

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	812	0.721	ug/L #	84
3) Chloromethane	2.166	50	152	0.043	ug/L	94
5) Vinyl chloride	2.440	62	152	0.026	ug/L	99
6) Bromomethane	2.770	94	5045	1.310	ug/L	91
8) Chloroethane	2.910	64	4385	1.365	ug/L	89
9) Trichlorofluoromethane	3.239	101	3740	1.095	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	2366	0.752	ug/L #	71
12) 1,1-Dichloroethene	4.032	96	3828	1.424	ug/L #	1
13) Acetone	4.123	43	1090	1.635	ug/L	87
14) Carbon disulfide	4.373	76	8031	1.129	ug/L #	82
15) Methyl Acetate	4.647	43	283	0.201	ug/L #	8
16) Methylene chloride	4.916	84	8018	2.285	ug/L	83
17) trans-1,2-Dichloroethene	5.428	96	2128	0.691	ug/L	87
18) Methyl tert-butyl Ether	5.428	73	4104	0.748	ug/L #	87
19) 1,1-Dichloroethane	6.214	63	6824	1.218	ug/L #	94
20) cis-1,2-Dichloroethene	7.159	96	1605	0.464	ug/L #	97
22) 2-Butanone	7.171	43	2804	2.601	ug/L	79
23) Bromochloromethane	7.513	128	1756	1.110	ug/L	93
25) Chloroform	7.677	83	7748	1.245	ug/L	100

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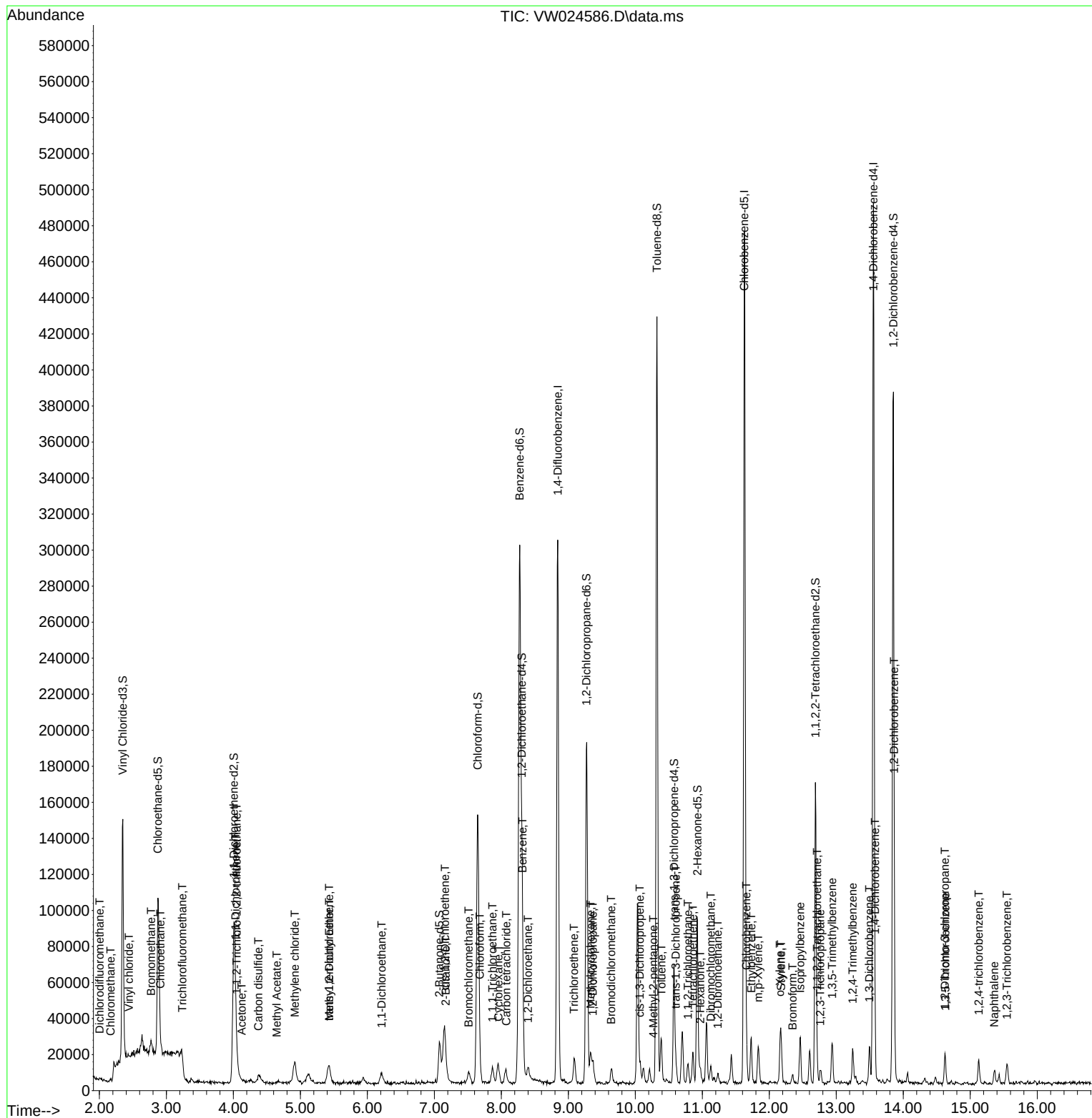
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	5487	1.311	ug/L #	86
29) Cyclohexane	7.958	56	4655	0.984	ug/L #	91
30) 1,1,1-Trichloroethane	7.866	97	5624	1.049	ug/L	92
31) Carbon tetrachloride	8.074	117	5025	1.027	ug/L	89
33) Benzene	8.317	78	15839	1.142	ug/L	100
34) 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	10.268	43	358	0.157	ug/L	98
42) Toluene	10.390	91	17311	1.132	ug/L	94
44) trans-1,3-Dichloropropene	10.604	75	7155	1.496	ug/L	97
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	3469	2.214	ug/L #	95
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	12.762	75	1977	0.852	ug/L #	74
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...	14.621	75	1452	2.645	ug/L #	4
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

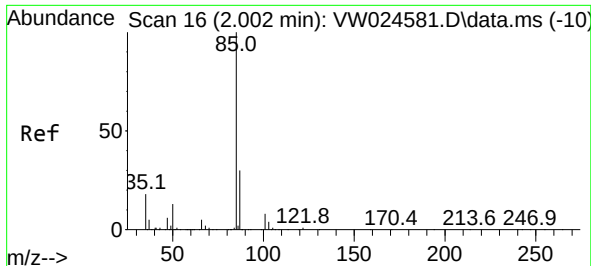
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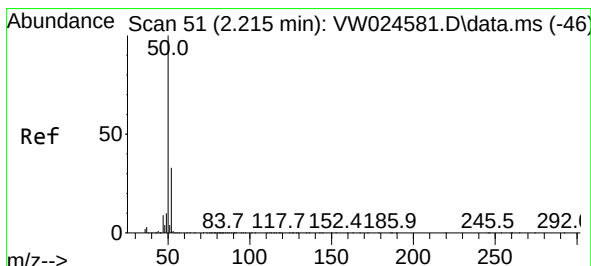
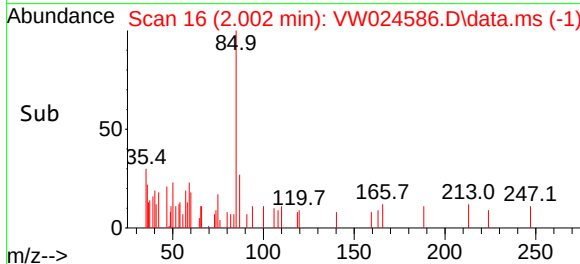
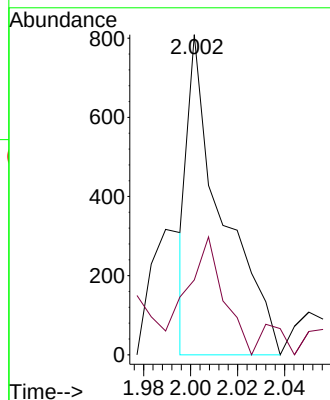
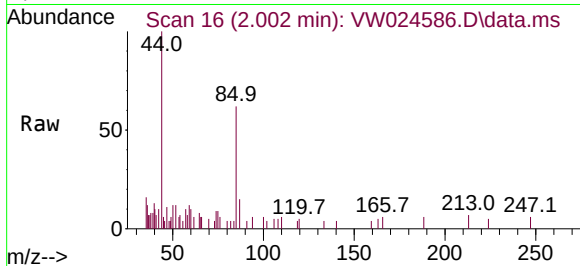




#2
 Dichlorodifluoromethane
 Concen: 0.721 ug/L
 RT: 2.002 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

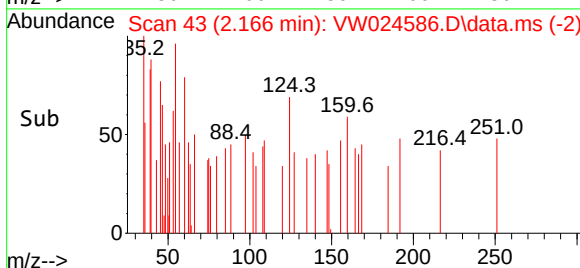
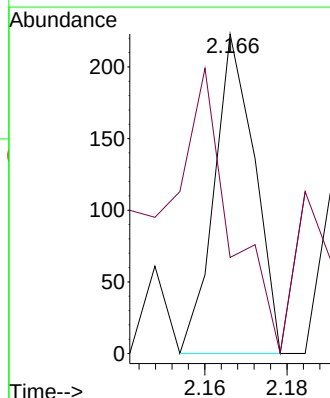
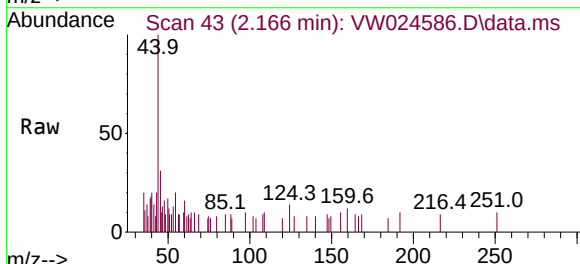
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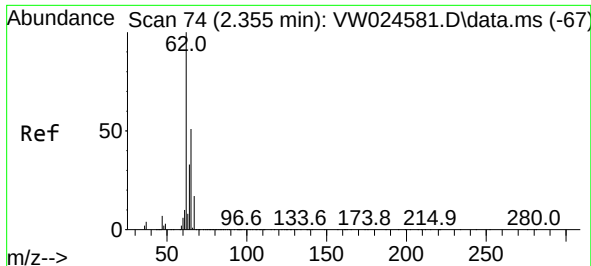
Tgt Ion: 85 Resp: 812
 Ion Ratio Lower Upper
 85 100
 87 38.9 24.2 36.2#



#3
 Chloromethane
 Concen: 0.043 ug/L
 RT: 2.166 min Scan# 43
 Delta R.T. -0.049 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

Tgt Ion: 50 Resp: 152
 Ion Ratio Lower Upper
 50 100
 52 30.0 23.3 43.3

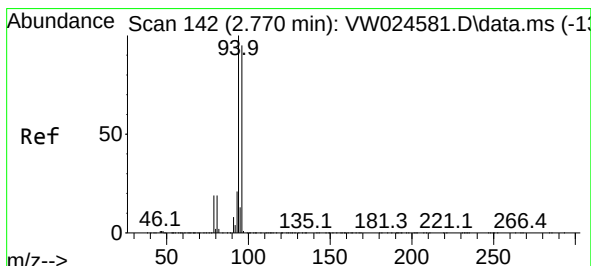
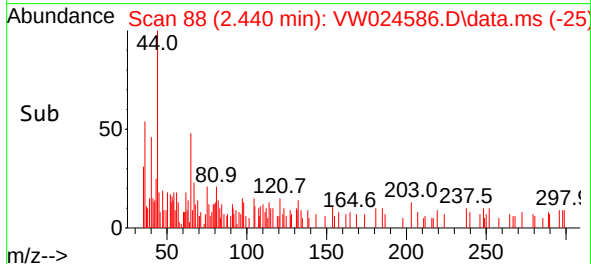
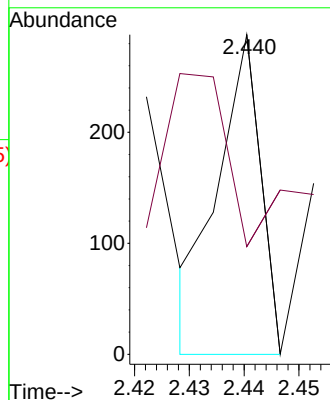
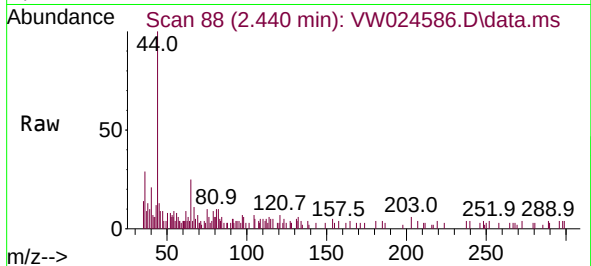




#5
 Vinyl chloride
 Concen: 0.026 ug/L
 RT: 2.440 min Scan# 81
 Delta R.T. 0.085 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

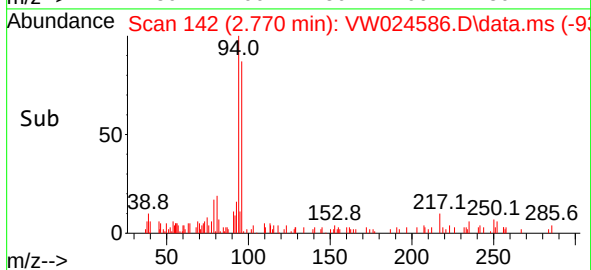
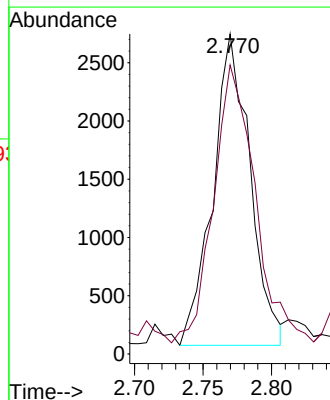
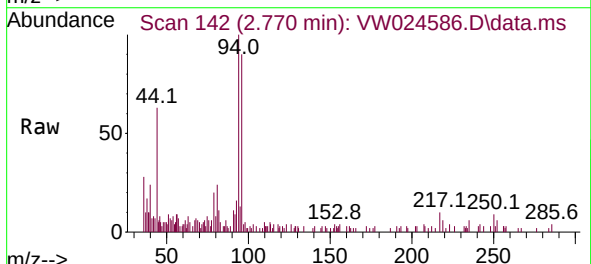
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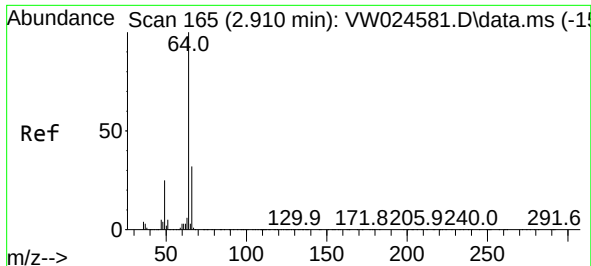
Tgt Ion: 62 Resp: 152
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.3 43.3



#6
 Bromomethane
 Concen: 1.310 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

Tgt Ion: 94 Resp: 5045
 Ion Ratio Lower Upper
 94 100
 96 90.3 69.8 129.6

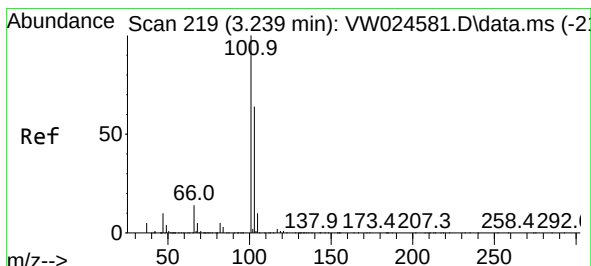
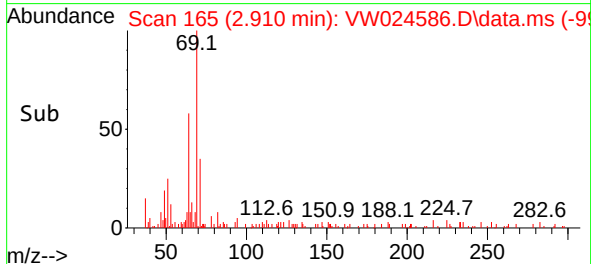
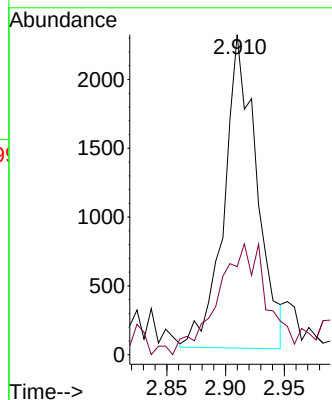
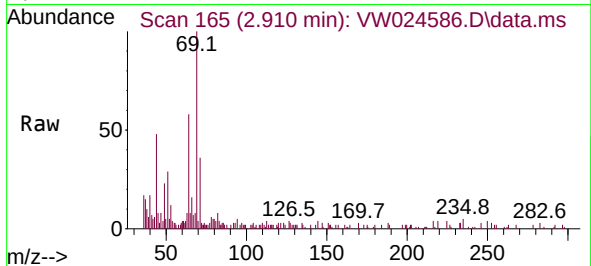




#8
Chloroethane
Concen: 1.365 ug/L
RT: 2.910 min Scan# 165
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

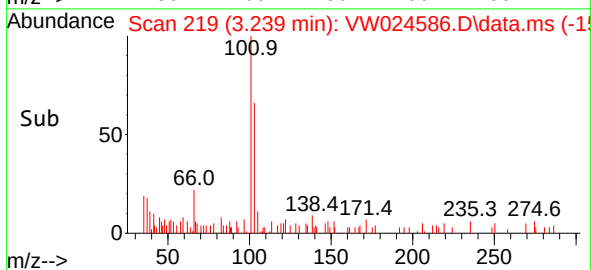
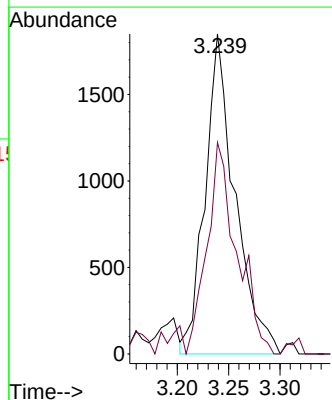
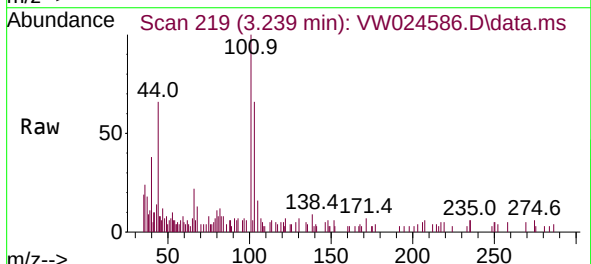
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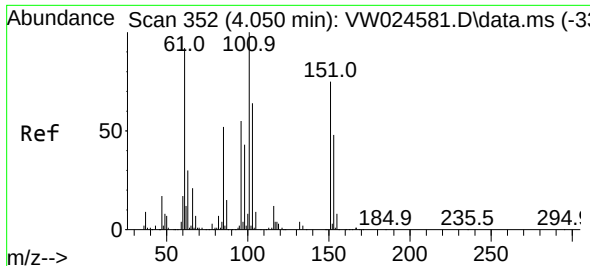
Tgt Ion: 64 Resp: 4385
Ion Ratio Lower Upper
64 100
66 27.5 23.7 44.1



#9
Trichlorofluoromethane
Concen: 1.095 ug/L
RT: 3.239 min Scan# 219
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 101 Resp: 3740
Ion Ratio Lower Upper
101 100
103 56.9 52.5 78.7

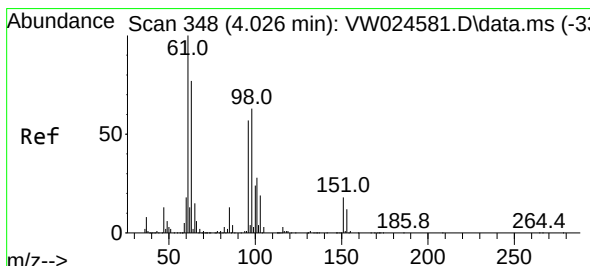
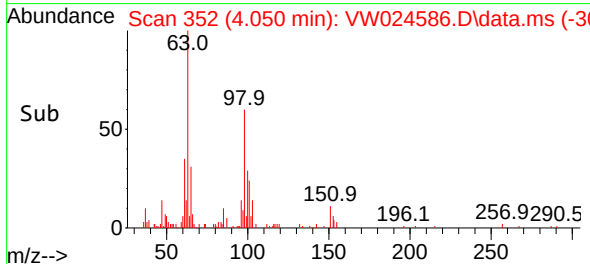
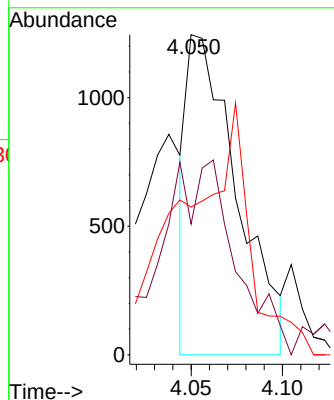
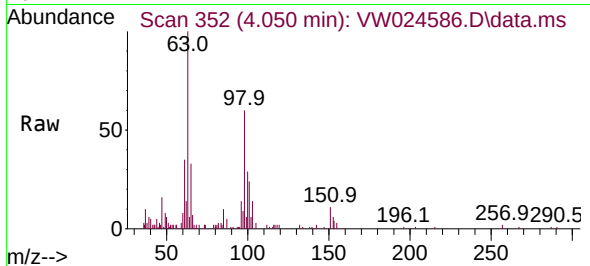




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.752 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: VW024586.D
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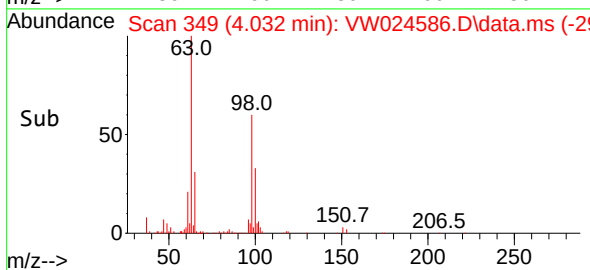
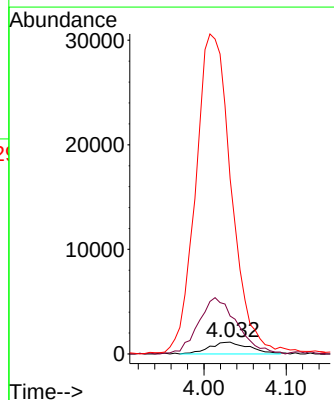
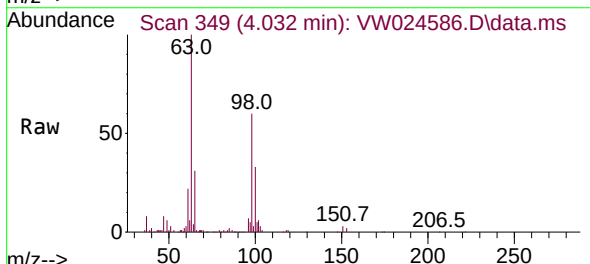
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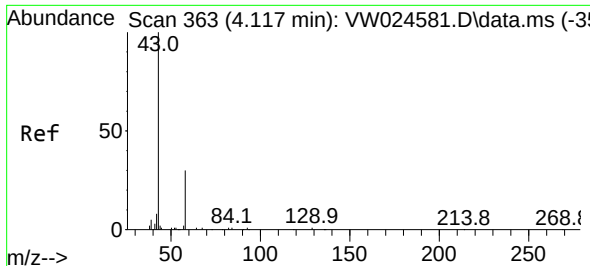
Tgt Ion: 101 Resp: 2366
 Ion Ratio Lower Upper
 101 100
 85 43.0 21.8 32.8#
 151 44.2 53.9 80.9#



#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
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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#

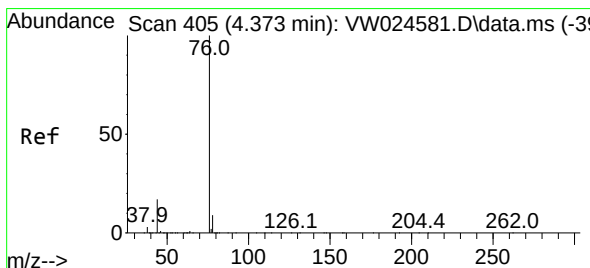
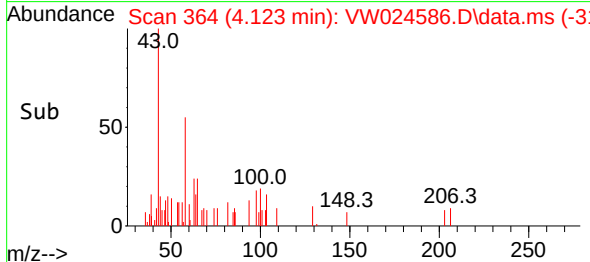
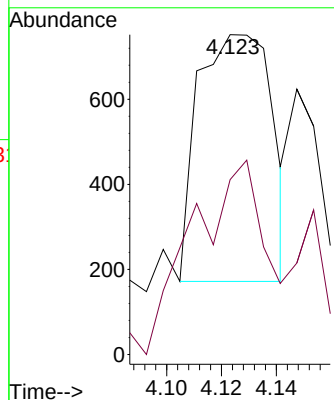
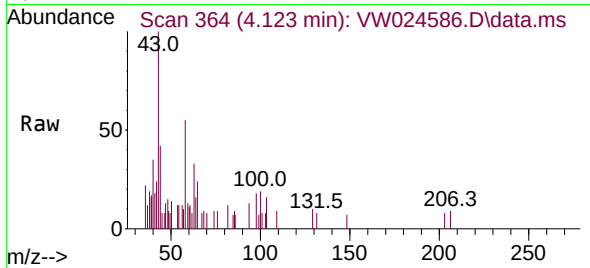




#13
Acetone
Concen: 1.635 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW024586.D
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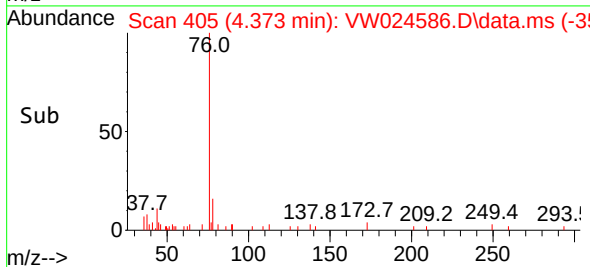
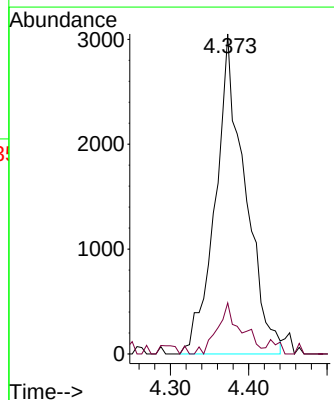
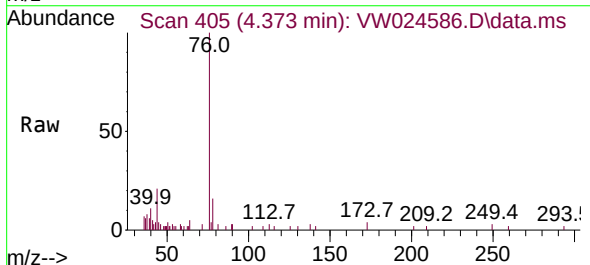
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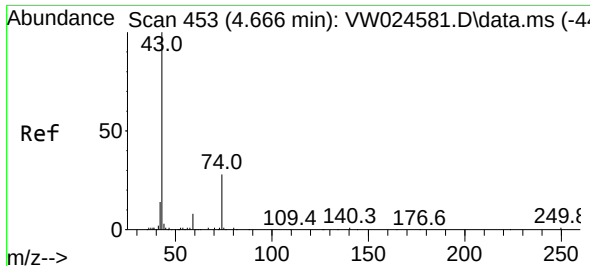
Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 36.1 0.0 57.8



#14
Carbon disulfide
Concen: 1.129 ug/L
RT: 4.373 min Scan# 405
Delta R.T. 0.000 min
Lab File: VW024586.D
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Tgt Ion: 76 Resp: 8031
Ion Ratio Lower Upper
76 100
78 15.9 7.5 11.3#

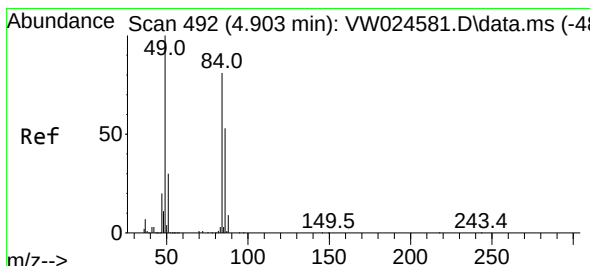
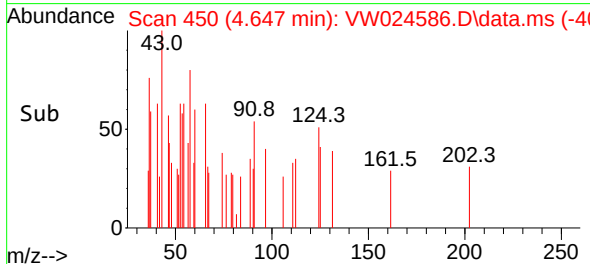
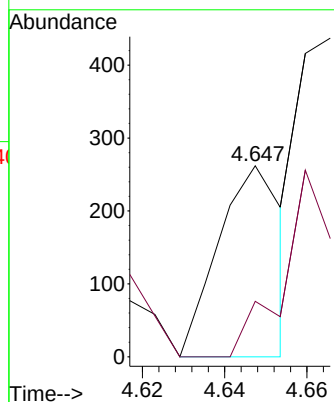
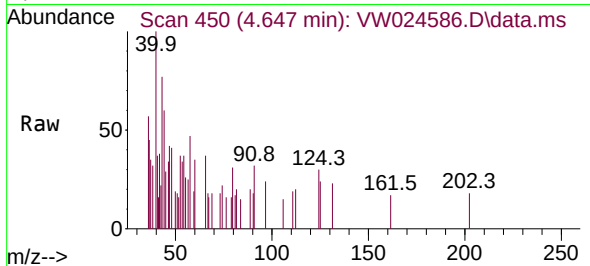




#15
Methyl Acetate
Concen: 0.201 ug/L
RT: 4.647 min Scan# 41
Delta R.T. -0.018 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

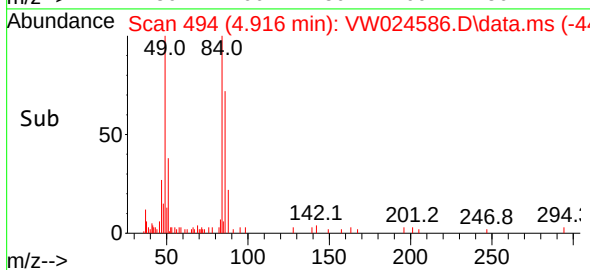
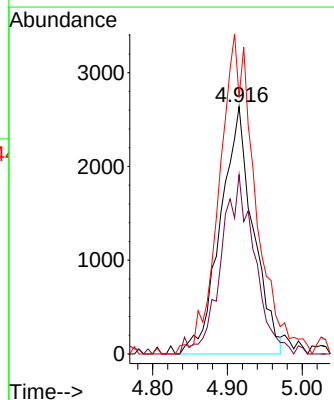
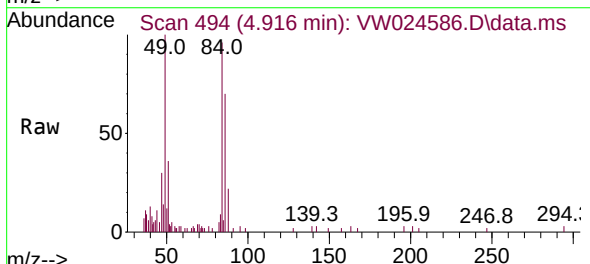
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

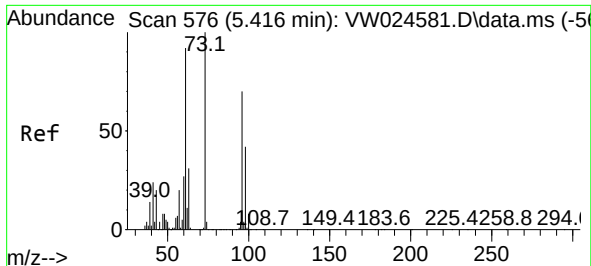
Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
74 71.0 19.9 29.9#



#16
Methylene chloride
Concen: 2.285 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.012 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 84 Resp: 8018
Ion Ratio Lower Upper
84 100
86 72.4 44.4 82.5
49 103.7 88.5 164.3

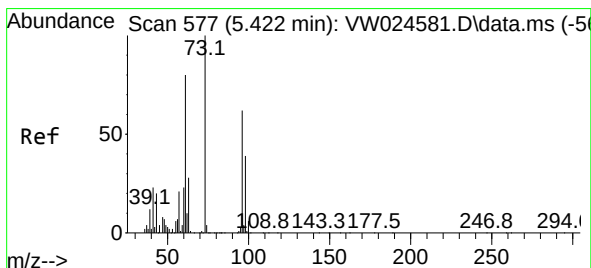
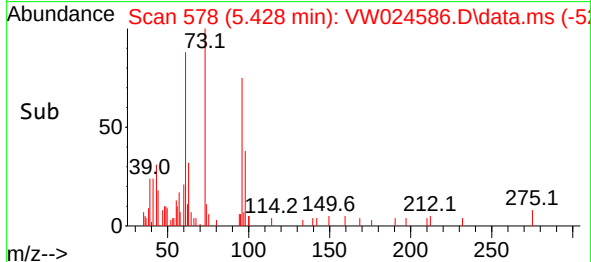
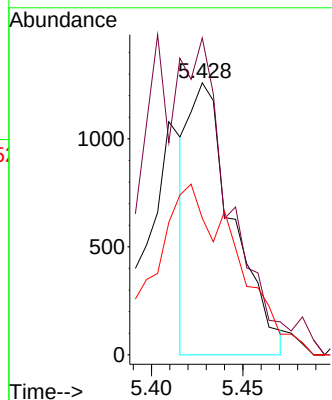
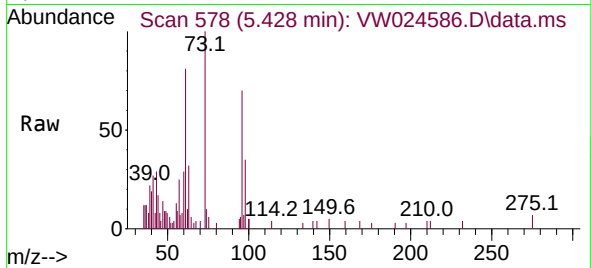




#17
trans-1,2-Dichloroethene
Concen: 0.691 ug/L
RT: 5.428 min Scan# 576
Delta R.T. 0.012 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

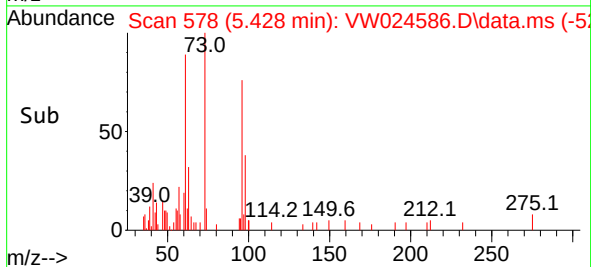
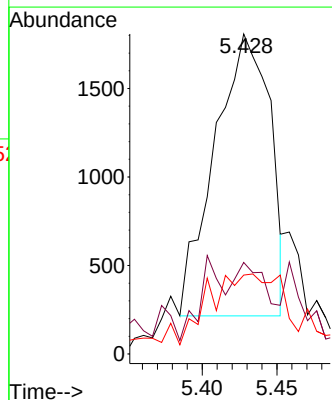
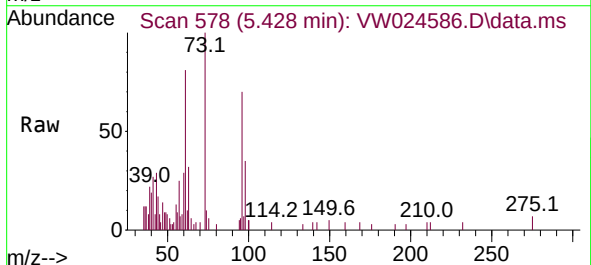
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

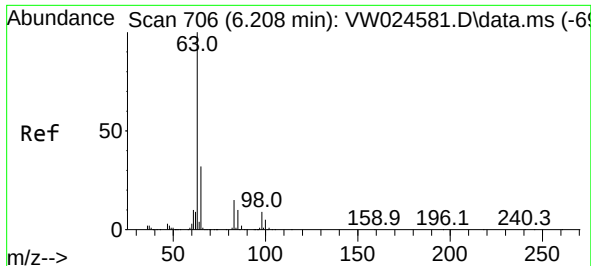
Tgt Ion: 96 Resp: 2128
Ion Ratio Lower Upper
96 100
61 116.5 91.7 170.3
98 50.2 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 0.748 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 73 Resp: 4104
Ion Ratio Lower Upper
73 100
43 20.0 16.7 25.1
57 9.5 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 1.218 ug/L

RT: 6.214 min Scan# 706

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

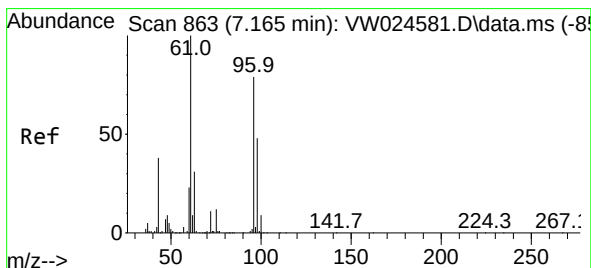
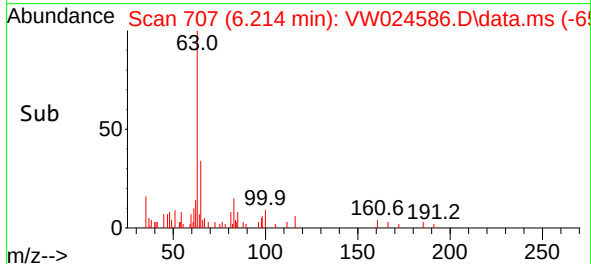
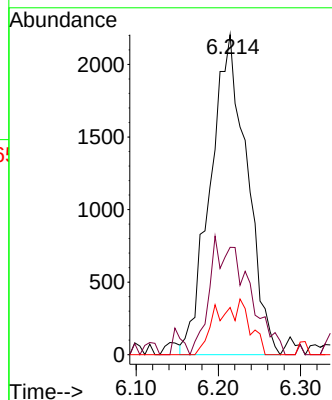
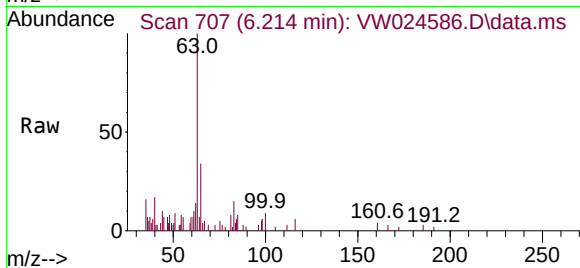
Tgt Ion: 63 Resp: 6824

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: 0.464 ug/L

RT: 7.159 min Scan# 862

Delta R.T. -0.006 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

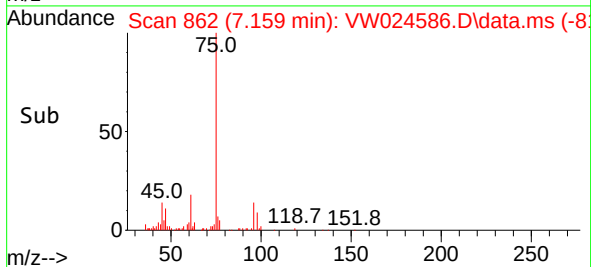
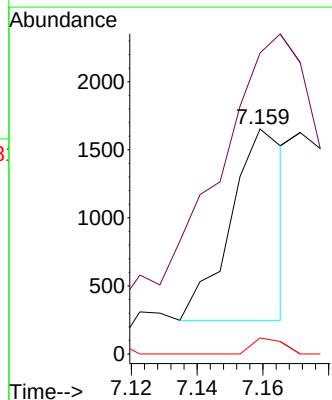
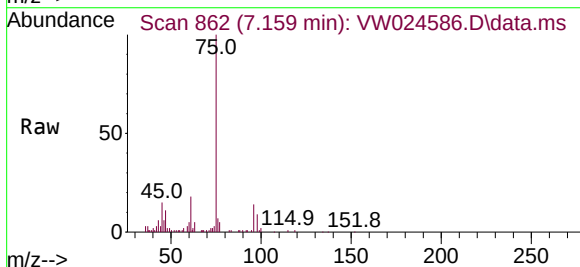
Tgt Ion: 96 Resp: 1605

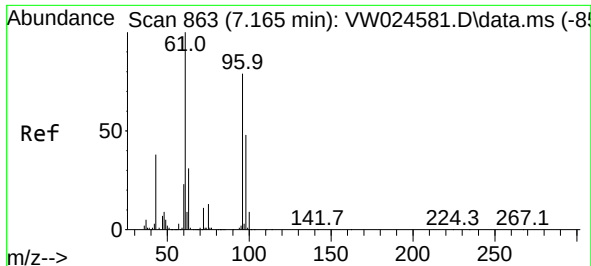
Ion Ratio Lower Upper

96 100

61 133.8 91.2 169.4

68 7.1 0.0 0.0#

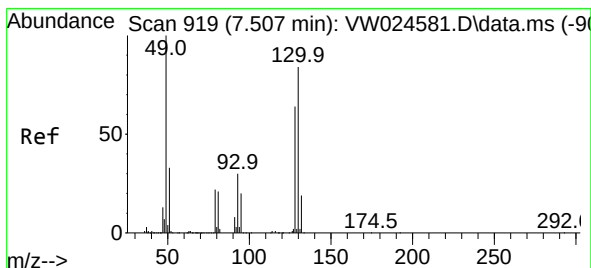
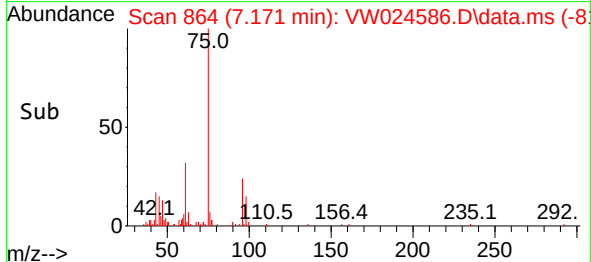
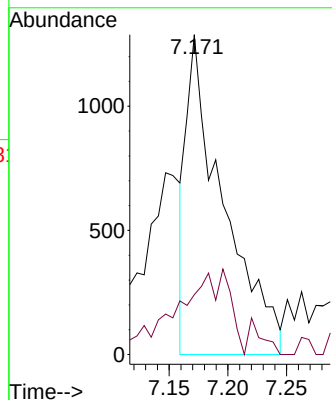
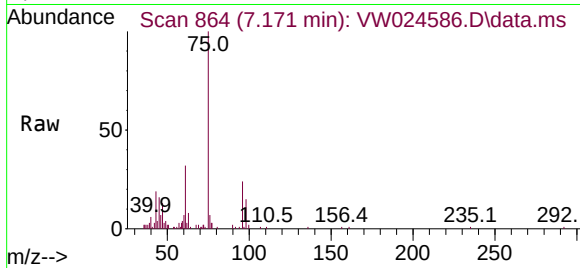




#22
2-Butanone
Concen: 2.601 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

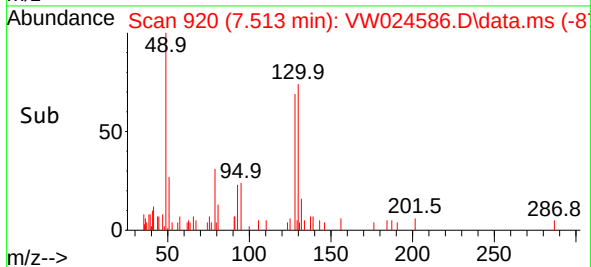
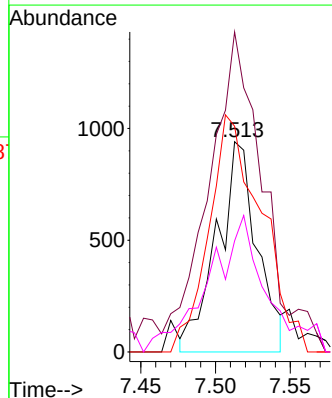
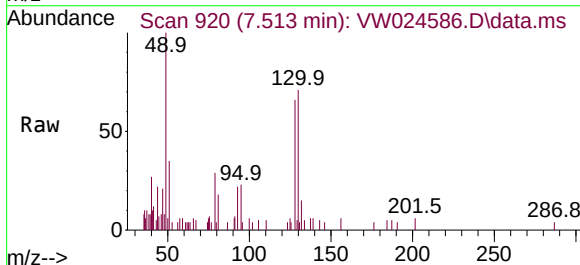
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

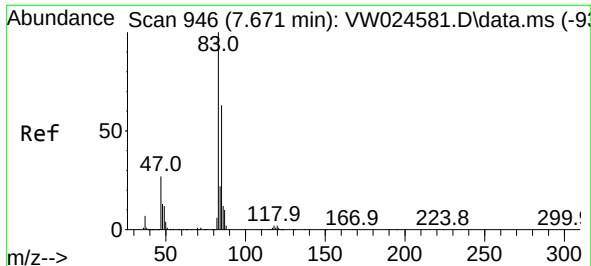
Tgt Ion: 43 Resp: 2804
Ion Ratio Lower Upper
43 100
72 19.3 15.4 46.4



#23
Bromochloromethane
Concen: 1.110 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion:128 Resp: 1756
Ion Ratio Lower Upper
128 100
49 152.2 110.0 204.2
130 113.5 88.3 163.9
51 52.8 39.2 58.8

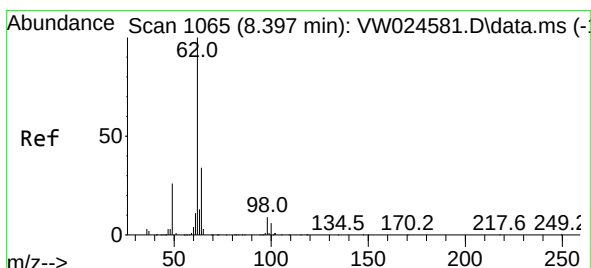
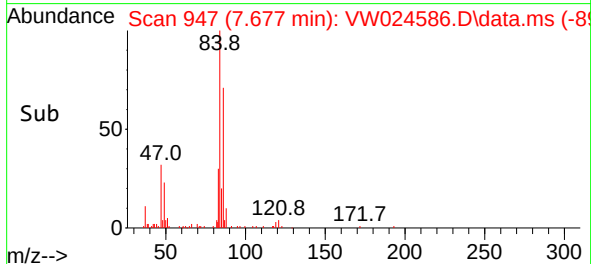
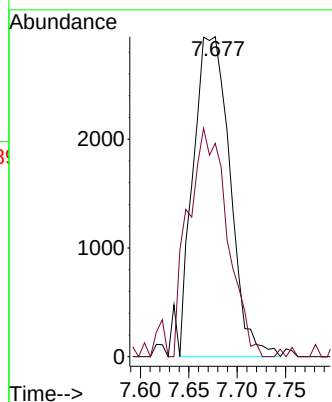
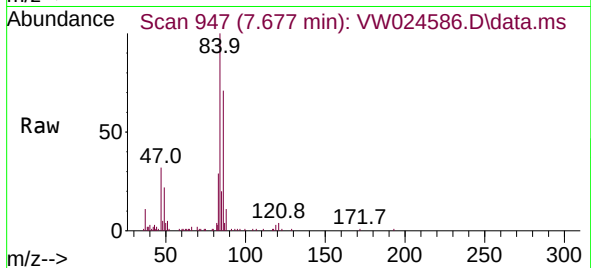




#25
Chloroform
Concen: 1.245 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

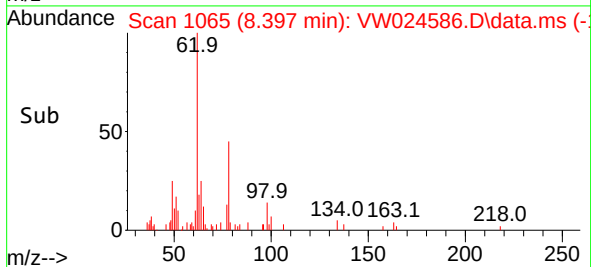
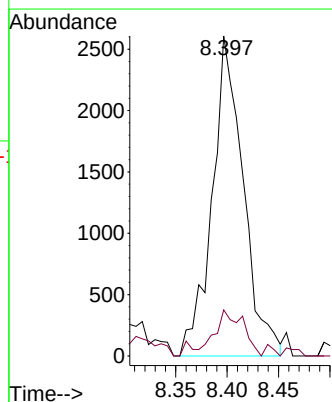
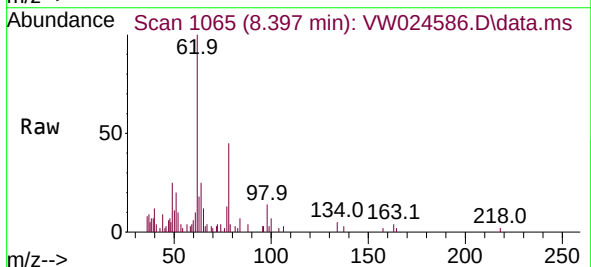
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

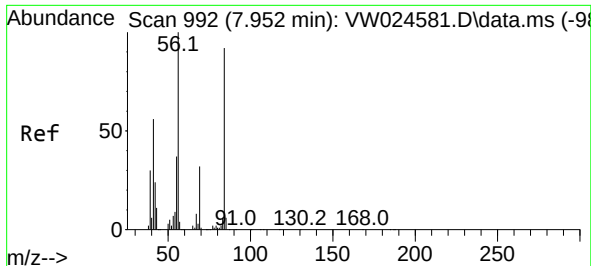
Tgt Ion: 83 Resp: 7748
Ion Ratio Lower Upper
83 100
85 66.7 46.4 86.2



#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

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# 992

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

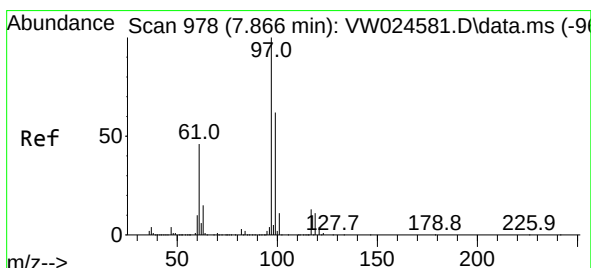
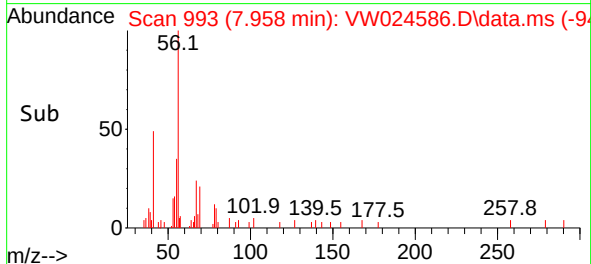
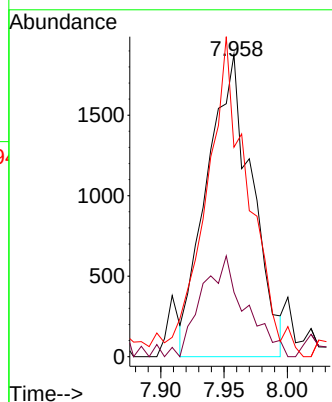
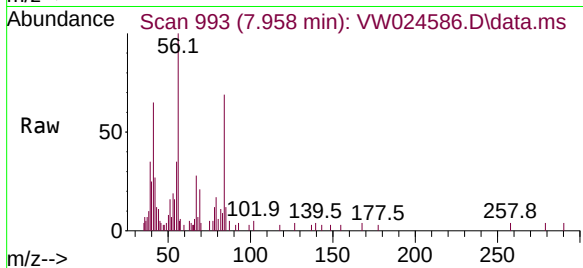
Tgt Ion: 56 Resp: 4655

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# 978

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

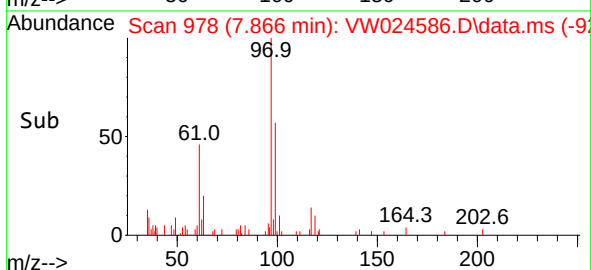
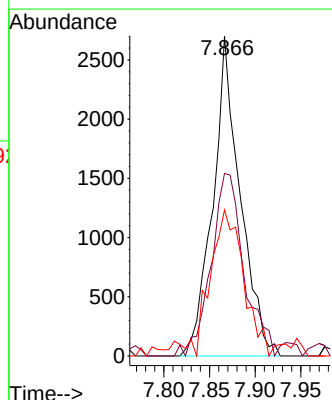
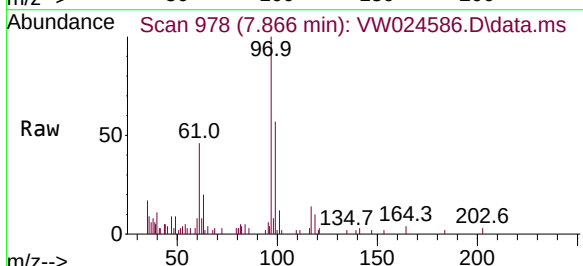
Tgt Ion: 97 Resp: 5624

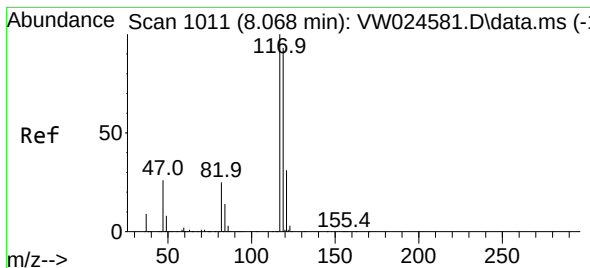
Ion Ratio Lower Upper

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

Instrument :

MSVOA_W

ClientSampleId :

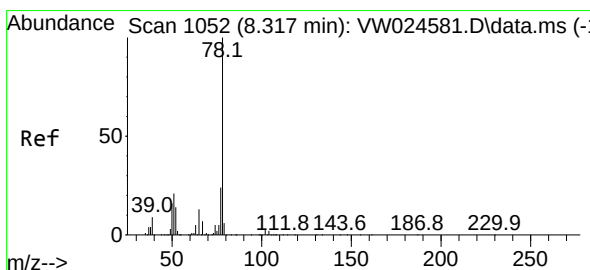
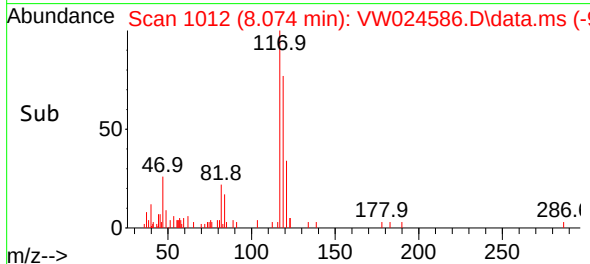
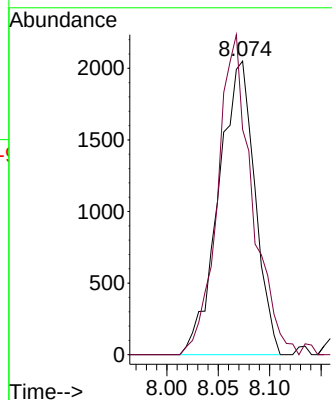
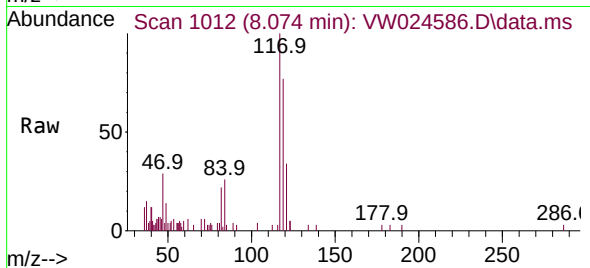
MDL-SOIL-QT3-2022-06

Tgt Ion:117 Resp: 5025

Ion Ratio Lower Upper

117 100

119 103.5 74.4 111.6



#33

Benzene

Concen: 1.142 ug/L

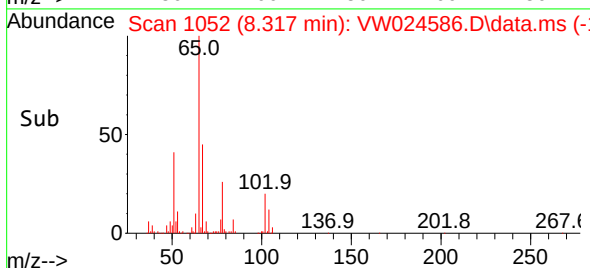
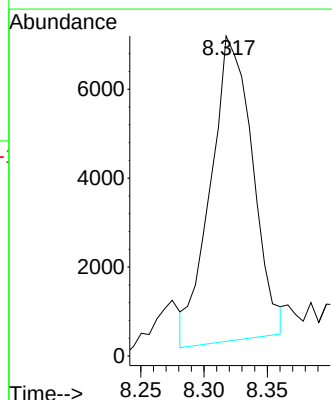
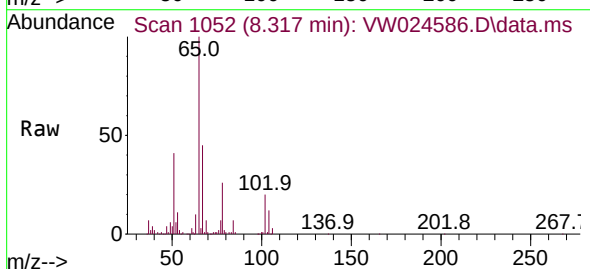
RT: 8.317 min Scan# 1052

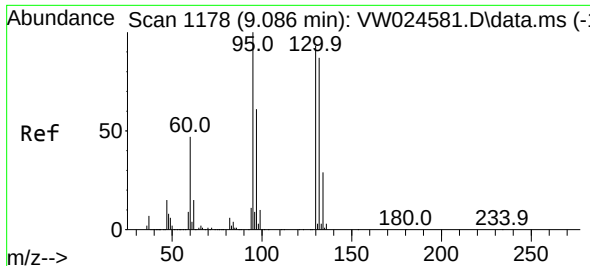
Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Tgt Ion: 78 Resp: 15839

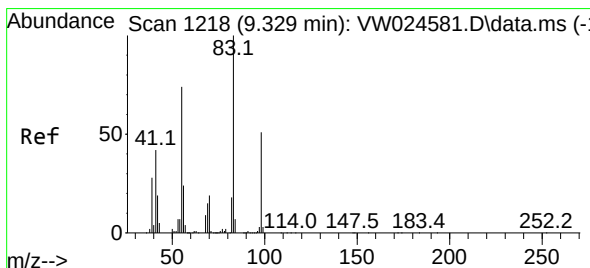
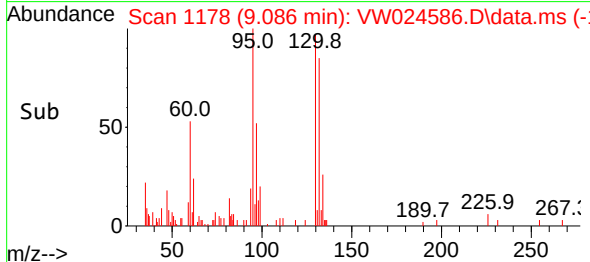
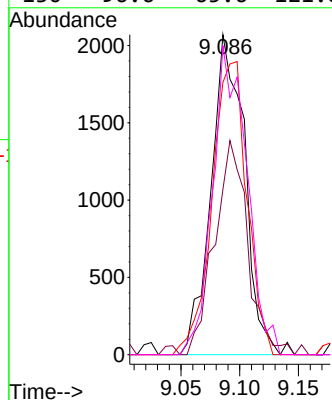
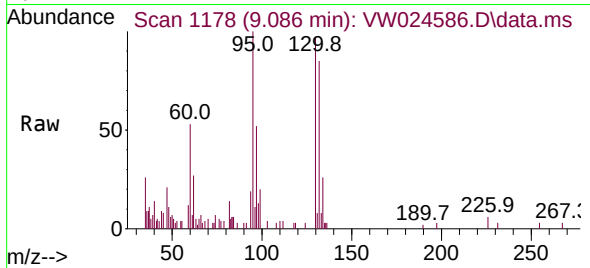




#34
Trichloroethene
Concen: 1.129 ug/L
RT: 9.086 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

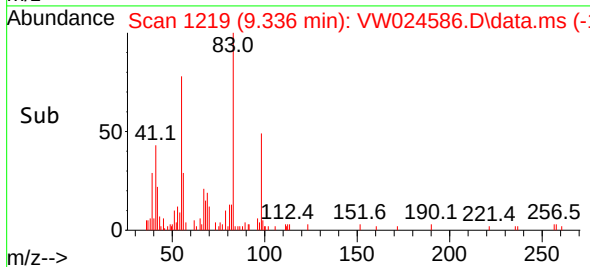
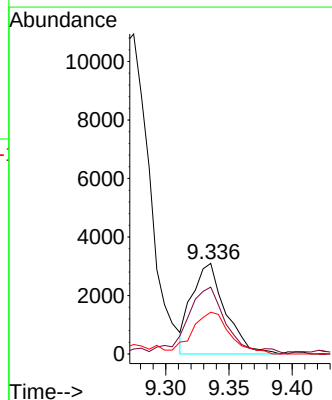
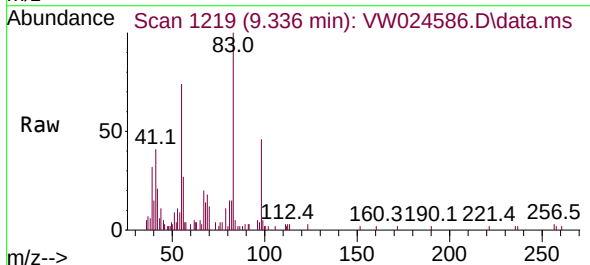
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

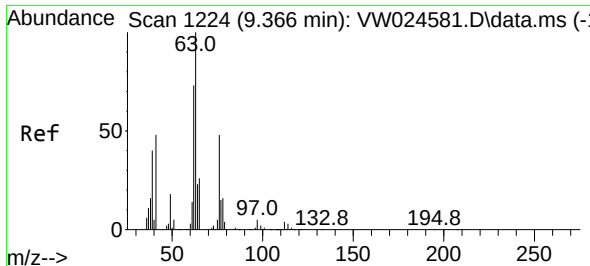
Tgt Ion:	95	Resp:	4090
Ion	Ratio	Lower	Upper
95	100		
97	51.6	45.9	85.3
132	85.1	62.6	116.2
130	96.6	65.6	121.8



#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

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

Instrument :

MSVOA_W

ClientSampleId :

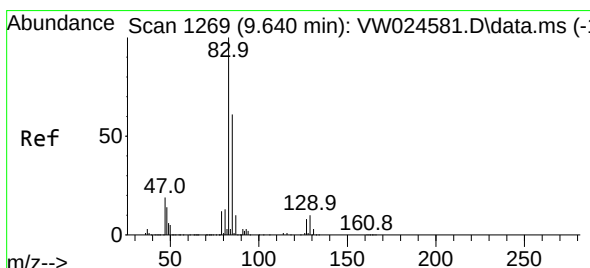
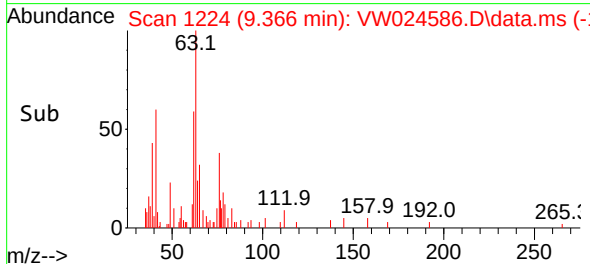
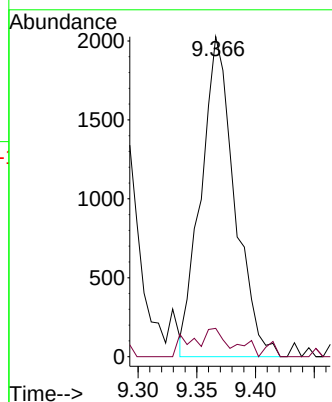
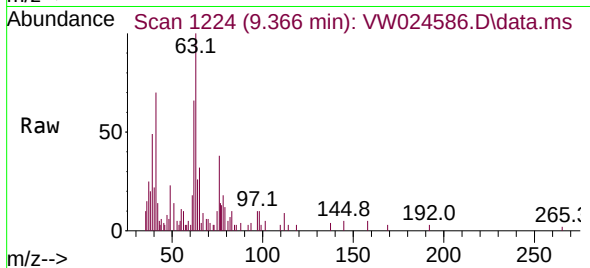
MDL-SOIL-QT3-2022-06

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# 1269

Delta R.T. 0.000 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

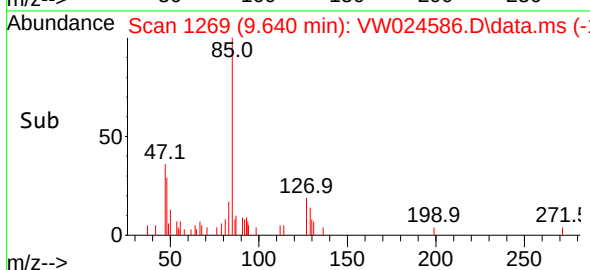
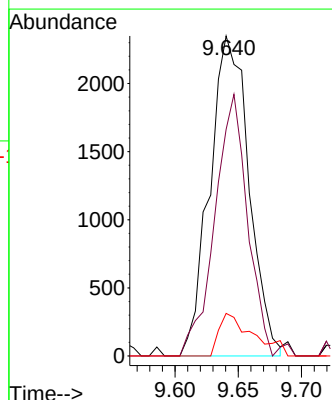
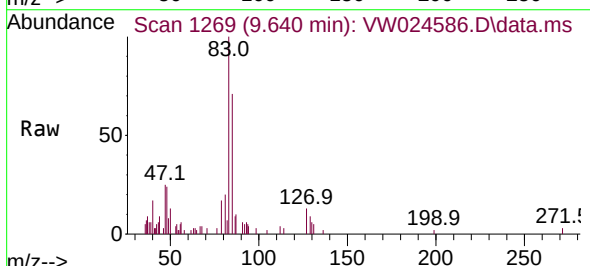
Tgt Ion: 83 Resp: 5072

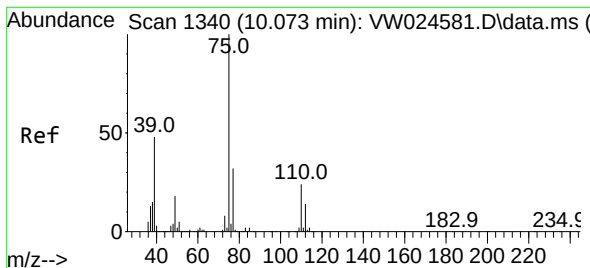
Ion Ratio Lower Upper

83 100

85 70.8 45.1 83.9

127 13.3 7.3 10.9#

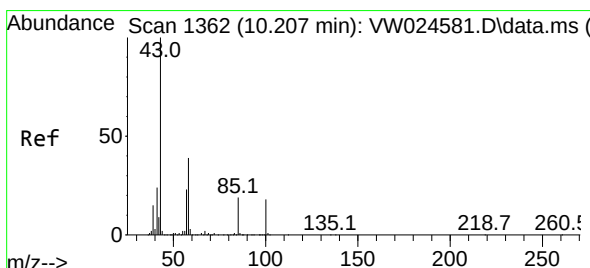
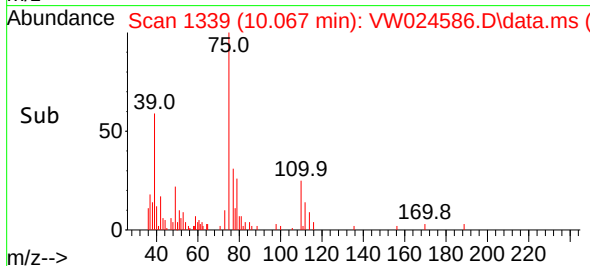
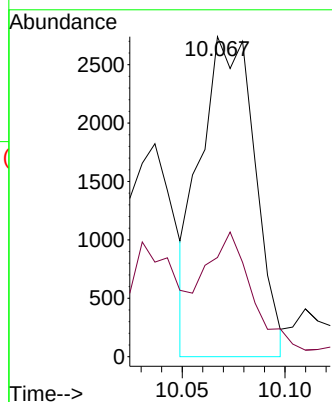
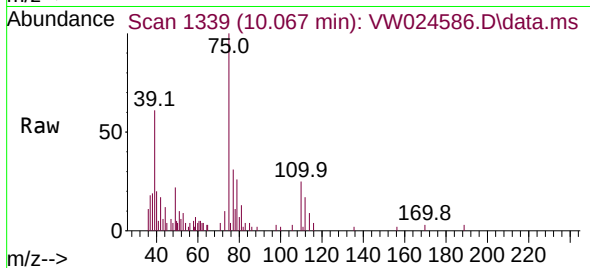




#39
 cis-1,3-Dichloropropene
 Concen: 0.999 ug/L
 RT: 10.067 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

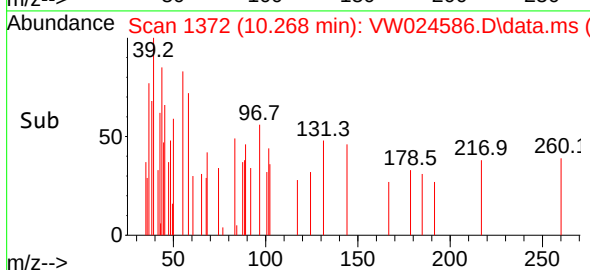
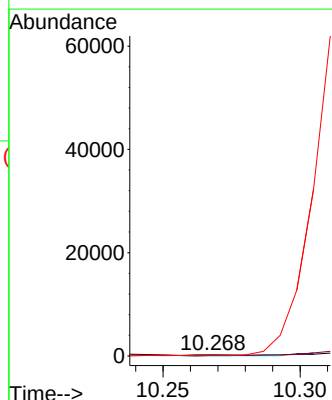
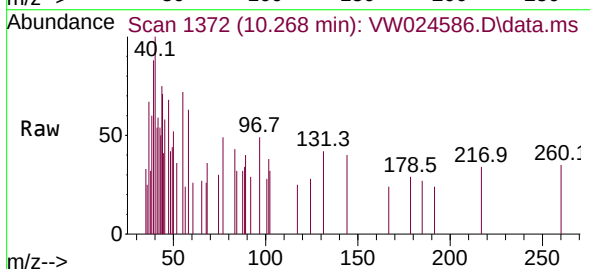
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2022-06

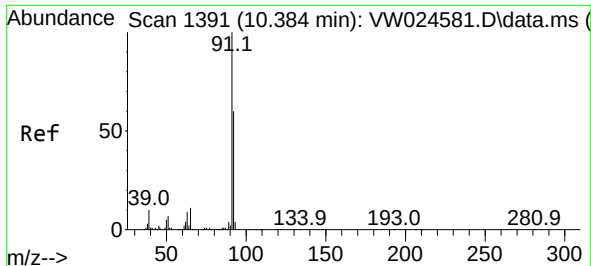
Tgt Ion: 75 Resp: 5059
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 0.157 ug/L
 RT: 10.268 min Scan# 1372
 Delta R.T. 0.061 min
 Lab File: VW024586.D
 Acq: 08 Sep 2022 12:58

Tgt Ion: 43 Resp: 358
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3
 100 14.8 13.3 19.9

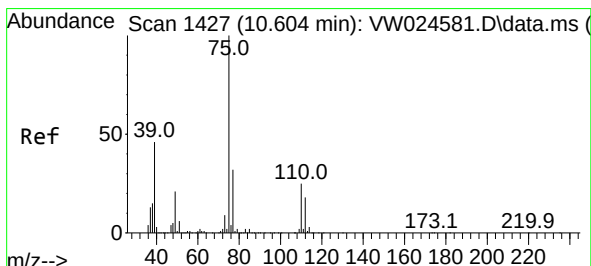
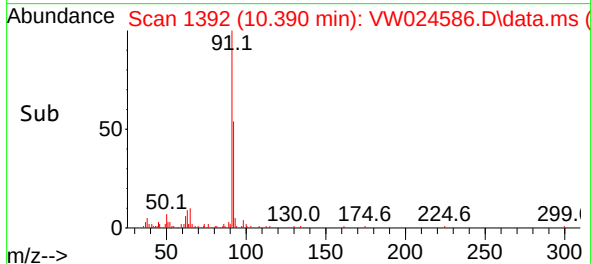
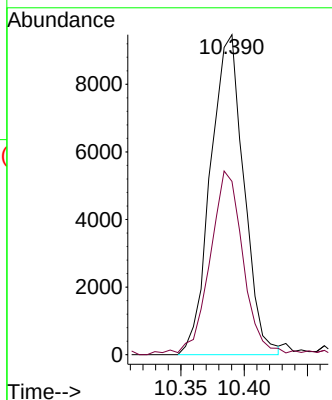
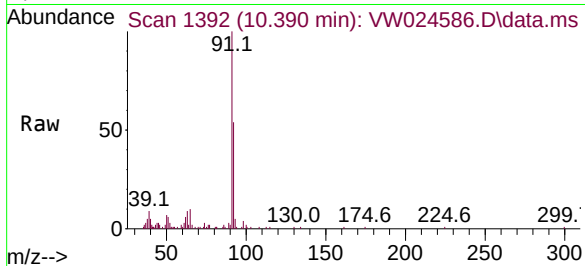




#42
Toluene
Concen: 1.132 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

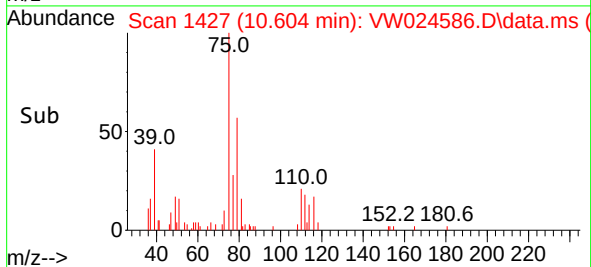
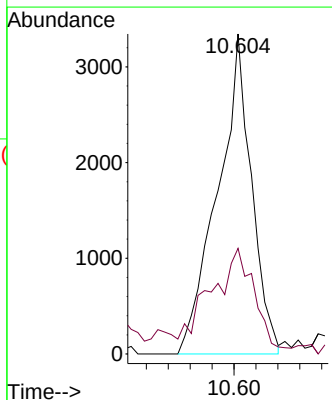
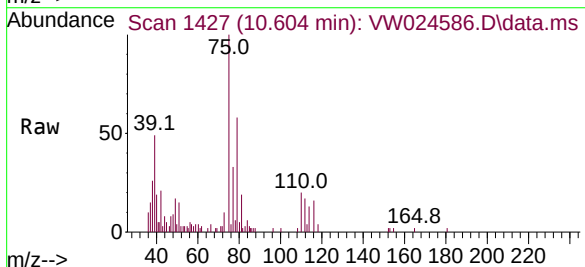
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

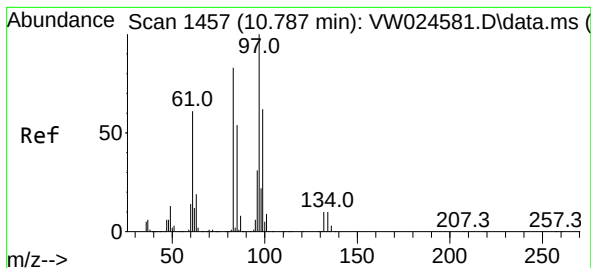
Tgt Ion: 91 Resp: 17311
Ion Ratio Lower Upper
91 100
92 54.2 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 1.496 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion: 75 Resp: 7155
Ion Ratio Lower Upper
75 100
77 33.0 21.8 40.4

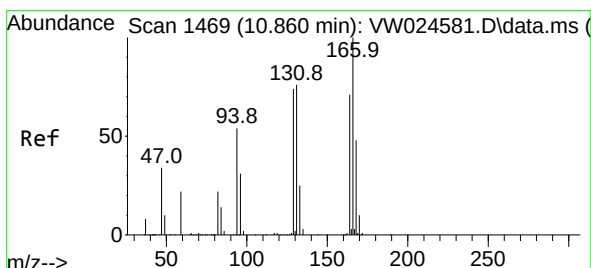
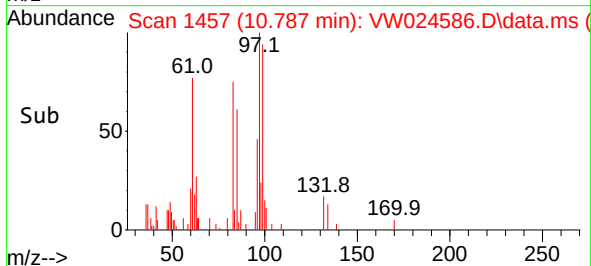
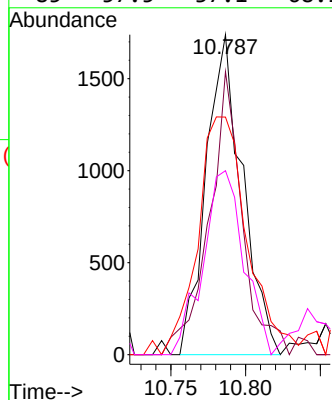
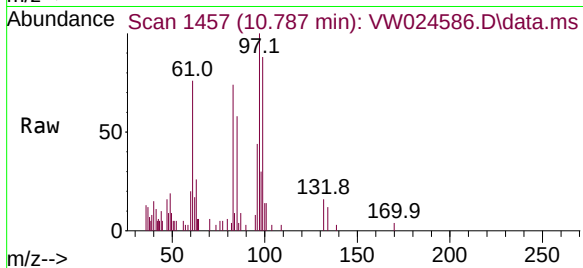




#45
1,1,2-Trichloroethane
Concen: 1.019 ug/L
RT: 10.787 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

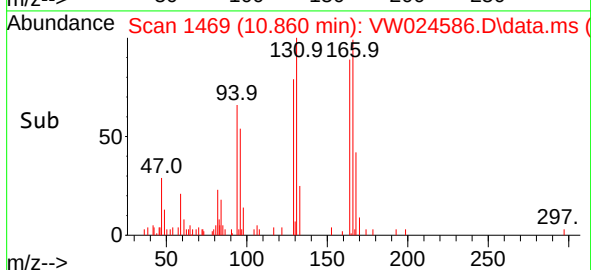
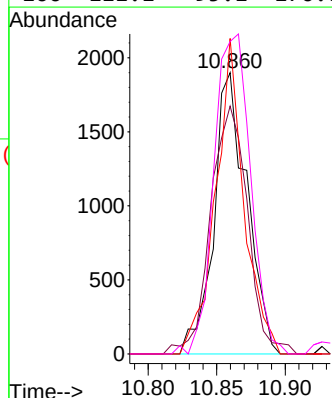
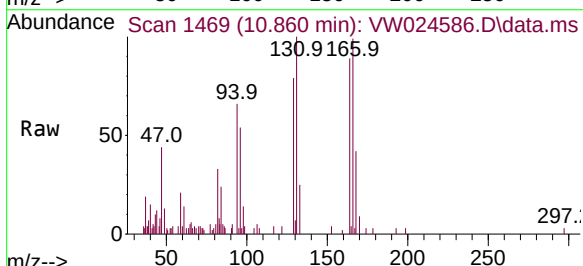
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

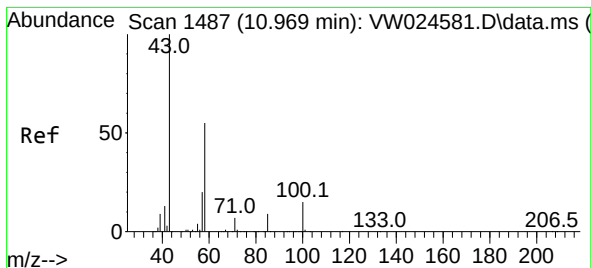
Tgt Ion:	97	Resp:	2949
Ion	Ratio	Lower	Upper
97	100		
99	88.4	41.9	77.9#
83	83.3	58.2	108.0
85	57.5	37.1	68.9



#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: 2.214 ug/L

RT: 10.969 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VW024586.D

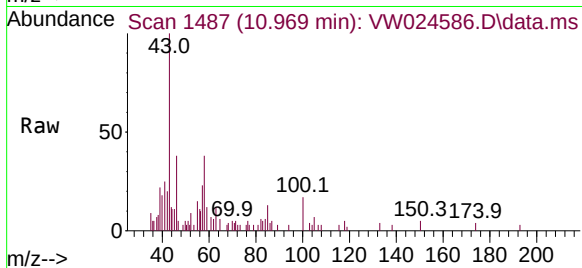
Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06



Tgt Ion: 43 Resp: 3469

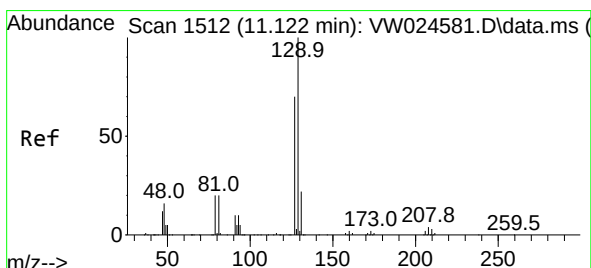
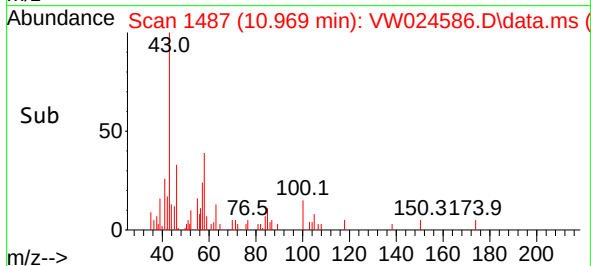
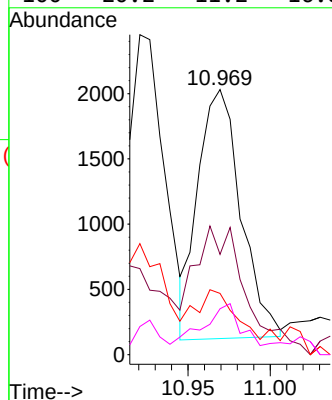
Ion Ratio Lower Upper

43 100

58 57.4 43.7 65.5

57 18.0 15.3 22.9

100 20.2 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

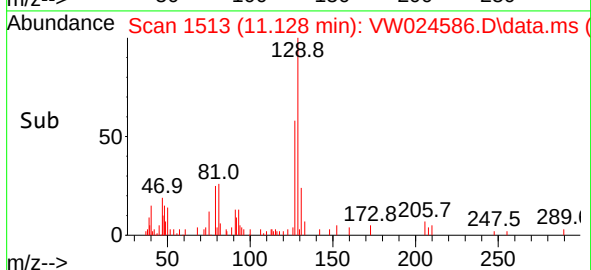
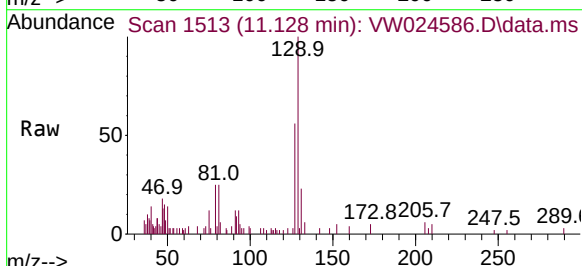
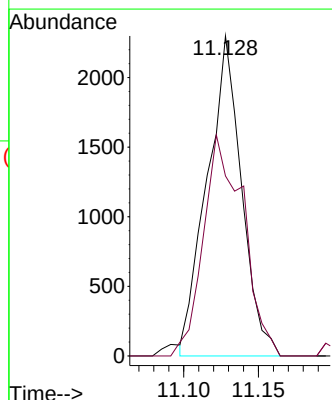
Acq: 08 Sep 2022 12:58

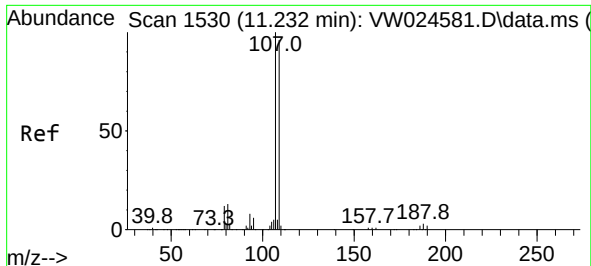
Tgt Ion: 129 Resp: 3679

Ion Ratio Lower Upper

129 100

127 56.2 56.1 104.1

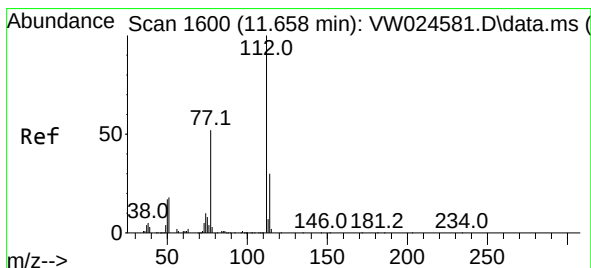
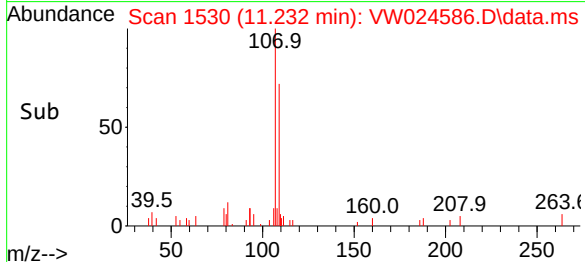
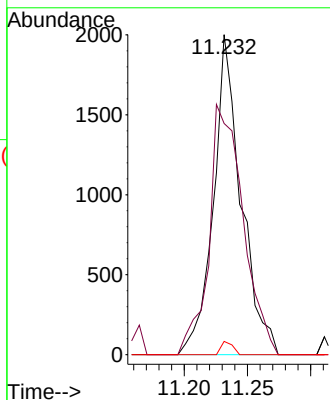
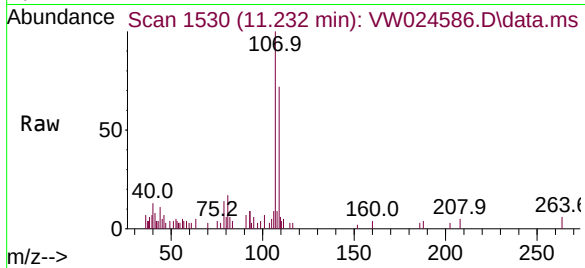




#50
1,2-Dibromoethane
Concen: 1.080 ug/L
RT: 11.232 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

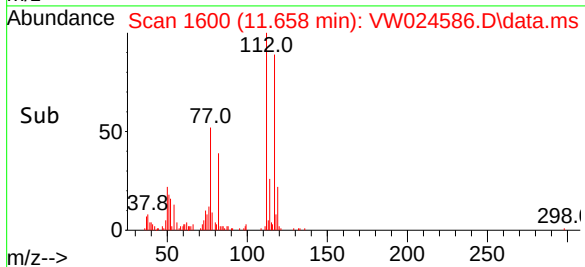
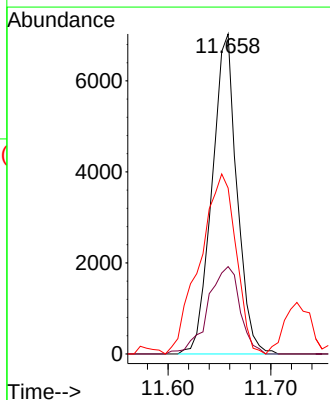
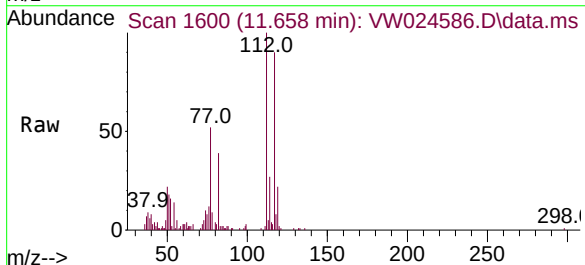
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2022-06

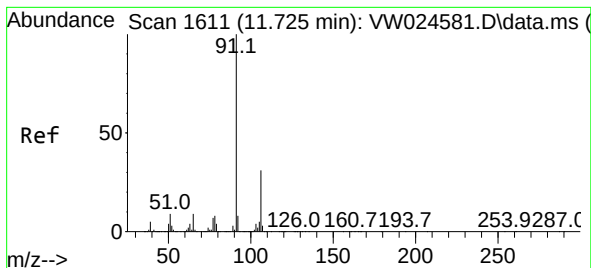
Tgt Ion:	107	Resp:	3036
Ion	Ratio	Lower	Upper
107	100		
109	78.4	64.5	119.9
188	4.1	3.0	4.4



#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# 1

Delta R.T. 0.006 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

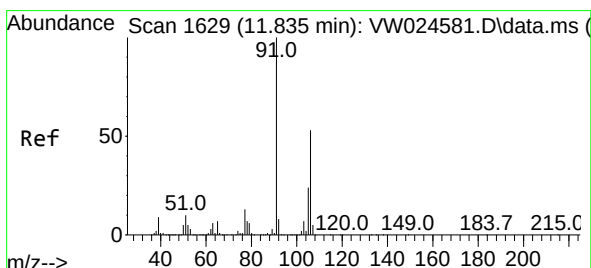
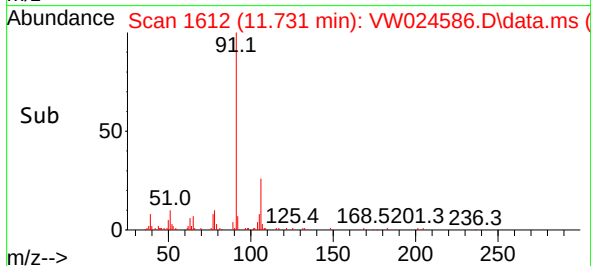
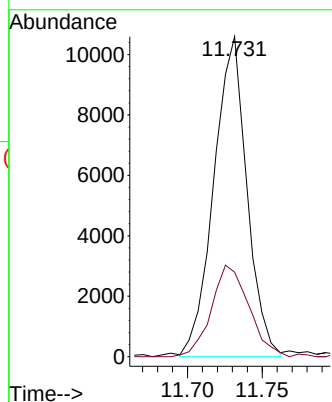
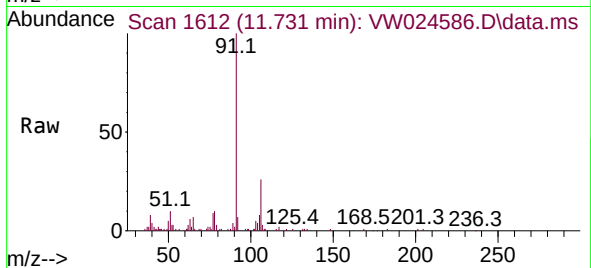
MDL-SOIL-QT3-2022-06

Tgt Ion: 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

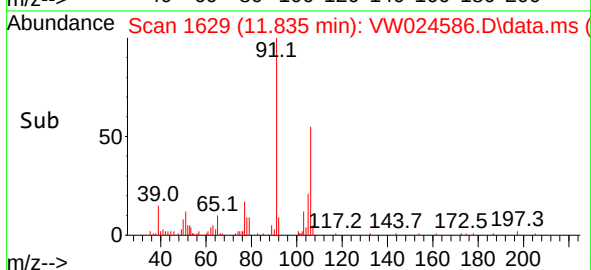
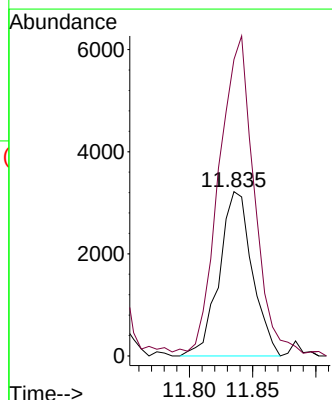
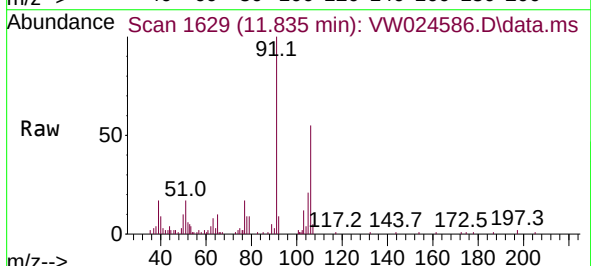
Acq: 08 Sep 2022 12:58

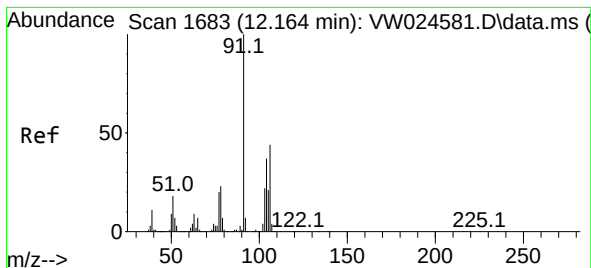
Tgt Ion: 106 Resp: 5841

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 :

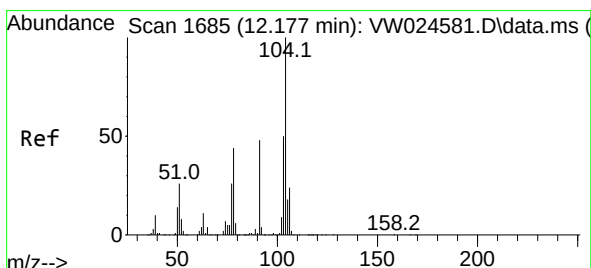
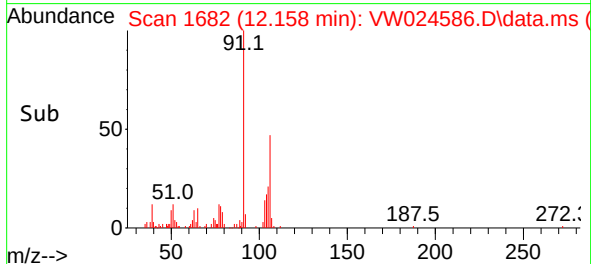
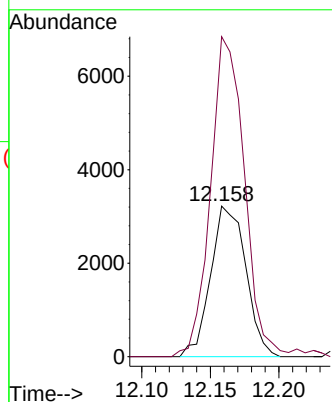
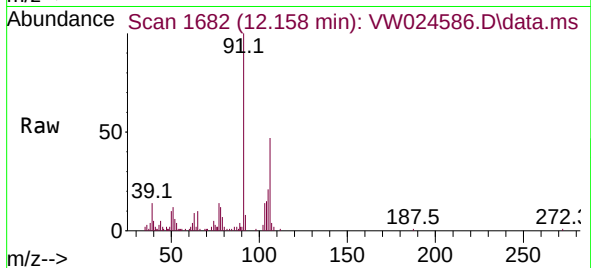
MDL-SOIL-QT3-2022-06

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

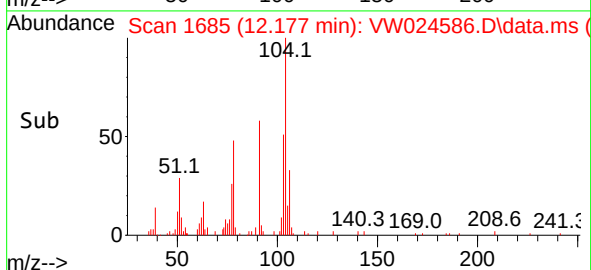
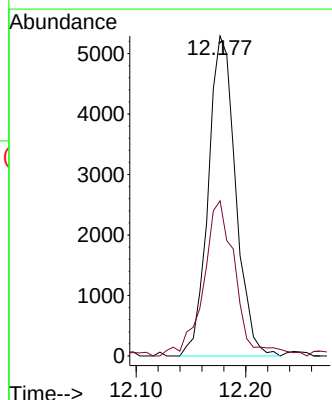
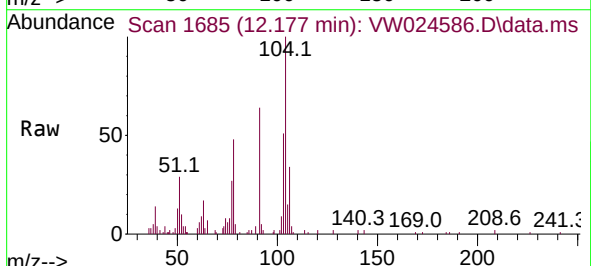
Acq: 08 Sep 2022 12:58

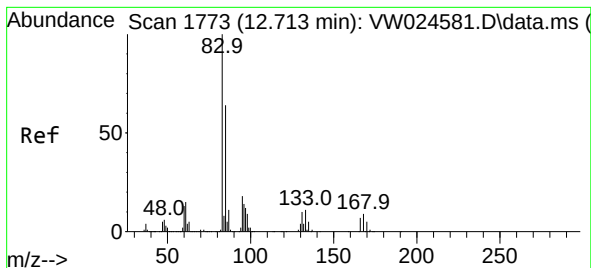
Tgt Ion:104 Resp: 9170

Ion Ratio Lower Upper

104 100

78 48.5 33.0 61.4

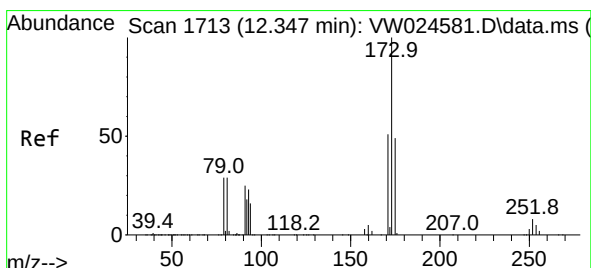
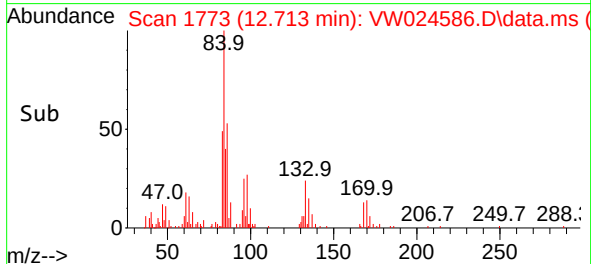
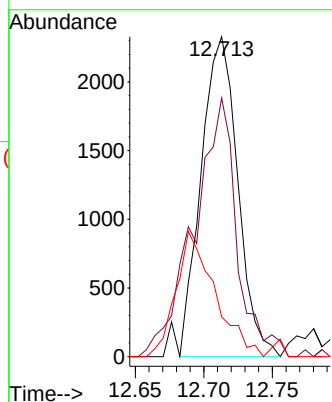
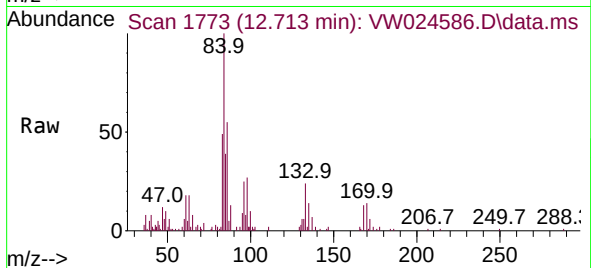




#57
1,1,2,2-Tetrachloroethane
Concen: 1.185 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

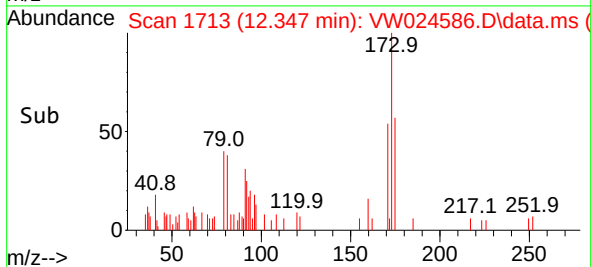
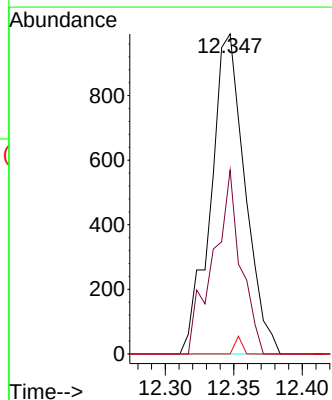
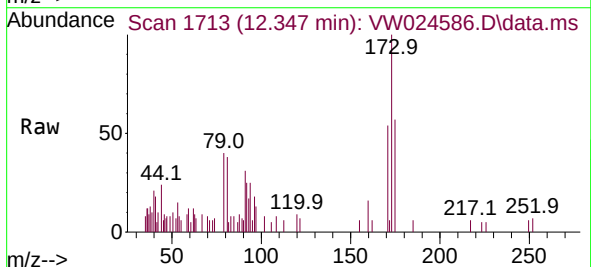
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

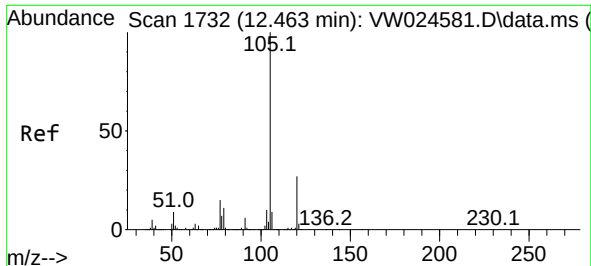
Tgt Ion:	83	Resp:	4342
Ion Ratio	Lower	Upper	
83	100		
85	80.9	45.6	84.8
131	12.5	9.0	13.4



#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#

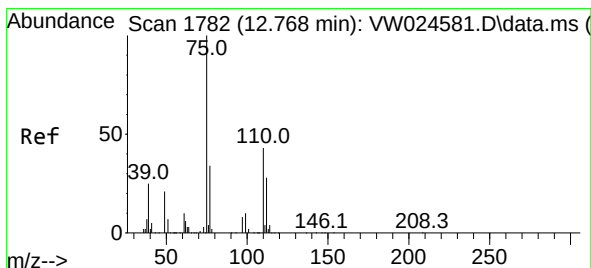
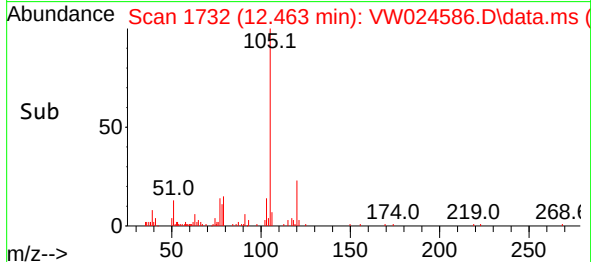
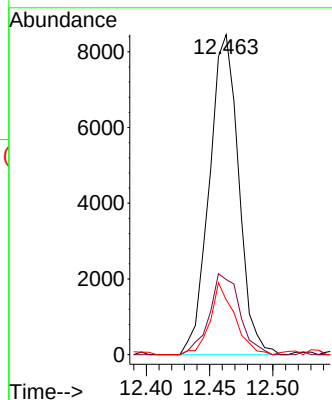
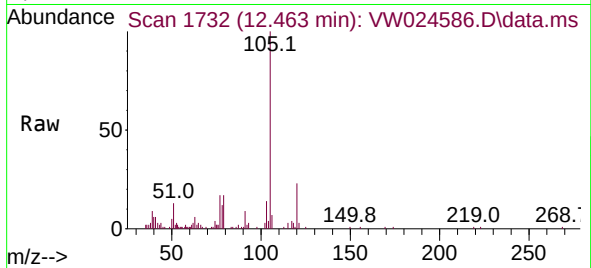




#60
Isopropylbenzene
Concen: 0.898 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

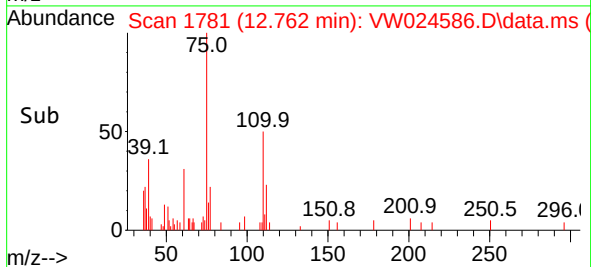
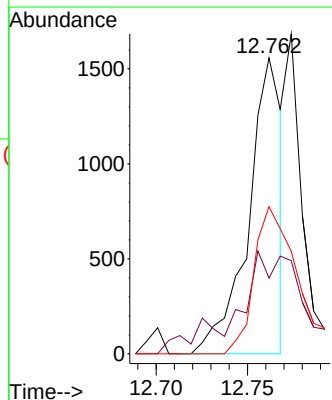
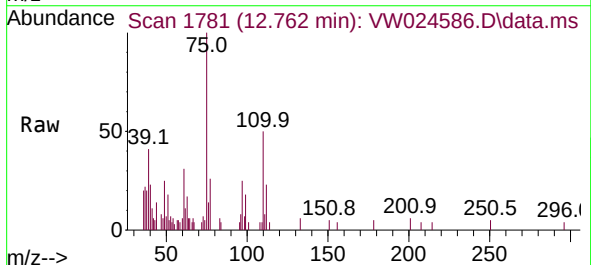
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

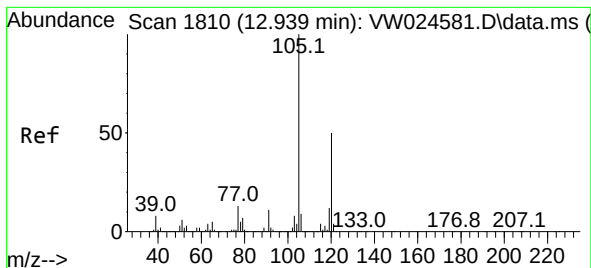
Tgt Ion:	105	Resp:	13629
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.9	31.3
77	18.8	12.6	19.0



#61
1,2,3-Trichloropropane
Concen: 0.852 ug/L
RT: 12.762 min Scan# 1781
Delta R.T. -0.006 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

Tgt Ion:	75	Resp:	1977
Ion	Ratio	Lower	Upper
75	100		
77	23.5	26.8	40.2#
110	63.1	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 :

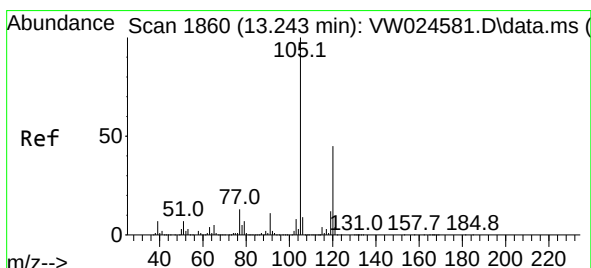
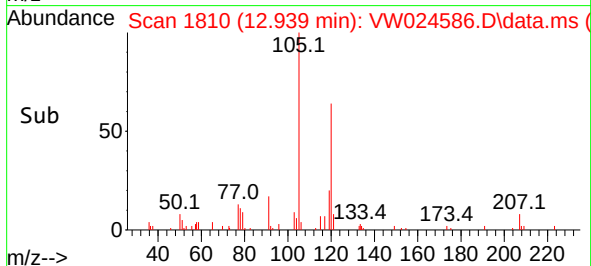
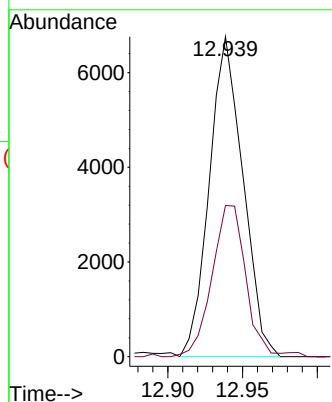
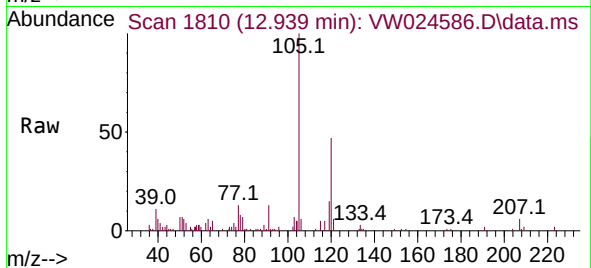
MDL-SOIL-QT3-2022-06

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

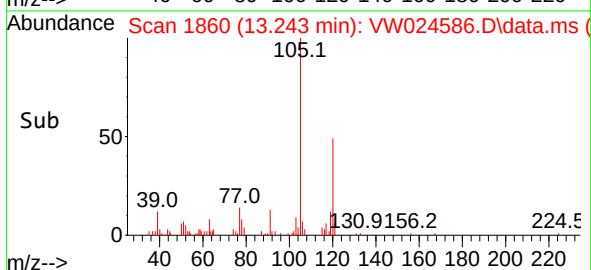
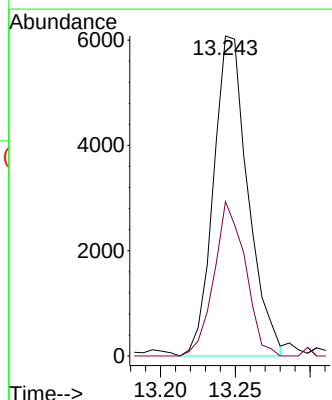
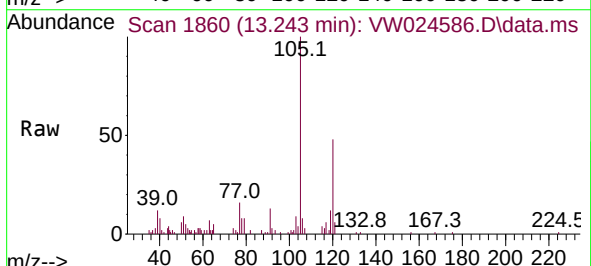
Acq: 08 Sep 2022 12:58

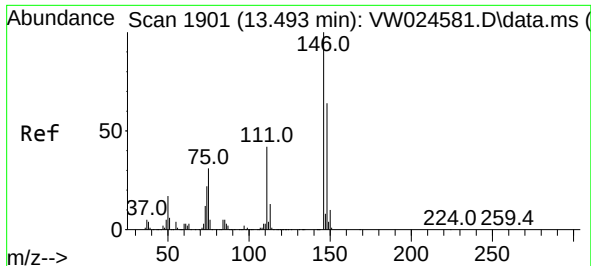
Tgt Ion:105 Resp: 9741

Ion Ratio Lower Upper

105 100

120 43.7 36.7 55.1

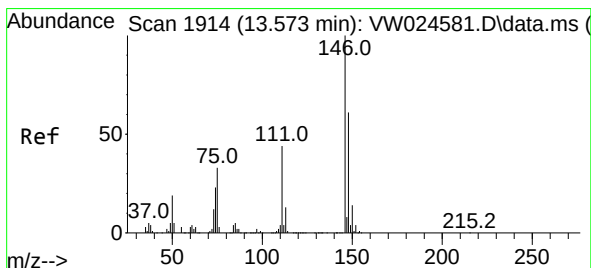
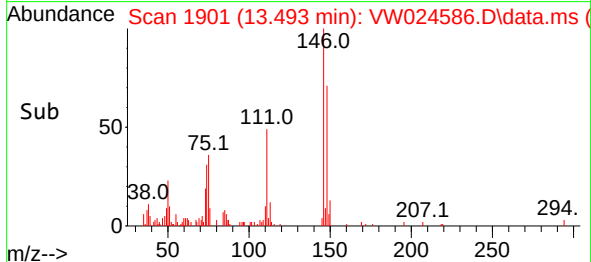
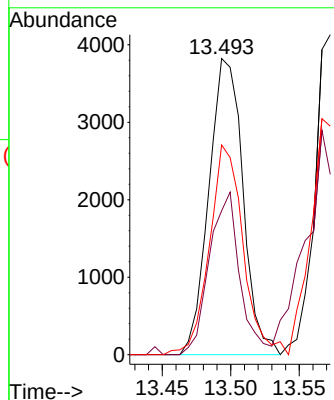
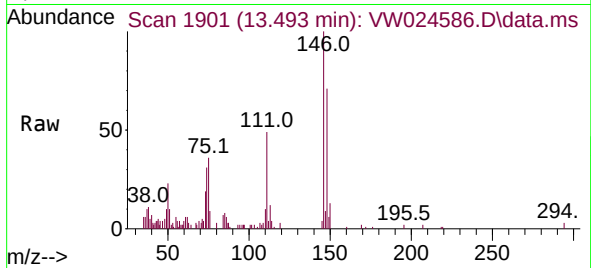




#64
1,3-Dichlorobenzene
Concen: 0.965 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW024586.D
Acq: 08 Sep 2022 12:58

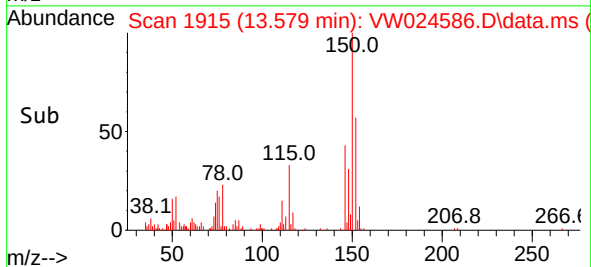
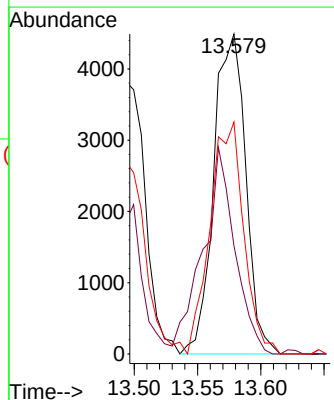
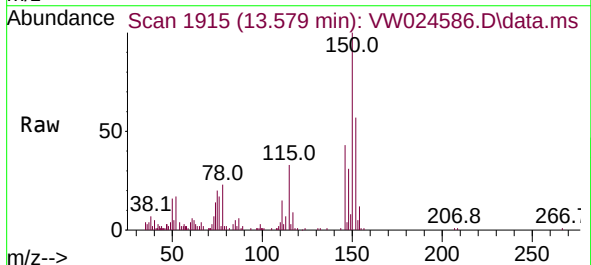
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2022-06

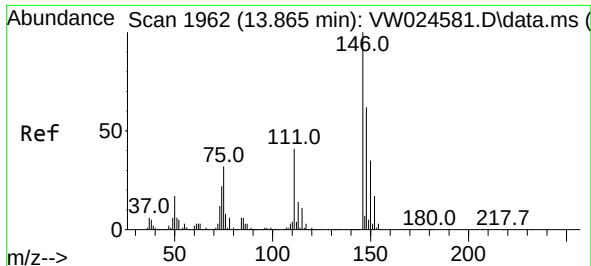
Tgt Ion:146 Resp: 6601
Ion Ratio Lower Upper
146 100
111 48.6 28.3 52.5
148 70.8 42.2 78.4



#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

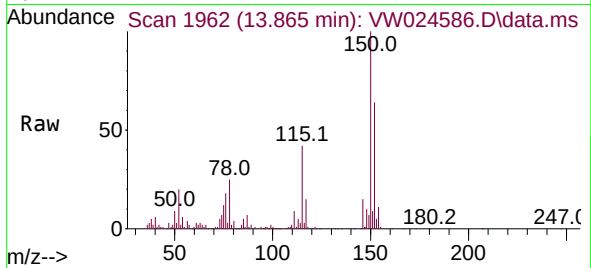
Acq: 08 Sep 2022 12:58

Instrument :

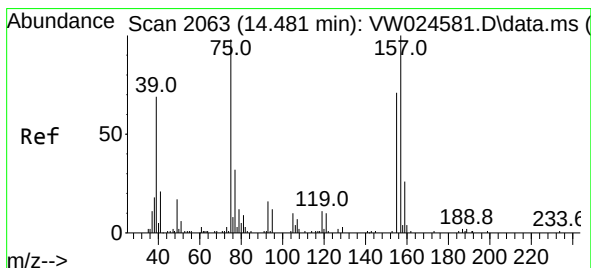
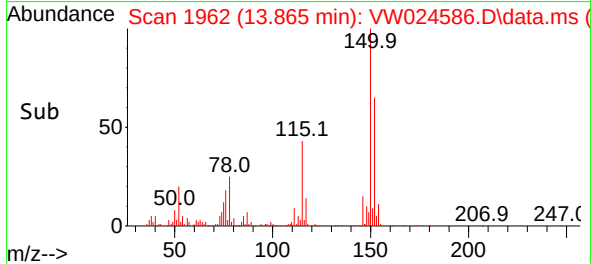
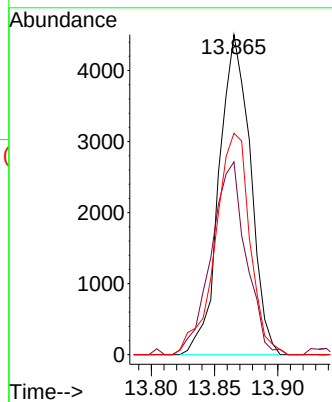
MSVOA_W

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: 2.645 ug/L

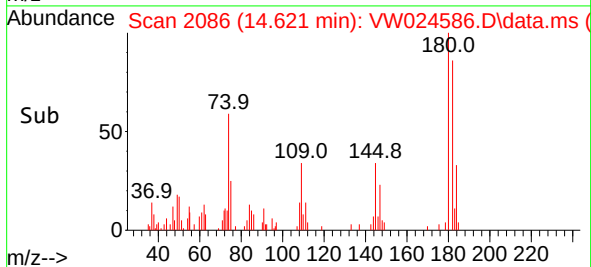
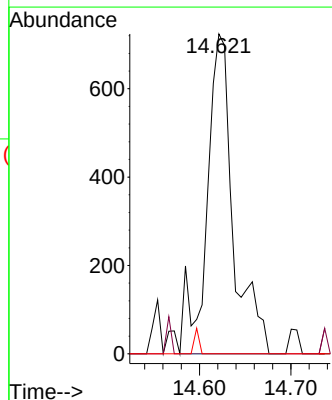
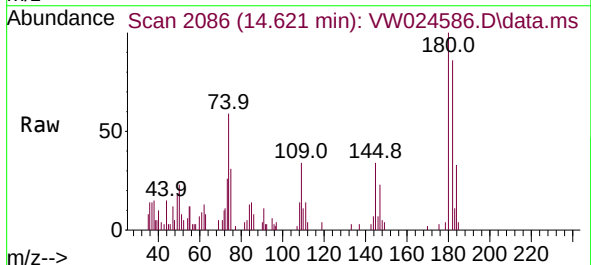
RT: 14.621 min Scan# 2086

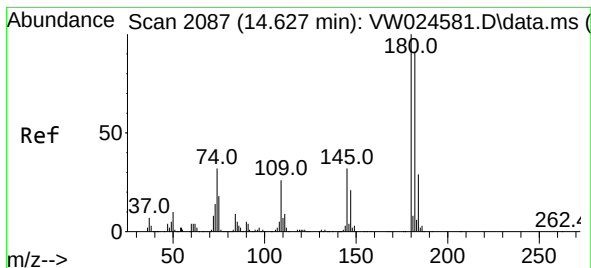
Delta R.T. 0.140 min

Lab File: VW024586.D

Acq: 08 Sep 2022 12:58

Tgt Ion:	75	Resp:	1452
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: 0.916 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

Lab File: VW024586.D

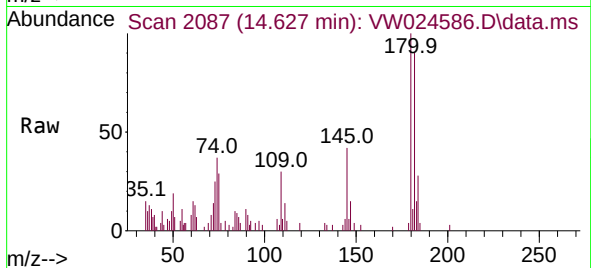
Acq: 08 Sep 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2022-06



Tgt Ion:180 Resp: 4069

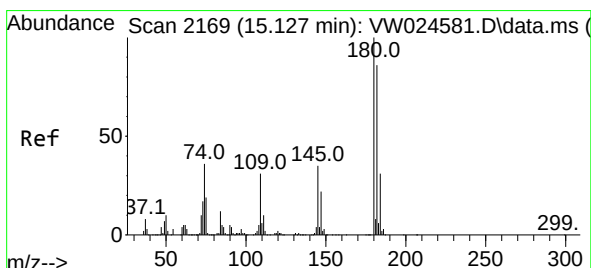
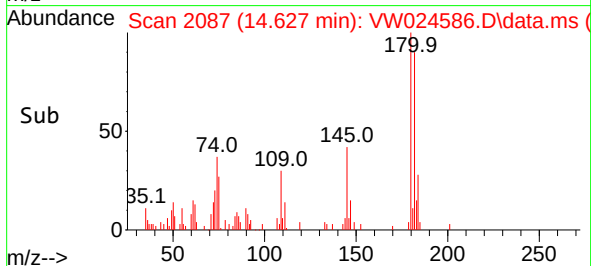
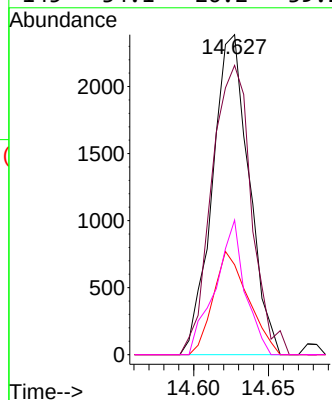
Ion Ratio Lower Upper

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

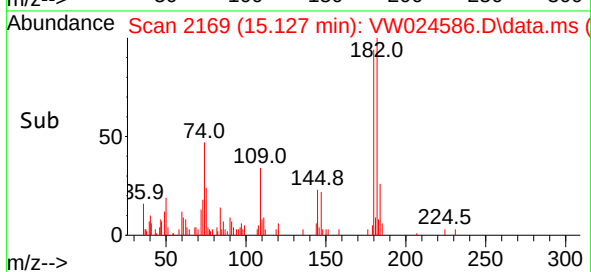
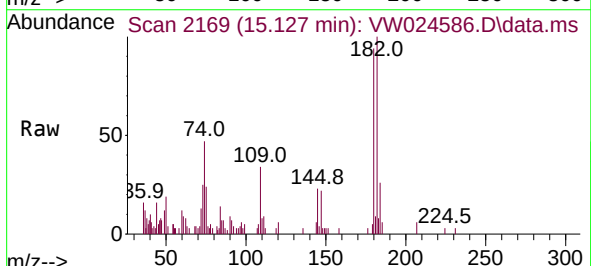
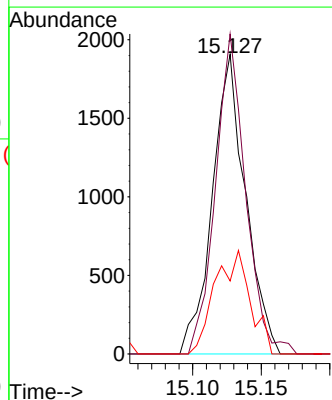
Tgt Ion:180 Resp: 3218

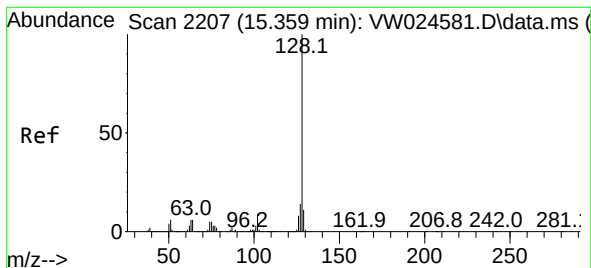
Ion Ratio Lower Upper

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

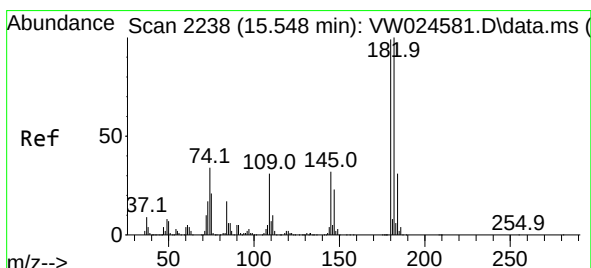
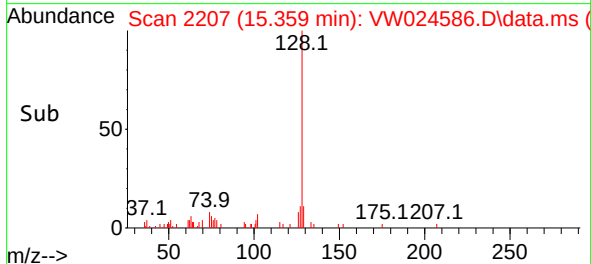
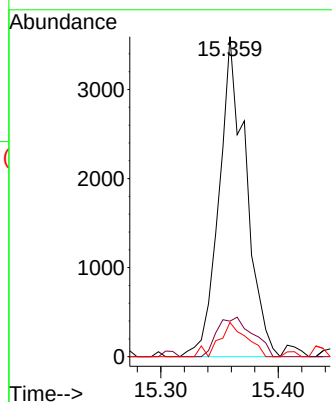
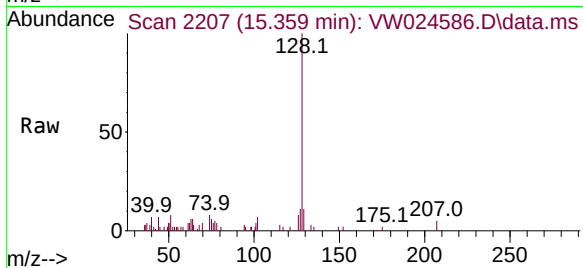
Tgt Ion:128 Resp: 5731

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

