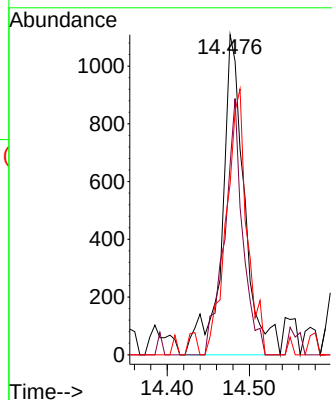
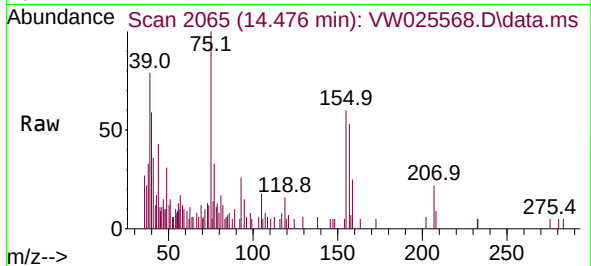
Tgt Ion: 75 Resp: 2095

Ion Ratio Lower Upper

75 100

155 59.5 61.1 91.7#

157 60.1 72.8 109.2#



#69

1,3,5-Trichlorobenzene

Concen: 1.181 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025568.D

Acq: 10 Apr 2023 11:02

Tgt Ion:180 Resp: 15696

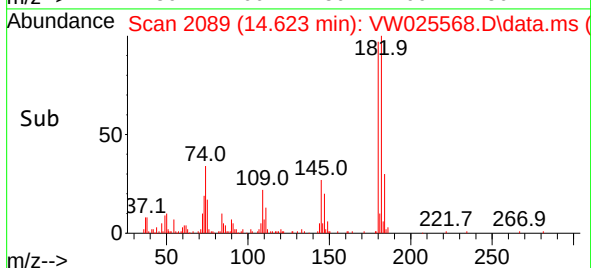
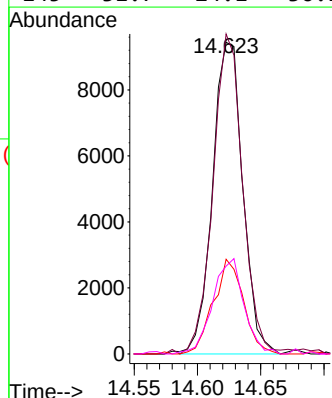
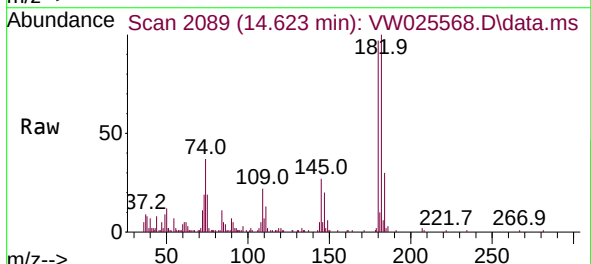
Ion Ratio Lower Upper

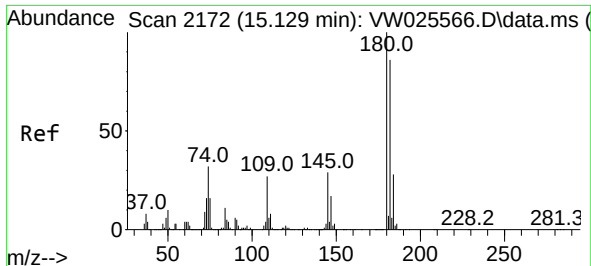
180 100

182 100.0 76.4 114.6

184 30.3 24.1 36.1

145 31.7 24.1 36.1

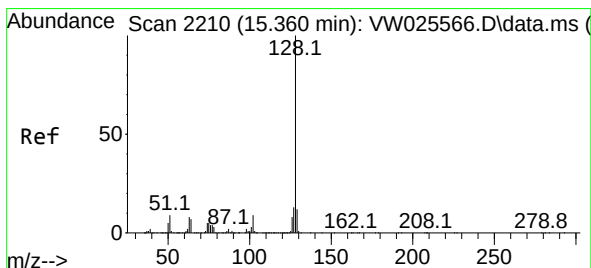
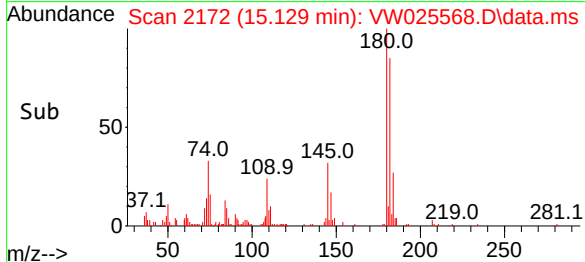
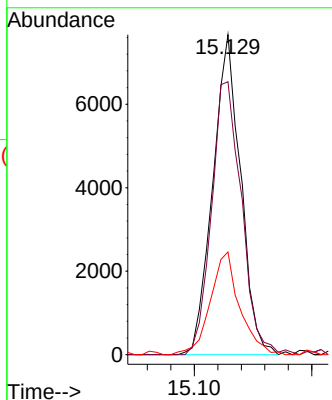
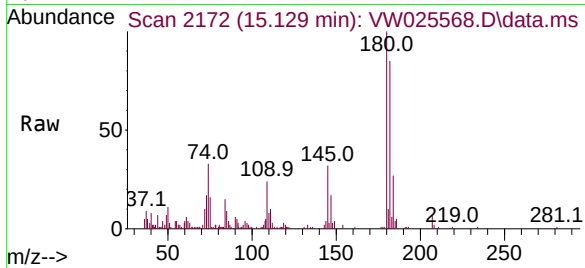




#70
1,2,4-trichlorobenzene
Concen: 1.167 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

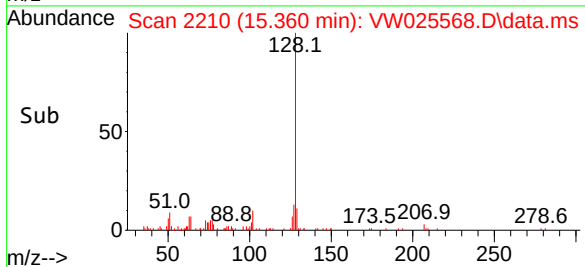
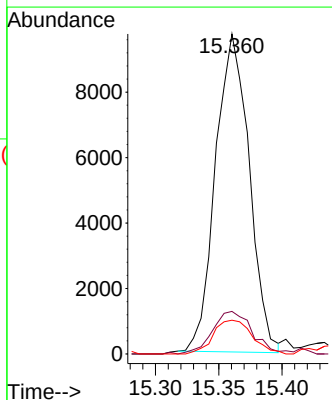
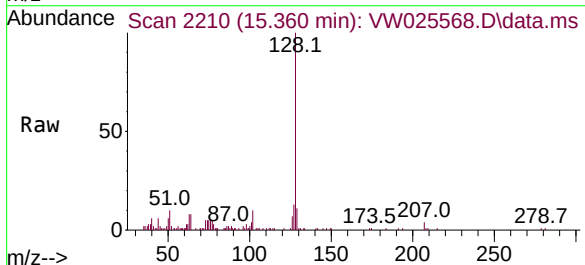
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2023-04DL

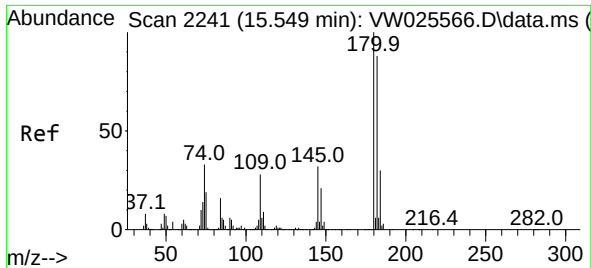
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	79.5	119.3
145	33.8	27.4	41.0



#71
Naphthalene
Concen: 0.893 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW025568.D
Acq: 10 Apr 2023 11:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.4	15.6
129	12.3	8.7	13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1.093 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025568.D
 Acq: 10 Apr 2023 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2023-04DL

Tgt Ion:	180	Resp:	10321
Ion	Ratio	Lower	Upper
180	100		
182	103.5	72.9	109.3
145	34.2	27.0	40.6

