

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090822\
 Data File : VW024585.D
 Acq On : 08 Sep 2022 12:33
 Operator : SY/VA
 Sample : N4015-03 MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2022-05

Quant Time: Sep 08 22:36:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Sep 08 22:22:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	257870	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	257820	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	117852	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	149271	28.037	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 112.160%	
7) Chloroethane-d5	2.879	69	114703	28.975	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 115.880%	
11) 1,1-Dichloroethene-d2	4.263	63	95	0.017	ug/L	0.25
Spiked Amount	25.000	Range	45 - 110	Recovery	= 0.080%#	
21) 2-Butanone-d5	7.080	46	40558	47.223	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 94.440%	
24) Chloroform-d	7.647	84	166055	25.284	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 101.120%	
26) 1,2-Dichloroethane-d4	8.439	65	237	0.064	ug/L	0.14
Spiked Amount	25.000	Range	70 - 130	Recovery	= 0.240%#	
32) Benzene-d6	8.275	84	329493	25.981	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.920%	
36) 1,2-Dichloropropane-d6	9.268	67	91564	24.488	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 97.960%	
41) Toluene-d8	10.323	98	316392	25.591	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 102.360%	
43) trans-1,3-Dichloroprop...	10.579	79	38345	22.883	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 91.520%	
47) 2-Hexanone-d5	10.921	63	31185	45.373	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 90.740%	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	81329	22.693	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 90.760%	
66) 1,2-Dichlorobenzene-d4	13.847	152	98167	26.299	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.959	85	112	0.091	ug/L	90
3) Chloromethane	2.215	50	4206	1.095	ug/L	92
5) Vinyl chloride	2.349	62	9374	1.448	ug/L #	35
6) Bromomethane	2.770	94	5348	1.267	ug/L	97
8) Chloroethane	2.910	64	4549	1.291	ug/L	99
9) Trichlorofluoromethane	3.239	101	3144	0.840	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	2885	0.836	ug/L #	79
12) 1,1-Dichloroethene	4.032	96	3642	1.235	ug/L #	1
13) Acetone	4.117	43	811	1.110	ug/L	93
14) Carbon disulfide	4.373	76	9380	1.202	ug/L	100
15) Methyl Acetate	4.775	43	142	0.092	ug/L	97
16) Methylene chloride	4.915	84	5099	1.325	ug/L	96
17) trans-1,2-Dichloroethene	5.421	96	2770	0.820	ug/L	90
18) Methyl tert-butyl Ether	5.428	73	4715	0.784	ug/L #	68
19) 1,1-Dichloroethane	6.208	63	6645	1.081	ug/L #	84
20) cis-1,2-Dichloroethene	7.116	96	107	0.028	ug/L	74
22) 2-Butanone	7.080	43	322	0.272	ug/L	86
23) Bromochloromethane	7.500	128	898	0.518	ug/L #	79
25) Chloroform	7.732	83	51	0.007	ug/L	85

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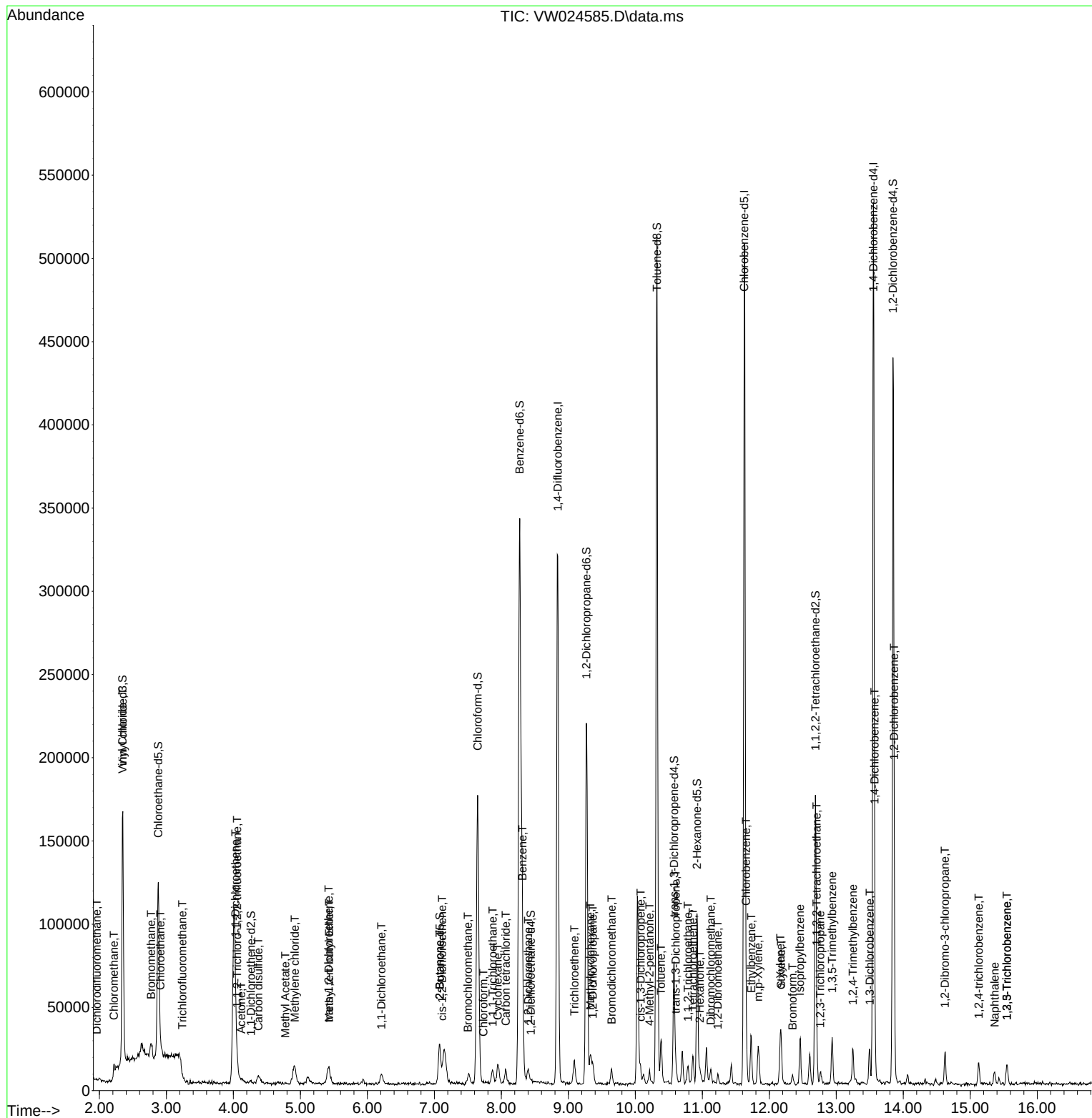
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	5935	1.294	ug/L #	83
29) Cyclohexane	7.945	56	5341	1.070	ug/L	93
30) 1,1,1-Trichloroethane	7.872	97	6091	1.077	ug/L #	90
31) Carbon tetrachloride	8.067	117	5618	1.088	ug/L	99
33) Benzene	8.317	78	16890	1.154	ug/L	100
34) Trichloroethene	9.092	95	4144	1.084	ug/L	94
35) Methylcyclohexane	9.329	83	6124	1.002	ug/L	93
37) 1,2-Dichloropropane	9.366	63	4073	1.114	ug/L #	97
38) Bromodichloromethane	9.646	83	4925	0.953	ug/L #	92
39) cis-1,3-Dichloropropene	10.079	75	5751	1.076	ug/L	88
40) 4-Methyl-2-pentanone	10.213	43	4819	1.999	ug/L #	97
42) Toluene	10.384	91	18095	1.122	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	4364	0.865	ug/L	86
45) 1,1,2-Trichloroethane	10.786	97	2993	0.980	ug/L	88
46) Tetrachloroethene	10.860	164	3467	1.231	ug/L	90
48) 2-Hexanone	10.963	43	3905	2.362	ug/L #	92
49) Dibromochloromethane	11.128	129	3577	1.002	ug/L	95
50) 1,2-Dibromoethane	11.231	107	3157	1.065	ug/L	87
51) Chlorobenzene	11.652	112	12660	1.136	ug/L #	85
52) Ethylbenzene	11.731	91	18621	1.017	ug/L	94
53) m,p-Xylene	11.835	106	6967	0.974	ug/L	96
54) o-Xylene	12.164	106	6230	0.914	ug/L	89
55) Styrene	12.176	104	9210	0.768	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.707	83	3907	1.010	ug/L #	87
59) Bromoform	12.347	173	1759	1.027	ug/L #	97
60) Isopropylbenzene	12.457	105	15357	0.962	ug/L #	96
61) 1,2,3-Trichloropropane	12.762	75	2665	1.093	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.938	105	12009	0.906	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	10959	0.831	ug/L	95
64) 1,3-Dichlorobenzene	13.499	146	7475	1.040	ug/L	94
65) 1,4-Dichlorobenzene	13.572	146	9711	1.281	ug/L	82
67) 1,2-Dichlorobenzene	13.865	146	8303	1.238	ug/L #	83
68) 1,2-Dibromo-3-chloropr...	14.621	75	1709	2.962	ug/L #	4
69) 1,3,5-Trichlorobenzene	15.548	180	3355	0.718	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	3432	0.926	ug/L	97
71) Naphthalene	15.365	128	6074	0.741	ug/L #	91
72) 1,2,3-Trichlorobenzene	15.548	180	3355	0.973	ug/L	96

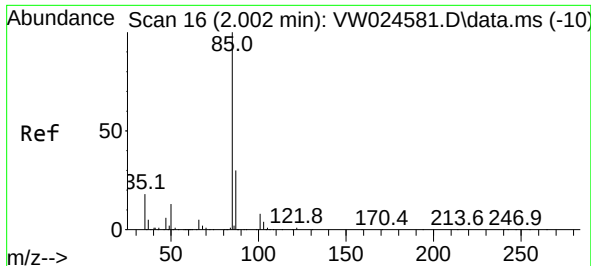
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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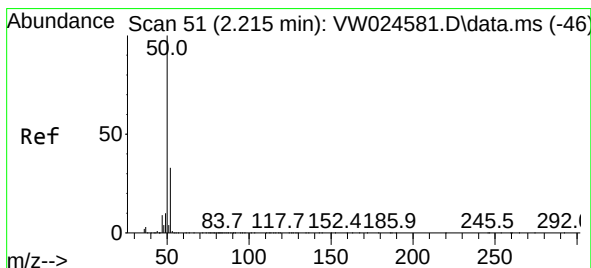
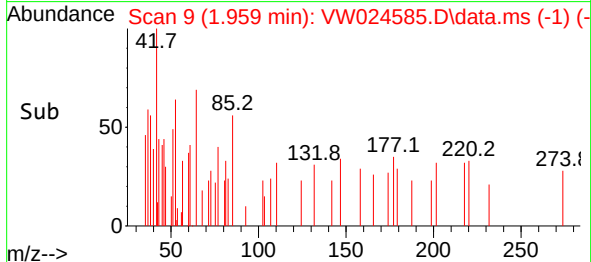
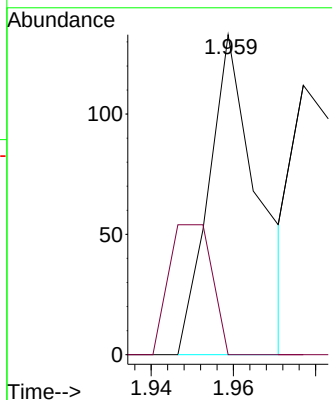
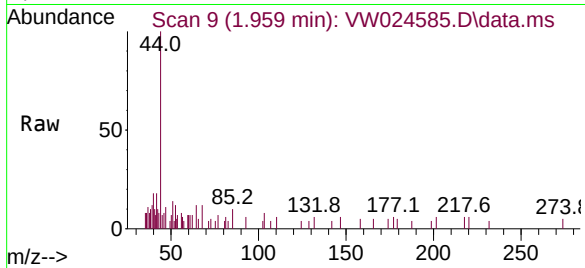




#2
Dichlorodifluoromethane
Concen: 0.091 ug/L
RT: 1.959 min Scan# 9
Delta R.T. -0.043 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

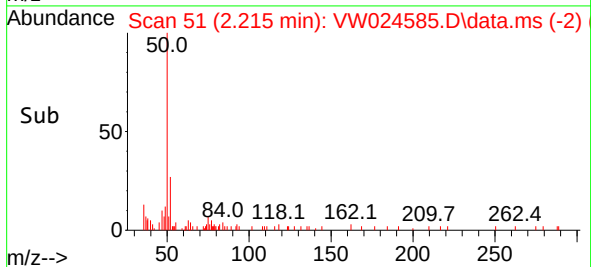
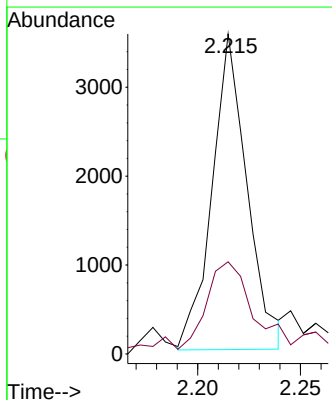
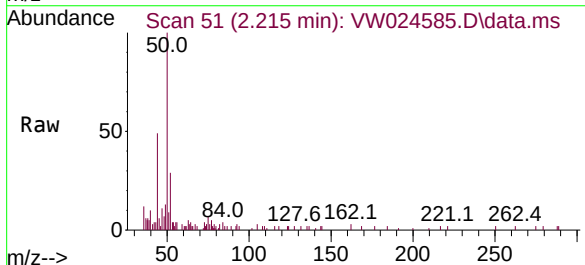
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

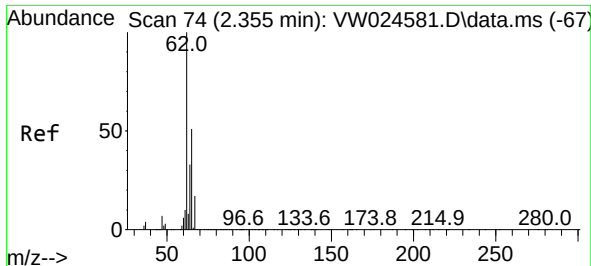
Tgt Ion: 85 Resp: 112
Ion Ratio Lower Upper
85 100
87 35.7 24.2 36.2



#3
Chloromethane
Concen: 1.095 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 50 Resp: 4206
Ion Ratio Lower Upper
50 100
52 28.8 23.3 43.3

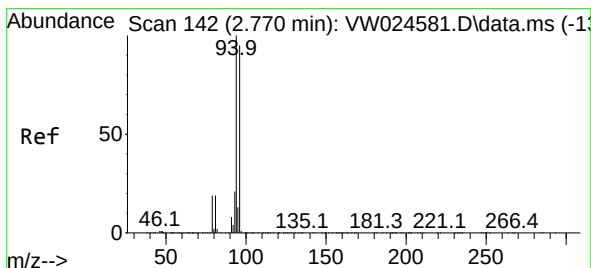
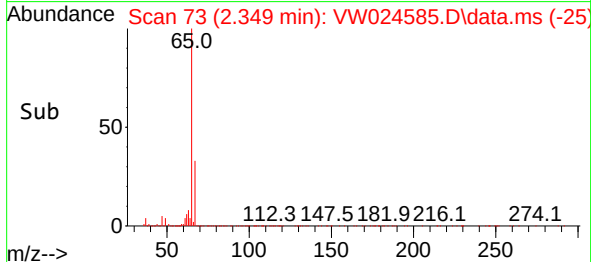
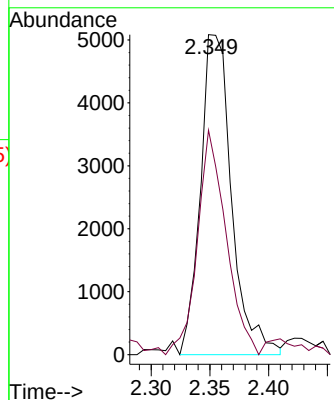
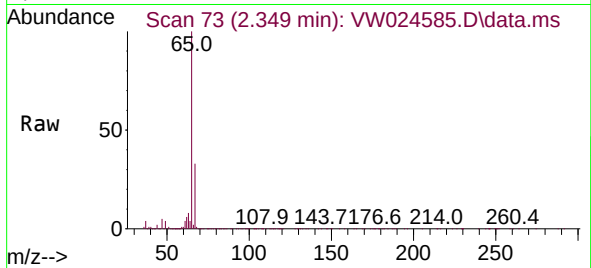




#5
 Vinyl chloride
 Concen: 1.448 ug/L
 RT: 2.349 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW024585.D
 Acq: 08 Sep 2022 12:33

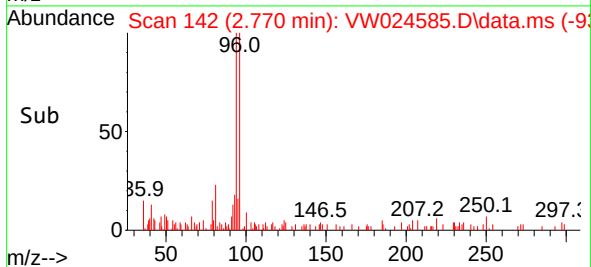
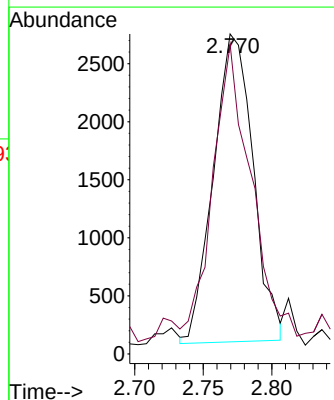
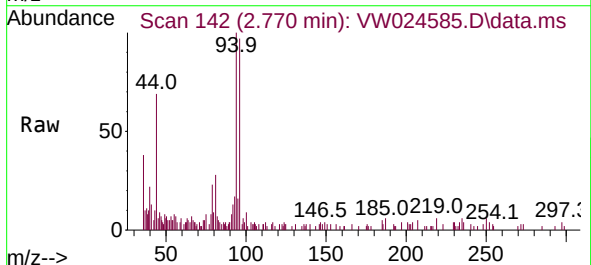
Instrument :
 MSVOA_W
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 MDL-SOIL-QT3-2022-05

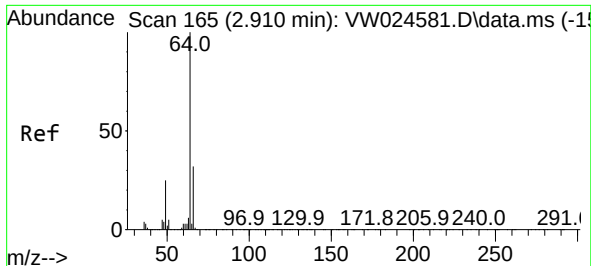
Tgt Ion: 62 Resp: 9374
 Ion Ratio Lower Upper
 62 100
 64 70.2 23.3 43.3#



#6
 Bromomethane
 Concen: 1.267 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. -0.000 min
 Lab File: VW024585.D
 Acq: 08 Sep 2022 12:33

Tgt Ion: 94 Resp: 5348
 Ion Ratio Lower Upper
 94 100
 96 96.8 69.8 129.6

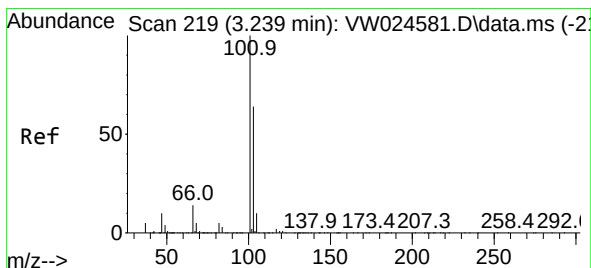
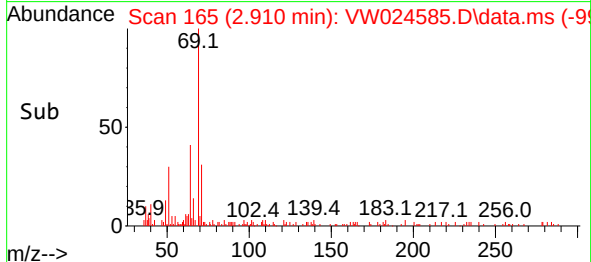
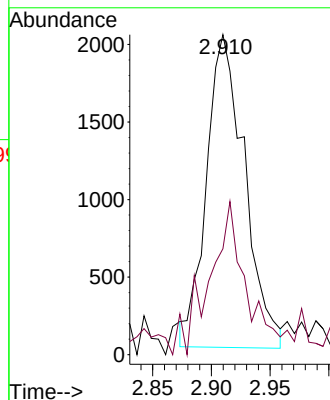
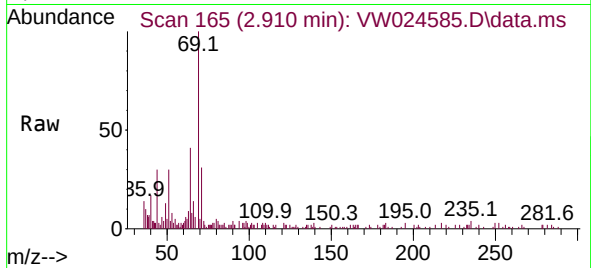




#8
Chloroethane
Concen: 1.291 ug/L
RT: 2.910 min Scan# 165
Delta R.T. -0.000 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

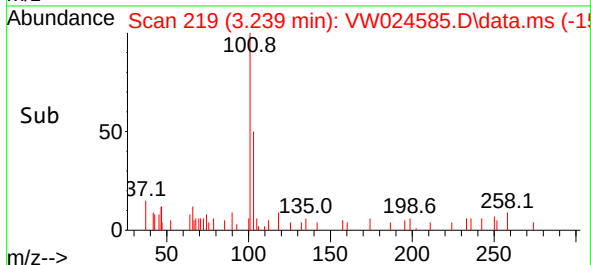
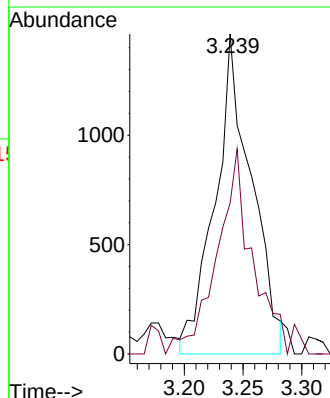
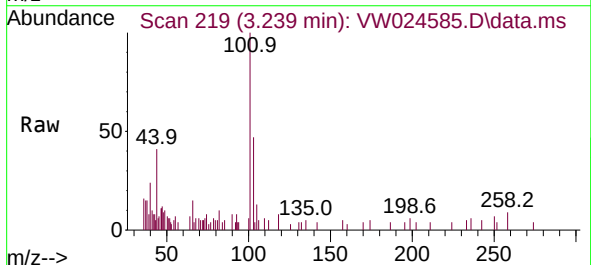
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

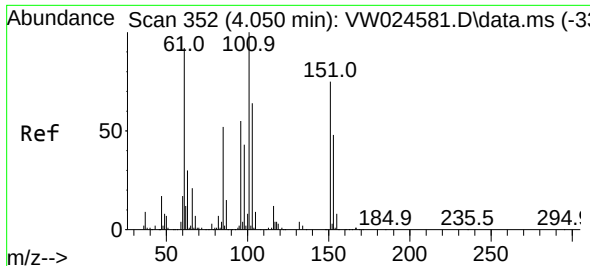
Tgt Ion: 64 Resp: 4549
Ion Ratio Lower Upper
64 100
66 33.1 23.7 44.1



#9
Trichlorofluoromethane
Concen: 0.840 ug/L
RT: 3.239 min Scan# 219
Delta R.T. -0.000 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 101 Resp: 3144
Ion Ratio Lower Upper
101 100
103 59.4 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.836 ug/L

RT: 4.056 min Scan# 352

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

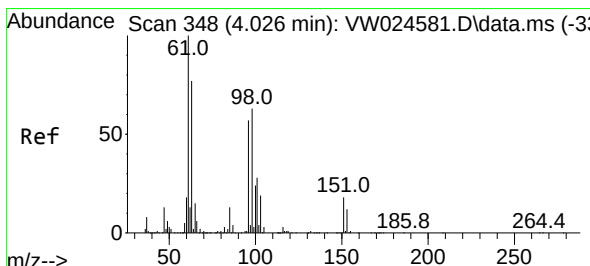
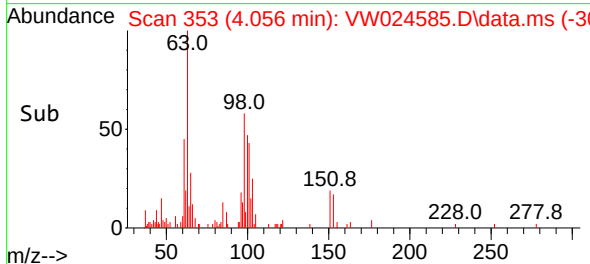
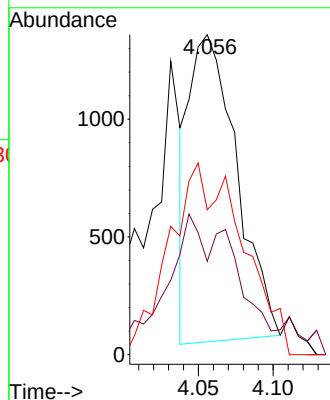
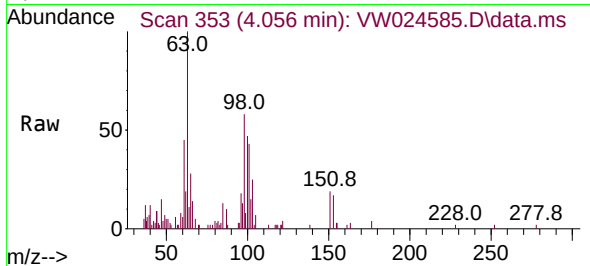
Tgt Ion:101 Resp: 2885

Ion Ratio Lower Upper

101 100

85 38.3 21.8 32.8#

151 51.1 53.9 80.9#



#12

1,1-Dichloroethene

Concen: 1.235 ug/L

RT: 4.032 min Scan# 349

Delta R.T. 0.006 min

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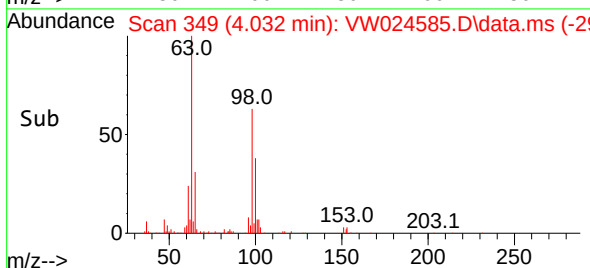
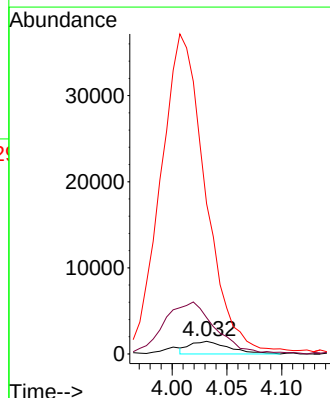
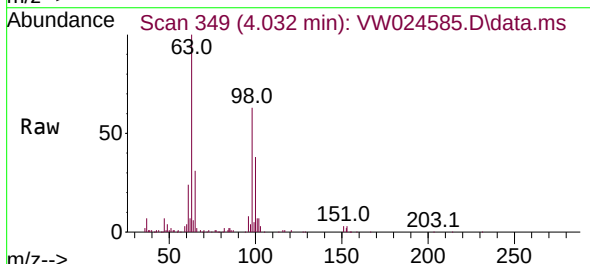
Tgt Ion: 96 Resp: 3642

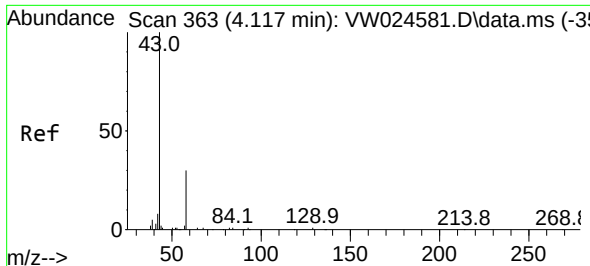
Ion Ratio Lower Upper

96 100

61 286.0 119.8 222.6#

63 1185.9 89.6 166.4#

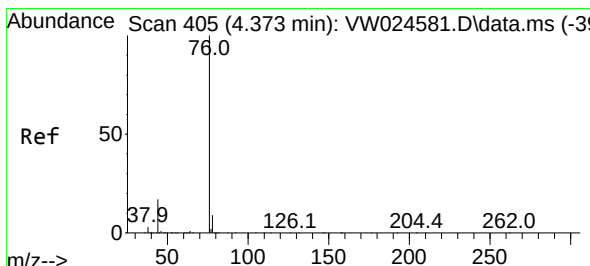
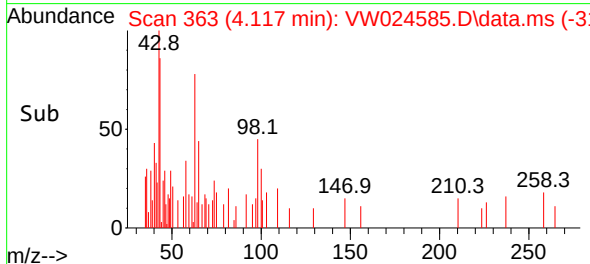
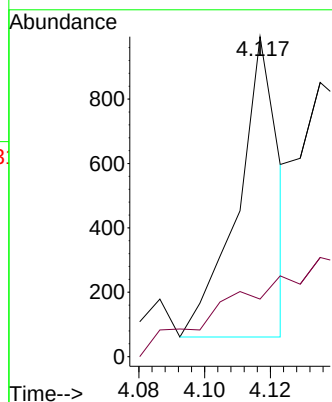
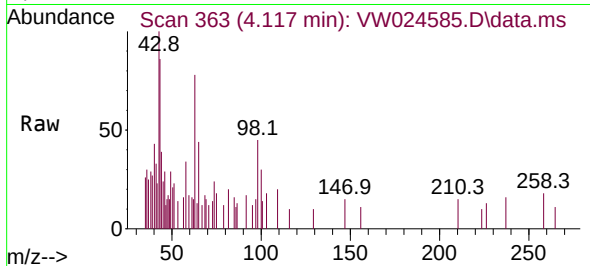




#13
Acetone
Concen: 1.110 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.000 min
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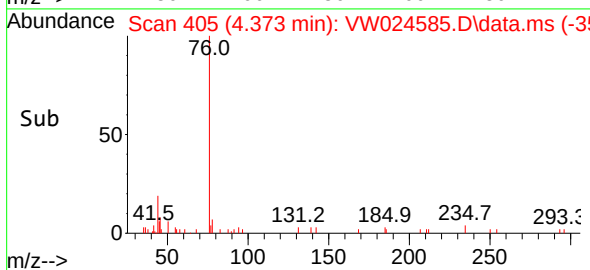
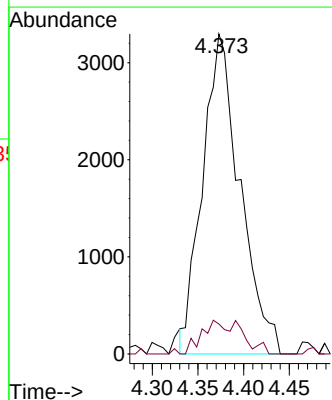
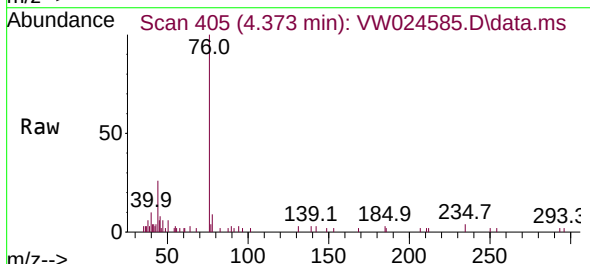
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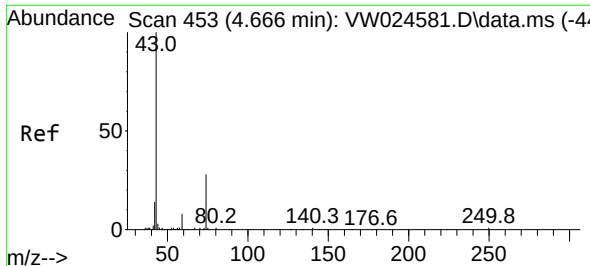
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 24.9 0.0 57.8



#14
Carbon disulfide
Concen: 1.202 ug/L
RT: 4.373 min Scan# 405
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 9380
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

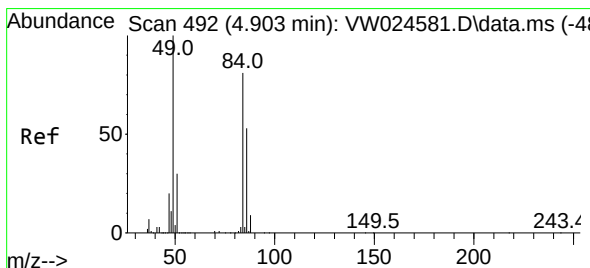
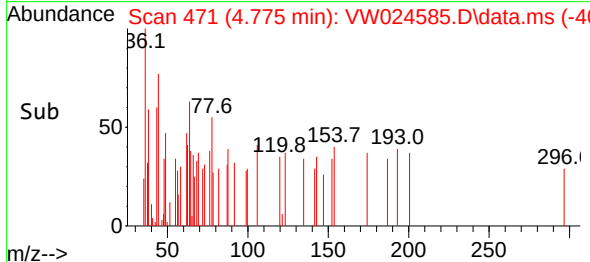
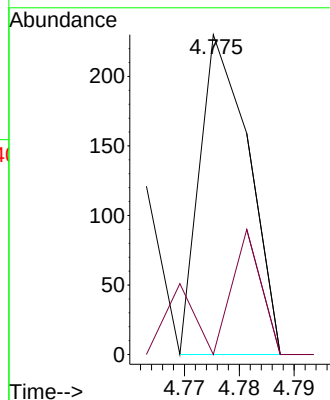
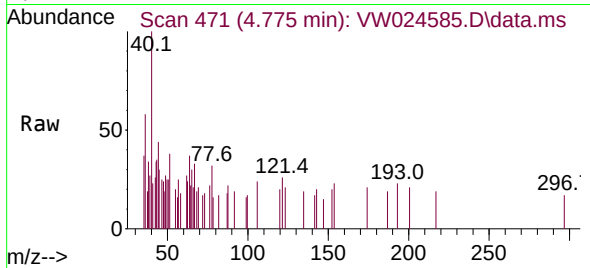




#15
Methyl Acetate
Concen: 0.092 ug/L
RT: 4.775 min Scan# 41
Delta R.T. 0.110 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

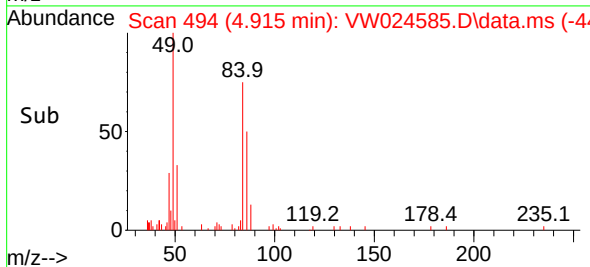
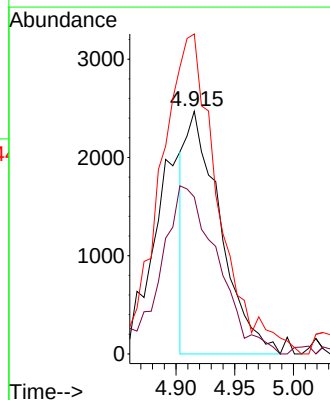
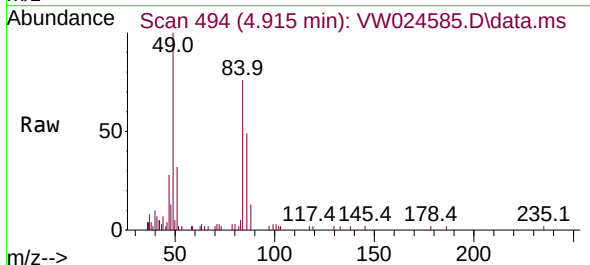
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

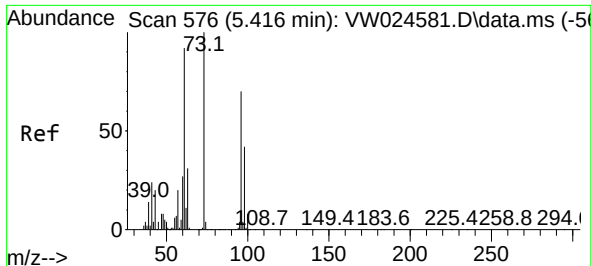
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 23.2 19.9 29.9



#16
Methylene chloride
Concen: 1.325 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.012 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 84 Resp: 5099
Ion Ratio Lower Upper
84 100
86 64.7 44.4 82.5
49 131.8 88.5 164.3

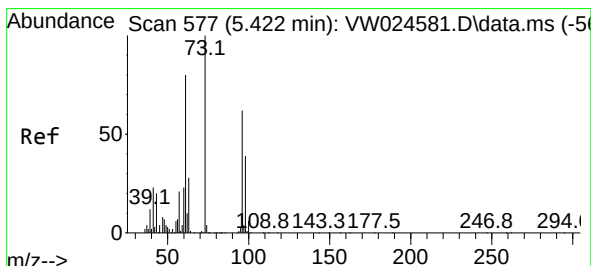
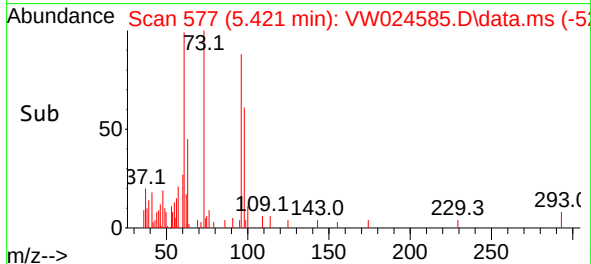
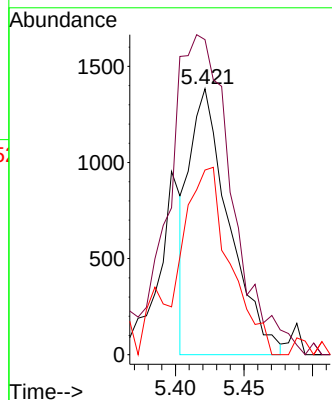
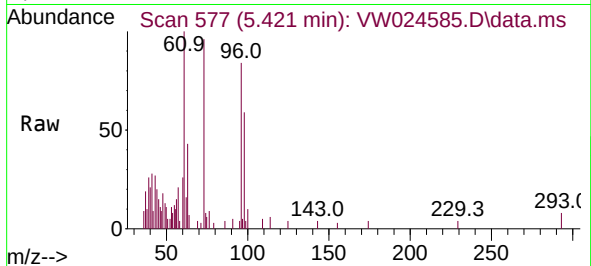




#17
trans-1,2-Dichloroethene
Concen: 0.820 ug/L
RT: 5.421 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

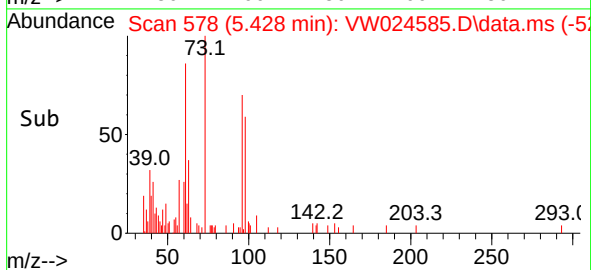
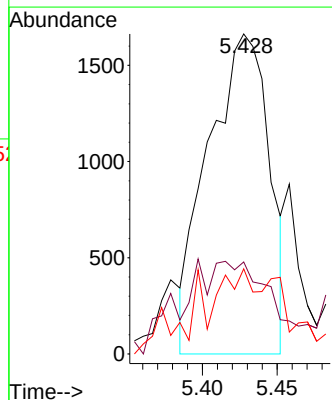
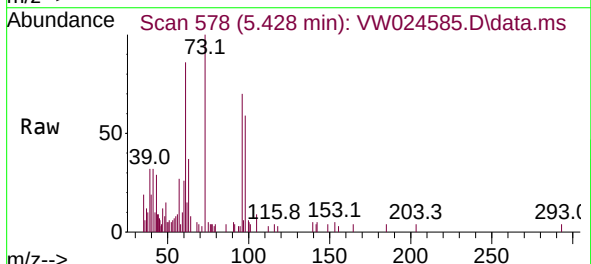
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

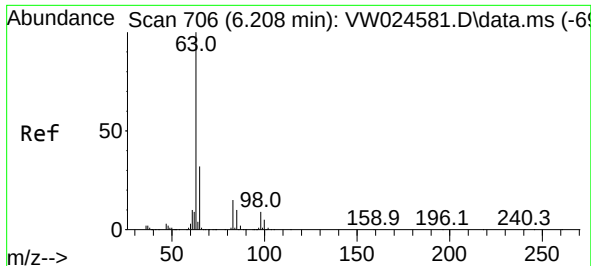
Tgt Ion: 96 Resp: 2770
Ion Ratio Lower Upper
96 100
61 118.4 91.7 170.3
98 69.4 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 0.784 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 73 Resp: 4715
Ion Ratio Lower Upper
73 100
43 3.6 16.7 25.1#
57 8.2 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 1.081 ug/L

RT: 6.208 min Scan# 706

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

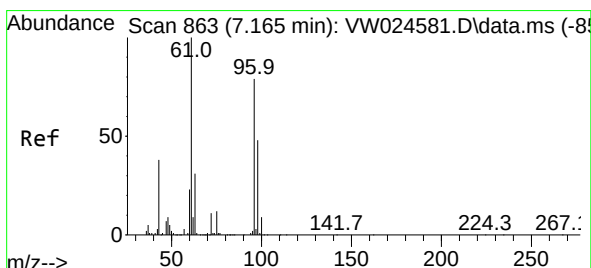
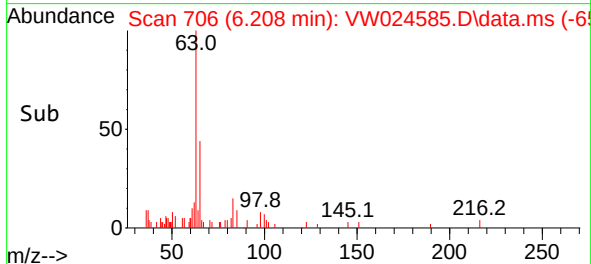
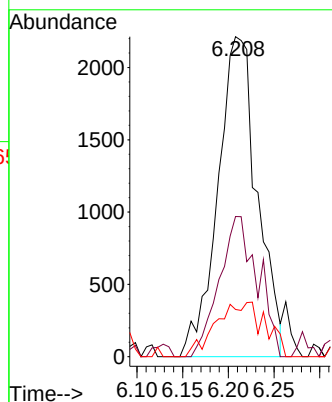
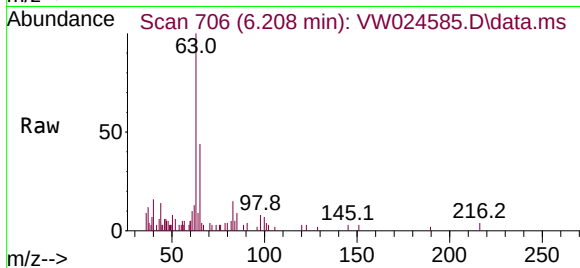
Tgt Ion: 63 Resp: 6645

Ion Ratio Lower Upper

63 100

65 43.8 22.0 41.0#

83 14.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 0.028 ug/L

RT: 7.116 min Scan# 855

Delta R.T. -0.049 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

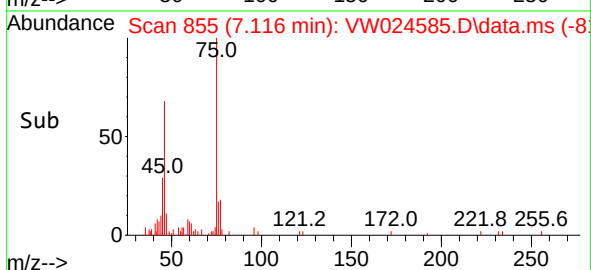
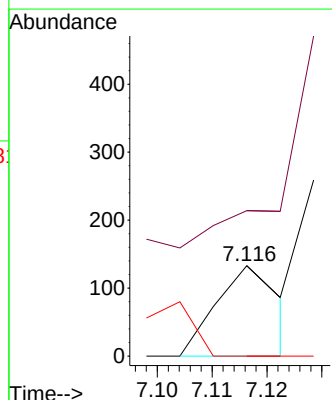
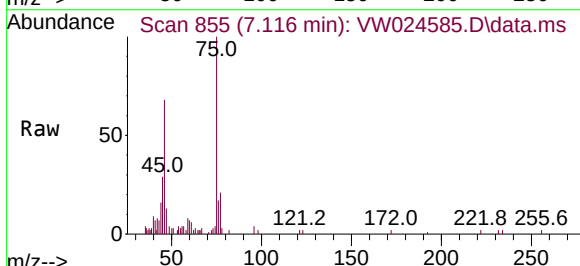
Tgt Ion: 96 Resp: 107

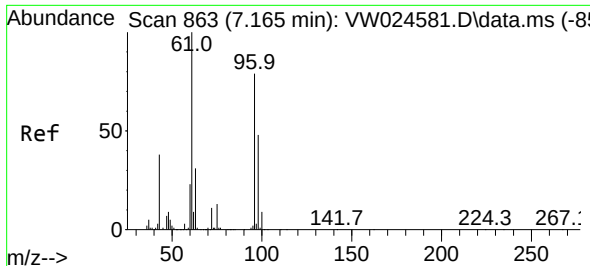
Ion Ratio Lower Upper

96 100

61 160.9 91.2 169.4

68 0.0 0.0 0.0

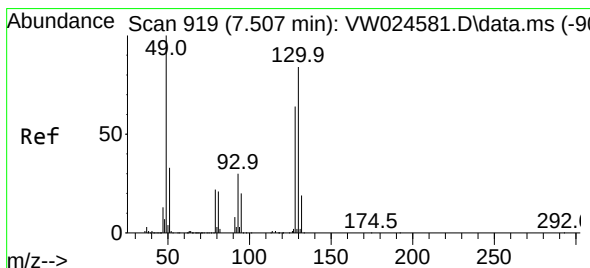
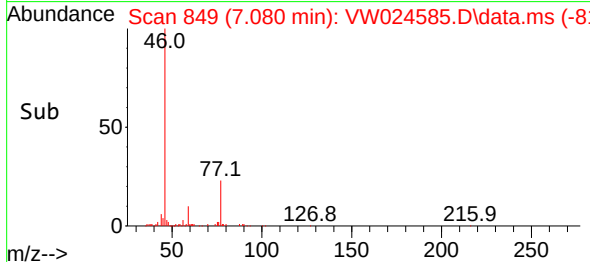
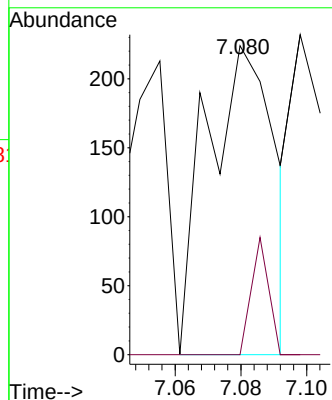
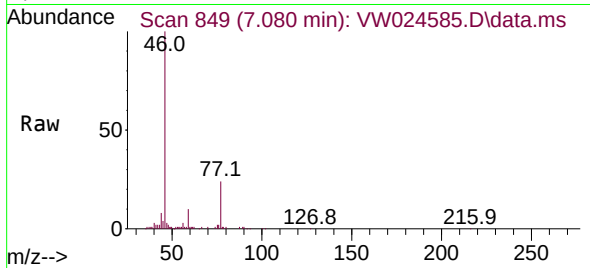




#22
2-Butanone
Concen: 0.272 ug/L
RT: 7.080 min Scan# 849
Delta R.T. -0.085 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

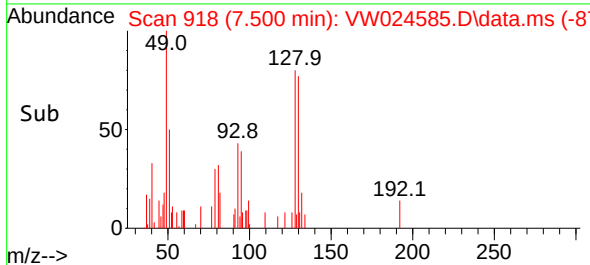
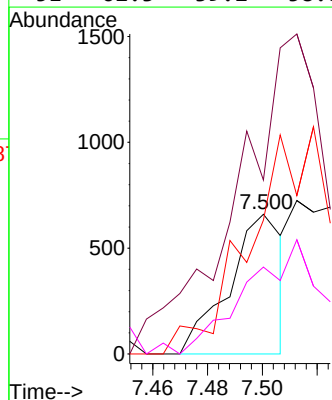
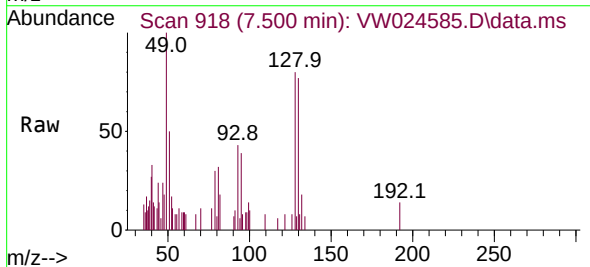
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

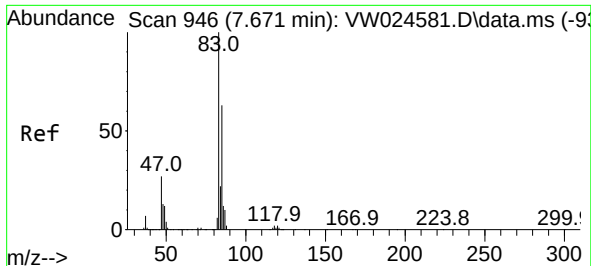
Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
72 38.5 15.4 46.4



#23
Bromochloromethane
Concen: 0.518 ug/L
RT: 7.500 min Scan# 918
Delta R.T. -0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 128 Resp: 898
Ion Ratio Lower Upper
128 100
49 124.5 110.0 204.2
130 105.8 88.3 163.9
51 62.3 39.2 58.8#





#25

Chloroform

Concen: 0.007 ug/L

RT: 7.732 min Scan# 91

Delta R.T. 0.061 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

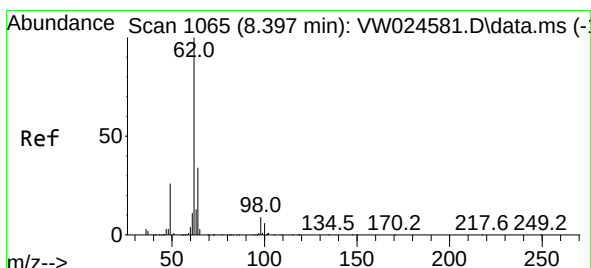
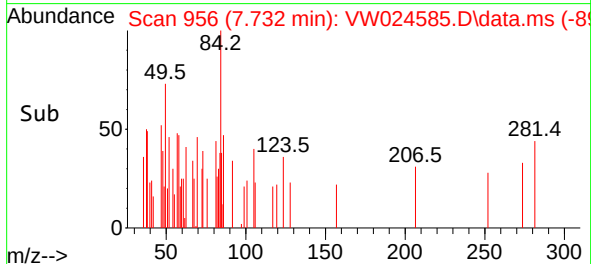
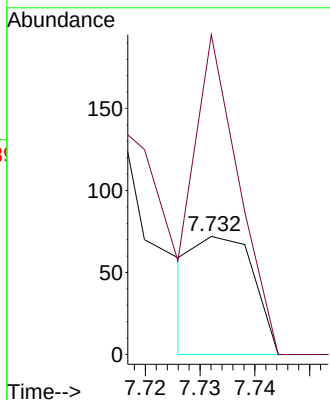
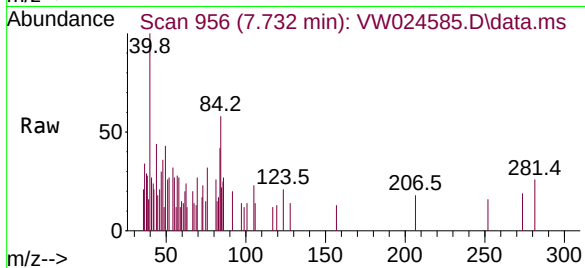
MDL-SOIL-QT3-2022-05

Tgt Ion: 83 Resp: 51

Ion Ratio Lower Upper

83 100

85 78.3 46.4 86.2



#27

1,2-Dichloroethane

Concen: 1.294 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW024585.D

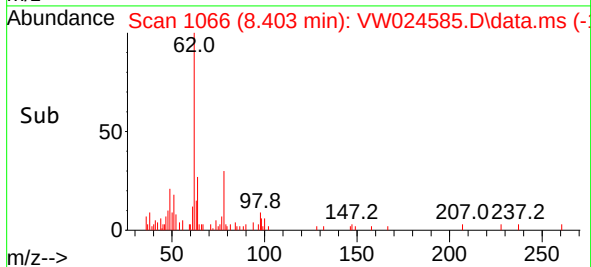
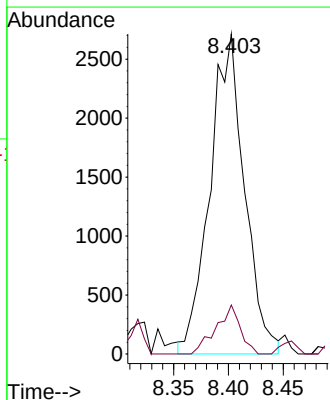
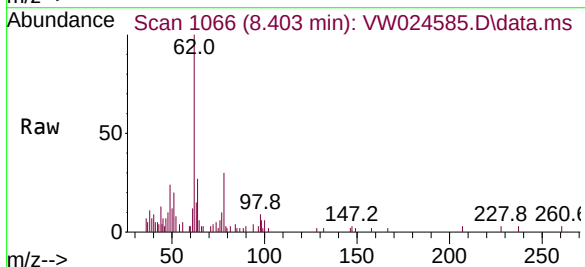
Acq: 08 Sep 2022 12:33

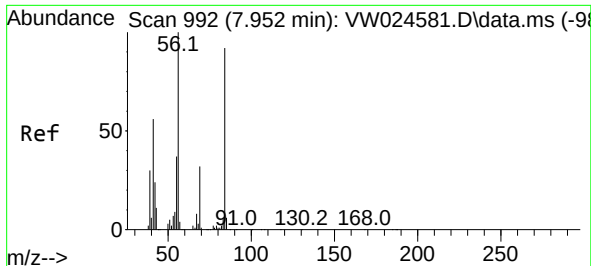
Tgt Ion: 62 Resp: 5935

Ion Ratio Lower Upper

62 100

98 15.3 7.4 11.0#





#29

Cyclohexane

Concen: 1.070 ug/L

RT: 7.945 min Scan# 991

Delta R.T. -0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

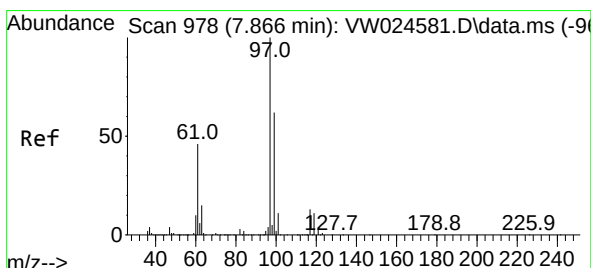
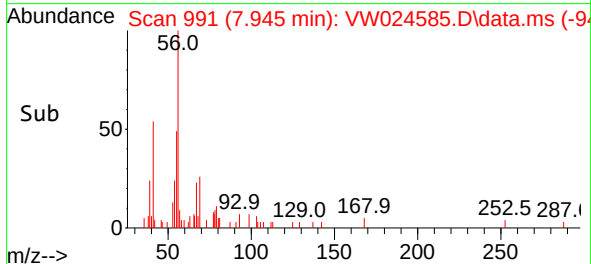
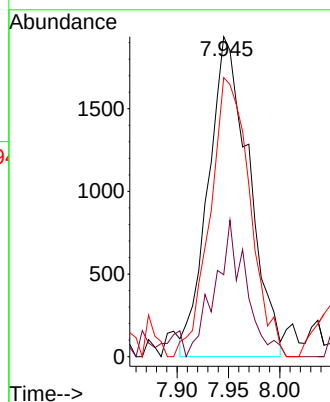
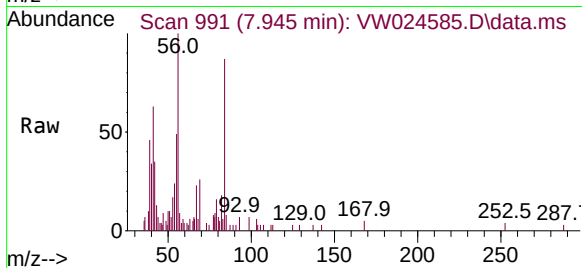
Tgt Ion: 56 Resp: 5341

Ion Ratio Lower Upper

56 100

69 31.4 24.5 36.7

84 85.5 75.7 113.5



#30

1,1,1-Trichloroethane

Concen: 1.077 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

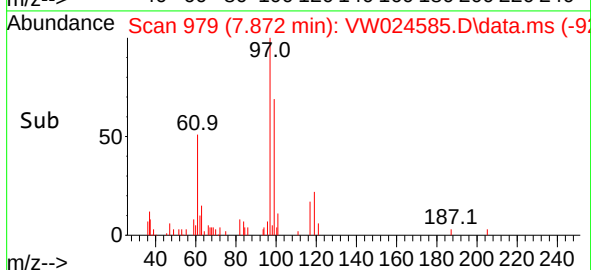
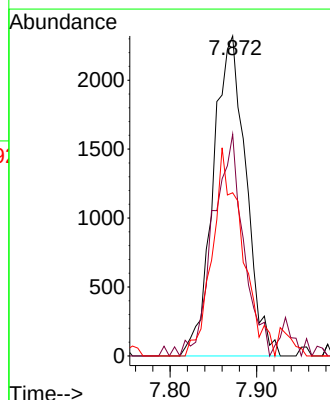
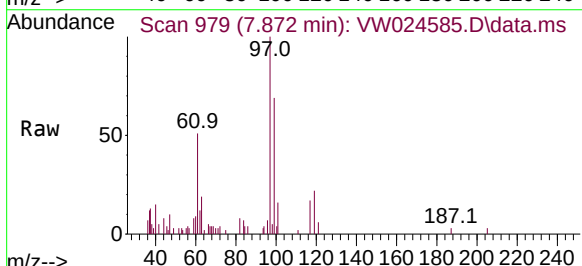
Tgt Ion: 97 Resp: 6091

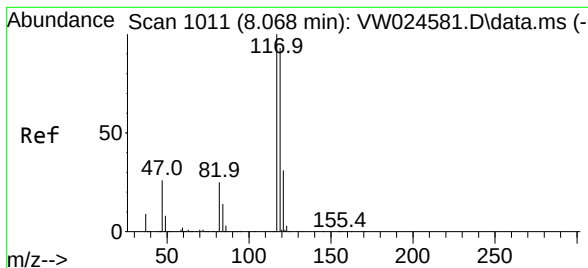
Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

61 32.0 37.2 55.8





#31

Carbon tetrachloride

Concen: 1.088 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

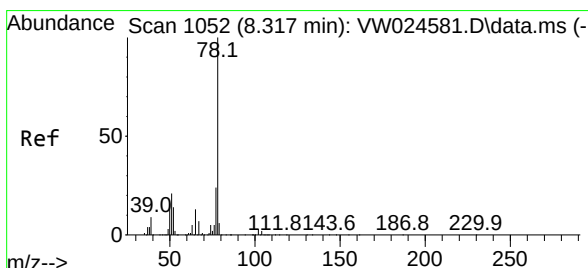
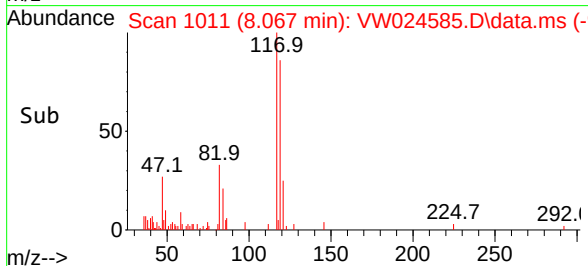
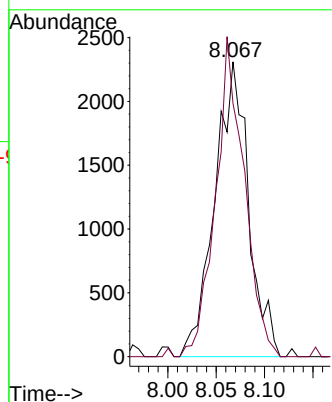
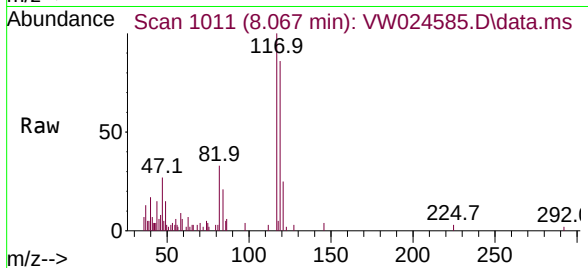
MDL-SOIL-QT3-2022-05

Tgt Ion:117 Resp: 5618

Ion Ratio Lower Upper

117 100

119 91.9 74.4 111.6



#33

Benzene

Concen: 1.154 ug/L

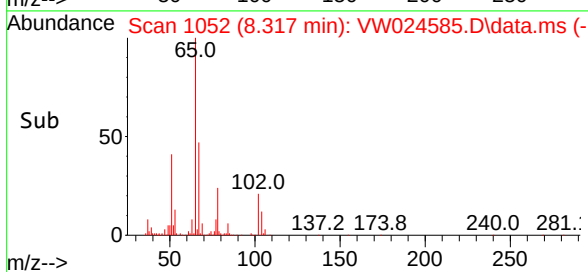
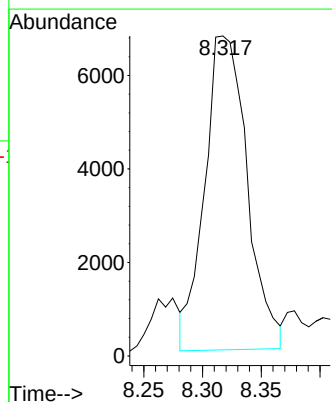
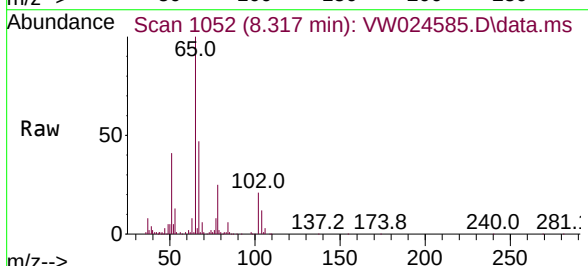
RT: 8.317 min Scan# 1052

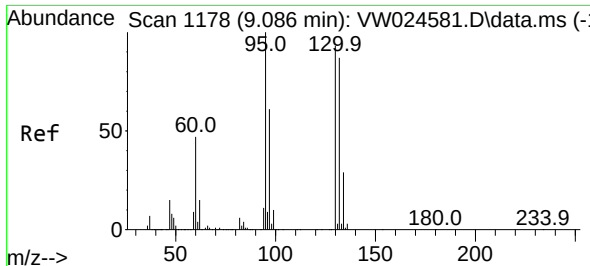
Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Tgt Ion: 78 Resp: 16890





#34

Trichloroethene

Concen: 1.084 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

Tgt Ion: 95 Resp: 4144

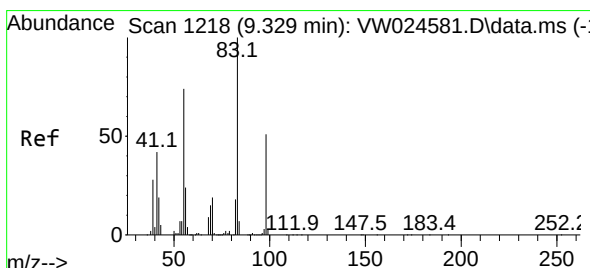
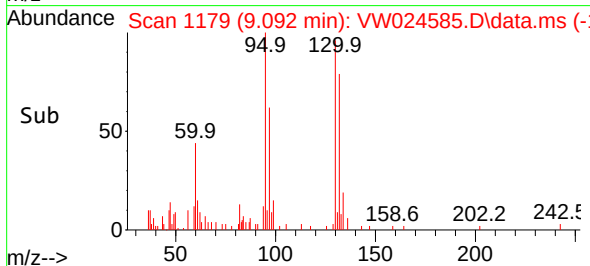
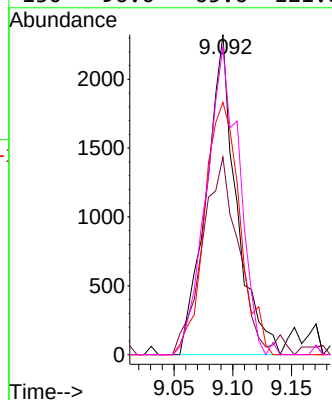
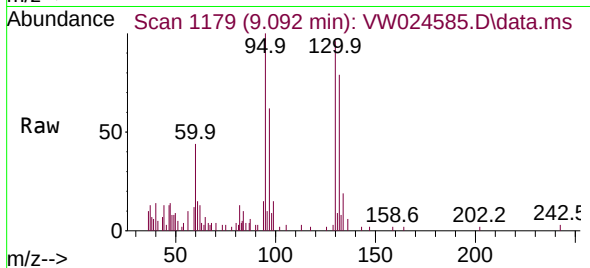
Ion Ratio Lower Upper

95 100

97 61.7 45.9 85.3

132 78.9 62.6 116.2

130 96.0 65.6 121.8



#35

Methylcyclohexane

Concen: 1.002 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

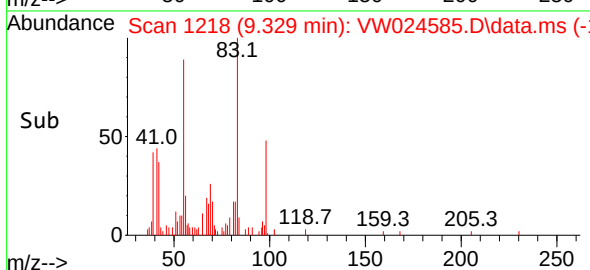
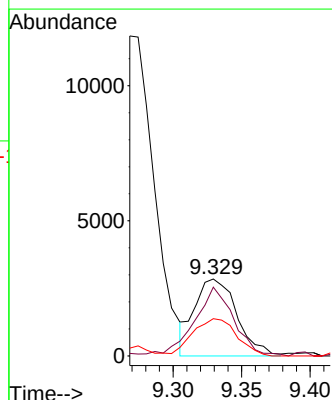
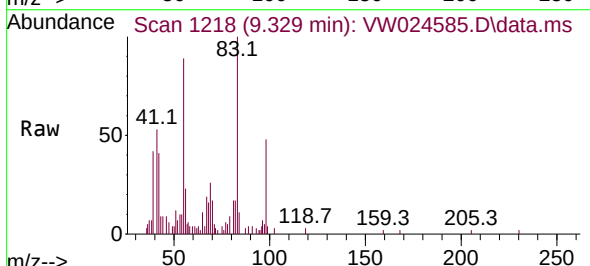
Tgt Ion: 83 Resp: 6124

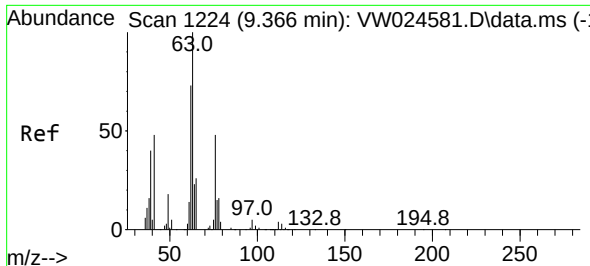
Ion Ratio Lower Upper

83 100

55 81.4 57.3 85.9

98 50.0 40.4 60.6





#37

1,2-Dichloropropane

Concen: 1.114 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

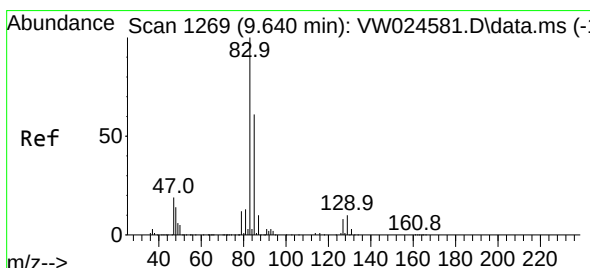
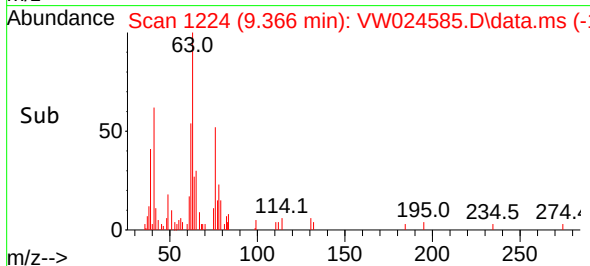
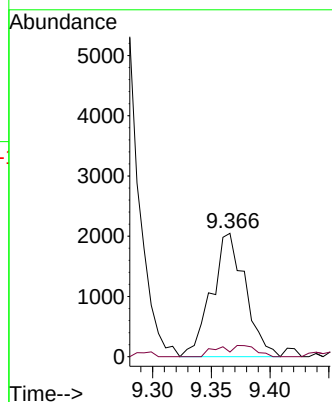
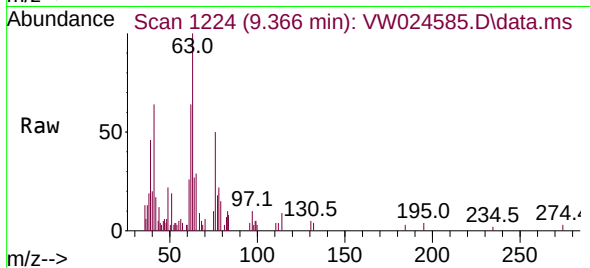
MDL-SOIL-QT3-2022-05

Tgt Ion: 63 Resp: 4073

Ion Ratio Lower Upper

63 100

112 5.9 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.953 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

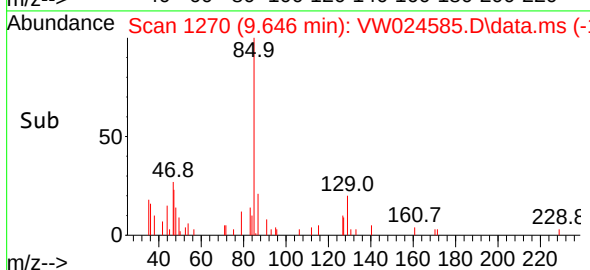
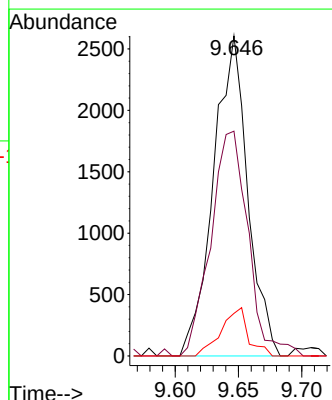
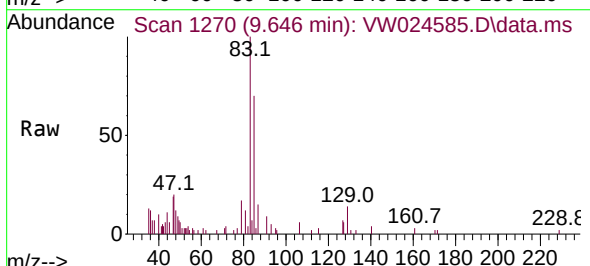
Tgt Ion: 83 Resp: 4925

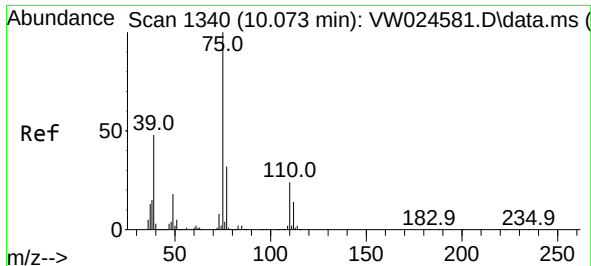
Ion Ratio Lower Upper

83 100

85 70.3 45.1 83.9

127 13.3 7.3 10.9#





#39

cis-1,3-Dichloropropene

Concen: 1.076 ug/L

RT: 10.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

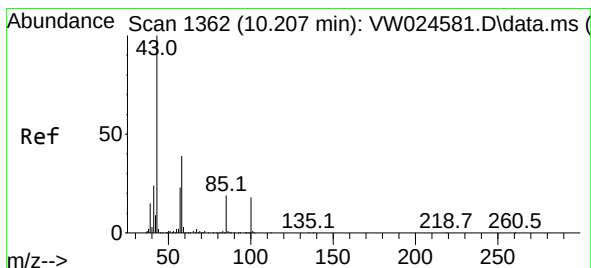
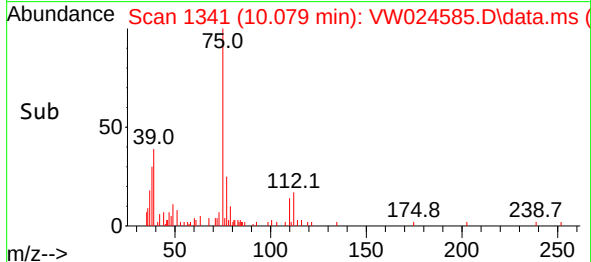
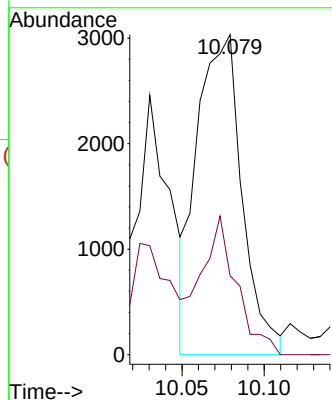
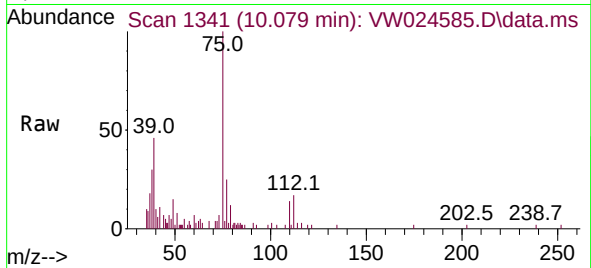
MDL-SOIL-QT3-2022-05

Tgt Ion: 75 Resp: 5751

Ion Ratio Lower Upper

75 100

77 24.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 1.999 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

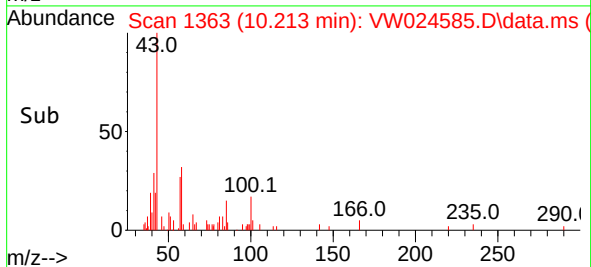
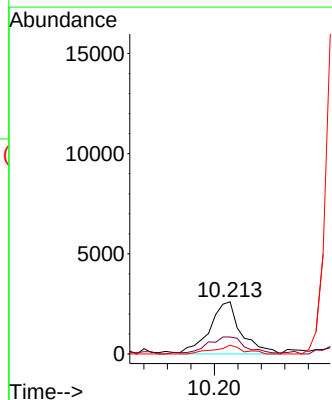
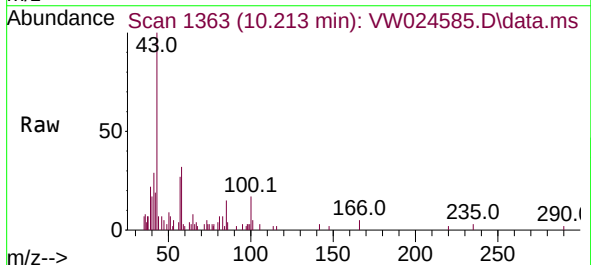
Tgt Ion: 43 Resp: 4819

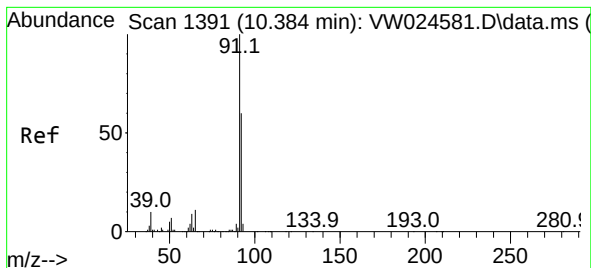
Ion Ratio Lower Upper

43 100

58 39.0 30.9 46.3

100 13.3 13.3 19.9#





#42

Toluene

Concen: 1.122 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

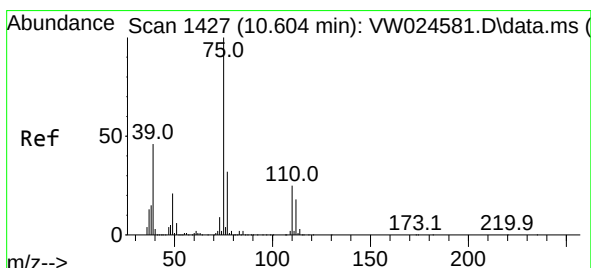
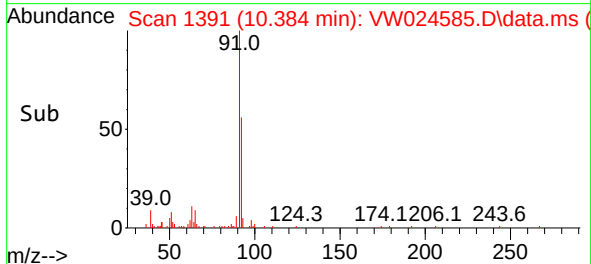
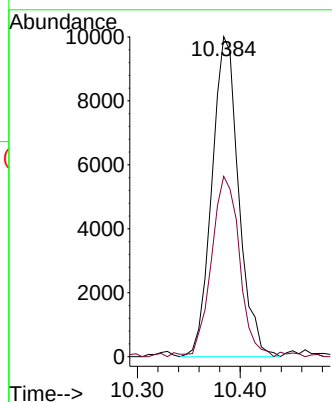
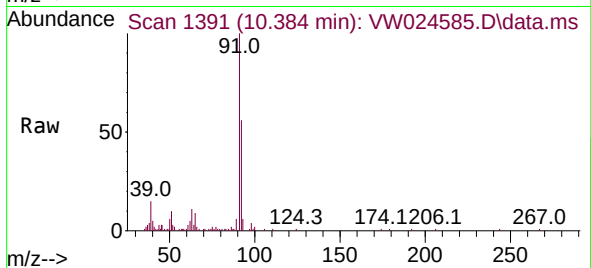
MDL-SOIL-QT3-2022-05

Tgt Ion: 91 Resp: 18095

Ion Ratio Lower Upper

91 100

92 56.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.865 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW024585.D

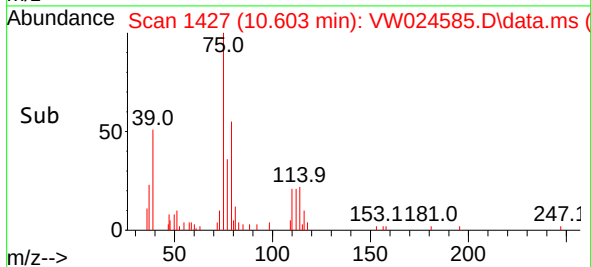
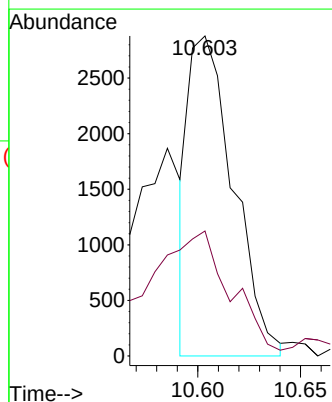
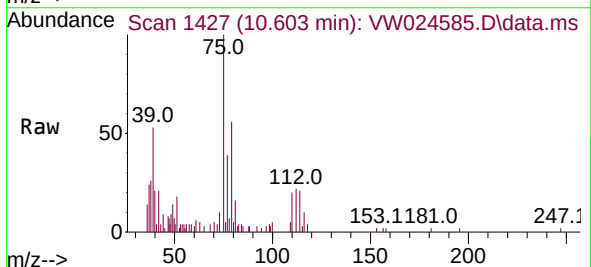
Acq: 08 Sep 2022 12:33

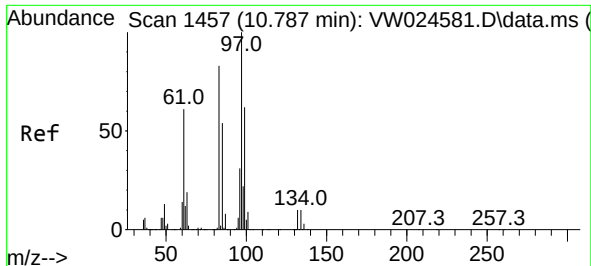
Tgt Ion: 75 Resp: 4364

Ion Ratio Lower Upper

75 100

77 39.0 21.8 40.4

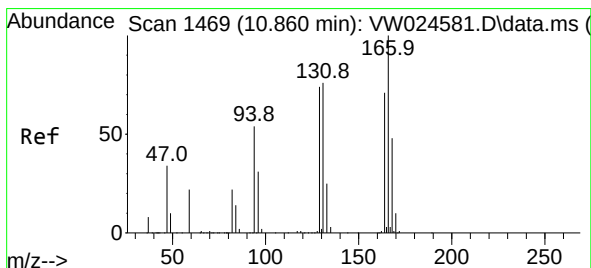
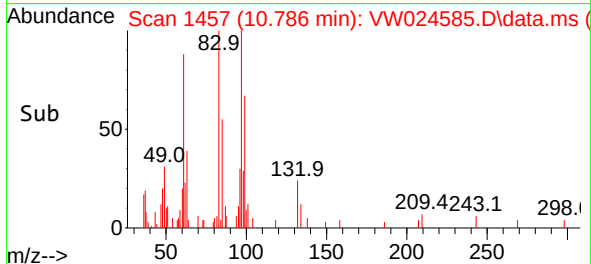
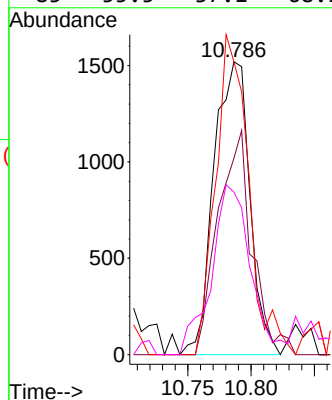
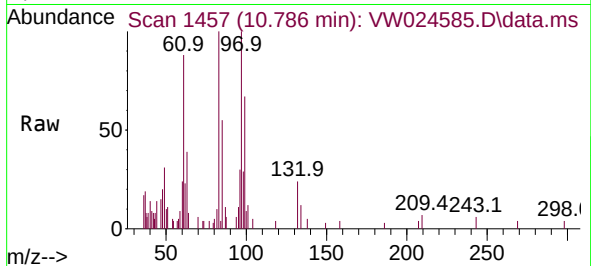




#45
1,1,2-Trichloroethane
Concen: 0.980 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

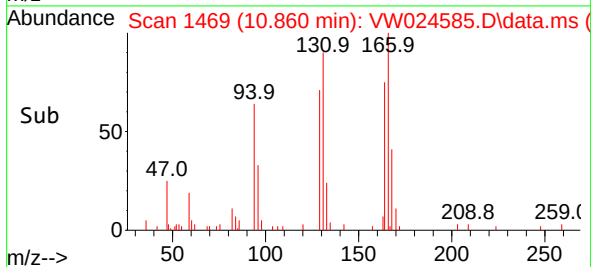
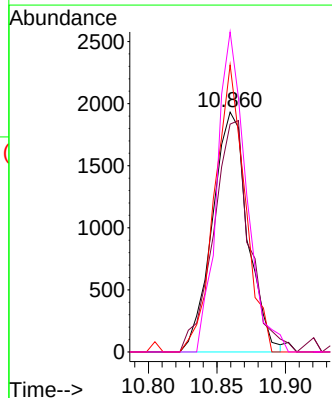
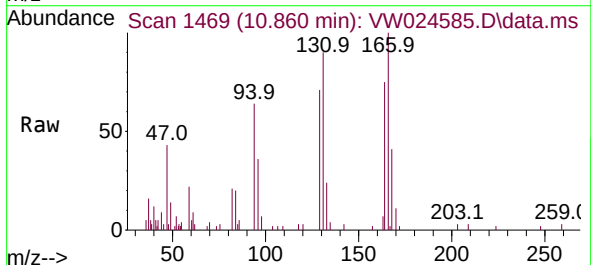
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2022-05

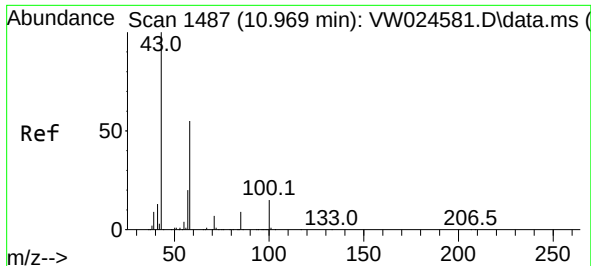
Tgt Ion: 97	Resp: 2993
Ion Ratio	Lower Upper
97 100	
99 67.0	41.9 77.9
83 99.9	58.2 108.0
85 55.5	37.1 68.9



#46
Tetrachloroethene
Concen: 1.231 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

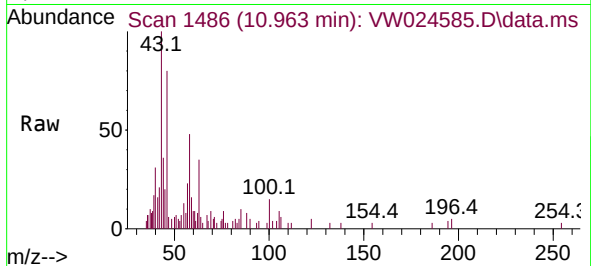
Tgt	Ion:164	Resp:	3467
Ion	Ratio	Lower	Upper
164	100		
129	95.0	75.0	139.2
131	119.6	70.1	130.1
166	133.4	95.1	176.7



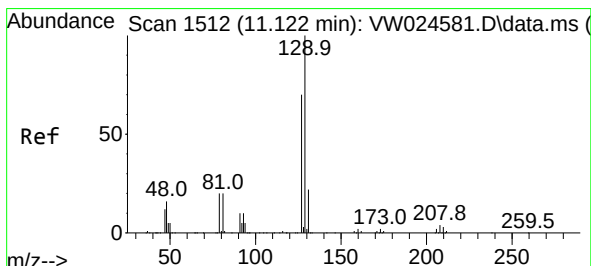
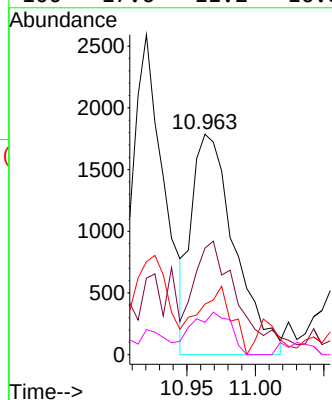
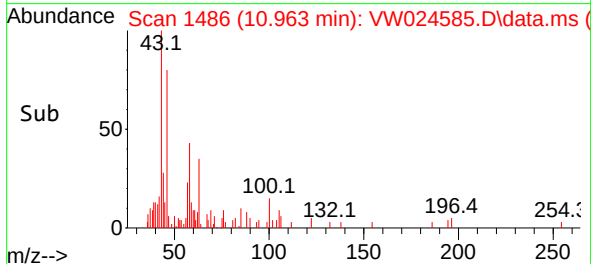


#48
2-Hexanone
Concen: 2.362 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

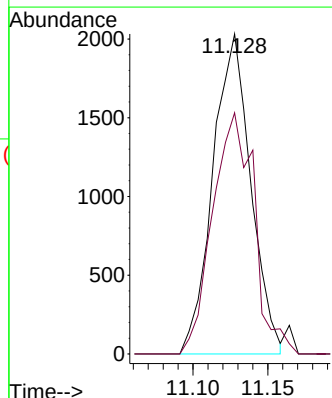
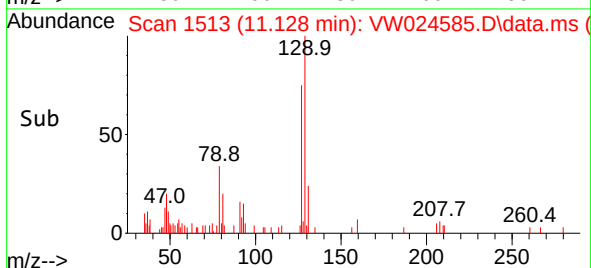
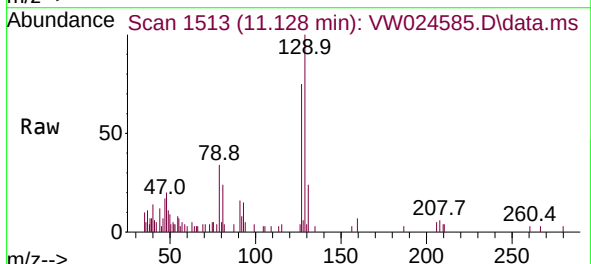


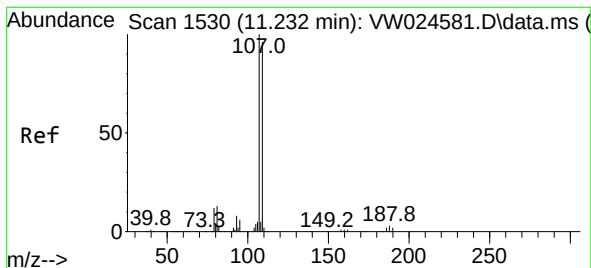
Tgt Ion: 43 Resp: 3905
Ion Ratio Lower Upper
43 100
58 49.6 43.7 65.5
57 24.3 15.3 22.9#
100 17.6 11.2 16.8#



#49
Dibromochloromethane
Concen: 1.002 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 129 Resp: 3577
Ion Ratio Lower Upper
129 100
127 75.3 56.1 104.1





#50

1,2-Dibromoethane

Concen: 1.065 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

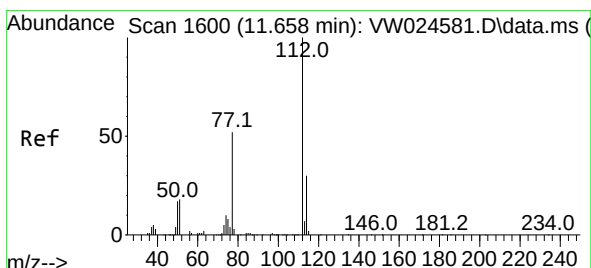
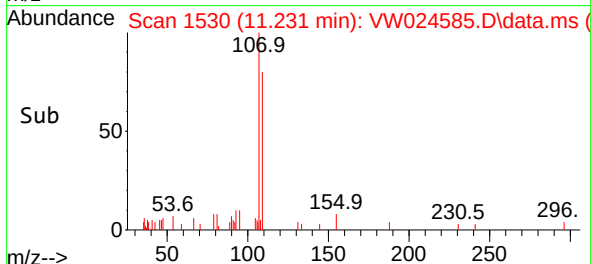
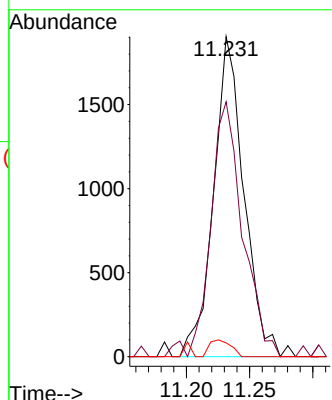
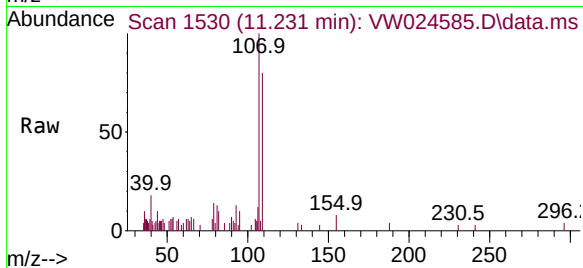
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

Tgt Ion:	107	Resp:	3157
Ion	Ratio	Lower	Upper
107	100		
109	79.7	64.5	119.9
188	4.3	3.0	4.4



#51

Chlorobenzene

Concen: 1.136 ug/L

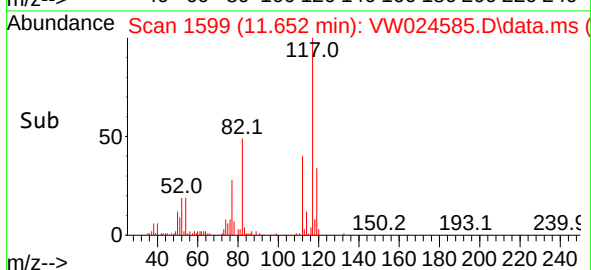
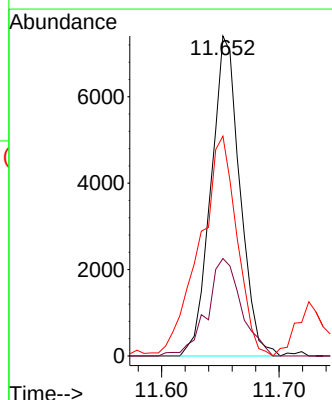
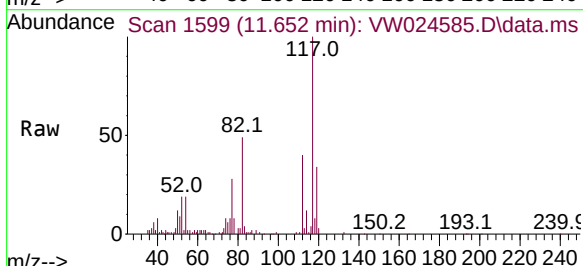
RT: 11.652 min Scan# 1599

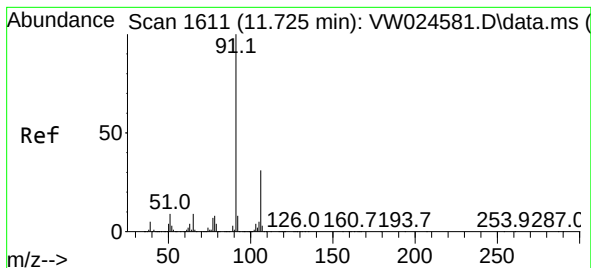
Delta R.T. -0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Tgt Ion:	112	Resp:	12660
Ion	Ratio	Lower	Upper
112	100		
114	30.5	20.0	37.2
77	68.7	42.6	63.8





#52

Ethylbenzene

Concen: 1.017 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

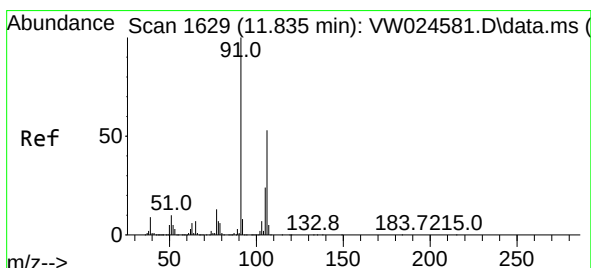
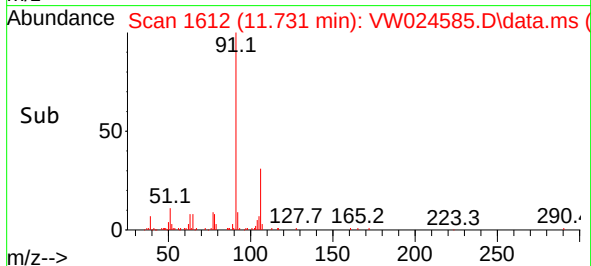
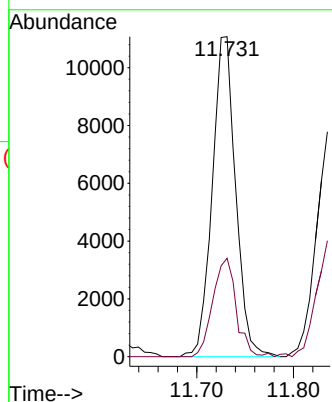
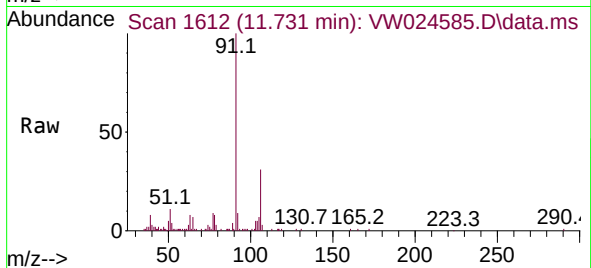
MDL-SOIL-QT3-2022-05

Tgt Ion: 91 Resp: 18621

Ion Ratio Lower Upper

91 100

106 30.8 23.8 44.2



#53

m,p-Xylene

Concen: 0.974 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VW024585.D

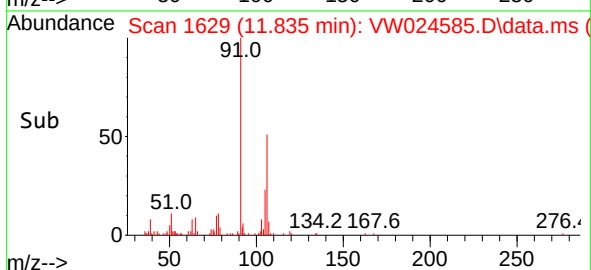
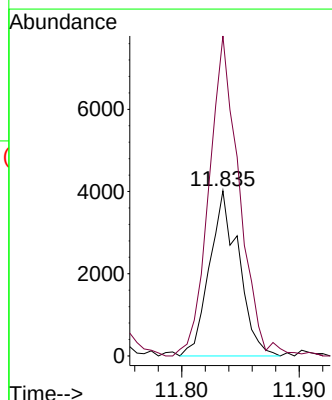
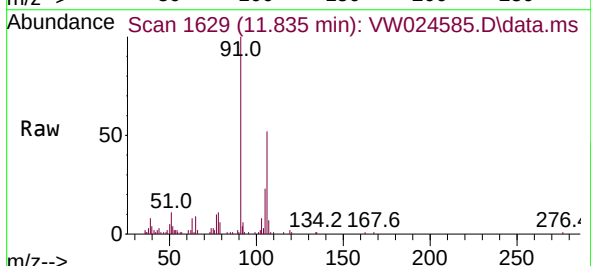
Acq: 08 Sep 2022 12:33

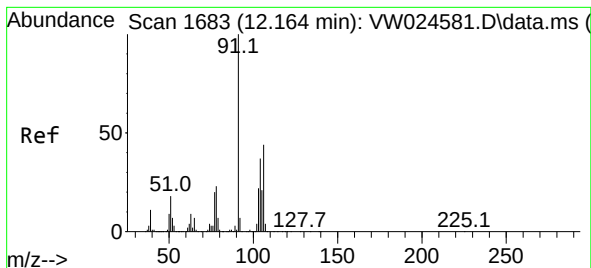
Tgt Ion: 106 Resp: 6967

Ion Ratio Lower Upper

106 100

91 193.8 131.3 243.8





#54

o-Xylene

Concen: 0.914 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

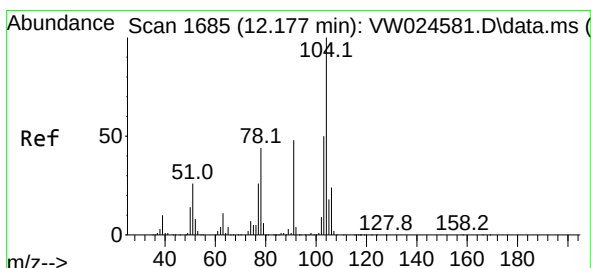
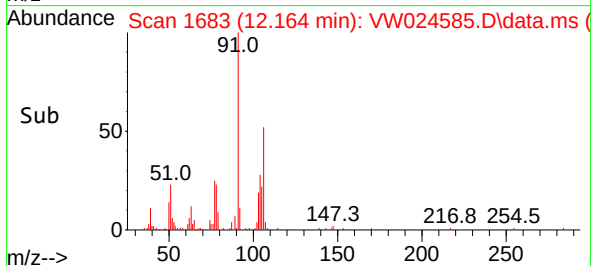
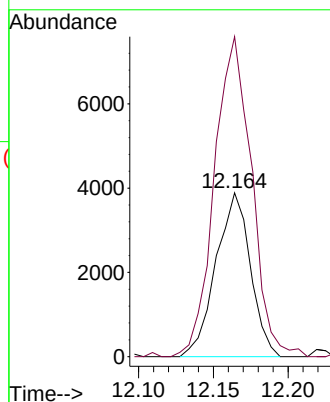
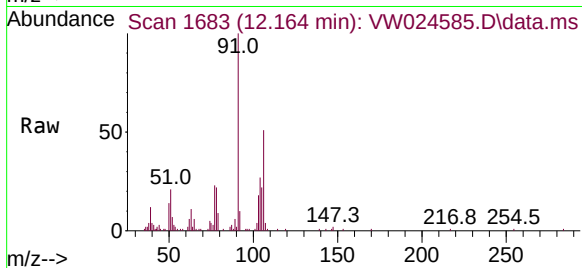
MDL-SOIL-QT3-2022-05

Tgt Ion:106 Resp: 6230

Ion Ratio Lower Upper

106 100

91 195.2 148.7 276.3



#55

Styrene

Concen: 0.768 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW024585.D

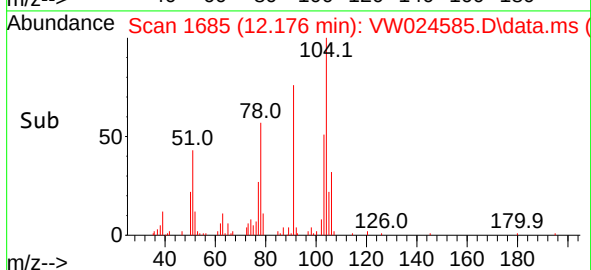
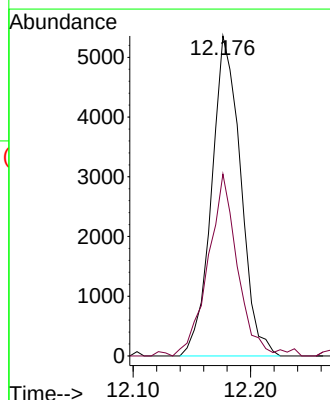
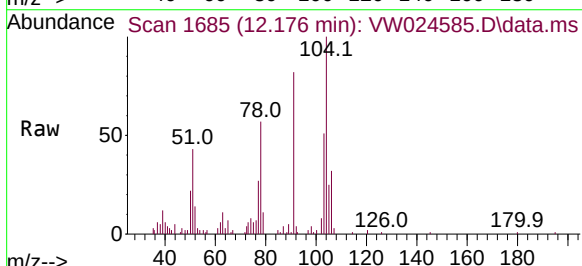
Acq: 08 Sep 2022 12:33

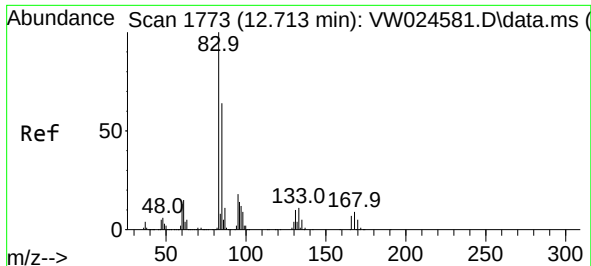
Tgt Ion:104 Resp: 9210

Ion Ratio Lower Upper

104 100

78 56.9 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 1.010 ug/L

RT: 12.707 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

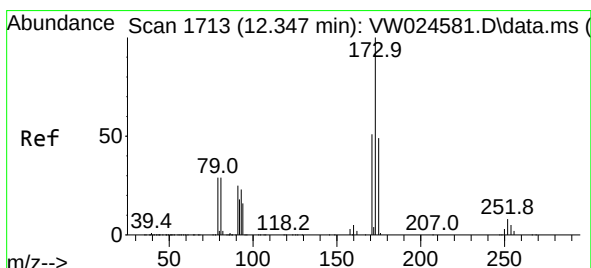
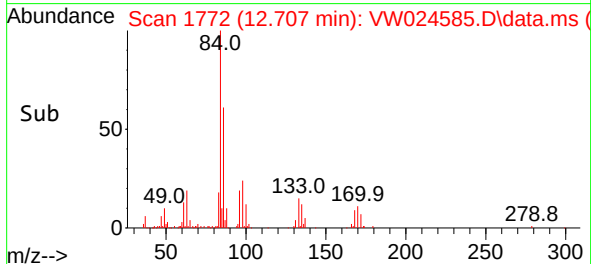
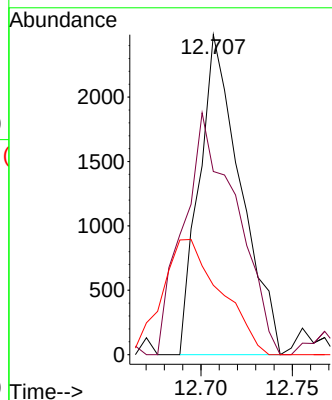
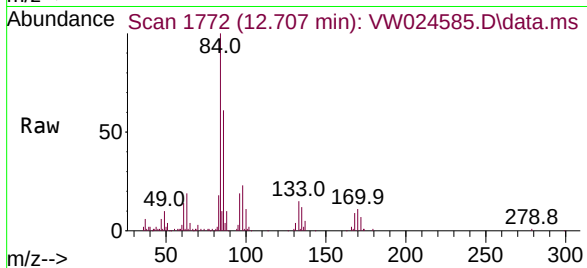
Tgt Ion: 83 Resp: 3907

Ion Ratio Lower Upper

83 100

85 57.2 45.6 84.8

131 21.7 9.0 13.4#



#59

Bromoform

Concen: 1.027 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

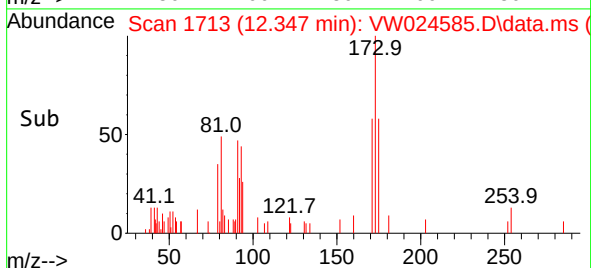
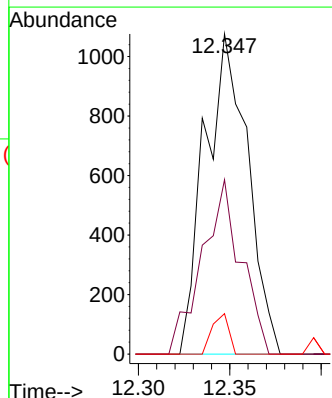
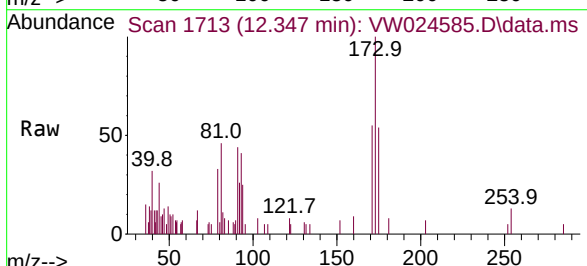
Tgt Ion: 173 Resp: 1759

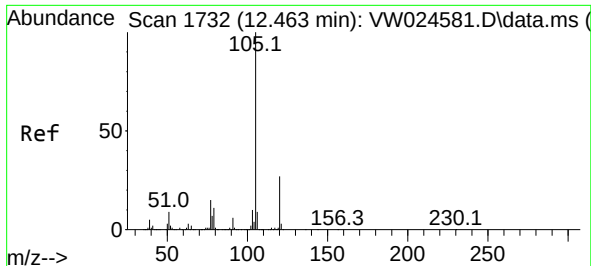
Ion Ratio Lower Upper

173 100

175 49.5 40.5 60.7

254 4.9 6.4 9.6#

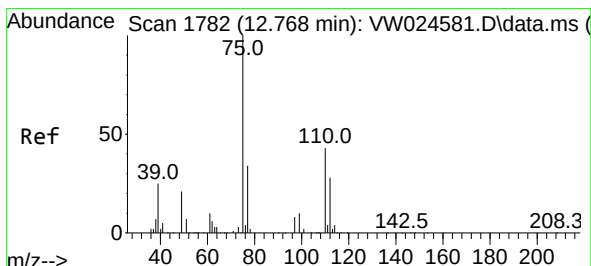
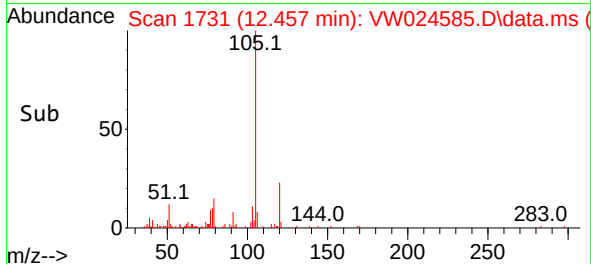
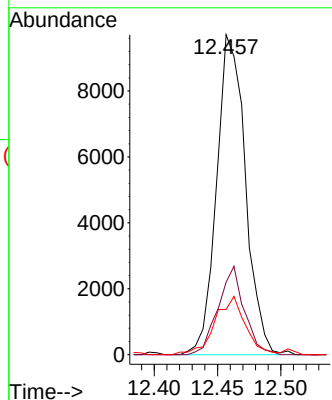
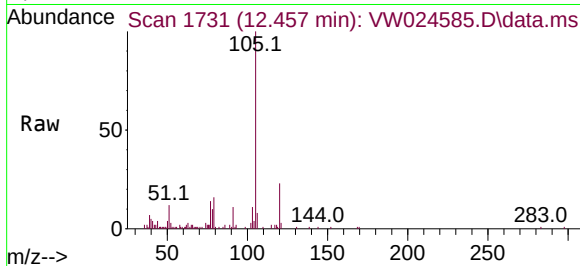




#60
Isopropylbenzene
Concen: 0.962 ug/L
RT: 12.457 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

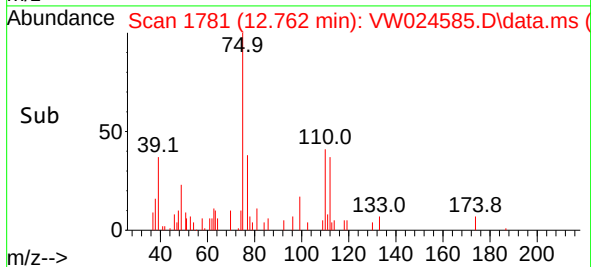
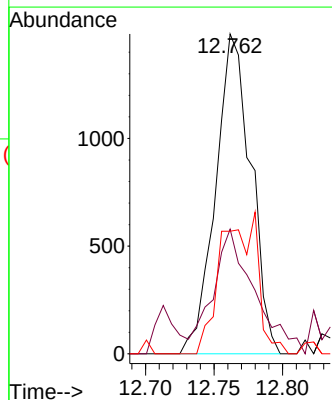
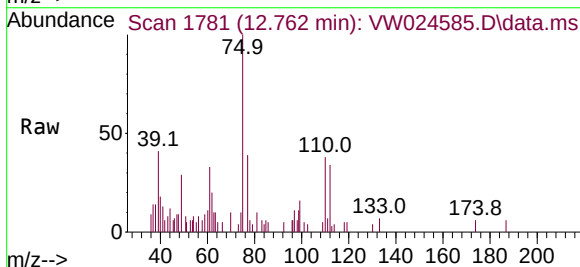
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

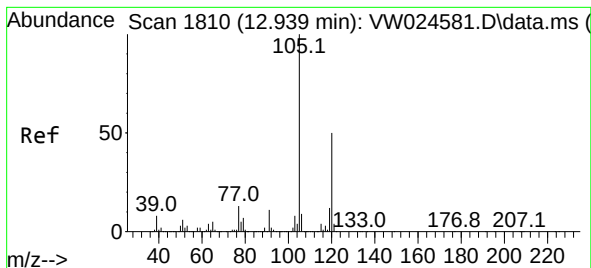
Tgt Ion:105 Resp: 15357
Ion Ratio Lower Upper
105 100
120 25.1 20.9 31.3
77 19.3 12.6 19.0#



#61
1,2,3-Trichloropropane
Concen: 1.093 ug/L
RT: 12.762 min Scan# 1781
Delta R.T. -0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion: 75 Resp: 2665
Ion Ratio Lower Upper
75 100
77 45.7 26.8 40.2#
110 34.0 33.8 50.8





#62

1,3,5-Trimethylbenzene

Concen: 0.906 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

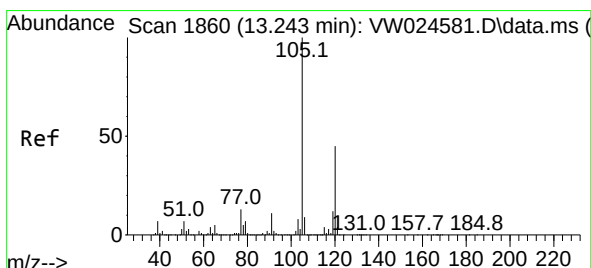
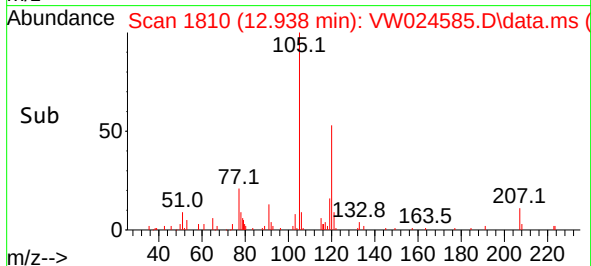
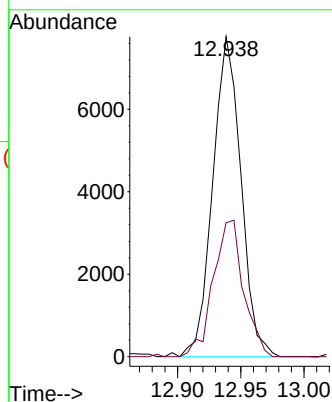
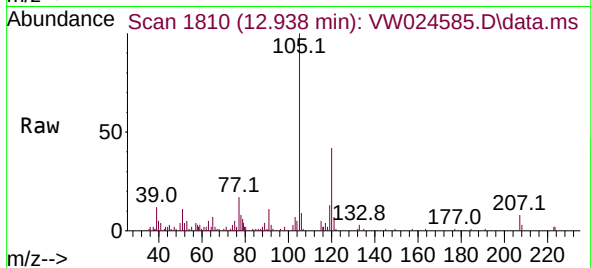
MDL-SOIL-QT3-2022-05

Tgt Ion:105 Resp: 12009

Ion Ratio Lower Upper

105 100

120 46.0 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 0.831 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.006 min

Lab File: VW024585.D

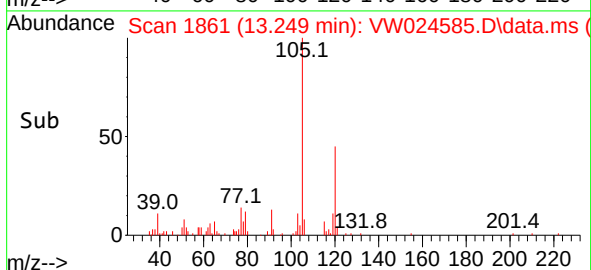
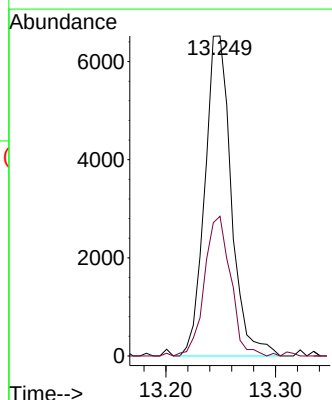
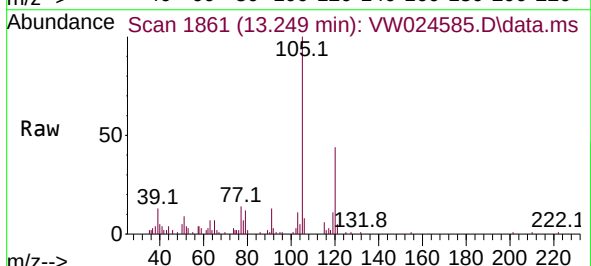
Acq: 08 Sep 2022 12:33

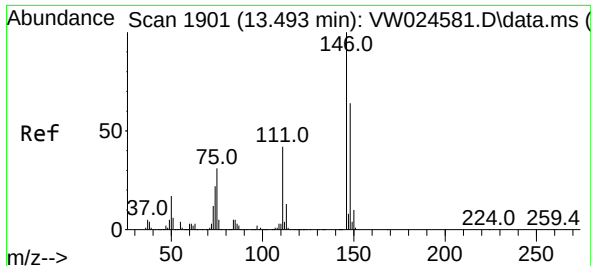
Tgt Ion:105 Resp: 10959

Ion Ratio Lower Upper

105 100

120 42.9 36.7 55.1

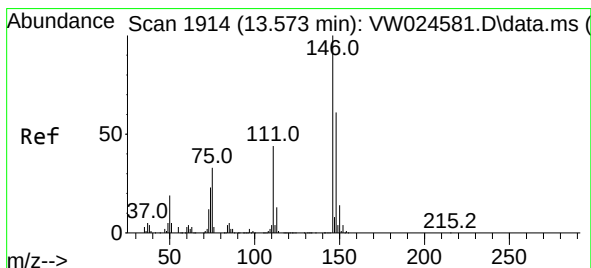
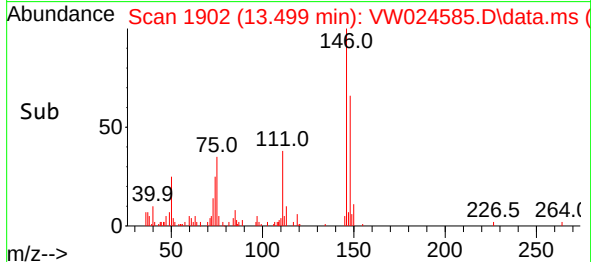
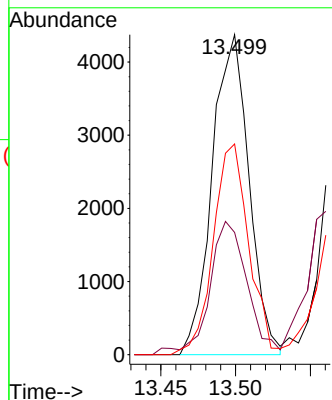
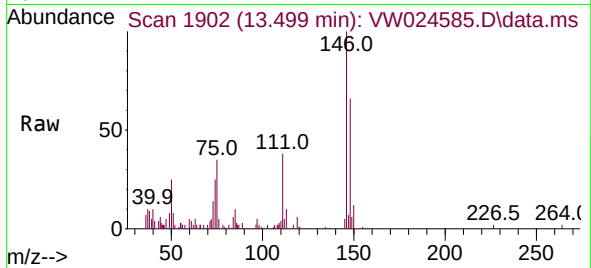




#64
1,3-Dichlorobenzene
Concen: 1.040 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

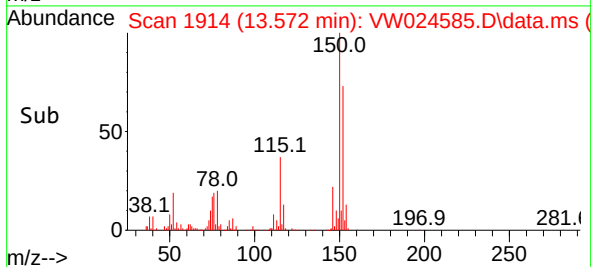
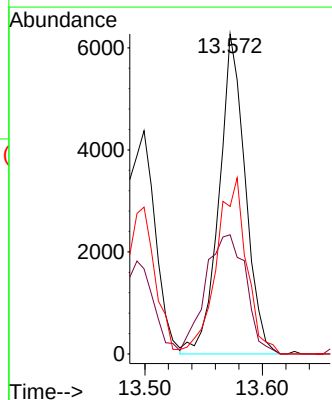
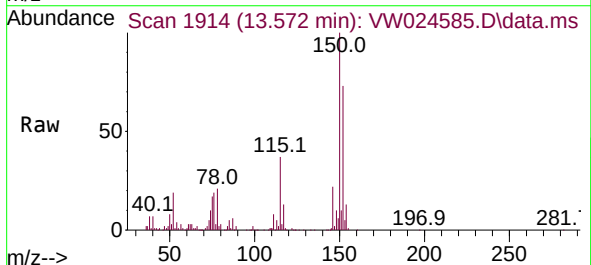
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-05

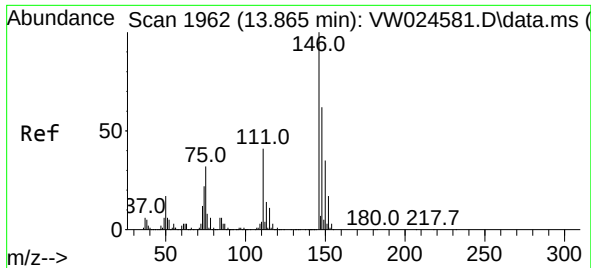
Tgt Ion:	146	Resp:	7475
Ion	Ratio	Lower	Upper
146	100		
111	38.2	28.3	52.5
148	65.8	42.2	78.4



#65
1,4-Dichlorobenzene
Concen: 1.281 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW024585.D
Acq: 08 Sep 2022 12:33

Tgt Ion:	146	Resp:	9711
Ion	Ratio	Lower	Upper
146	100		
111	37.2	29.3	54.3
148	46.1	45.9	85.3





#67

1,2-Dichlorobenzene

Concen: 1.238 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

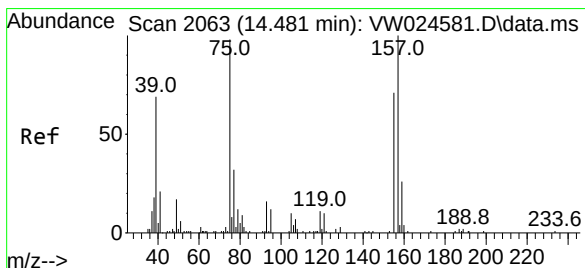
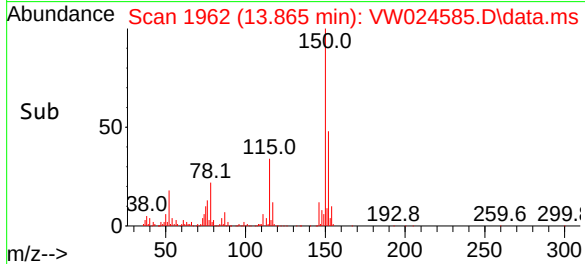
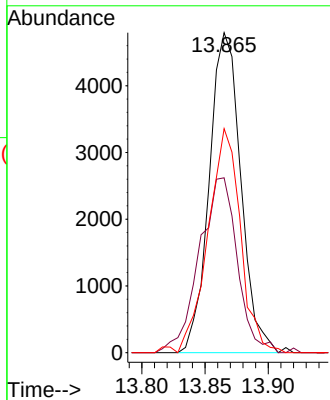
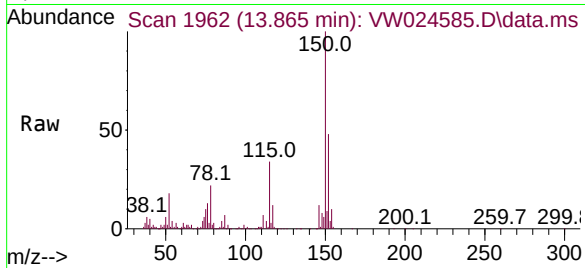
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

Tgt Ion:	146	Resp:	8303
Ion	Ratio	Lower	Upper
146	100		
111	54.6	32.2	48.4#
148	70.0	48.3	72.5



#68

1,2-Dibromo-3-chloropropane

Concen: 2.962 ug/L

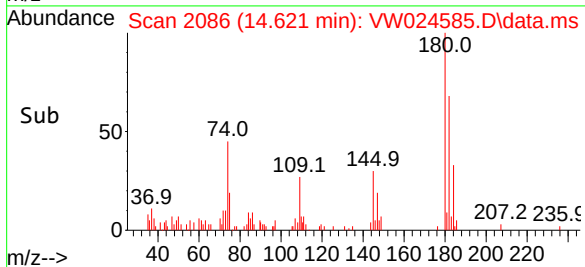
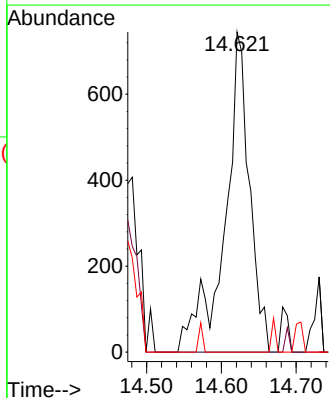
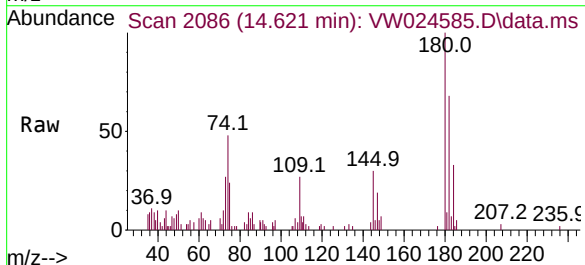
RT: 14.621 min Scan# 2086

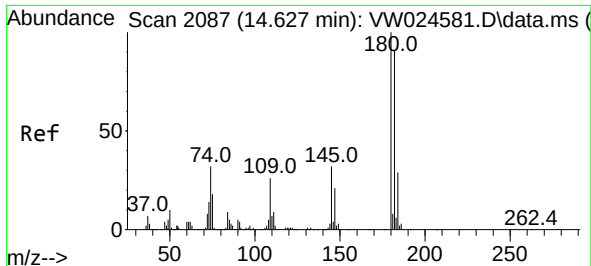
Delta R.T. 0.140 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Tgt Ion:	75	Resp:	1709
Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.3	99.5#
157	0.0	77.6	116.4#





#69

1,3,5-Trichlorobenzene

Concen: 0.718 ug/L

RT: 15.548 min Scan# 21

Delta R.T. 0.920 min

Lab File: VW024585.D

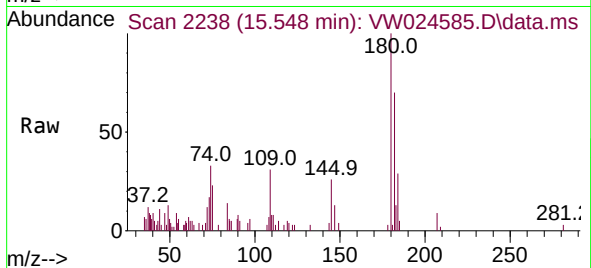
Acq: 08 Sep 2022 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05



Tgt Ion:180 Resp: 3355

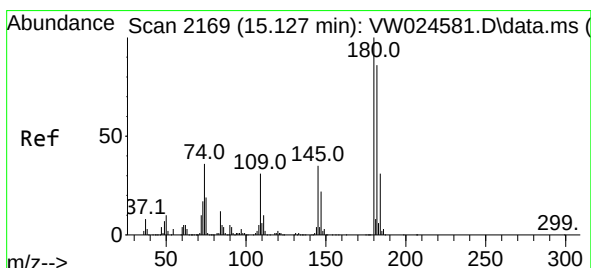
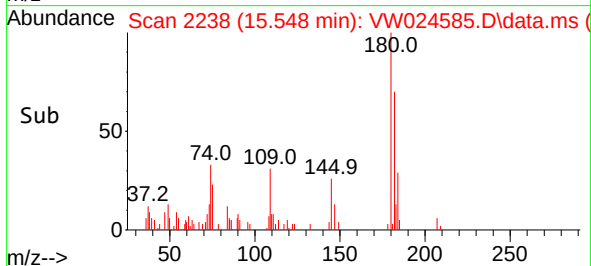
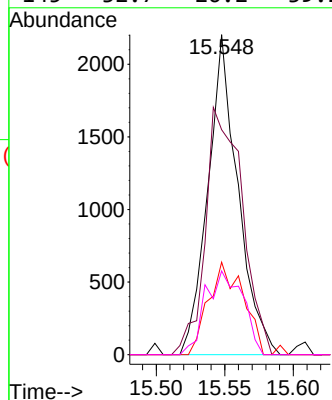
Ion Ratio Lower Upper

180 100

182 95.0 72.4 108.6

184 33.4 22.8 34.2

145 32.7 26.2 39.2



#70

1,2,4-trichlorobenzene

Concen: 0.926 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

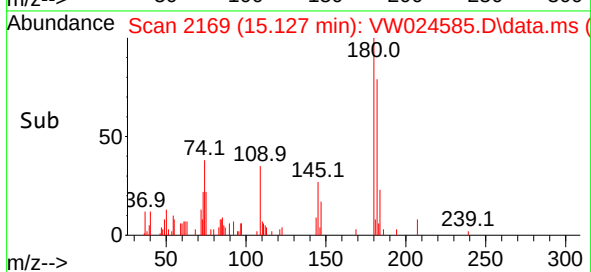
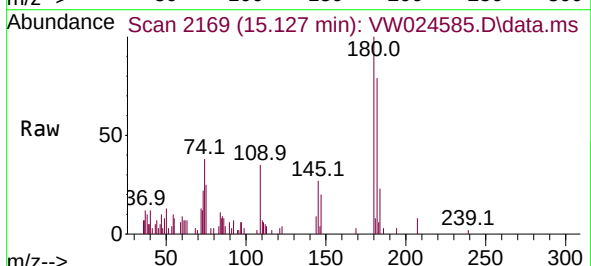
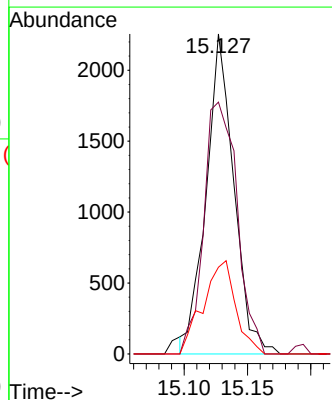
Tgt Ion:180 Resp: 3432

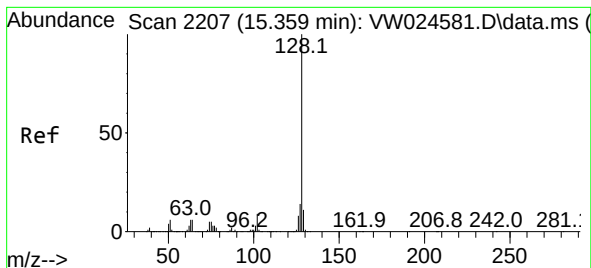
Ion Ratio Lower Upper

180 100

182 94.9 73.8 110.6

145 34.2 26.6 39.8





#71

Naphthalene

Concen: 0.741 ug/L

RT: 15.365 min Scan# 2207

Delta R.T. 0.006 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

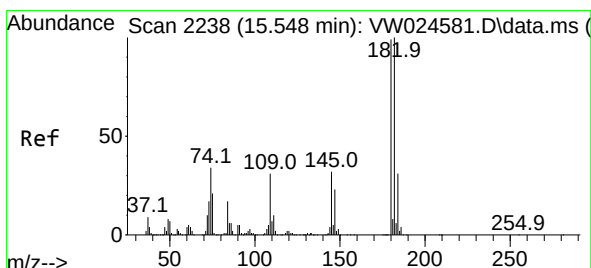
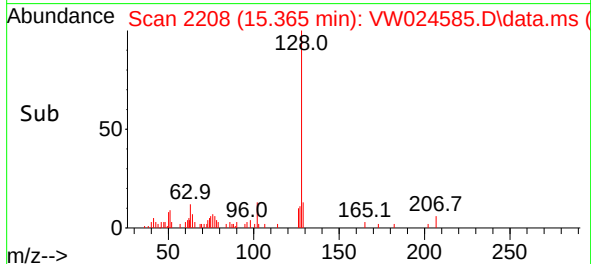
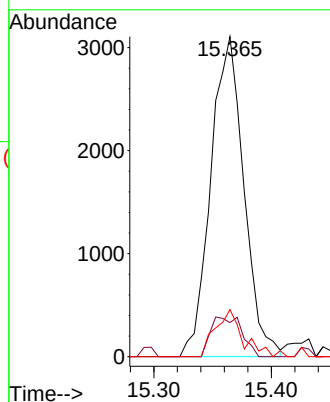
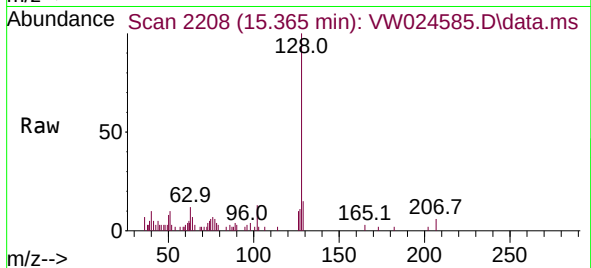
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-05

Tgt Ion:128	Resp:	6074
Ion Ratio	Lower	Upper
128	100	
127	7.7	10.7 16.1#
129	10.1	8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 0.973 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW024585.D

Acq: 08 Sep 2022 12:33

Tgt Ion:180	Resp:	3355
Ion Ratio	Lower	Upper
180	100	
182	95.0	78.7 118.1
145	32.7	28.1 42.1

