

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090822\
 Data File : VW024586.D
 Acq On : 08 Sep 2022 12:58
 Operator : SY/VA
 Sample : N4015-04 MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2022-06

Quant Time: Sep 08 22:37:09 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	235186	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	244378	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	112133	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	131242	27.029	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 108.120%	
7) Chloroethane-d5	2.873	69	96068	26.608	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.440%	
11) 1,1-Dichloroethene-d2	4.007	63	91866	17.932	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 71.720%	
21) 2-Butanone-d5	7.074	46	36639	46.774	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 93.540%	
24) Chloroform-d	7.647	84	144691	24.156	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 96.640%	
26) 1,2-Dichloroethane-d4	8.305	65	88793	26.292	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 105.160%	
32) Benzene-d6	8.275	84	285752	23.771	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 95.080%	
36) 1,2-Dichloropropane-d6	9.269	67	79700	22.487	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 89.960%	
41) Toluene-d8	10.323	98	272341	23.240	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 92.960%	
43) trans-1,3-Dichloroprop...	10.579	79	34584	21.774	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 87.080%	
47) 2-Hexanone-d5	10.927	63	30929	47.476	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 94.960%	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	74428	21.910	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 87.640%	
66) 1,2-Dichlorobenzene-d4	13.853	152	86458	24.343	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 97.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.002	85	1124m	0.998	ug/L	
5) Vinyl chloride	2.349	62	8668m	1.468	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	4461m	1.418	ug/L	
12) 1,1-Dichloroethene	4.032	96	3828	1.424	ug/L #	1
13) Acetone	4.123	43	2572m	3.859	ug/L	
14) Carbon disulfide	4.373	76	8031	1.129	ug/L #	82
15) Methyl Acetate	4.672	43	1979m	1.405	ug/L	
17) trans-1,2-Dichloroethene	5.428	96	3737m	1.213	ug/L	
18) Methyl tert-butyl Ether	5.428	73	6119m	1.116	ug/L	
19) 1,1-Dichloroethane	6.214	63	6824	1.218	ug/L #	94
20) cis-1,2-Dichloroethene	7.159	96	4538m	1.313	ug/L	
22) 2-Butanone	7.171	43	3984m	3.696	ug/L	
23) Bromochloromethane	7.513	128	1996m	1.262	ug/L	
25) Chloroform	7.677	83	7748	1.245	ug/L	100
27) 1,2-Dichloroethane	8.397	62	5487	1.311	ug/L #	86
29) Cyclohexane	7.958	56	4655	0.984	ug/L #	91
30) 1,1,1-Trichloroethane	7.866	97	5624	1.049	ug/L	92
31) Carbon tetrachloride	8.074	117	5025	1.027	ug/L	89
33) Benzene	8.317	78	17459m	1.259	ug/L	

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Trichloroethene	9.086	95	4090	1.129	ug/L	93
35) Methylcyclohexane	9.336	83	5697	0.983	ug/L	96
37) 1,2-Dichloropropane	9.366	63	4028	1.163	ug/L	99
38) Bromodichloromethane	9.640	83	5072	1.036	ug/L #	92
39) cis-1,3-Dichloropropene	10.067	75	5059	0.999	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	4799m	2.100	ug/L	
42) Toluene	10.390	91	17311	1.132	ug/L	94
45) 1,1,2-Trichloroethane	10.787	97	2949	1.019	ug/L #	87
46) Tetrachloroethene	10.860	164	3184	1.193	ug/L	83
48) 2-Hexanone	10.969	43	3930m	2.508	ug/L	
49) Dibromochloromethane	11.128	129	3679	1.087	ug/L	73
50) 1,2-Dibromoethane	11.232	107	3036	1.080	ug/L	86
51) Chlorobenzene	11.658	112	11810	1.118	ug/L	98
52) Ethylbenzene	11.731	91	16280	0.938	ug/L	87
53) m,p-Xylene	11.835	106	5841	0.861	ug/L	95
54) o-Xylene	12.158	106	5761	0.892	ug/L	100
55) Styrene	12.177	104	9170	0.807	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	4342	1.185	ug/L	83
59) Bromoform	12.347	173	1724	1.058	ug/L #	92
60) Isopropylbenzene	12.463	105	13629	0.898	ug/L	97
61) 1,2,3-Trichloropropane	12.774	75	2987m	1.288	ug/L	
62) 1,3,5-Trimethylbenzene	12.939	105	10567	0.838	ug/L	97
63) 1,2,4-Trimethylbenzene	13.243	105	9741	0.776	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	6601	0.965	ug/L	86
65) 1,4-Dichlorobenzene	13.579	146	7870	1.091	ug/L	90
67) 1,2-Dichlorobenzene	13.865	146	7745	1.214	ug/L #	80
68) 1,2-Dibromo-3-chloropr...	14.481	75	871m	1.587	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	4069	0.916	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	3218	0.913	ug/L #	90
71) Naphthalene	15.359	128	5731	0.735	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.548	180	2893	0.882	ug/L	96

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

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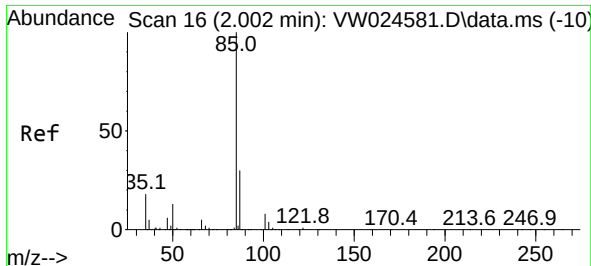
TIC: VW024586.D\data.ms

Abundance

Time-->

Peak Labels (from left to right):

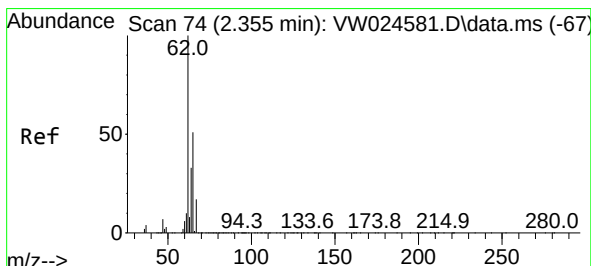
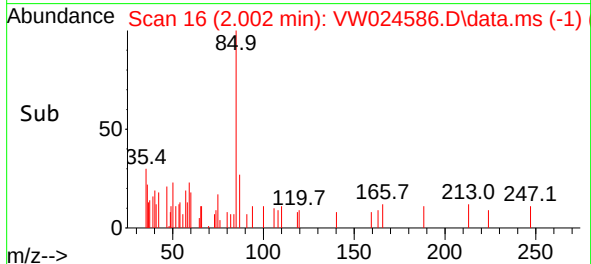
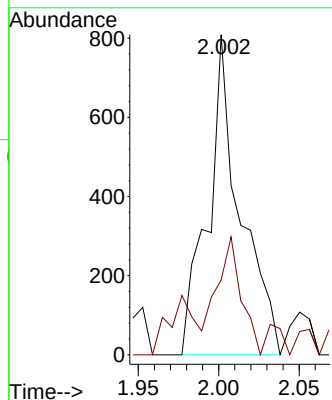
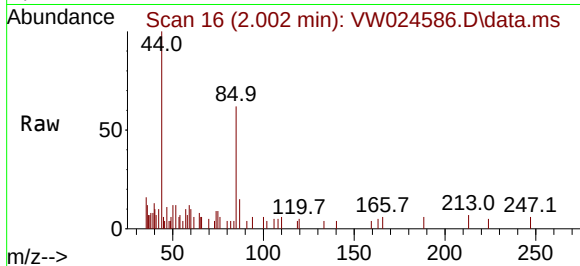
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- Vinyl Chloride-d3, S
- Chloroethane-d5, S
- Acetone, T
- 2-Trichloroethanol, T
- Carbon disulfide, T
- Methyl Acetate, T
- Methyl 2-Dimethylcarbamate, T
- 1,1-Dichloroethane, T
- 2-Bromoethanol, T
- 2-Bromoethane-d5, S
- Bromochloromethane, T
- Chloroform, T
- 1,1,1-Trichloroethane, T
- Carbon tetrachloride, T
- 1,2-Dichloroethane, T
- Benzene, T
- 1,2-Dichloroethane-d4, S
- Benzene-d6, S
- 1,4-Difluorobenzene, I
- Trichloroethene, T
- 1,2-Dichloropropane, T
- 1,2-Dichloropropane-d6, S
- Bromodichloromethane, T
- dis-1,3-Dichloropropene, T
- 4-Methyl-2-pentanone, I
- Toluene, T
- trans-1,3-Dichloropropene-d4, S
- 1,1,2-Trichloroethane, T
- 2-Hexanone-d5, S
- Dibromochloromethane, T
- 1,2-Dibromobenzene, I
- Ethylbenzene, T
- m,p-Xylene, I
- o-Xylene, T
- Bromoform, T
- Isopropylbenzene
- 1,2,3-Trichloropropane, T
- 1,3,5-Trimethylbenzene
- 1,2,4-Trimethylbenzene
- 1,3-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- 1,2-Dichlorobenzene-d4, I
- 1,2-Dichlorobenzene-d4, S
- 1,2-Dibromo-3-chloropropane, T
- 1,3,5-Trichlorobenzene
- 1,2,4-trichlorobenzene, T
- Naphthalene
- 1,2,3-Trichlorobenzene, T



#2
 Dichlorodifluoromethane
 Concen: 0.998 ug/L m
 RT: 2.002 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

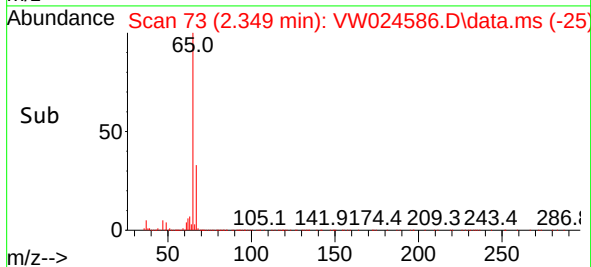
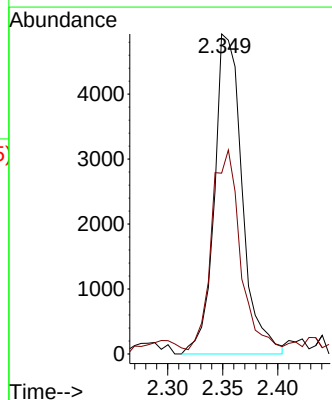
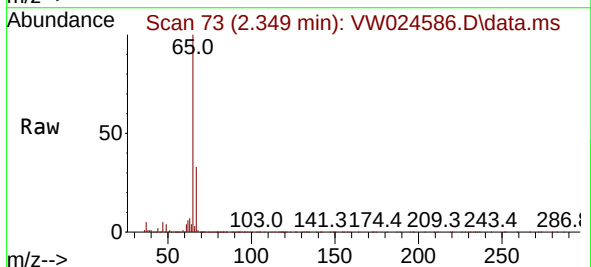
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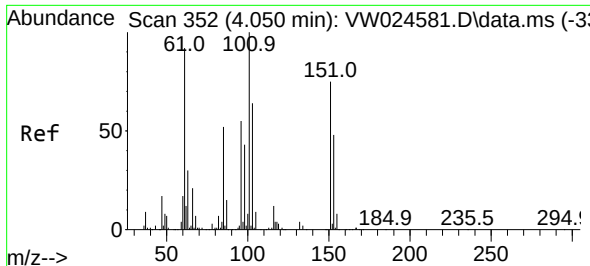
Tgt Ion: 85 Resp: 1124
 Ion Ratio Lower Upper
 85 100
 87 28.1 24.2 36.2



#5
 Vinyl chloride
 Concen: 1.468 ug/L m
 RT: 2.349 min Scan# 73
 Delta R.T. -0.006 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

Tgt Ion: 62 Resp: 8668
 Ion Ratio Lower Upper
 62 100
 64 56.5 23.3 43.3#

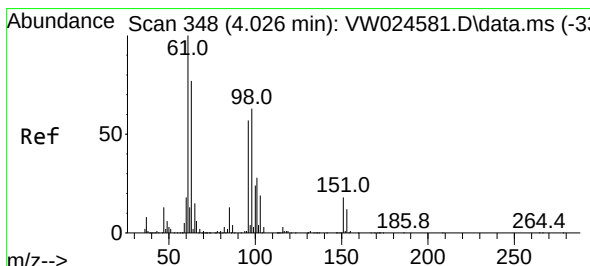
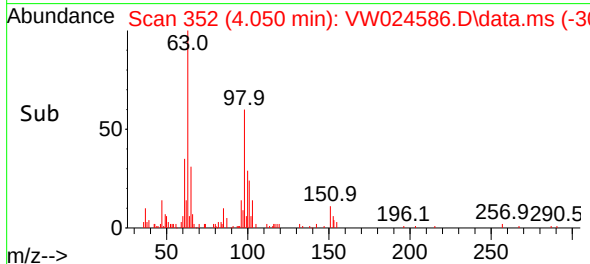
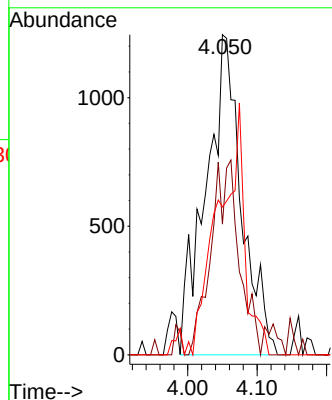
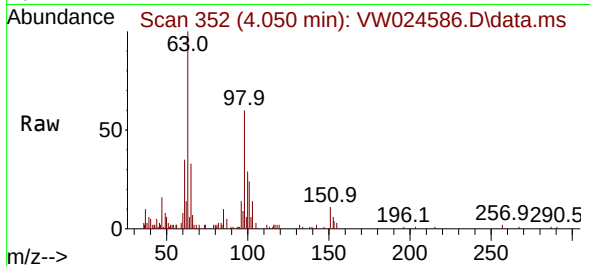




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.418 ug/L m
 RT: 4.050 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

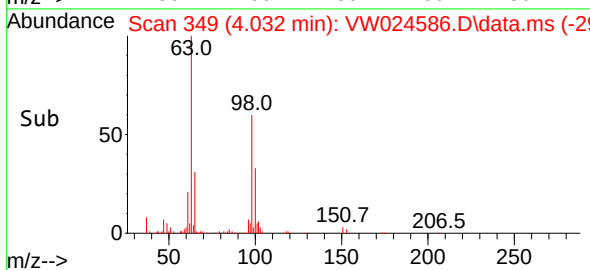
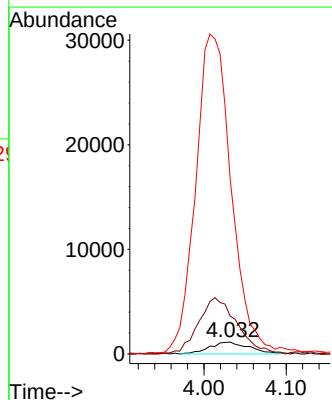
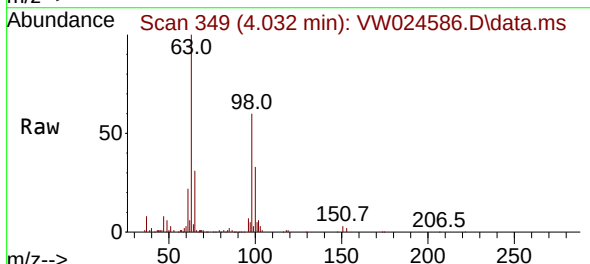
Instrument :
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 MDL-SOIL-QT3-2022-06

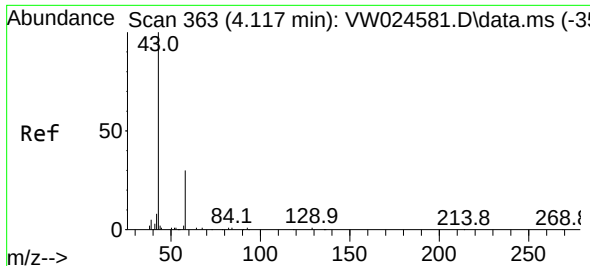
Tgt Ion:101 Resp: 4461
 Ion Ratio Lower Upper
 101 100
 85 22.8 21.8 32.8
 151 23.4 53.9 80.9#



#12
 1,1-Dichloroethene
 Concen: 1.424 ug/L
 RT: 4.032 min Scan# 349
 Delta R.T. 0.006 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

Tgt Ion: 96 Resp: 3828
 Ion Ratio Lower Upper
 96 100
 61 318.5 119.8 222.6#
 63 1473.5 89.6 166.4#

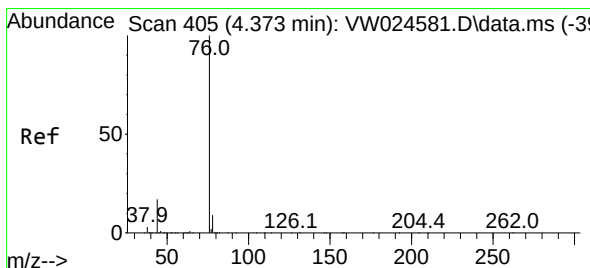
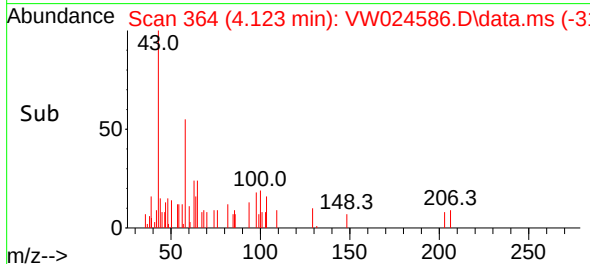
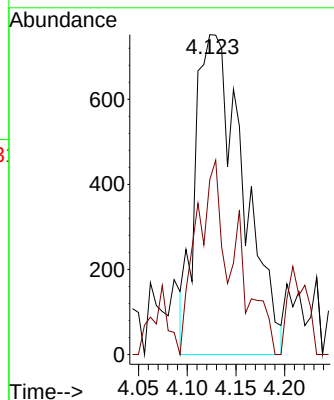
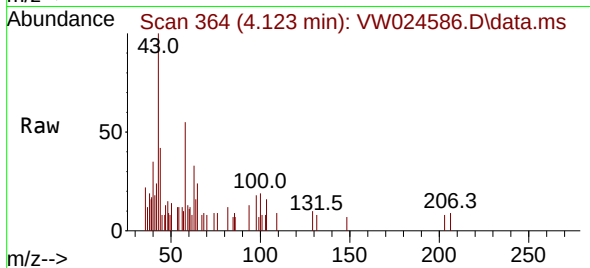




#13
Acetone
Concen: 3.859 ug/L m
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

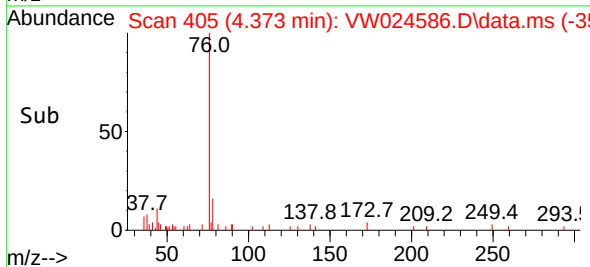
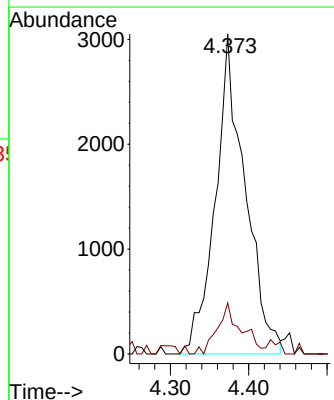
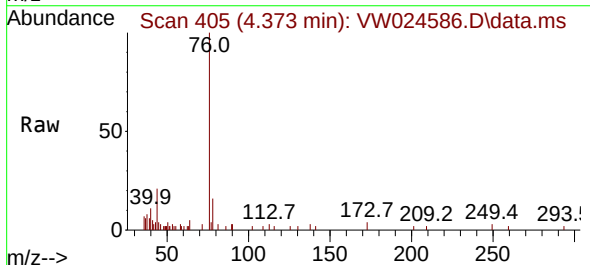
Instrument :
MSVOA_W
ClientSampleId :
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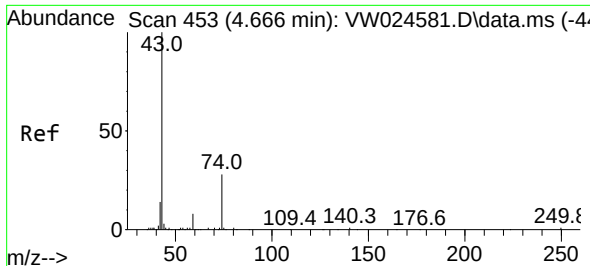
Tgt Ion: 43 Resp: 2572
Ion Ratio Lower Upper
43 100
58 15.3 0.0 57.8



#14
Carbon disulfide
Concen: 1.129 ug/L
RT: 4.373 min Scan# 405
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 76 Resp: 8031
Ion Ratio Lower Upper
76 100
78 15.9 7.5 11.3#

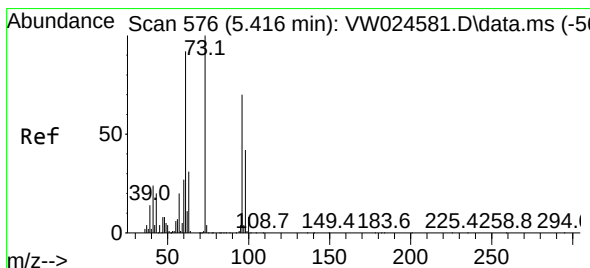
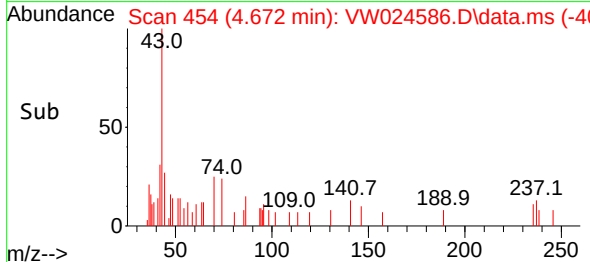
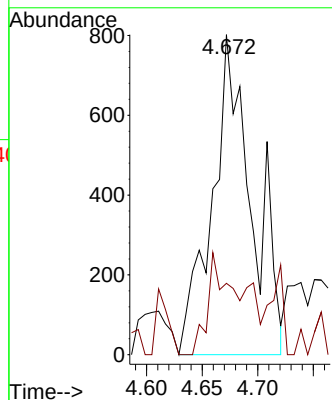
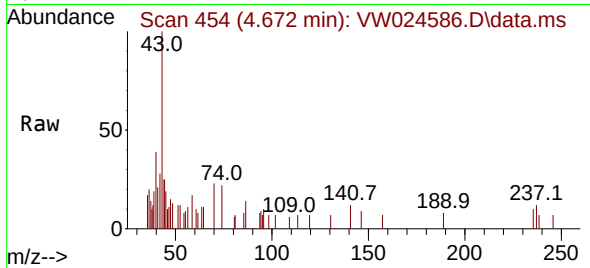




#15
Methyl Acetate
Concen: 1.405 ug/L m
RT: 4.672 min Scan# 454
Delta R.T. 0.006 min
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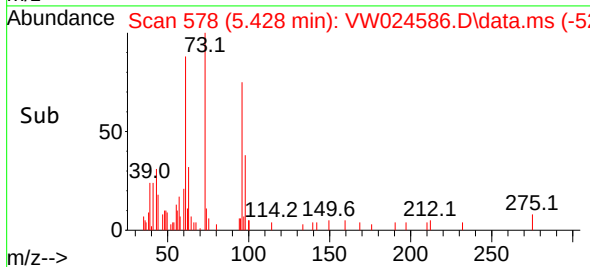
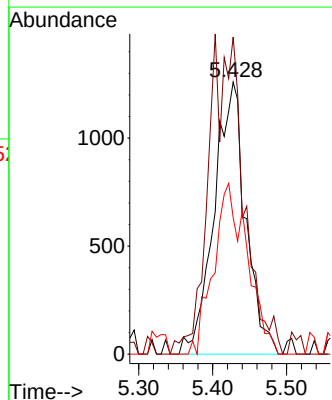
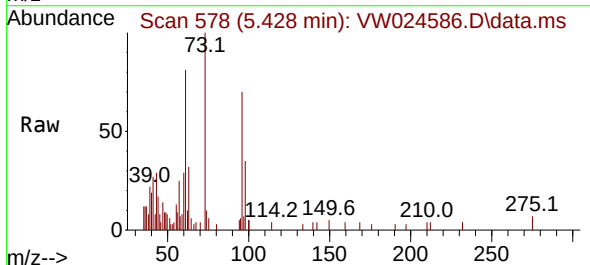
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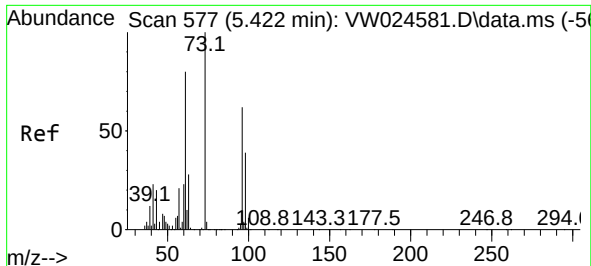
Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
74 10.2 19.9 29.9#



#17
trans-1,2-Dichloroethene
Concen: 1.213 ug/L m
RT: 5.428 min Scan# 578
Delta R.T. 0.012 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 96 Resp: 3737
Ion Ratio Lower Upper
96 100
61 116.5 91.7 170.3
98 50.2 43.6 81.0

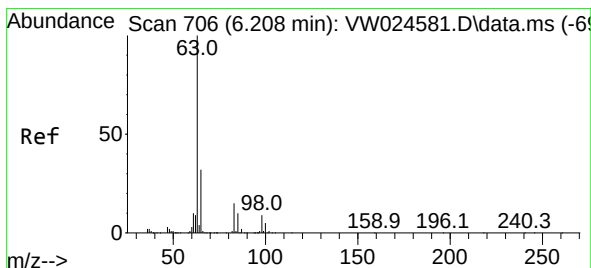
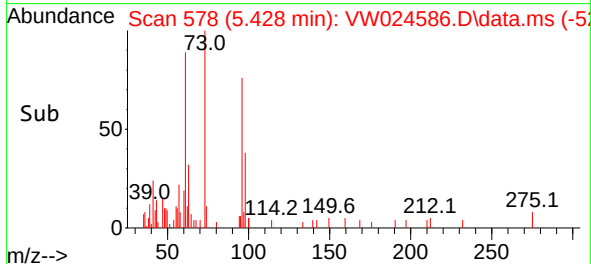
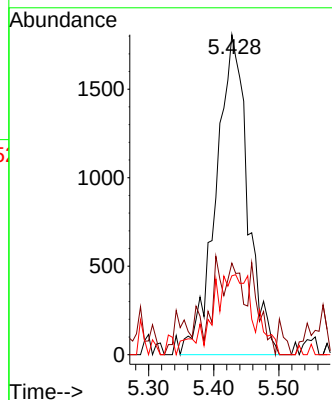
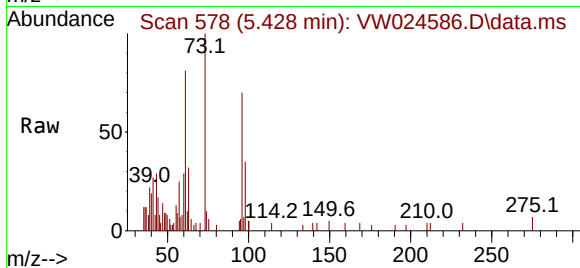




#18
Methyl tert-butyl Ether
Concen: 1.116 ug/L m
RT: 5.428 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

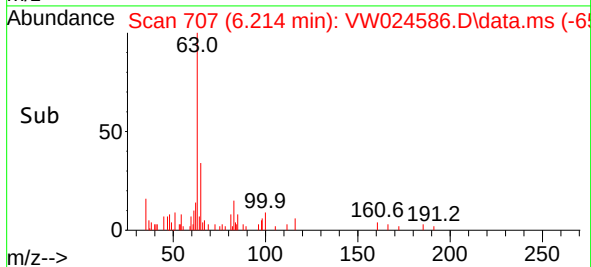
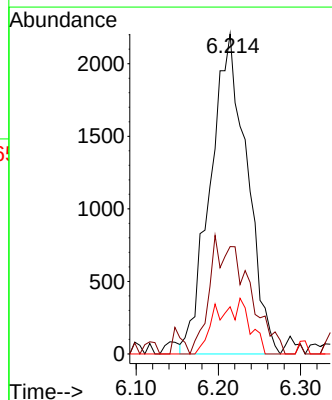
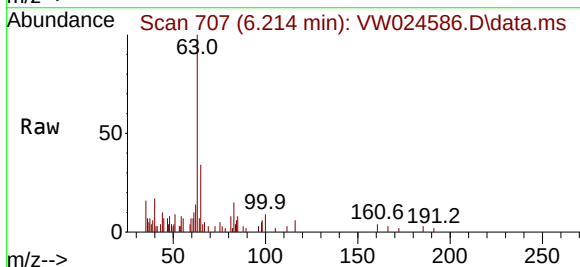
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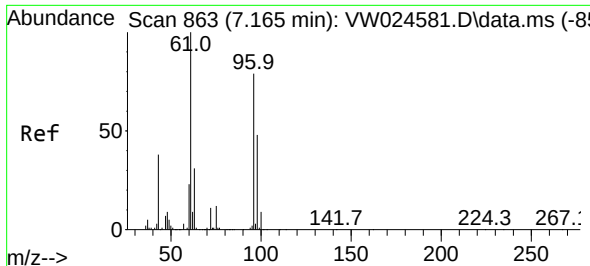
Tgt Ion:	73	Resp:	6119
Ion	Ratio	Lower	Upper
73	100		
43	13.4	16.7	25.1#
57	6.4	16.8	25.2#



#19
1,1-Dichloroethane
Concen: 1.218 ug/L
RT: 6.214 min Scan# 707
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion:	63	Resp:	6824
Ion	Ratio	Lower	Upper
63	100		
65	33.6	22.0	41.0
83	18.5	9.5	17.7#

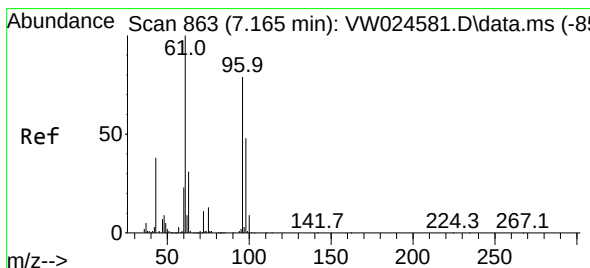
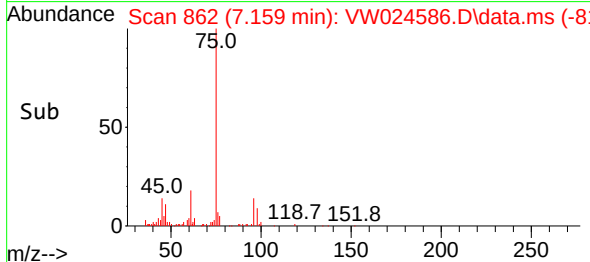
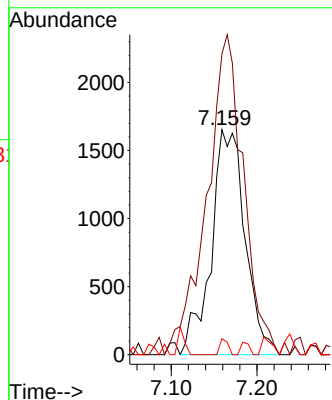
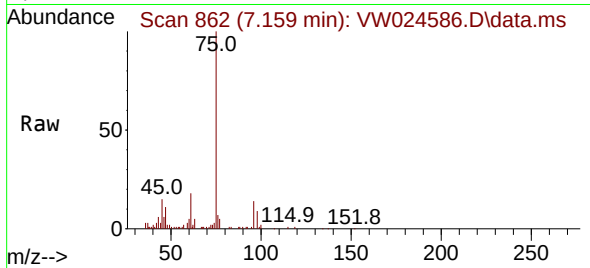




#20
 cis-1,2-Dichloroethene
 Concen: 1.313 ug/L m
 RT: 7.159 min Scan# 862
 Delta R.T. -0.006 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

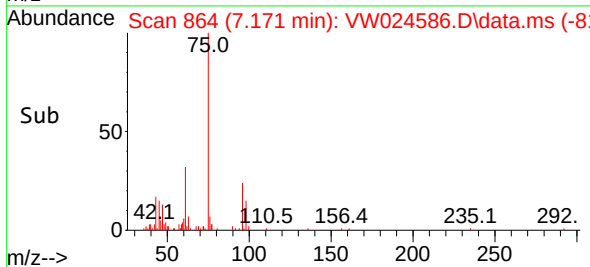
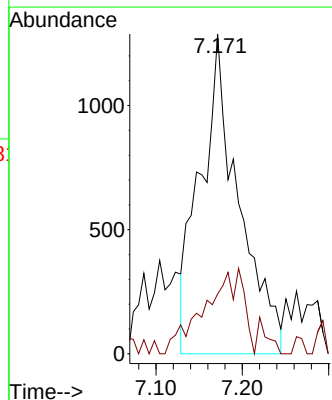
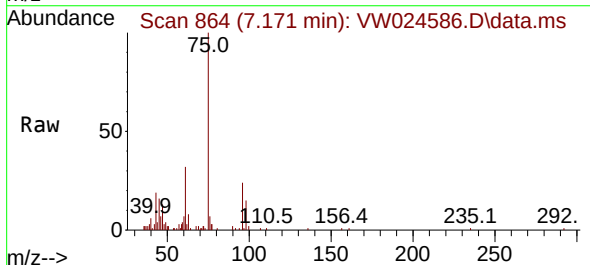
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT3-2022-06

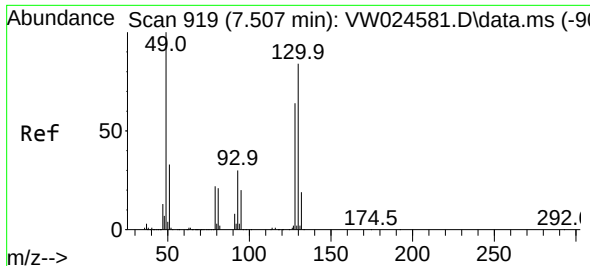
Tgt Ion: 96 Resp: 4538
 Ion Ratio Lower Upper
 96 100
 61 133.8 91.2 169.4
 68 7.1 0.0 0.0#



#22
 2-Butanone
 Concen: 3.696 ug/L m
 RT: 7.171 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

Tgt Ion: 43 Resp: 3984
 Ion Ratio Lower Upper
 43 100
 72 13.6 15.4 46.4#

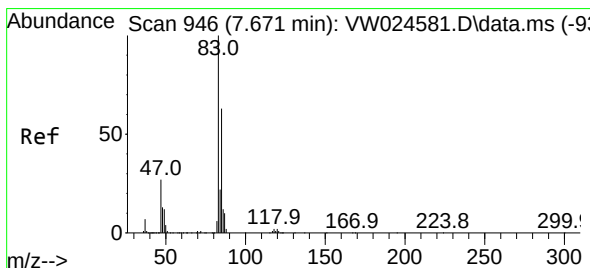
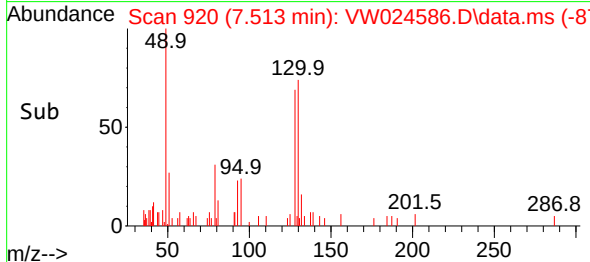
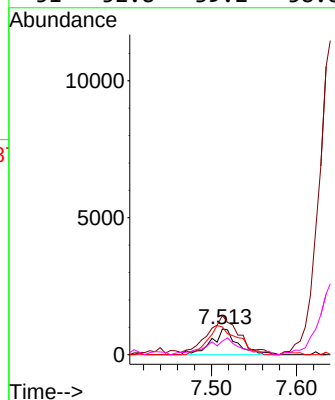
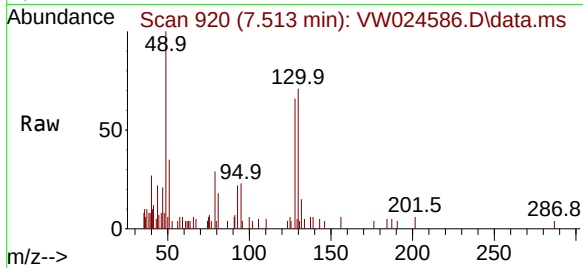




#23
Bromochloromethane
Concen: 1.262 ug/L m
RT: 7.513 min Scan# 919
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

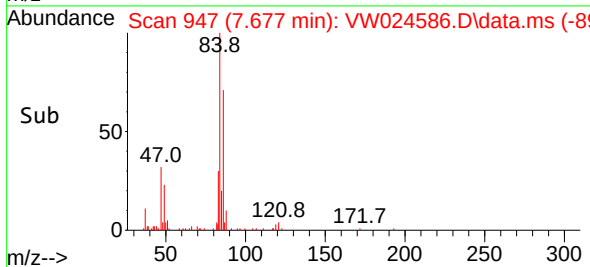
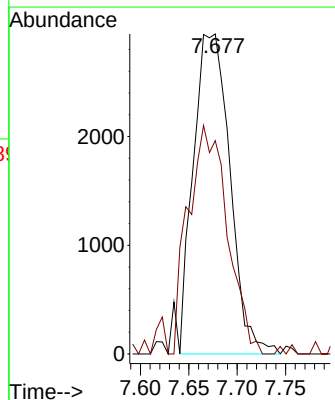
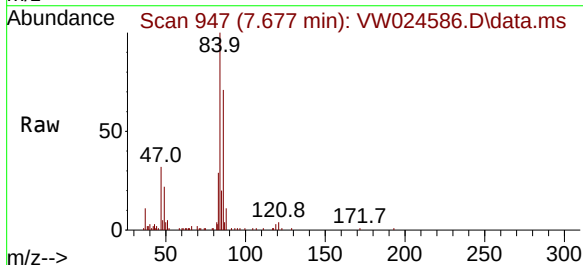
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

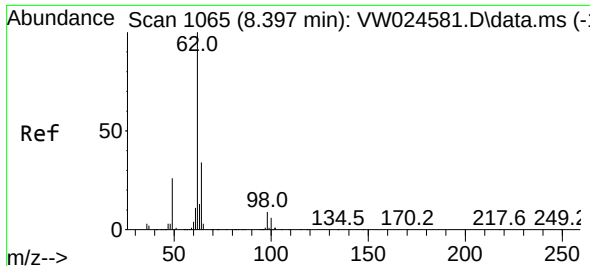
Tgt Ion:	128	Resp:	1996
Ion	Ratio	Lower	Upper
128	100		
49	152.2	110.0	204.2
130	107.3	88.3	163.9
51	52.8	39.2	58.8



#25
Chloroform
Concen: 1.245 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion:	83	Resp:	7748
Ion	Ratio	Lower	Upper
83	100		
85	66.7	46.4	86.2





#27

1,2-Dichloroethane

Concen: 1.311 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

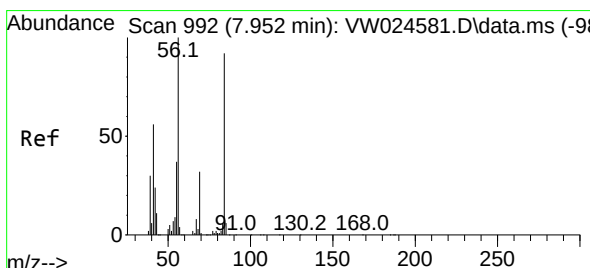
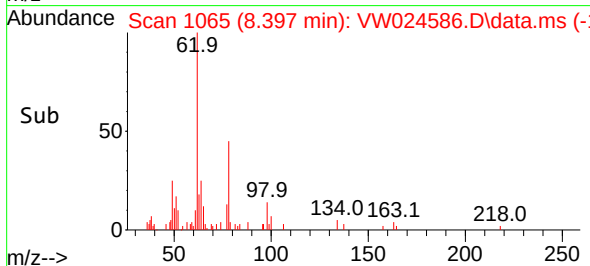
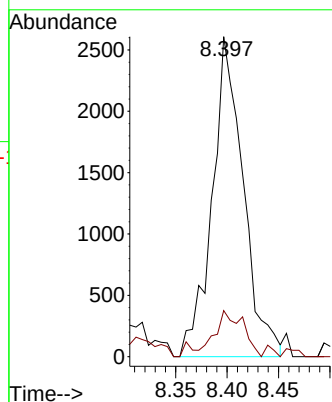
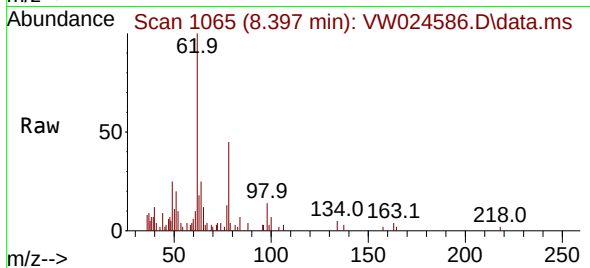
MDL-SOIL-QT3-2022-06

Tgt Ion: 62 Resp: 5487

Ion Ratio Lower Upper

62 100

98 14.4 7.4 11.0#



#29

Cyclohexane

Concen: 0.984 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.006 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

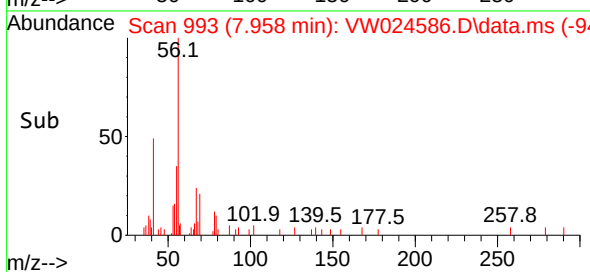
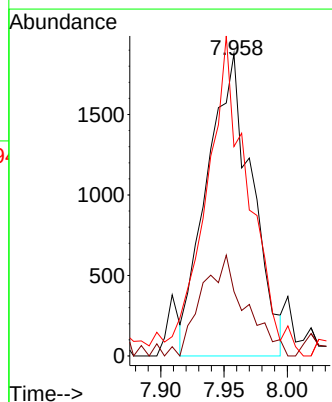
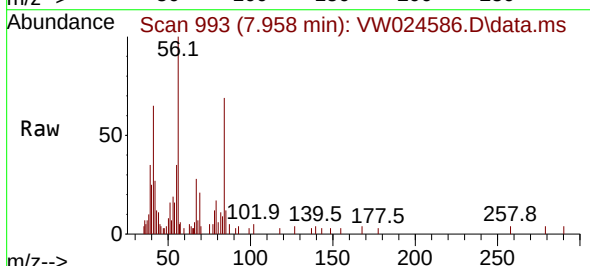
Tgt Ion: 56 Resp: 4655

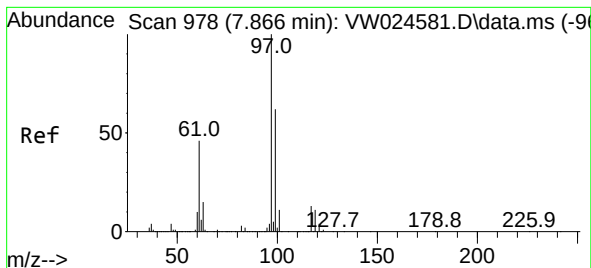
Ion Ratio Lower Upper

56 100

69 17.4 24.5 36.7#

84 98.8 75.7 113.5





#30

1,1,1-Trichloroethane

Concen: 1.049 ug/L

RT: 7.866 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

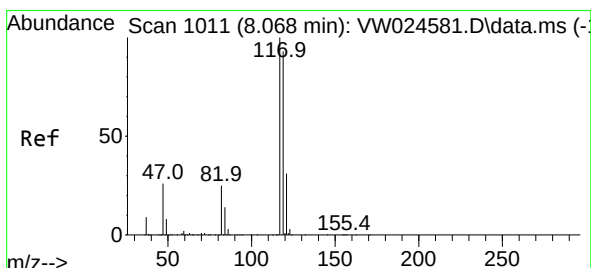
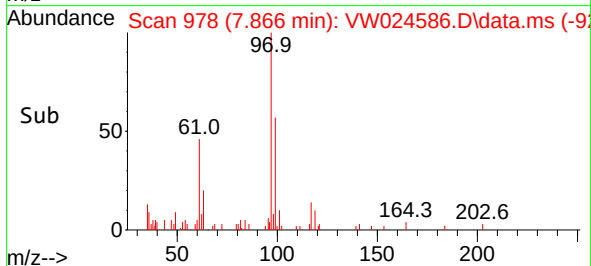
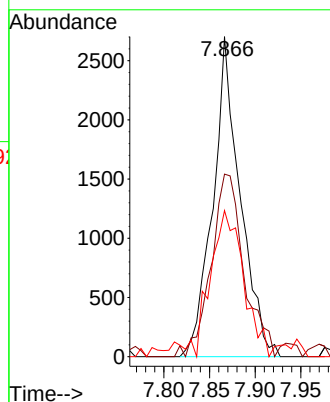
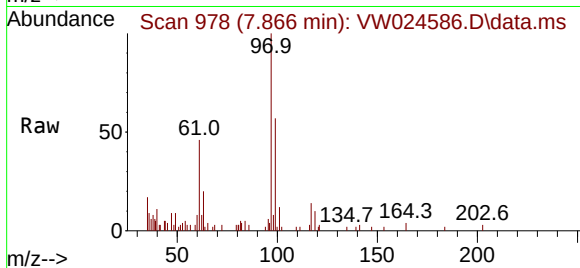
Tgt Ion: 97 Resp: 5624

Ion Ratio Lower Upper

97 100

99 68.0 51.5 77.3

61 54.2 37.2 55.8



#31

Carbon tetrachloride

Concen: 1.027 ug/L

RT: 8.074 min Scan# 1012

Delta R.T. 0.006 min

Lab File: VW024586.D

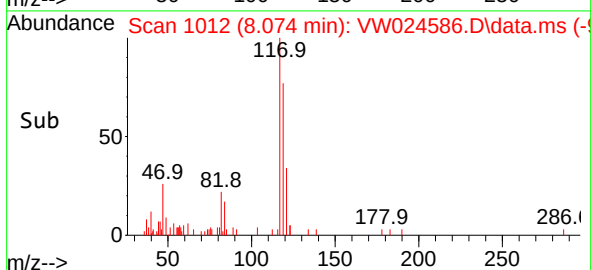
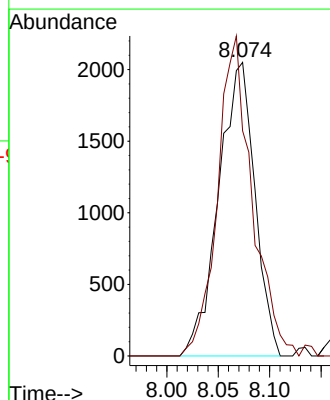
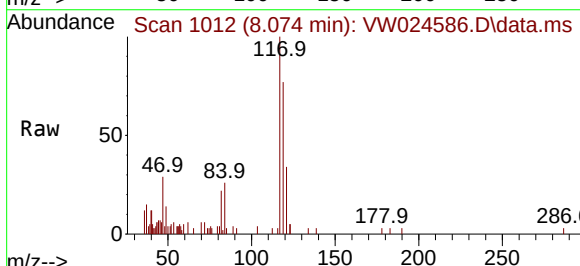
Acq: 08 Sep 2022 12:58

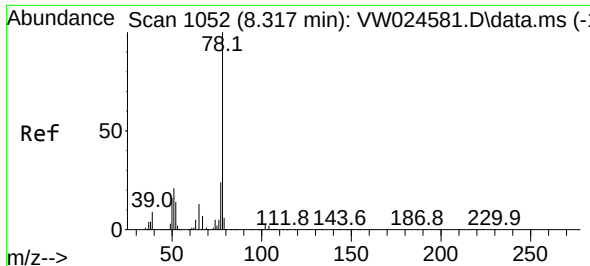
Tgt Ion: 117 Resp: 5025

Ion Ratio Lower Upper

117 100

119 103.5 74.4 111.6

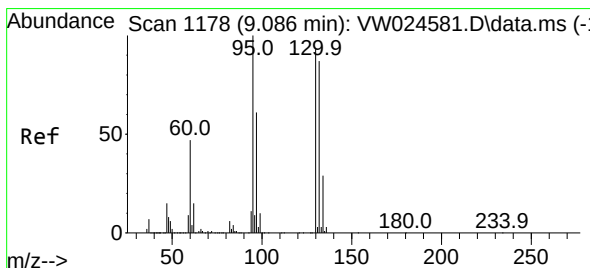
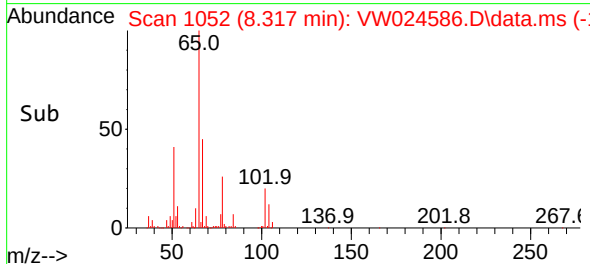
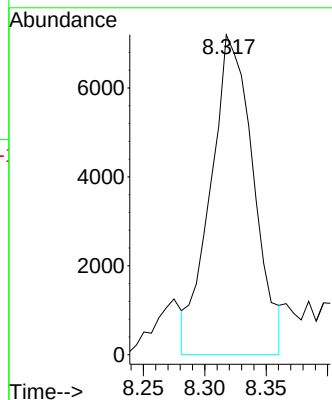
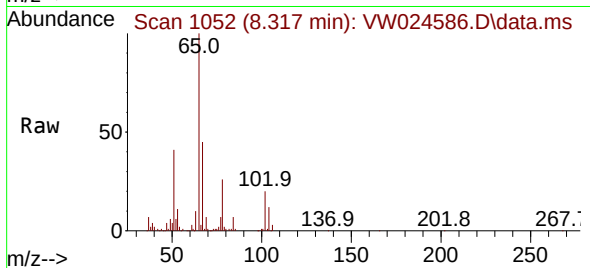




#33
Benzene
Concen: 1.259 ug/L m
RT: 8.317 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2022-06

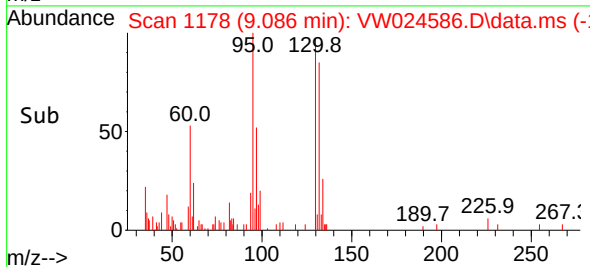
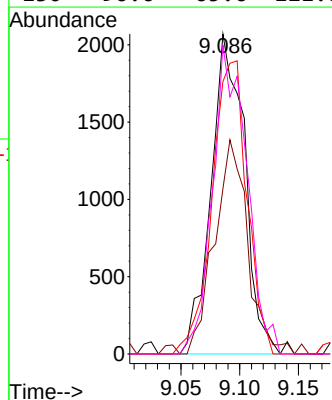
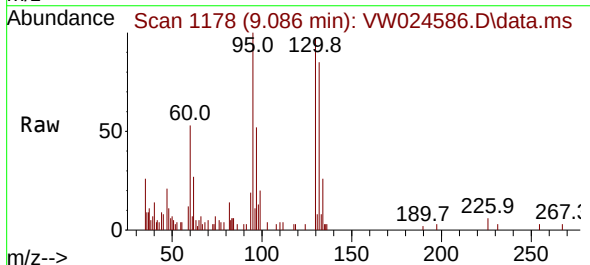
Tgt Ion: 78 Resp: 17459

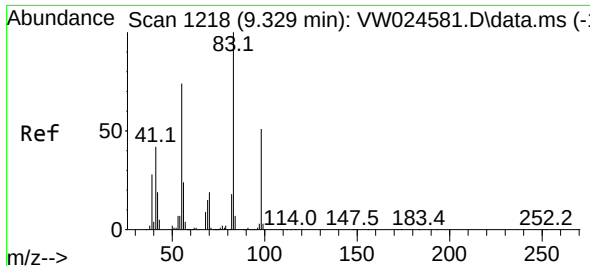


#34
Trichloroethene
Concen: 1.129 ug/L
RT: 9.086 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 95 Resp: 4090

Ion	Ratio	Lower	Upper
95	100		
97	51.6	45.9	85.3
132	85.1	62.6	116.2
130	96.6	65.6	121.8

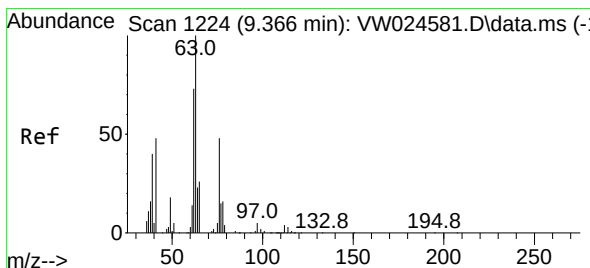
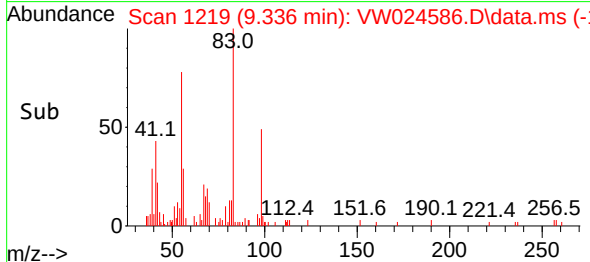
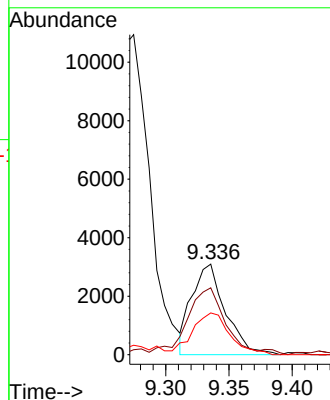
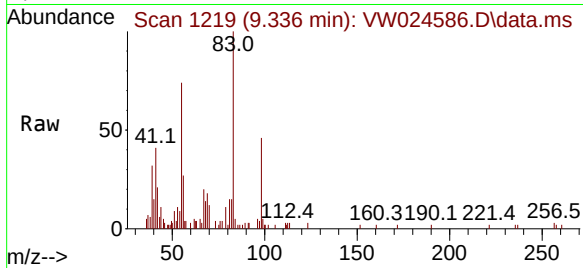




#35
Methylcyclohexane
Concen: 0.983 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

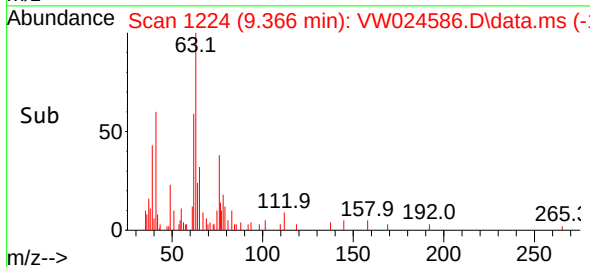
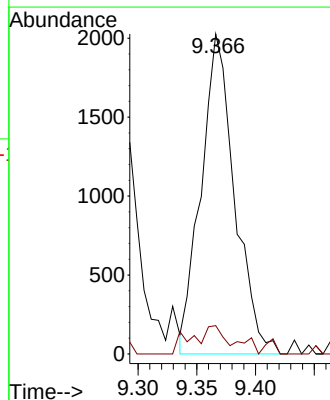
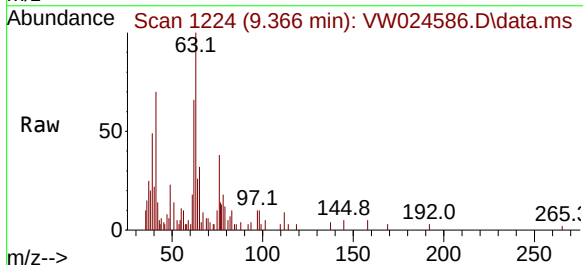
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

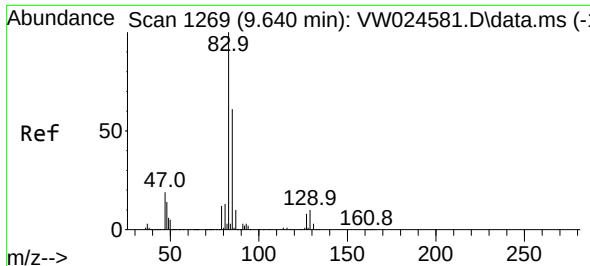
Tgt Ion: 83	Resp: 5697
Ion Ratio	Lower Upper
83	100
55	76.6 57.3 85.9
98	52.0 40.4 60.6



#37
1,2-Dichloropropane
Concen: 1.163 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 63	Resp: 4028
Ion Ratio	Lower Upper
63	100
112	4.6 3.9 5.9

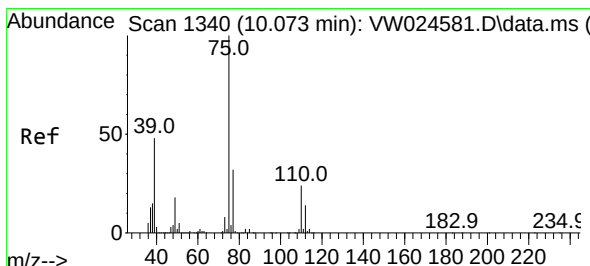
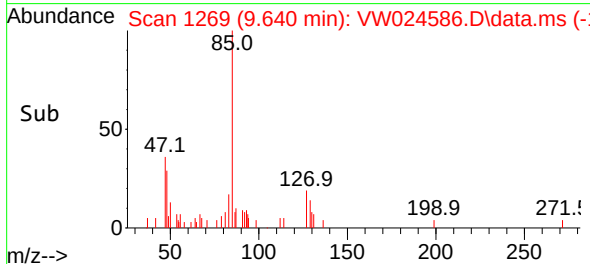
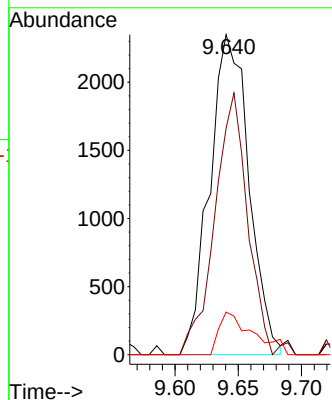
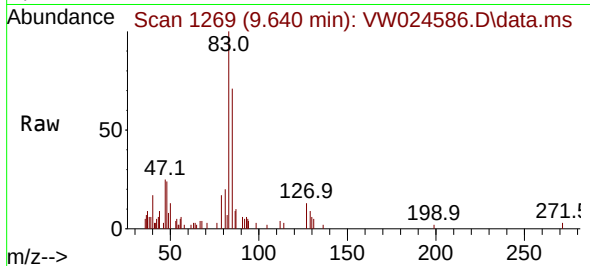




#38
Bromodichloromethane
Concen: 1.036 ug/L
RT: 9.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

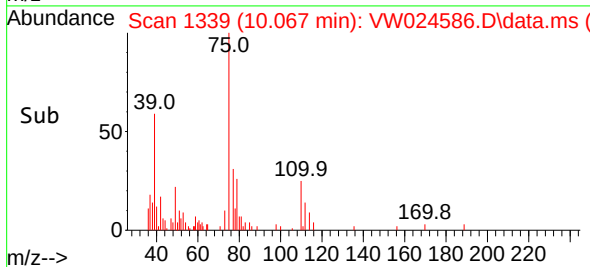
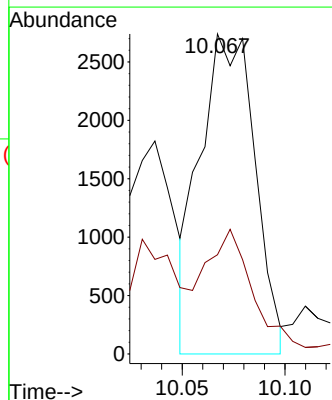
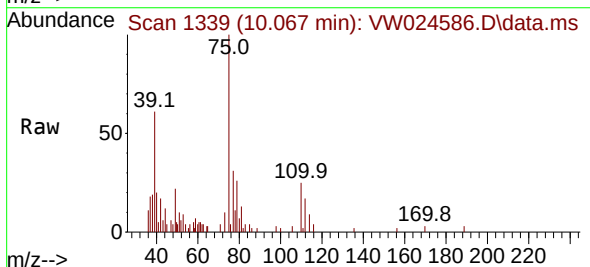
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

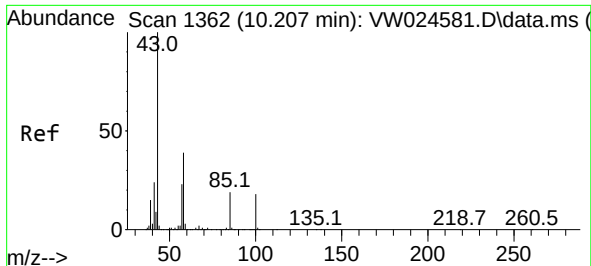
Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.8	45.1	83.9
127	13.3	7.3	10.9



#39
cis-1,3-Dichloropropene
Concen: 0.999 ug/L
RT: 10.067 min Scan# 1339
Delta R.T. -0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	21.9	40.7





#40

4-Methyl-2-pentanone

Concen: 2.100 ug/L m

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

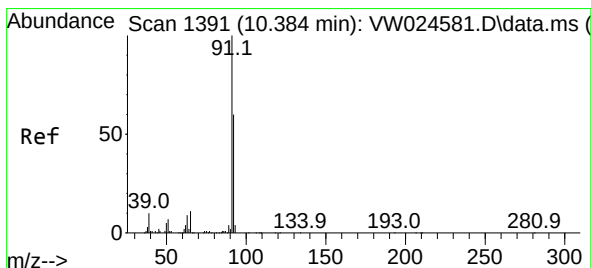
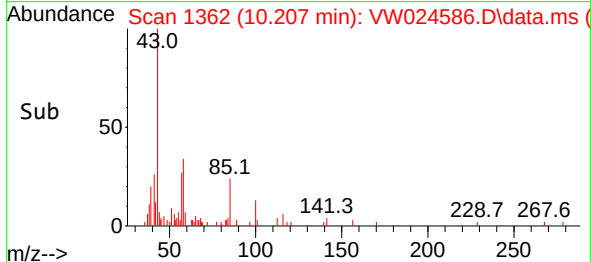
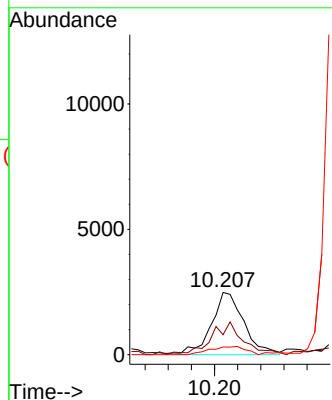
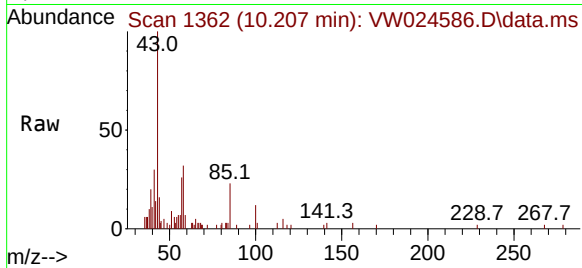
Tgt Ion: 43 Resp: 4799

Ion Ratio Lower Upper

43 100

58 2.8 30.9 46.3#

100 1.1 13.3 19.9#



#42

Toluene

Concen: 1.132 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW024586.D

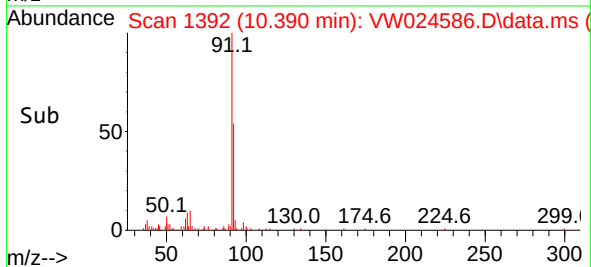
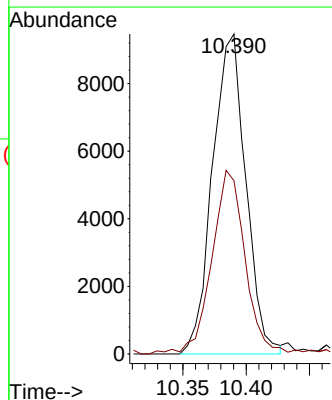
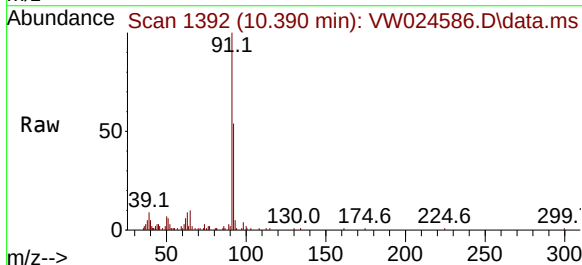
Acq: 08 Sep 2022 12:58

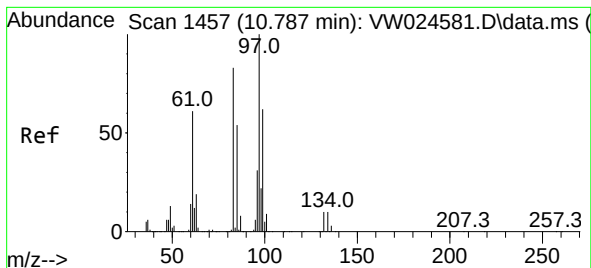
Tgt Ion: 91 Resp: 17311

Ion Ratio Lower Upper

91 100

92 54.2 40.8 75.8





#45

1,1,2-Trichloroethane

Concen: 1.019 ug/L

RT: 10.787 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW024586.D

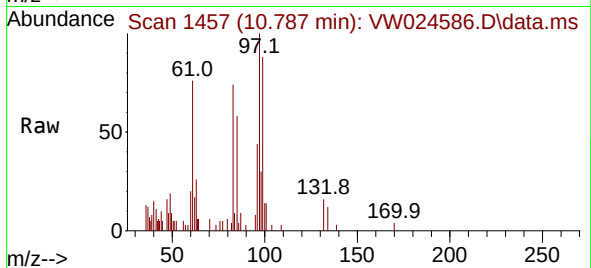
Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06



Tgt Ion: 97 Resp: 2949

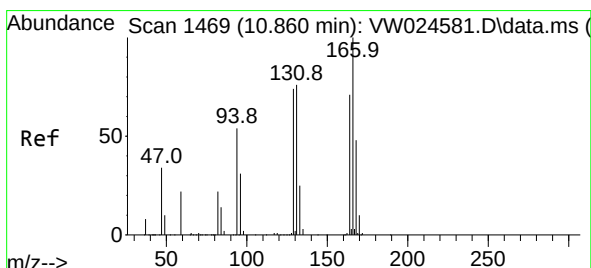
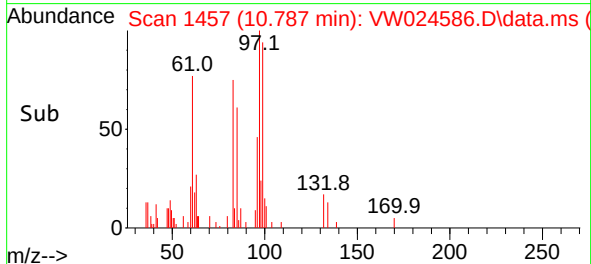
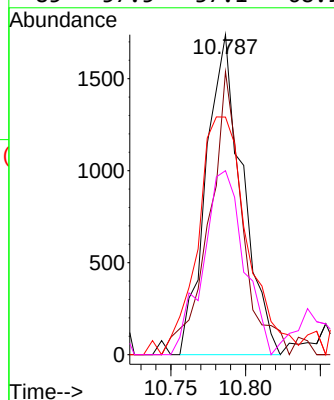
Ion Ratio Lower Upper

97 100

99 88.4 41.9 77.9#

83 83.3 58.2 108.0

85 57.5 37.1 68.9



#46

Tetrachloroethene

Concen: 1.193 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Tgt Ion:164 Resp: 3184

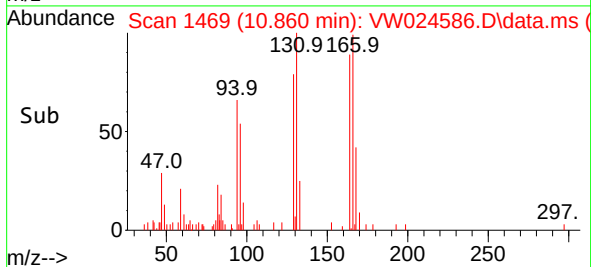
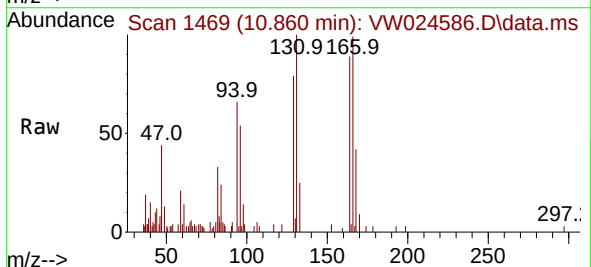
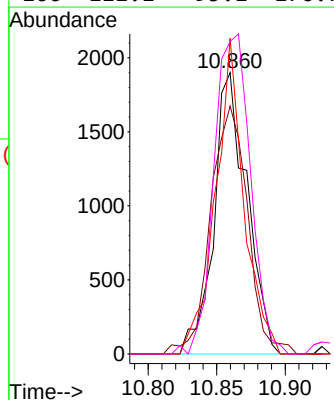
Ion Ratio Lower Upper

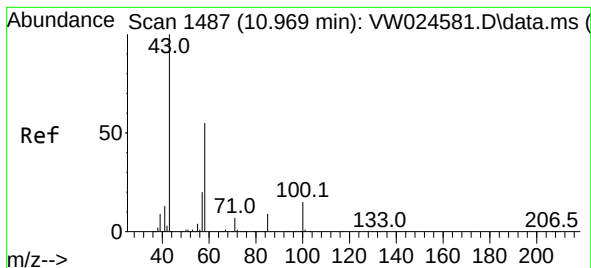
164 100

129 88.2 75.0 139.2

131 112.2 70.1 130.1

166 111.1 95.1 176.7





#48

2-Hexanone

Concen: 2.508 ug/L m

RT: 10.969 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

Tgt Ion: 43 Resp: 3930

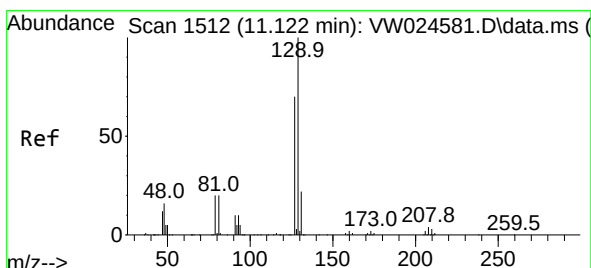
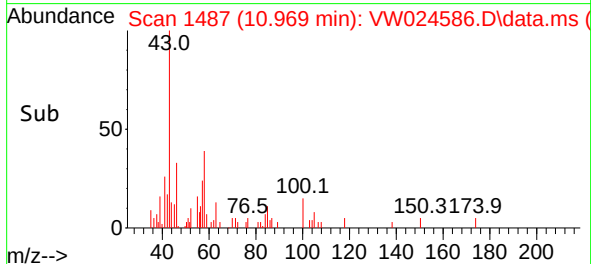
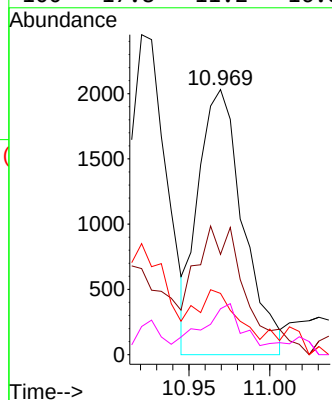
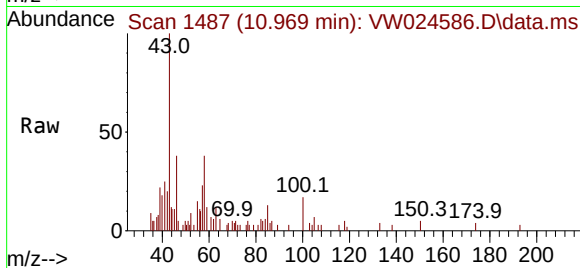
Ion Ratio Lower Upper

43 100

58 50.7 43.7 65.5

57 15.9 15.3 22.9

100 17.8 11.2 16.8#



#49

Dibromochloromethane

Concen: 1.087 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VW024586.D

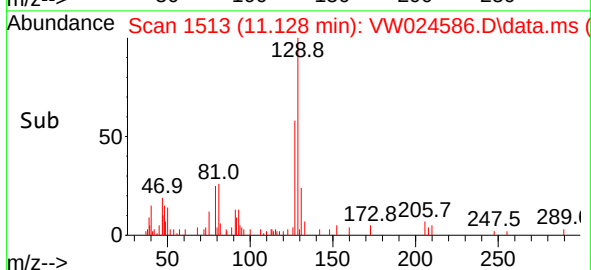
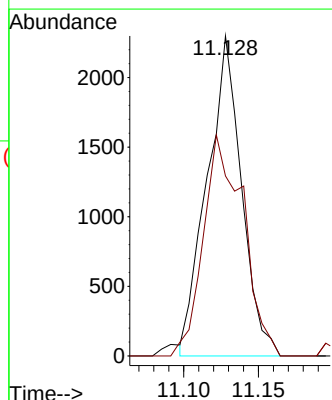
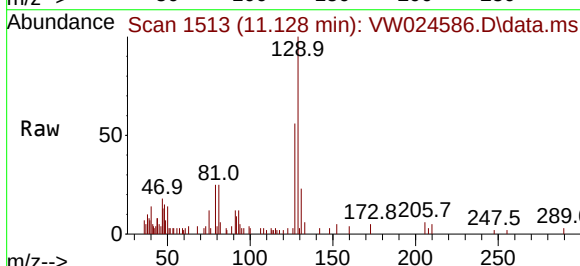
Acq: 08 Sep 2022 12:58

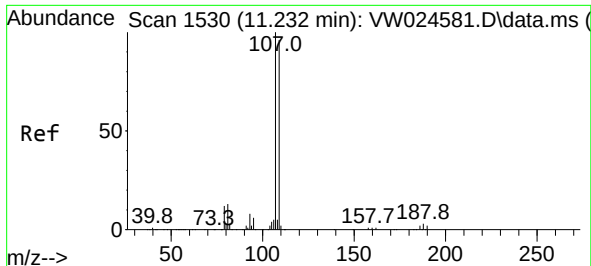
Tgt Ion: 129 Resp: 3679

Ion Ratio Lower Upper

129 100

127 56.2 56.1 104.1

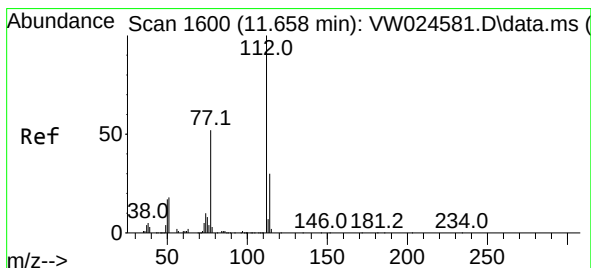
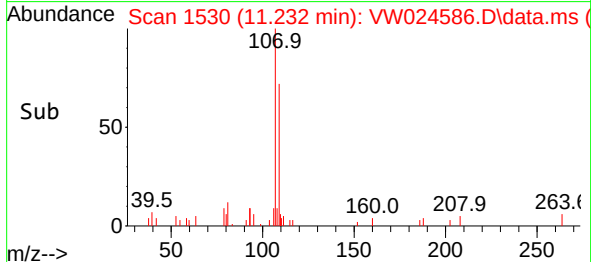
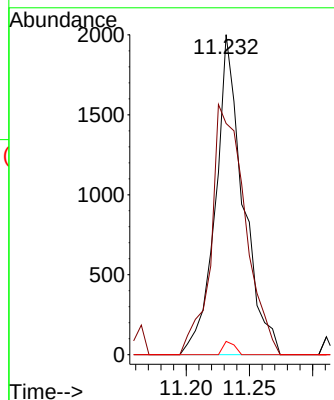
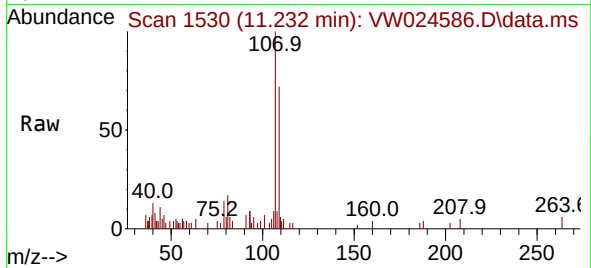




#50
1,2-Dibromoethane
Concen: 1.080 ug/L
RT: 11.232 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

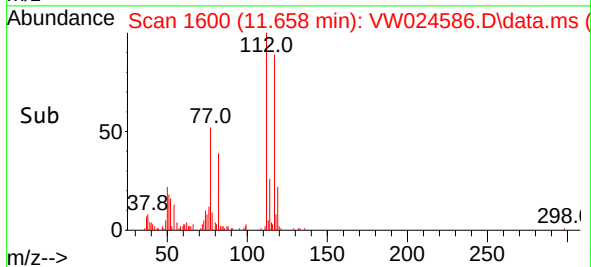
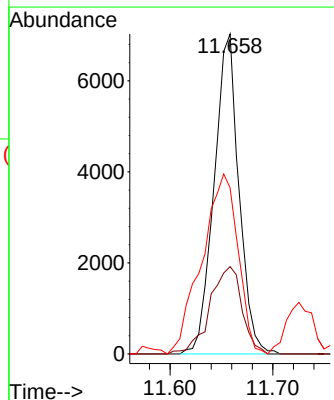
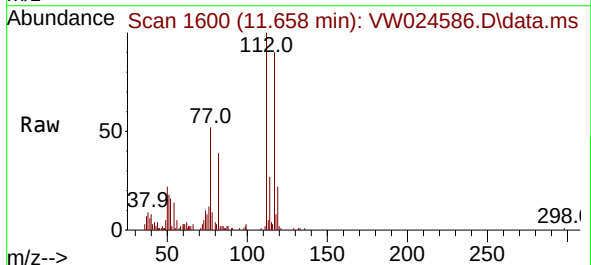
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2022-06

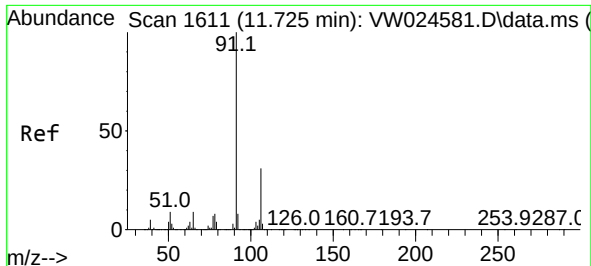
Tgt Ion:	107	Resp:	3036
Ion	Ratio	Lower	Upper
107	100		
109	78.4	64.5	119.9
188	4.1	3.0	4.4



#51
Chlorobenzene
Concen: 1.118 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion:	112	Resp:	11810
Ion	Ratio	Lower	Upper
112	100		
114	27.3	20.0	37.2
77	51.9	42.6	63.8

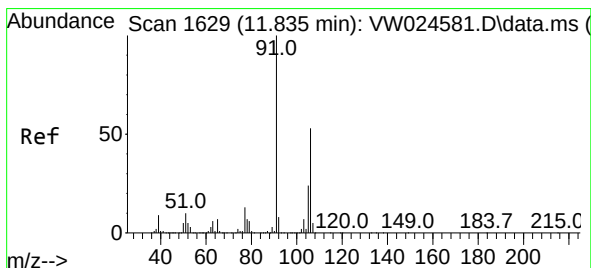
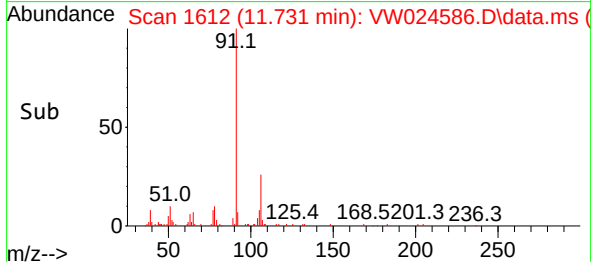
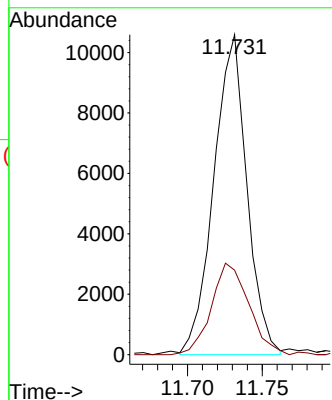
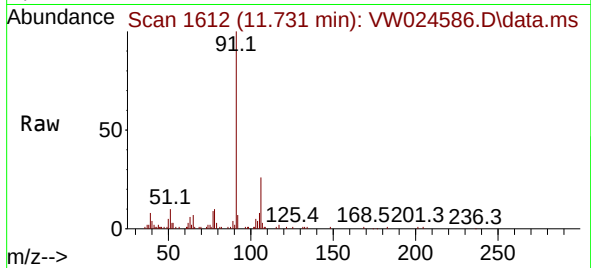




#52
Ethylbenzene
Concen: 0.938 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

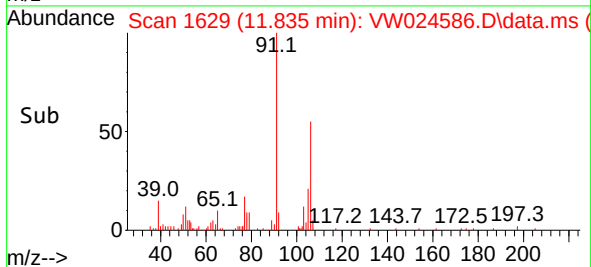
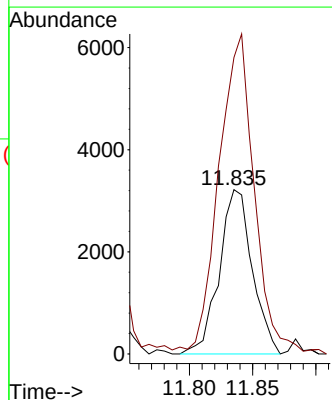
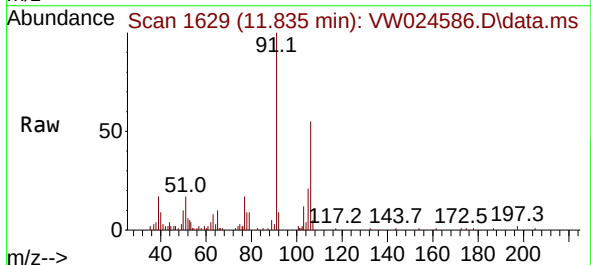
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

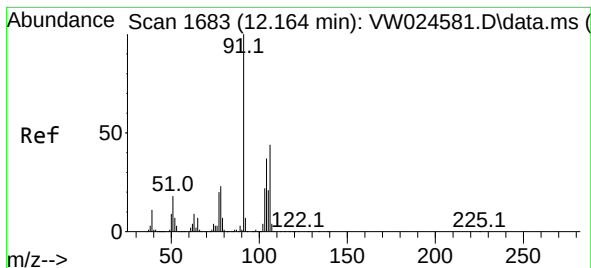
Tgt Ion: 91 Resp: 16280
Ion Ratio Lower Upper
91 100
106 26.4 23.8 44.2



#53
m,p-Xylene
Concen: 0.861 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 106 Resp: 5841
Ion Ratio Lower Upper
106 100
91 180.4 131.3 243.8





#54

o-Xylene

Concen: 0.892 ug/L

RT: 12.158 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

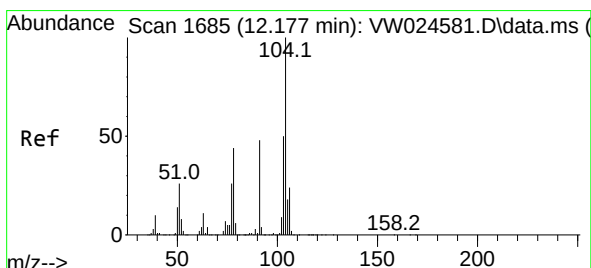
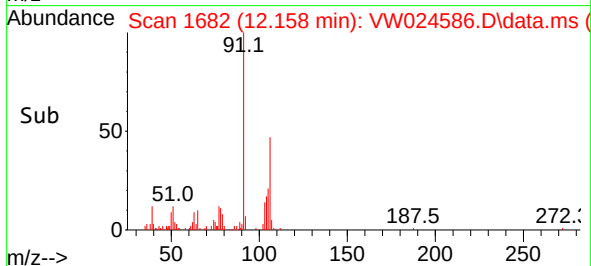
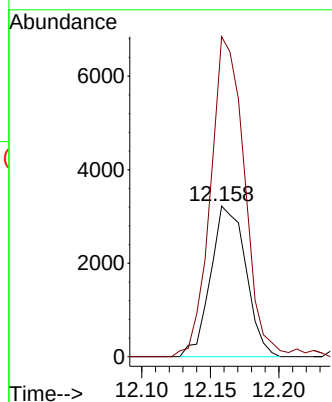
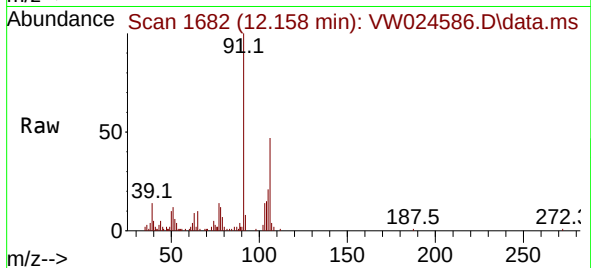
MDL-SOIL-QT3-2022-06

Tgt Ion:106 Resp: 5761

Ion Ratio Lower Upper

106 100

91 212.4 148.7 276.3



#55

Styrene

Concen: 0.807 ug/L

RT: 12.177 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW024586.D

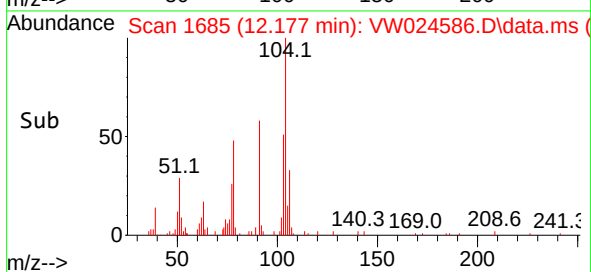
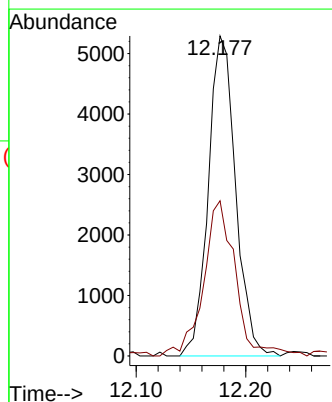
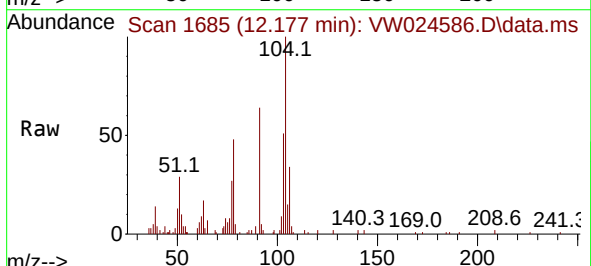
Acq: 08 Sep 2022 12:58

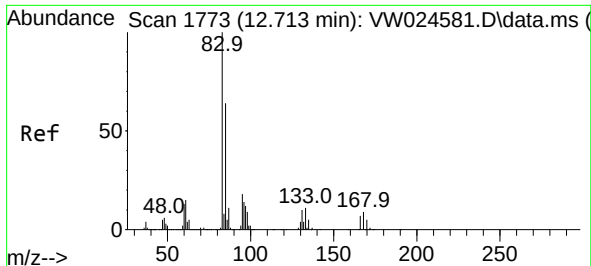
Tgt Ion:104 Resp: 9170

Ion Ratio Lower Upper

104 100

78 48.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 1.185 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

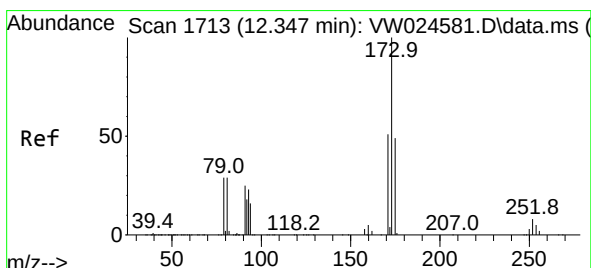
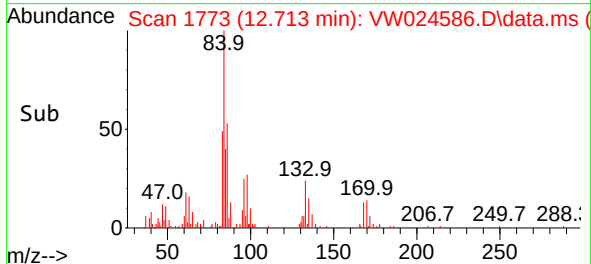
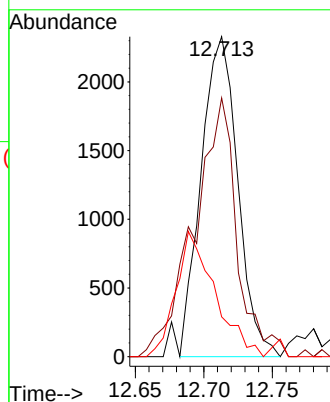
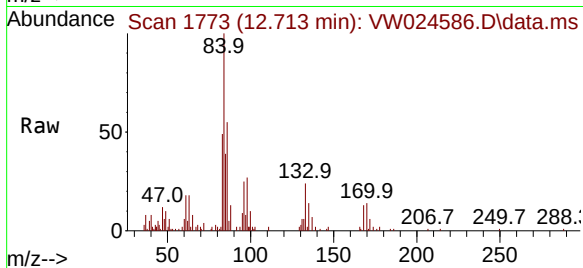
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

Tgt Ion:	83	Resp:	4342
Ion Ratio	Lower	Upper	
83	100		
85	80.9	45.6	84.8
131	12.5	9.0	13.4



#59

Bromoform

Concen: 1.058 ug/L

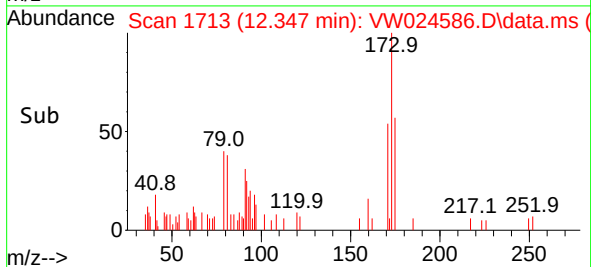
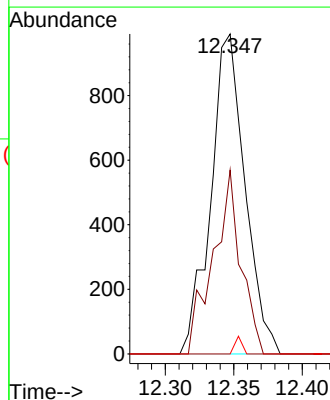
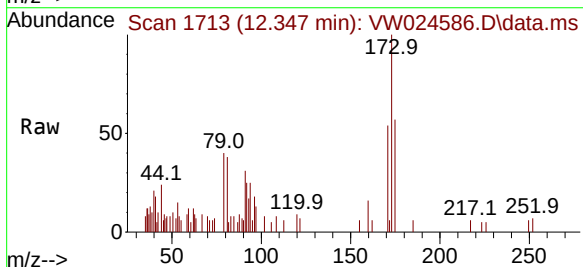
RT: 12.347 min Scan# 1713

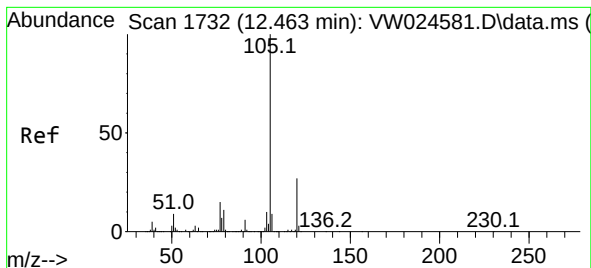
Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Tgt Ion:	173	Resp:	1724
Ion Ratio	Lower	Upper	
173	100		
175	46.5	40.5	60.7
254	0.0	6.4	9.6#





#60

Isopropylbenzene

Concen: 0.898 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

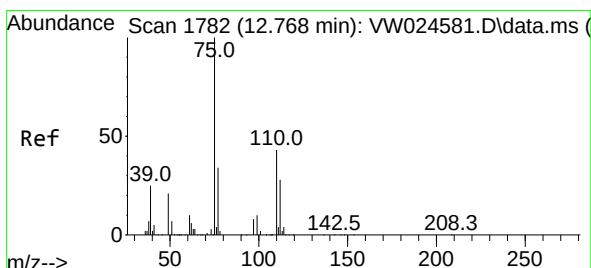
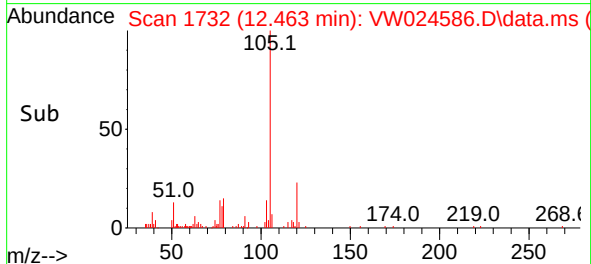
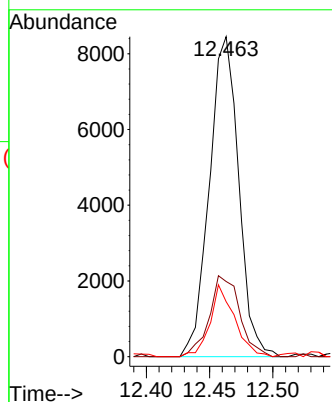
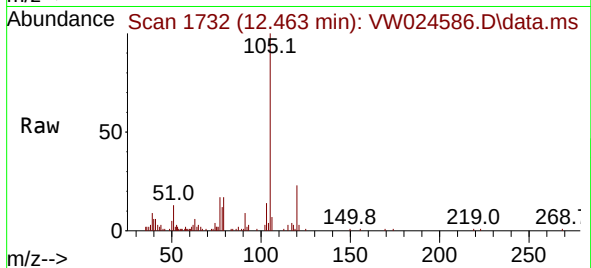
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

Tgt Ion:	105	Resp:	13629
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.9	31.3
77	18.8	12.6	19.0



#61

1,2,3-Trichloropropane

Concen: 1.288 ug/L m

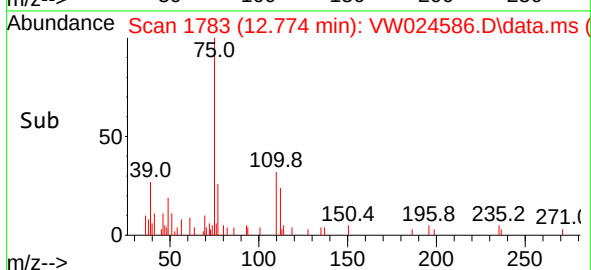
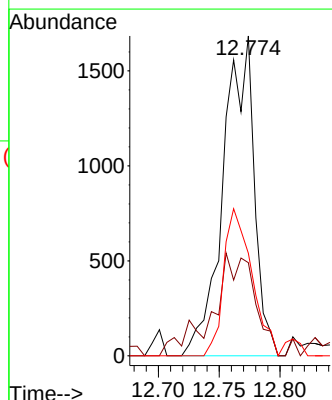
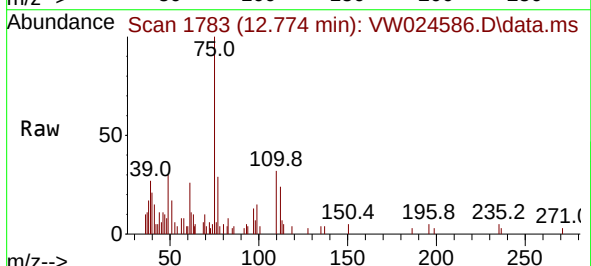
RT: 12.774 min Scan# 1783

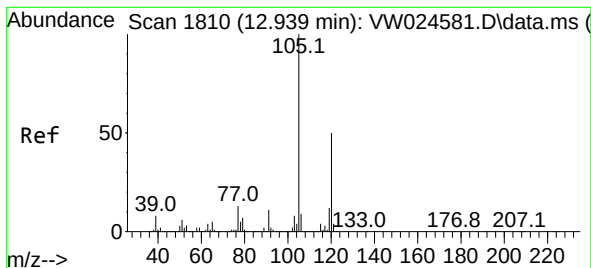
Delta R.T. 0.006 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Tgt Ion:	75	Resp:	2987
Ion	Ratio	Lower	Upper
75	100		
77	15.5	26.8	40.2#
110	41.8	33.8	50.8





#62

1,3,5-Trimethylbenzene

Concen: 0.838 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

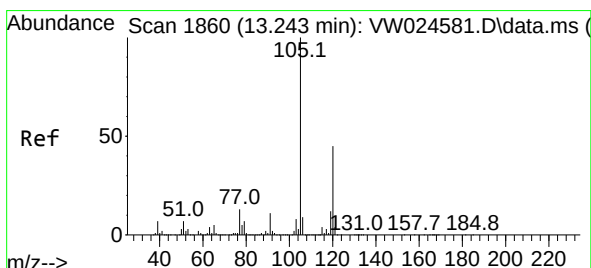
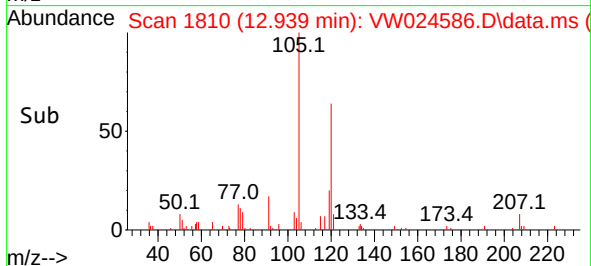
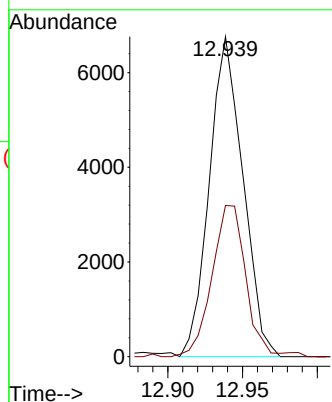
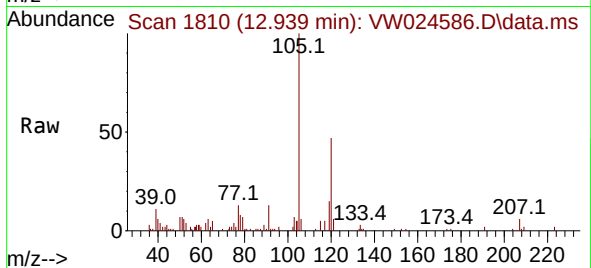
MDL-SOIL-QT3-2022-06

Tgt Ion:105 Resp: 10567

Ion Ratio Lower Upper

105 100

120 47.1 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 0.776 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VW024586.D

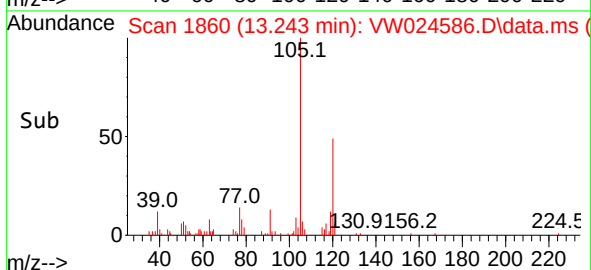
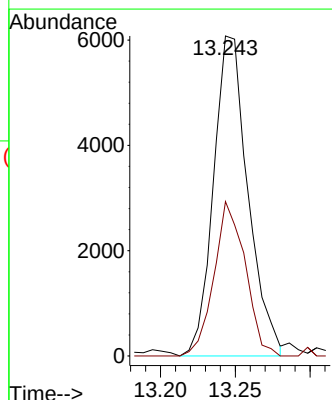
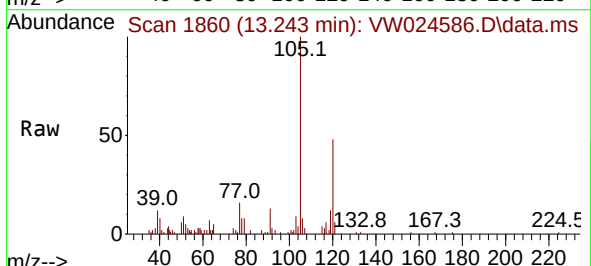
Acq: 08 Sep 2022 12:58

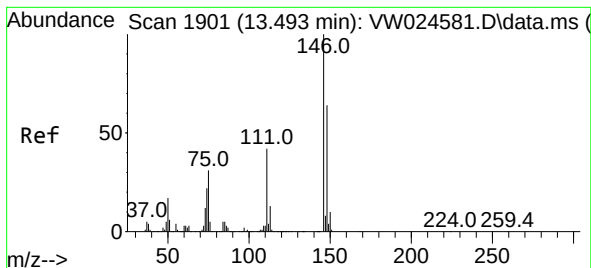
Tgt Ion:105 Resp: 9741

Ion Ratio Lower Upper

105 100

120 43.7 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 0.965 ug/L

RT: 13.493 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

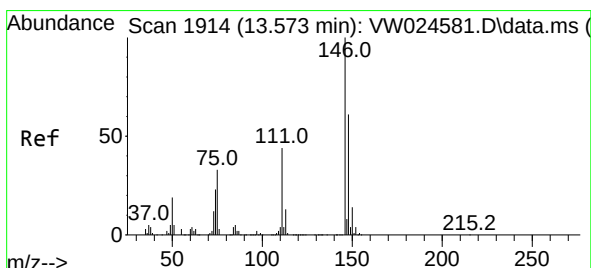
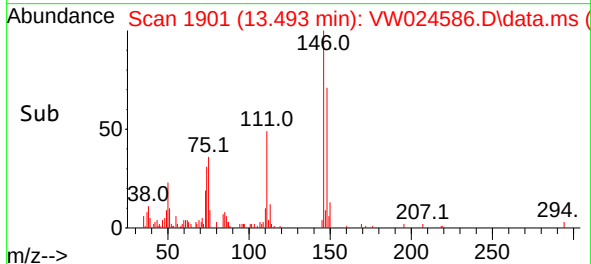
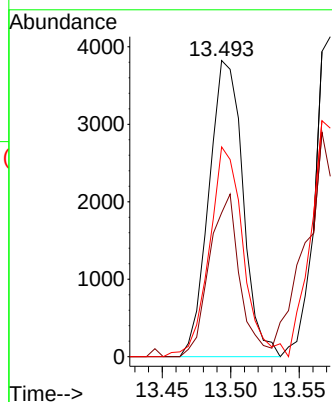
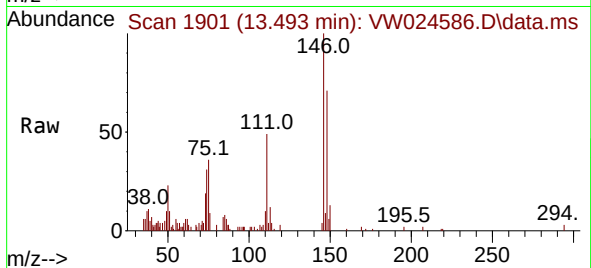
Tgt Ion:146 Resp: 6601

Ion Ratio Lower Upper

146 100

111 48.6 28.3 52.5

148 70.8 42.2 78.4



#65

1,4-Dichlorobenzene

Concen: 1.091 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

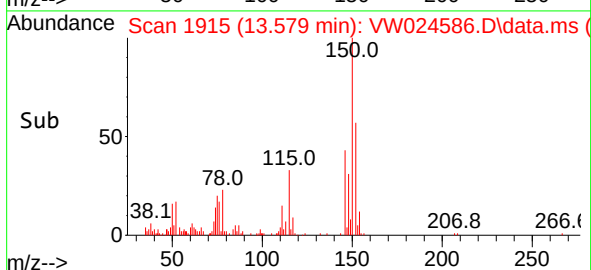
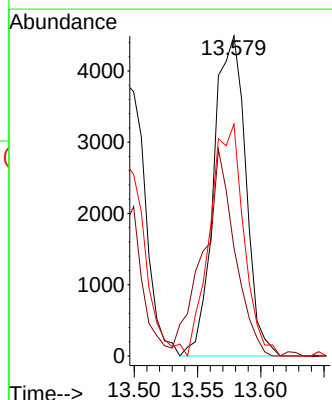
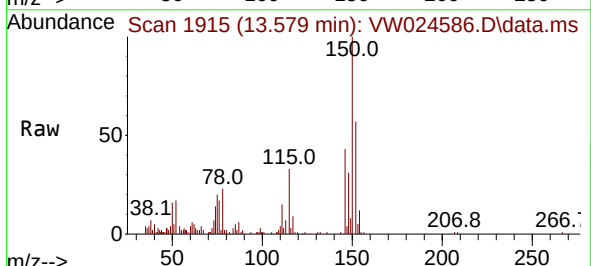
Tgt Ion:146 Resp: 7870

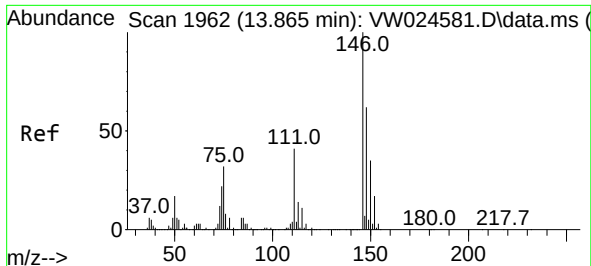
Ion Ratio Lower Upper

146 100

111 33.8 29.3 54.3

148 72.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 1.214 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

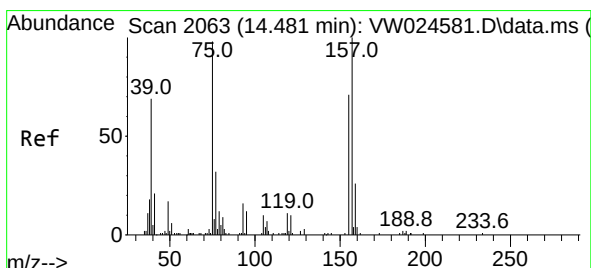
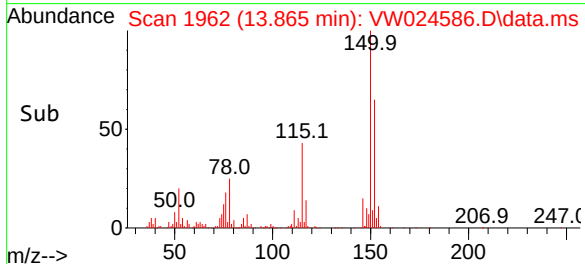
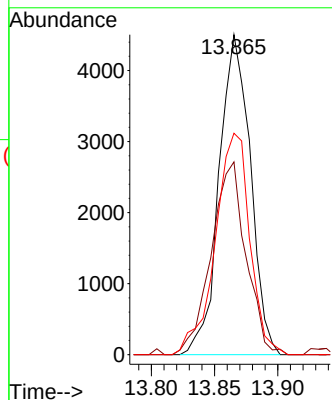
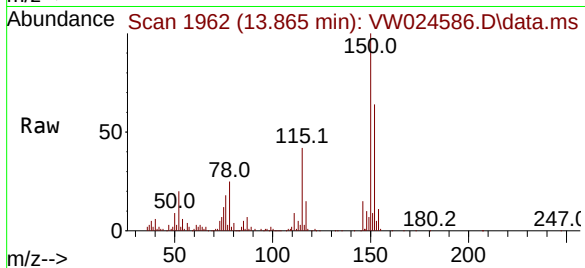
Tgt Ion:146 Resp: 7745

Ion Ratio Lower Upper

146 100

111 60.3 32.2 48.4#

148 69.2 48.3 72.5



#68

1,2-Dibromo-3-chloropropane

Concen: 1.587 ug/L m

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

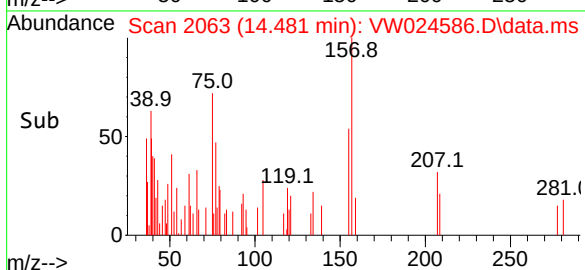
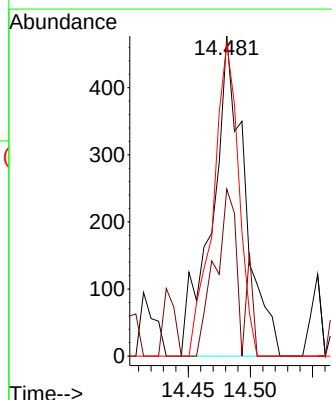
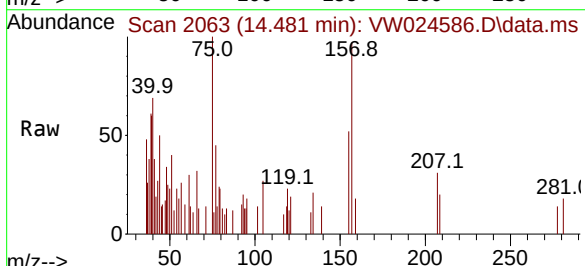
Tgt Ion: 75 Resp: 871

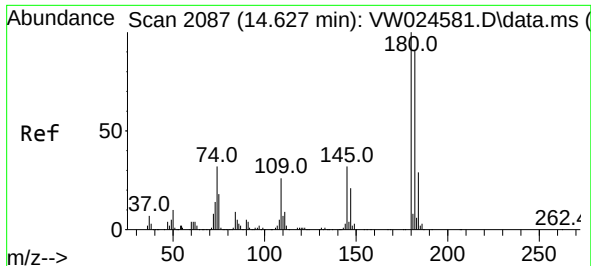
Ion Ratio Lower Upper

75 100

155 52.2 66.3 99.5#

157 97.5 77.6 116.4

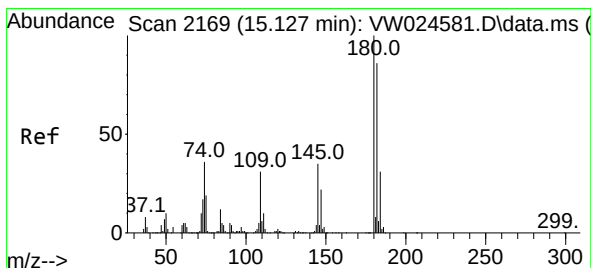
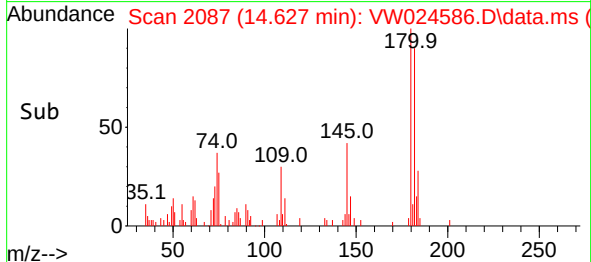
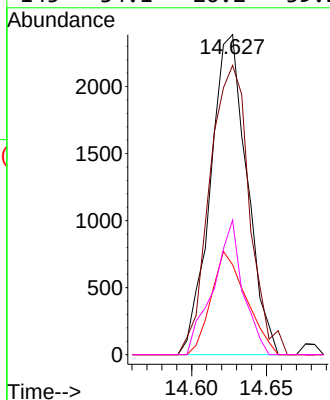
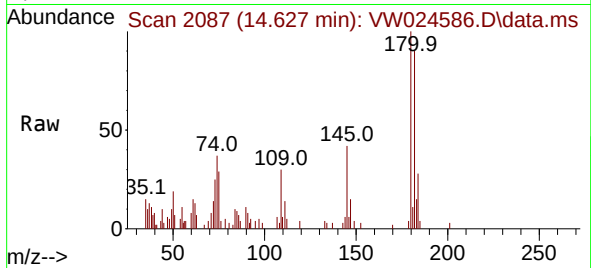




#69
1,3,5-Trichlorobenzene
Concen: 0.916 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

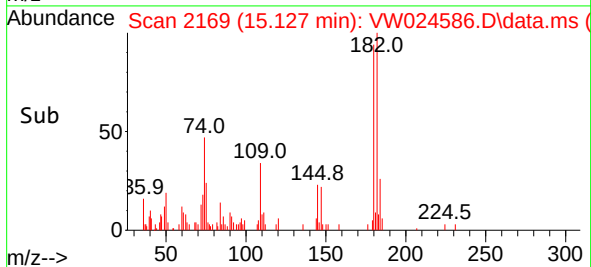
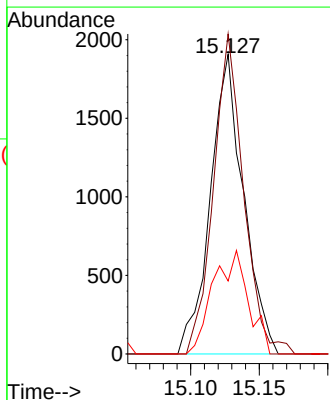
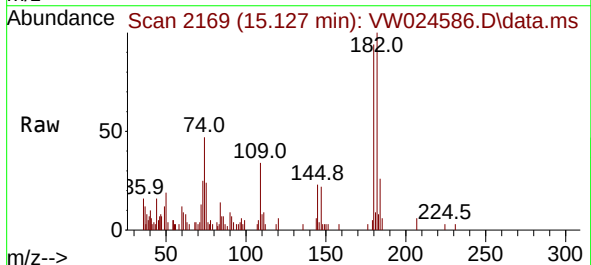
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

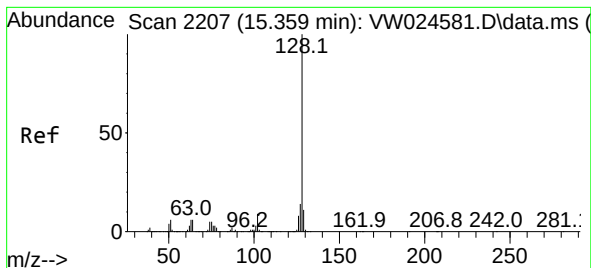
Tgt Ion:	180	Resp:	4069
Ion Ratio	Lower	Upper	
180	100		
182	97.7	72.4	108.6
184	30.8	22.8	34.2
145	34.1	26.2	39.2



#70
1,2,4-trichlorobenzene
Concen: 0.913 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion:	180	Resp:	3218
Ion Ratio	Lower	Upper	
180	100		
182	95.2	73.8	110.6
145	17.2	26.6	39.8#





#71

Naphthalene

Concen: 0.735 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06

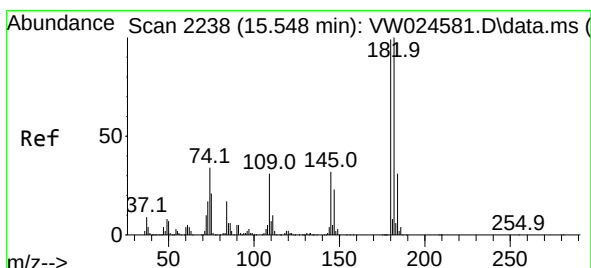
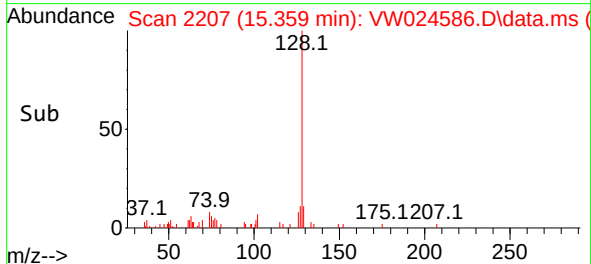
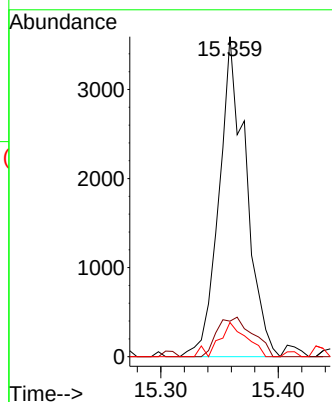
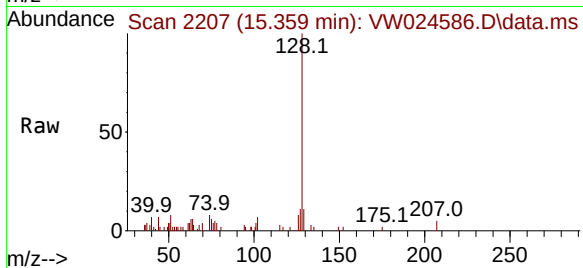
Tgt Ion:128 Resp: 5731

Ion Ratio Lower Upper

128 100

127 16.2 10.7 16.1#

129 10.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 0.882 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Tgt Ion:180 Resp: 2893

Ion Ratio Lower Upper

180 100

182 96.4 78.7 118.1

145 41.0 28.1 42.1

