

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:18:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	318160	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	295851	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	147993	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	81669	21.982	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.920%
7) Chloroethane-d5	2.891	69	92988	25.322	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.280%
11) 1,1-Dichloroethene-d2	4.019	63	111578	14.596	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.400%
21) 2-Butanone-d5	7.086	46	59259	48.839	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.680%
24) Chloroform-d	7.653	84	203446	21.151	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	8.305	65	114535	20.455	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.800%
32) Benzene-d6	8.274	84	368194	18.797	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	9.274	67	120808	20.500	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.000%
41) Toluene-d8	10.329	98	312452	17.486	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.960%
43) trans-1,3-Dichloroprop...	10.579	79	49266	20.248	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.000%
47) 2-Hexanone-d5	10.926	63	45557	44.067	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.140%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	111389	21.784	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.120%
66) 1,2-Dichlorobenzene-d4	13.853	152	127199	23.304	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.013	85	3682	1.057	ug/L	95
3) Chloromethane	2.221	50	5299	1.504	ug/L	99
5) Vinyl chloride	2.373	62	7452	1.569	ug/L #	70
6) Bromomethane	2.788	94	5688	1.529	ug/L	97
8) Chloroethane	2.934	64	4935	1.546	ug/L	89
9) Trichlorofluoromethane	3.269	101	3949	1.343	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	4920	1.256	ug/L #	69
12) 1,1-Dichloroethene	4.043	96	5725	1.502	ug/L #	1
13) Acetone	4.147	43	3966	3.977	ug/L	64
14) Carbon disulfide	4.391	76	13612	1.254	ug/L	99
15) Methyl Acetate	4.684	43	2798	1.500	ug/L #	66
16) Methylene chloride	4.921	84	14058	2.644	ug/L	95
17) trans-1,2-Dichloroethene	5.427	96	4965	1.191	ug/L	87
18) Methyl tert-butyl Ether	5.421	73	5674	0.937	ug/L #	85
19) 1,1-Dichloroethane	6.226	63	9672	1.104	ug/L	94
20) cis-1,2-Dichloroethene	7.171	96	5382	1.140	ug/L	89
23) Bromochloromethane	7.518	128	2596	1.188	ug/L	85
25) Chloroform	7.683	83	11352	1.265	ug/L	91
27) 1,2-Dichloroethane	8.402	62	6706	1.070	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:18:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

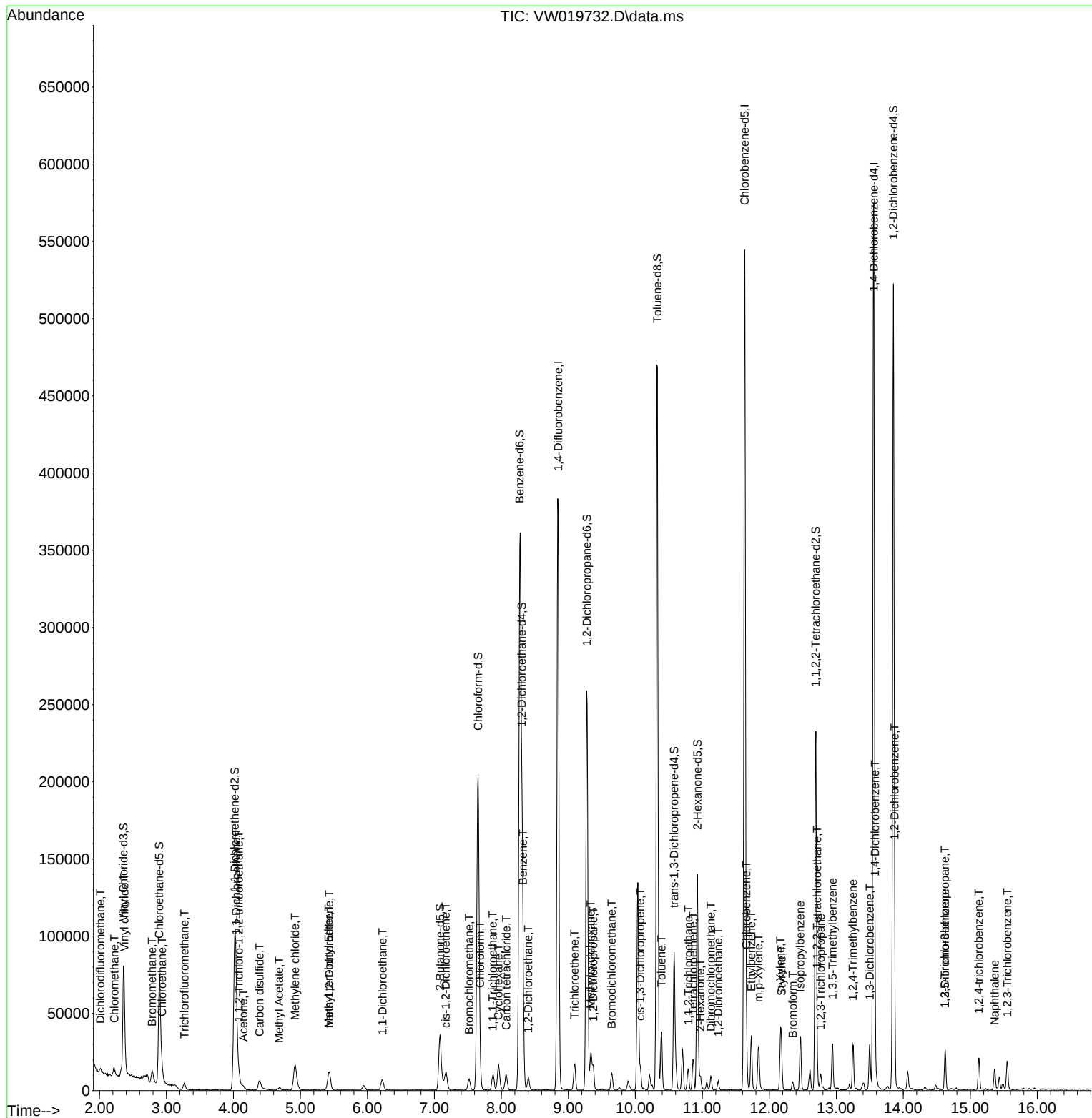
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.957	56	6806	0.928	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	7869	1.039	ug/L	99
31) Carbon tetrachloride	8.073	117	7274	1.041	ug/L	99
33) Benzene	8.323	78	22439	1.094	ug/L	100
34) Trichloroethene	9.091	95	5724	1.126	ug/L	91
35) Methylcyclohexane	9.335	83	8046	0.957	ug/L	91
37) 1,2-Dichloropropane	9.372	63	5570	1.087	ug/L	98
38) Bromodichloromethane	9.646	83	6882	1.060	ug/L	100
39) cis-1,3-Dichloropropene	10.073	75	7361	0.942	ug/L	95
42) Toluene	10.390	91	27149	1.261	ug/L	95
45) 1,1,2-Trichloroethane	10.792	97	4253	1.122	ug/L	93
46) Tetrachloroethene	10.865	164	4316	1.129	ug/L	87
48) 2-Hexanone	10.969	43	5386	2.486	ug/L #	51
49) Dibromochloromethane	11.128	129	4430	1.055	ug/L	85
50) 1,2-Dibromoethane	11.237	107	3921	1.087	ug/L	98
51) Chlorobenzene	11.658	112	15196	1.154	ug/L	99
52) Ethylbenzene	11.731	91	23029	1.021	ug/L	93
53) m,p-Xylene	11.841	106	8782	1.023	ug/L	91
54) o-Xylene	12.164	106	7363	0.888	ug/L	94
55) Styrene	12.182	104	11942	0.839	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.713	83	5984	1.241	ug/L #	92
59) Bromoform	12.353	173	2348	1.044	ug/L #	94
60) Isopropylbenzene	12.463	105	19427	0.960	ug/L	96
61) 1,2,3-Trichloropropane	12.768	75	3875	1.158	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.944	105	15355	0.911	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	15383	0.875	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	10509	1.072	ug/L	88
65) 1,4-Dichlorobenzene	13.578	146	11983	1.213	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	11045	1.284	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.621	75	1601	2.451	ug/L #	8
69) 1,3,5-Trichlorobenzene	14.621	180	7148	1.142	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	6124	1.162	ug/L	96
71) Naphthalene	15.365	128	11053	1.079	ug/L	98
72) 1,2,3-Trichlorobenzene	15.554	180	5824	1.249	ug/L	95

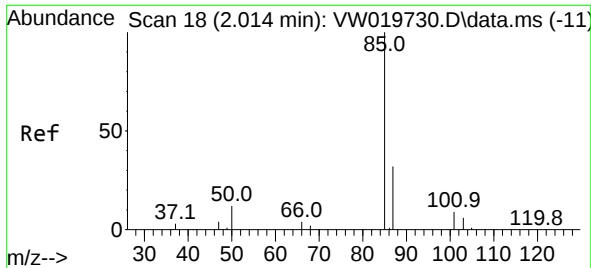
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081321\
 Data File : VW019732.D
 Acq On : 13 Aug 2021 12:20
 Operator : SY/VA
 Sample : M3263-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Aug 14 01:18:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 14 01:17:15 2021
 Response via : Initial Calibration

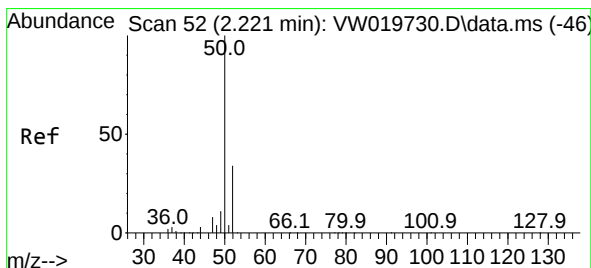
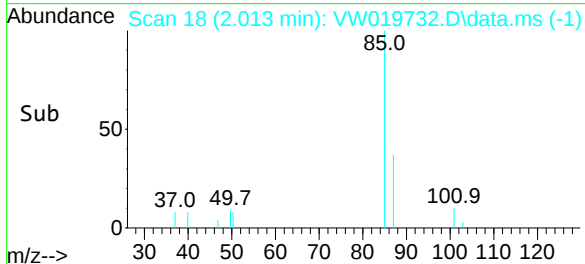
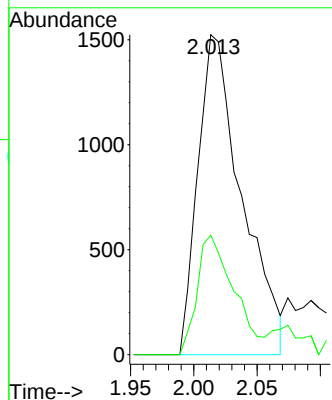
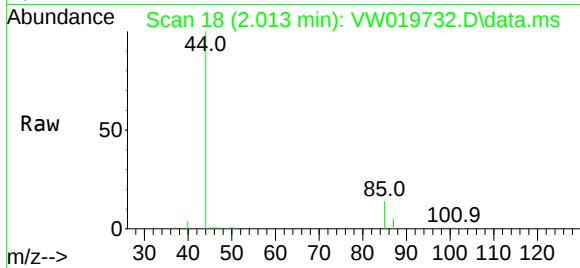




#2
Dichlorodifluoromethane
Concen: 1.057 ug/L
RT: 2.013 min Scan# 18
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

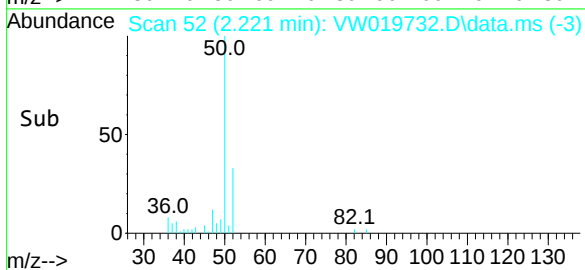
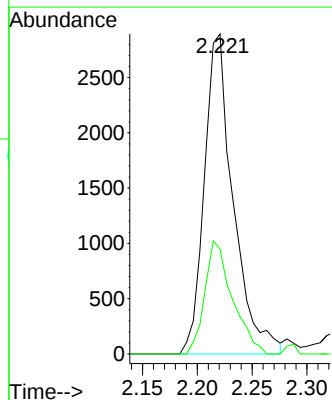
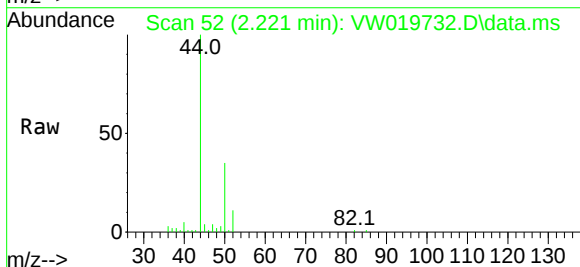
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

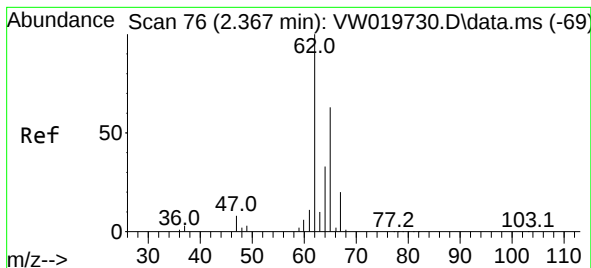
Tgt Ion: 85 Resp: 3682
Ion Ratio Lower Upper
85 100
87 31.6 23.3 34.9



#3
Chloromethane
Concen: 1.504 ug/L
RT: 2.221 min Scan# 52
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion: 50 Resp: 5299
Ion Ratio Lower Upper
50 100
52 32.9 22.5 41.9





#5

Vinyl chloride

Concen: 1.569 ug/L

RT: 2.373 min Scan# 77

Delta R.T. 0.006 min

Lab File: VW019732.D

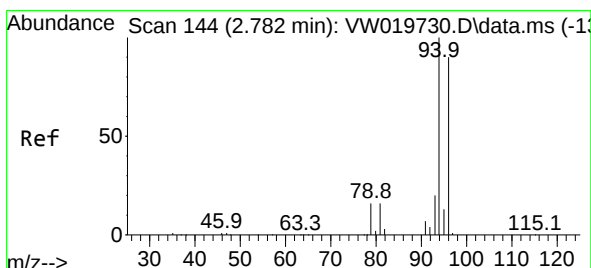
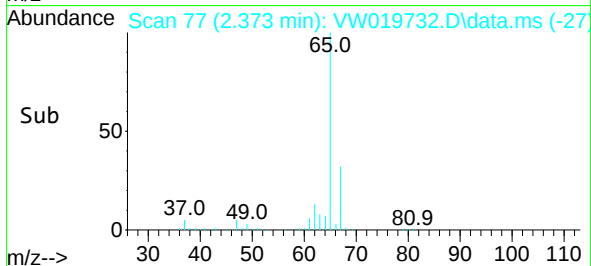
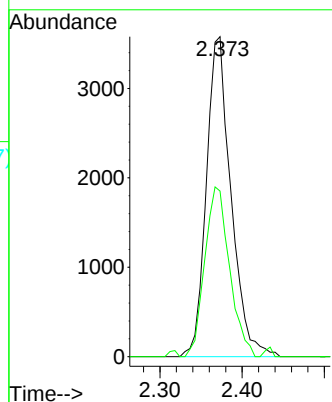
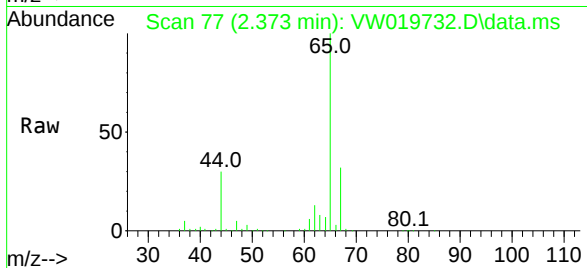
Acq: 13 Aug 2021 12:20

Tgt Ion: 62 Resp: 7452

Ion Ratio Lower Upper

62 100

64 51.8 24.2 45.0#



#6

Bromomethane

Concen: 1.529 ug/L

RT: 2.788 min Scan# 145

Delta R.T. 0.006 min

Lab File: VW019732.D

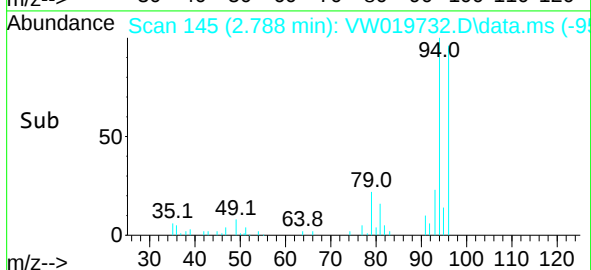
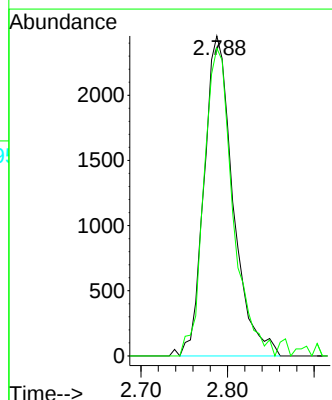
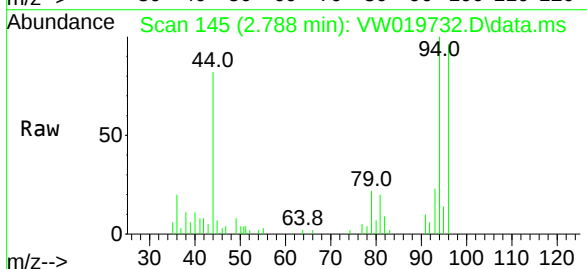
Acq: 13 Aug 2021 12:20

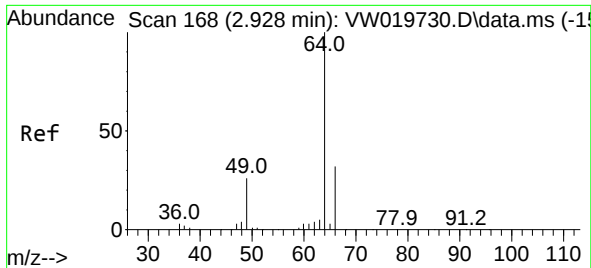
Tgt Ion: 94 Resp: 5688

Ion Ratio Lower Upper

94 100

96 96.1 65.3 121.3

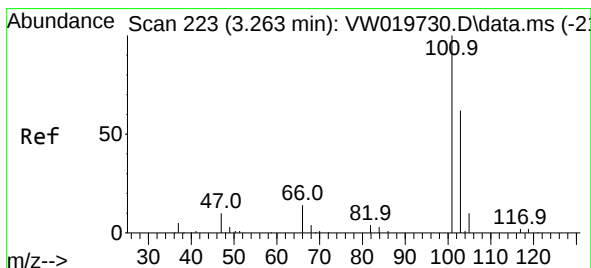
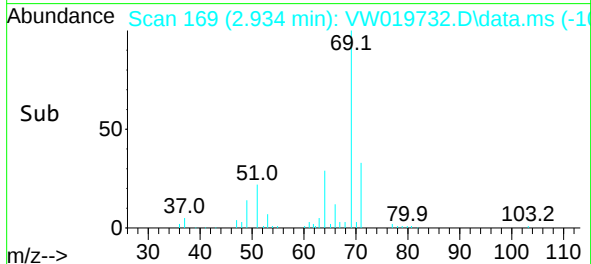
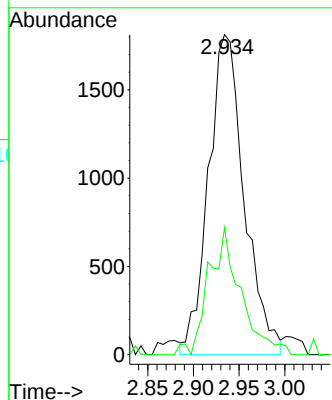
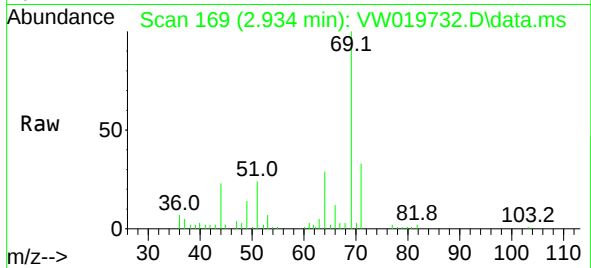




#8
Chloroethane
Concen: 1.546 ug/L
RT: 2.934 min Scan# 169
Delta R.T. 0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

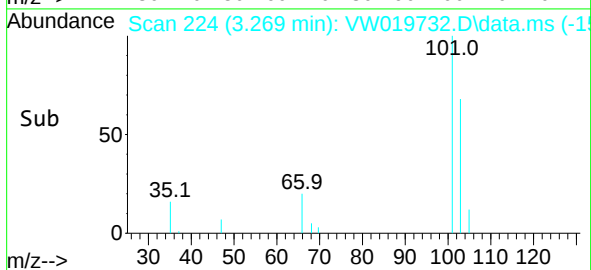
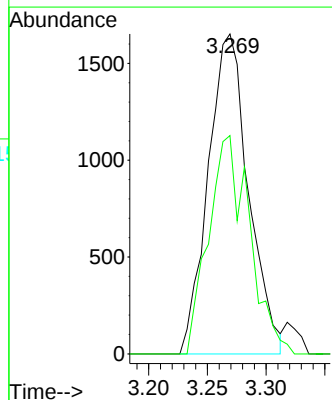
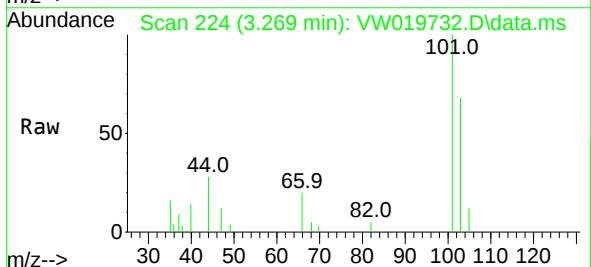
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

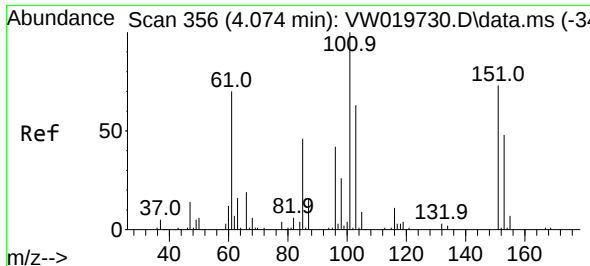
Tgt Ion: 64 Resp: 4935
Ion Ratio Lower Upper
64 100
66 39.7 23.4 43.6



#9
Trichlorofluoromethane
Concen: 1.343 ug/L
RT: 3.269 min Scan# 224
Delta R.T. 0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion: 101 Resp: 3949
Ion Ratio Lower Upper
101 100
103 47.1 51.0 76.4#





#10

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

Concen: 1.256 ug/L

RT: 4.080 min Scan# 357

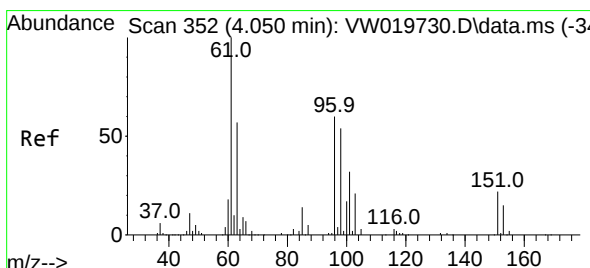
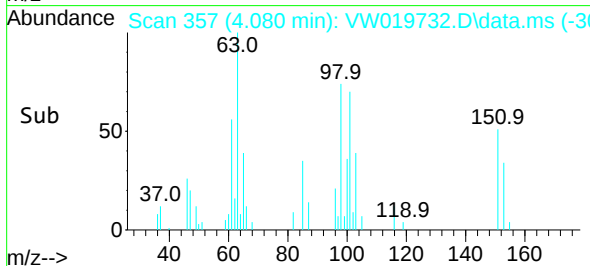
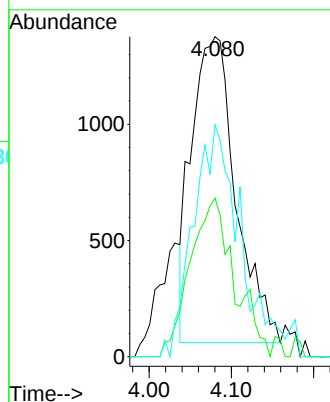
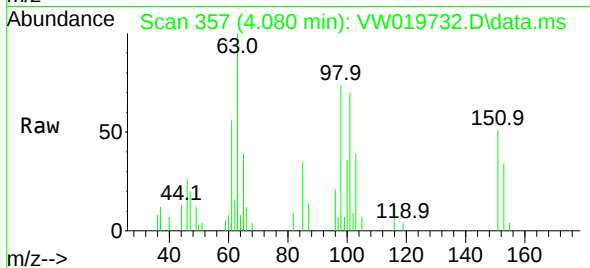
Delta R.T. 0.006 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:	101	Resp:	4920
Ion	Ratio	Lower	Upper
101	100		
85	45.5	38.2	57.2
151	29.5	56.6	85.0#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08



#12

1,1-Dichloroethene

Concen: 1.502 ug/L

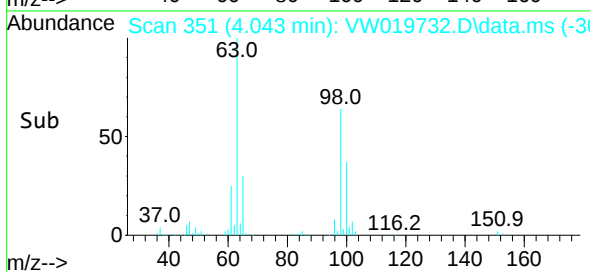
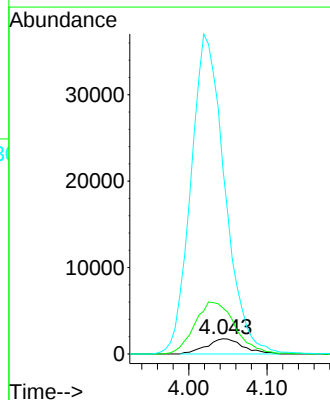
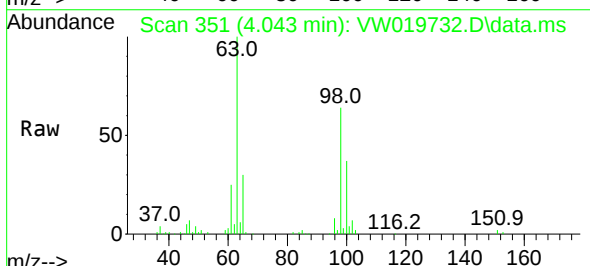
RT: 4.043 min Scan# 351

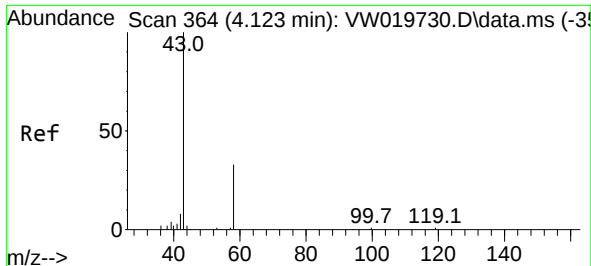
Delta R.T. -0.006 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:	96	Resp:	5725
Ion	Ratio	Lower	Upper
96	100		
61	302.2	118.1	219.3#
63	1223.0	83.7	155.5#

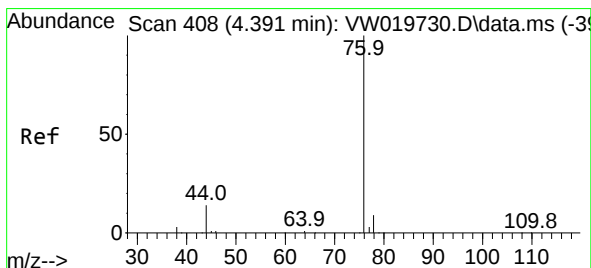
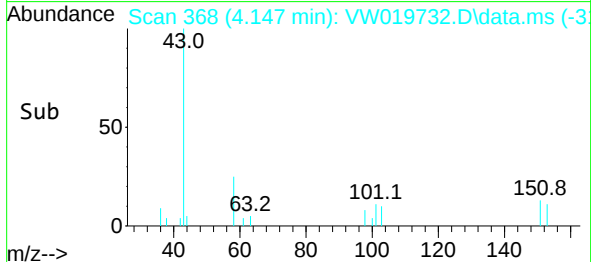
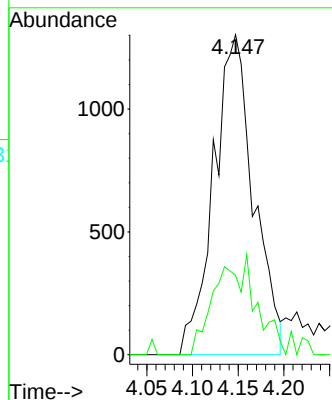
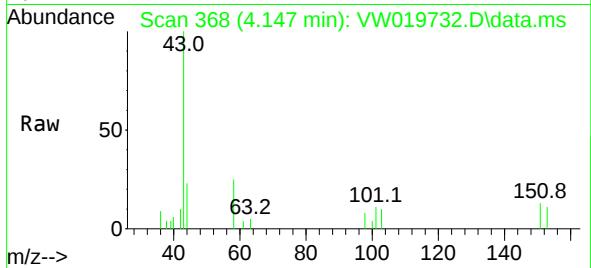




#13
Acetone
Concen: 3.977 ug/L
RT: 4.147 min Scan# 368
Delta R.T. 0.024 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

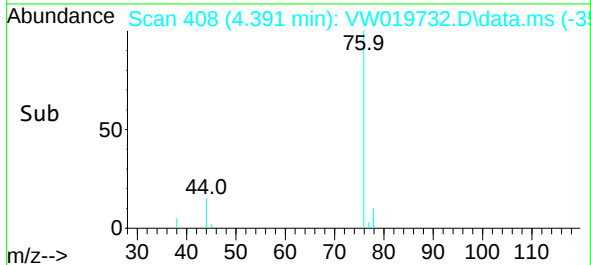
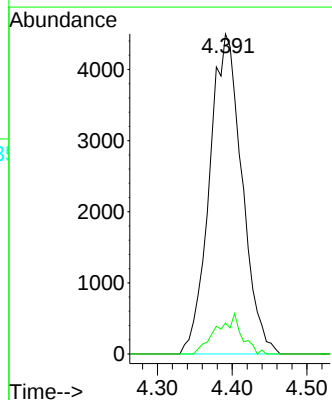
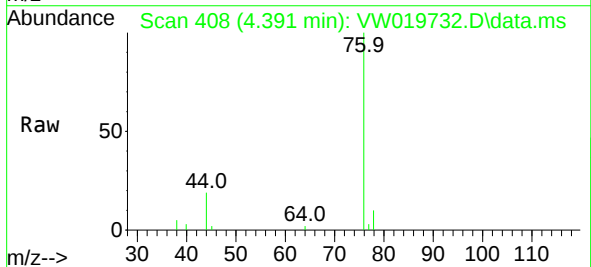
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

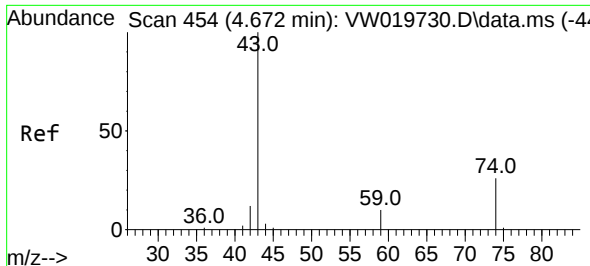
Tgt Ion: 43 Resp: 3966
Ion Ratio Lower Upper
43 100
58 8.3 0.0 53.8



#14
Carbon disulfide
Concen: 1.254 ug/L
RT: 4.391 min Scan# 408
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

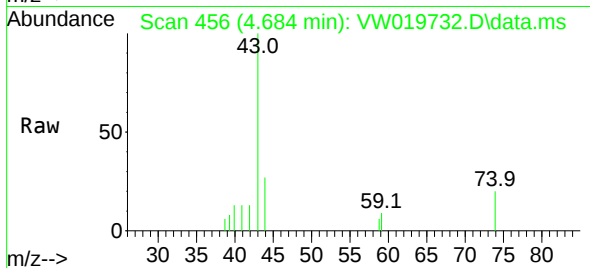
Tgt Ion: 76 Resp: 13612
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



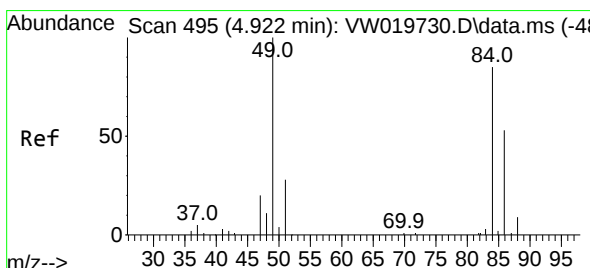
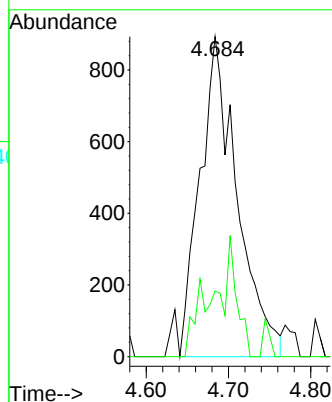
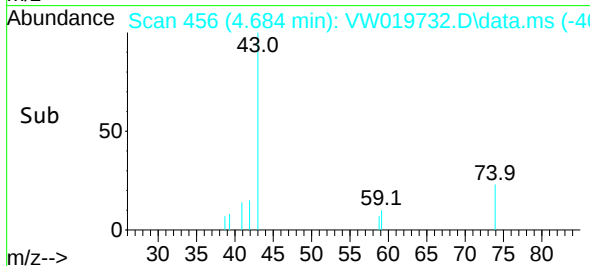


#15
Methyl Acetate
Concen: 1.500 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

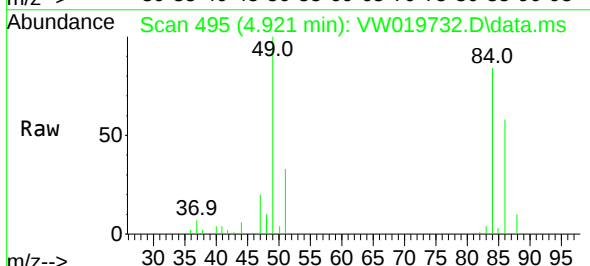
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08



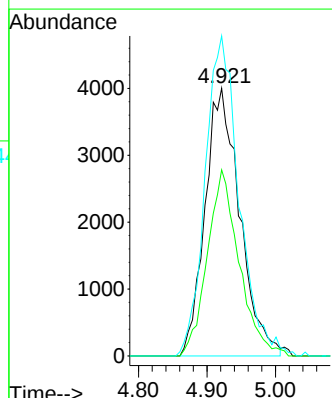
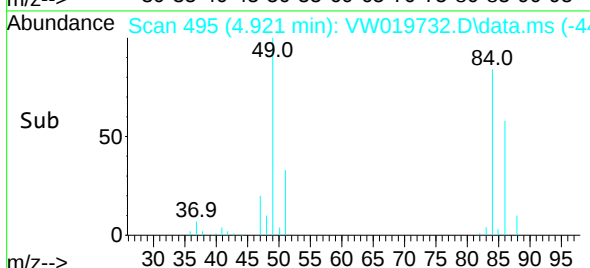
Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
74 8.1 20.0 30.0#

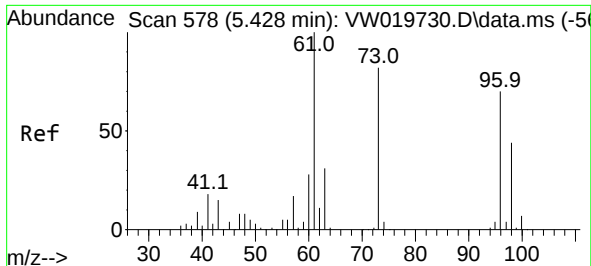


#16
Methylene chloride
Concen: 2.644 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20



Tgt Ion: 84 Resp: 14058
Ion Ratio Lower Upper
84 100
86 69.5 45.3 84.1
49 119.5 86.6 160.8

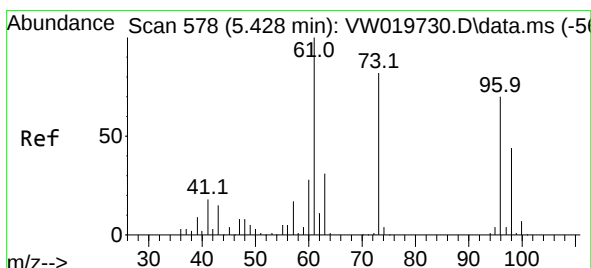
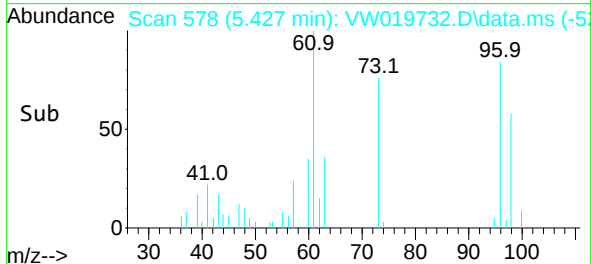
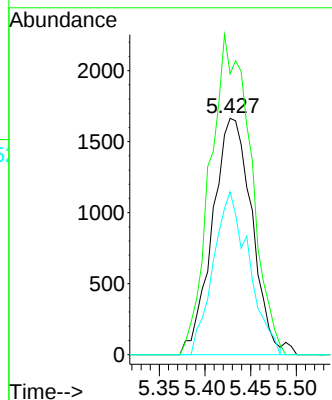
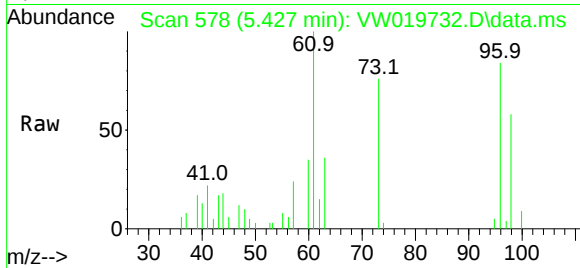




#17
trans-1,2-Dichloroethene
Concen: 1.191 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

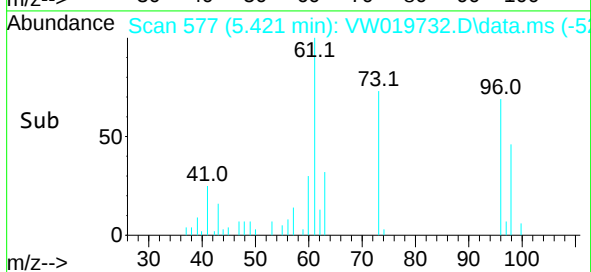
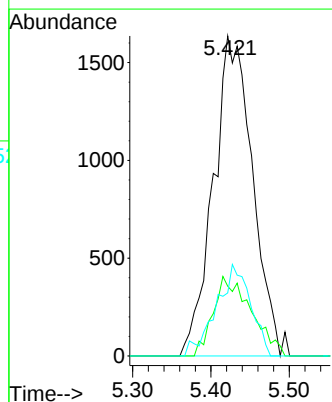
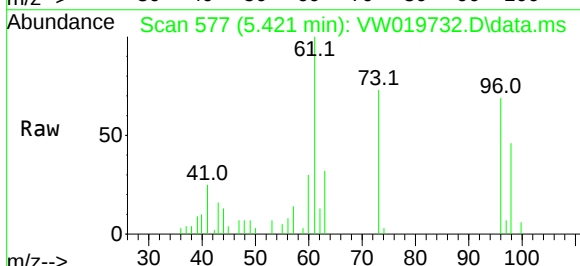
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

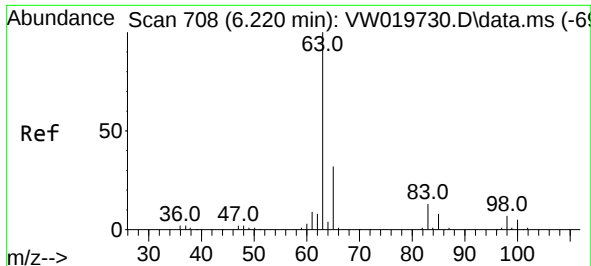
Tgt Ion:	96	Resp:	4965
Ion	Ratio	Lower	Upper
96	100		
61	118.9	98.3	182.7
98	68.9	46.1	85.7



#18
Methyl tert-butyl Ether
Concen: 0.937 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:	73	Resp:	5674
Ion	Ratio	Lower	Upper
73	100		
43	12.3	17.7	26.5#
57	16.7	17.0	25.4#





#19

1,1-Dichloroethane

Concen: 1.104 ug/L

RT: 6.226 min Scan# 709

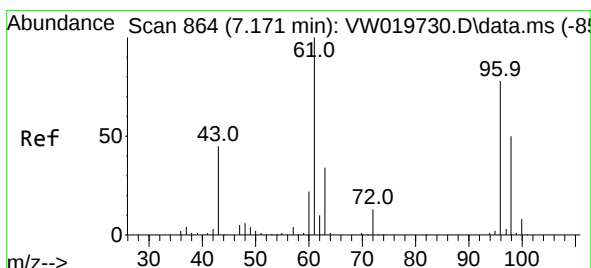
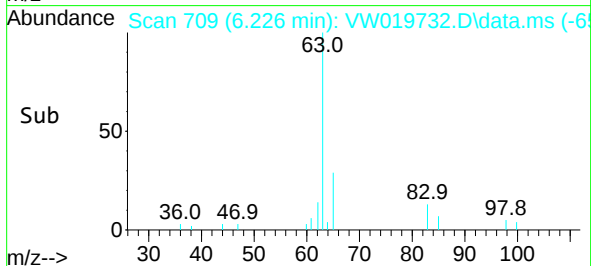
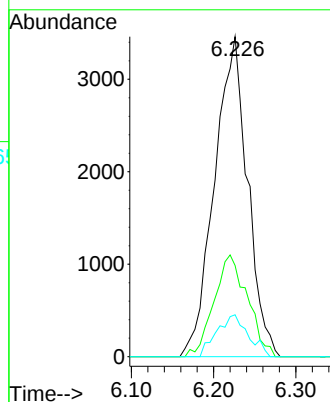
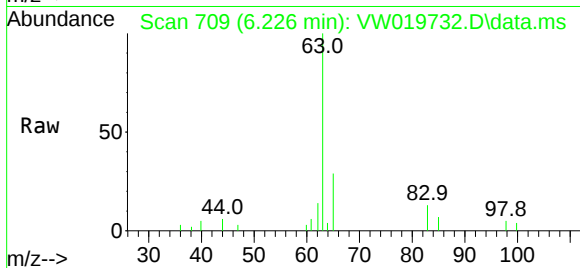
Delta R.T. 0.006 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:	63	Resp:	9672
Ion	Ratio	Lower	Upper
63	100		
65	28.5	22.9	42.5
83	13.1	10.2	19.0

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08



#20

cis-1,2-Dichloroethene

Concen: 1.140 ug/L

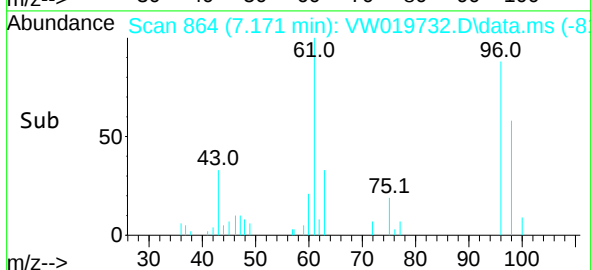
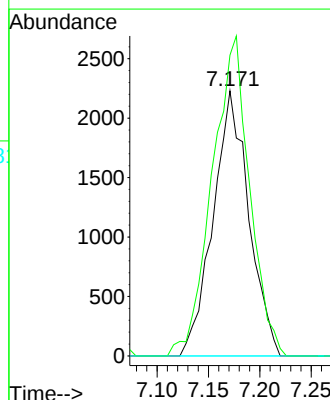
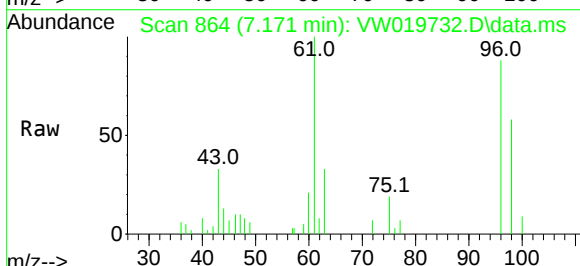
RT: 7.171 min Scan# 864

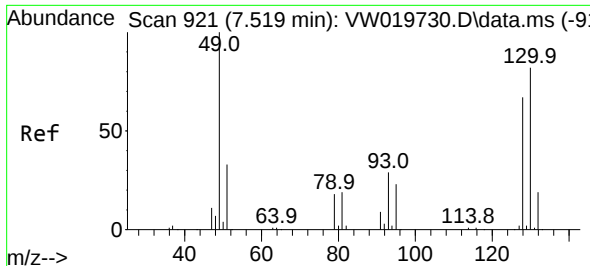
Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:	96	Resp:	5382
Ion	Ratio	Lower	Upper
96	100		
61	113.4	88.5	164.3
68	0.0	0.0	0.0

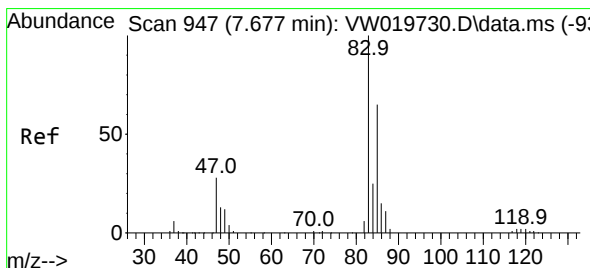
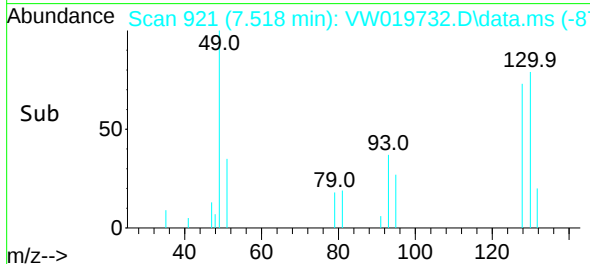
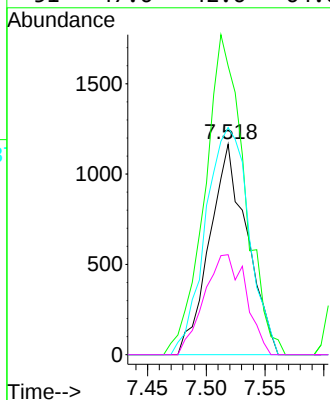
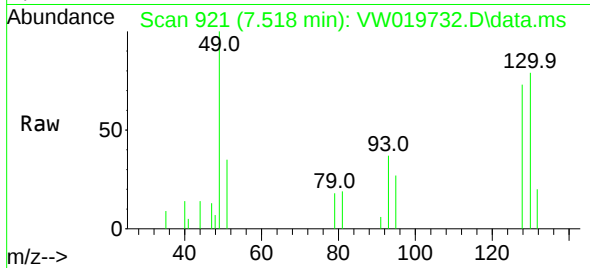




#23
Bromochloromethane
Concen: 1.188 ug/L
RT: 7.518 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

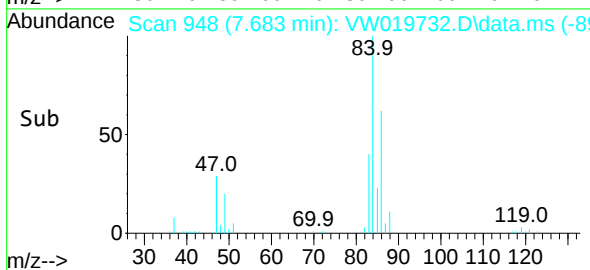
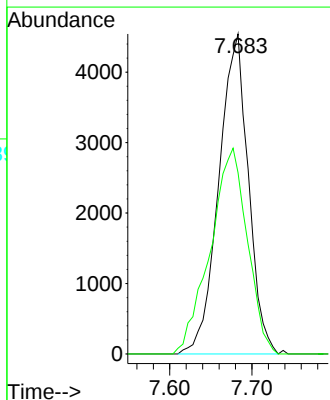
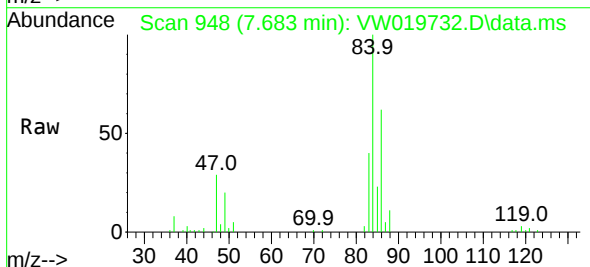
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

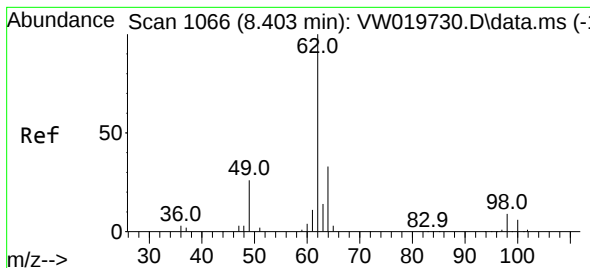
Tgt Ion:	128	Resp:	2596
Ion	Ratio	Lower	Upper
128	100		
49	137.3	116.3	215.9
130	108.0	82.4	153.0
51	47.6	42.6	64.0



#25
Chloroform
Concen: 1.265 ug/L
RT: 7.683 min Scan# 948
Delta R.T. 0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:	83	Resp:	11352
Ion	Ratio	Lower	Upper
83	100		
85	56.7	44.6	82.8





#27

1,2-Dichloroethane

Concen: 1.070 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW019732.D

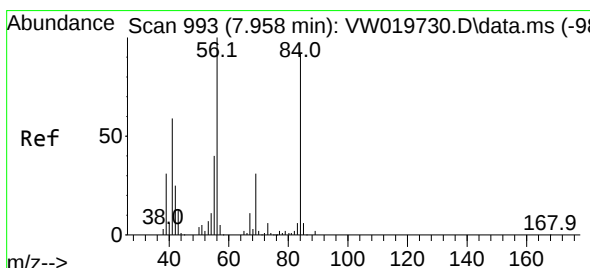
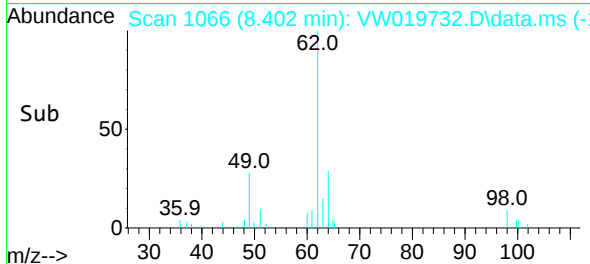
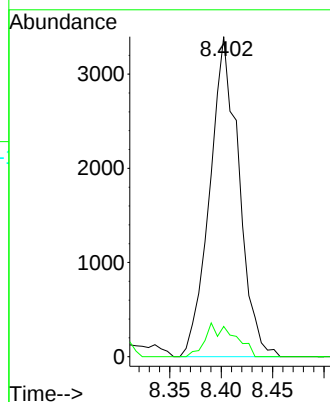
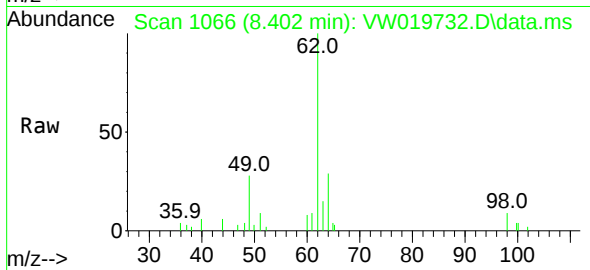
Acq: 13 Aug 2021 12:20

Tgt Ion: 62 Resp: 6706

Ion Ratio Lower Upper

62 100

98 9.4 6.9 10.3



#29

Cyclohexane

Concen: 0.928 ug/L

RT: 7.957 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

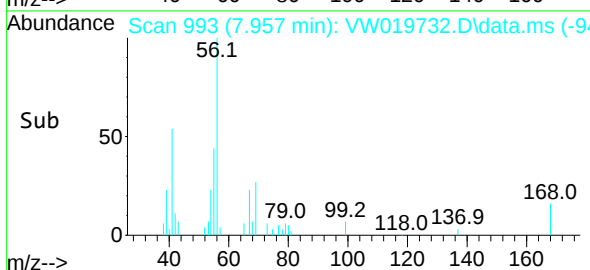
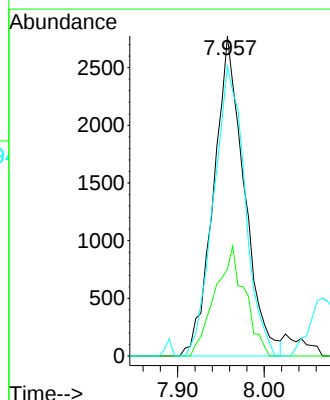
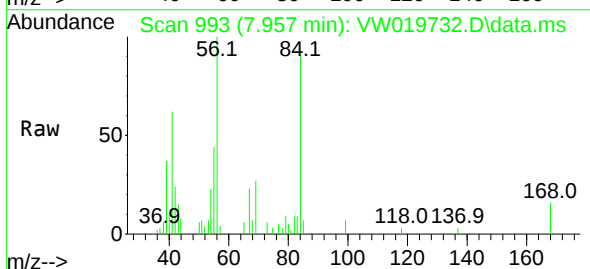
Tgt Ion: 56 Resp: 6806

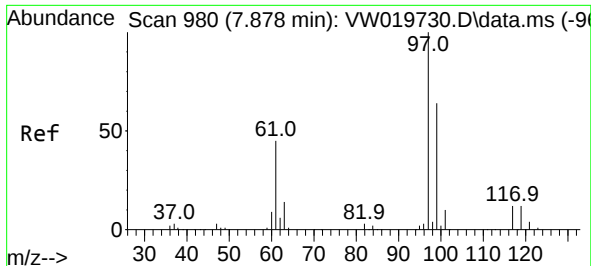
Ion Ratio Lower Upper

56 100

69 28.3 24.5 36.7

84 92.7 75.0 112.4

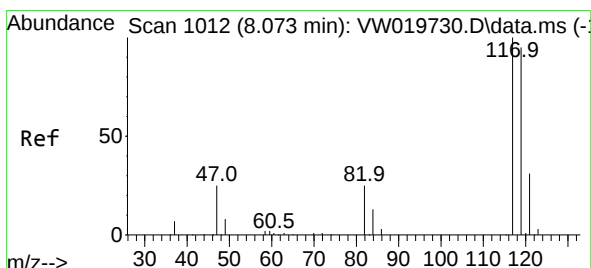
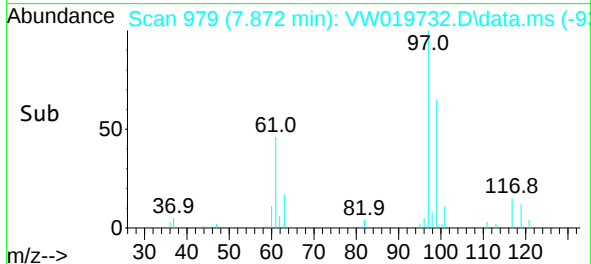
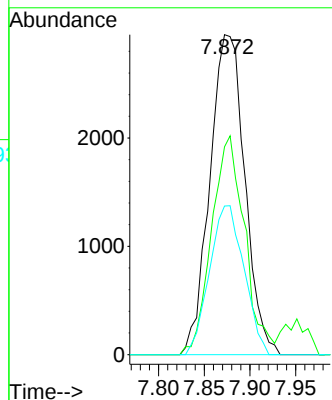
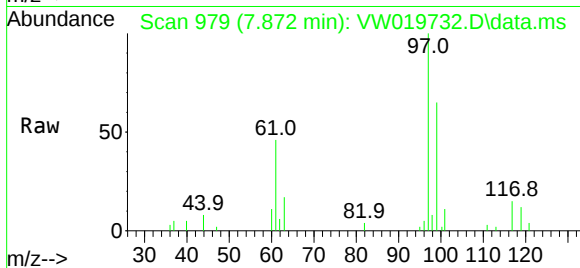




#30
1,1,1-Trichloroethane
Concen: 1.039 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

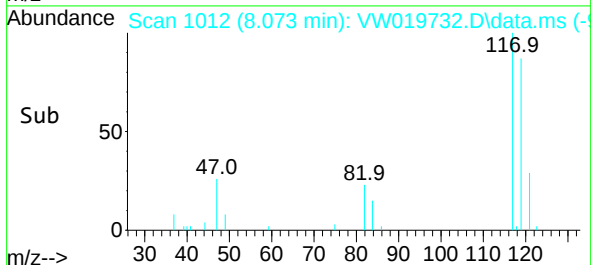
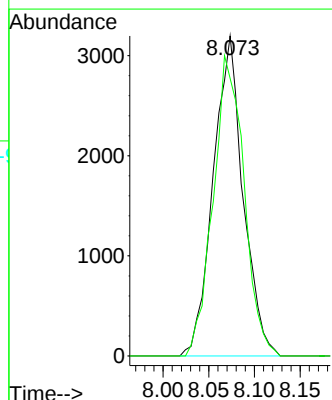
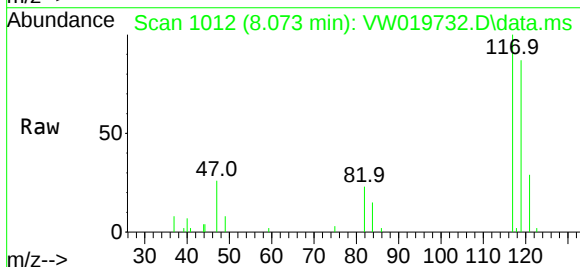
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

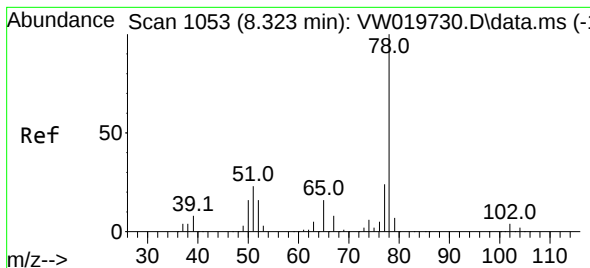
Tgt Ion: 97	Resp: 7869
Ion Ratio	Lower Upper
97 100	
99 64.7	51.4 77.2
61 45.8	37.8 56.6



#31
Carbon tetrachloride
Concen: 1.041 ug/L
RT: 8.073 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:117	Resp:	7274	
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.5	114.7





#33

Benzene

Concen: 1.094 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

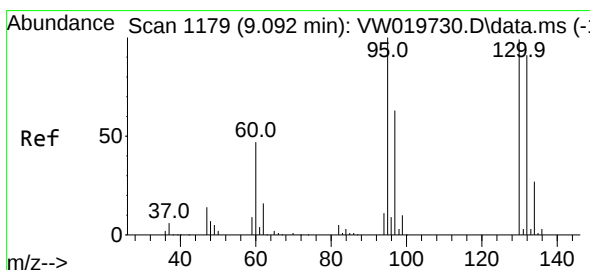
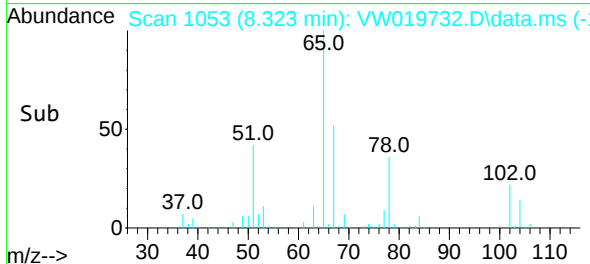
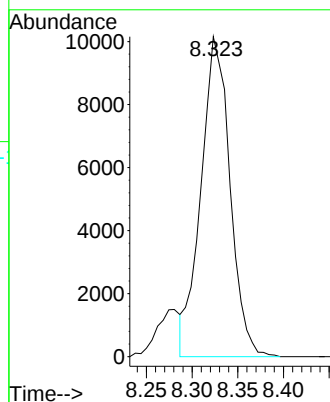
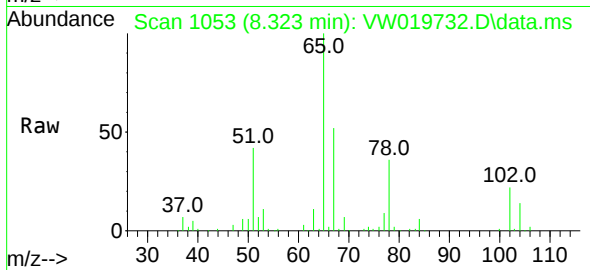
Tgt Ion: 78 Resp: 22439

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2021-08



#34

Trichloroethene

Concen: 1.126 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion: 95 Resp: 5724

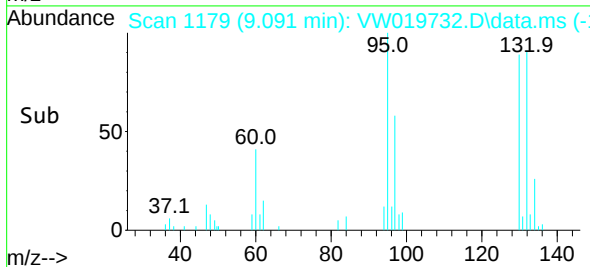
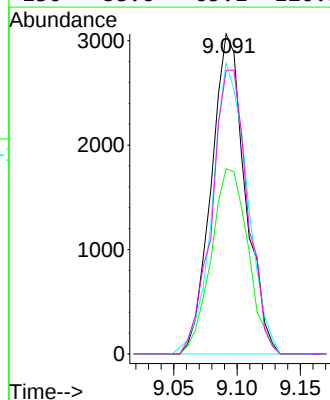
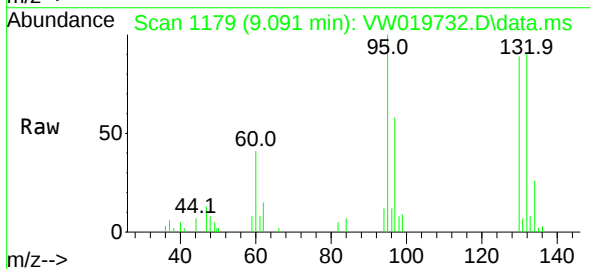
Ion Ratio Lower Upper

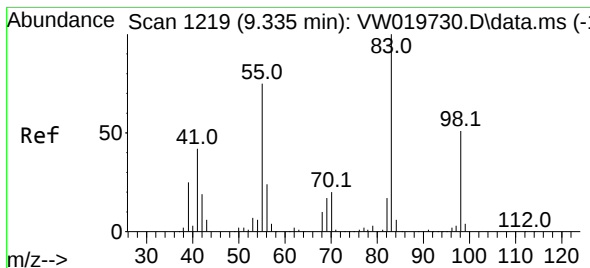
95 100

97 57.9 47.3 87.8

132 90.9 71.0 131.8

130 88.6 65.1 120.9

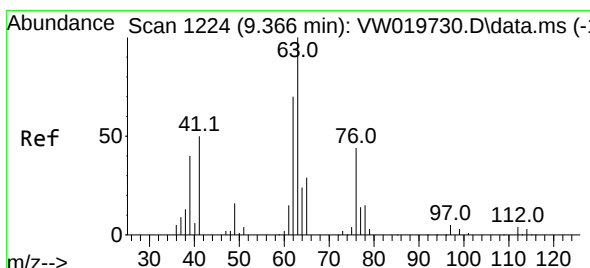
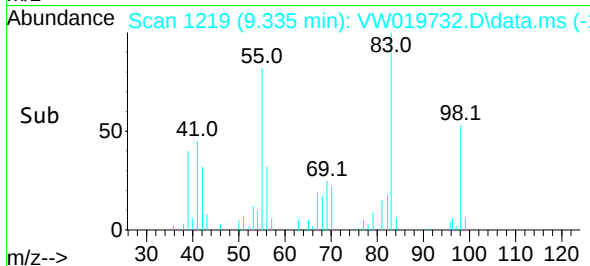
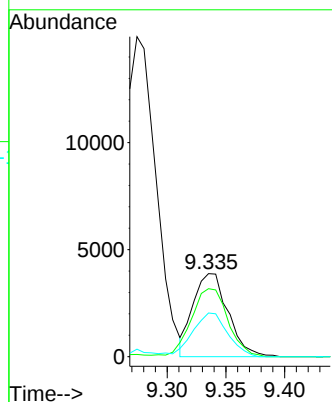
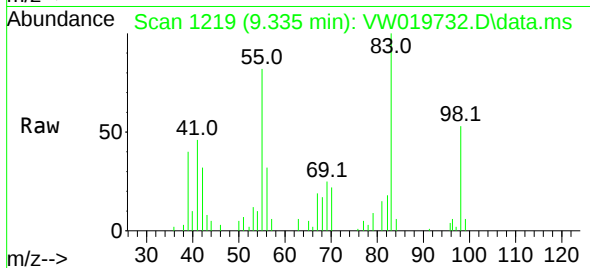




#35
Methylcyclohexane
Concen: 0.957 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

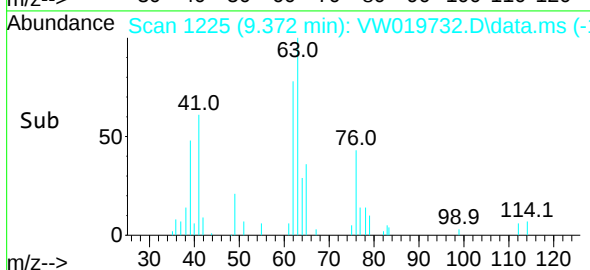
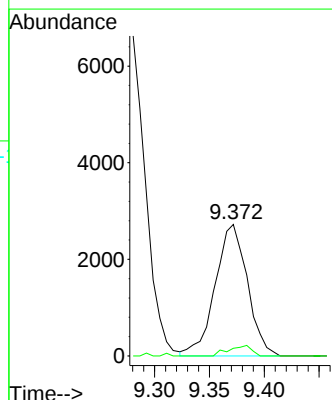
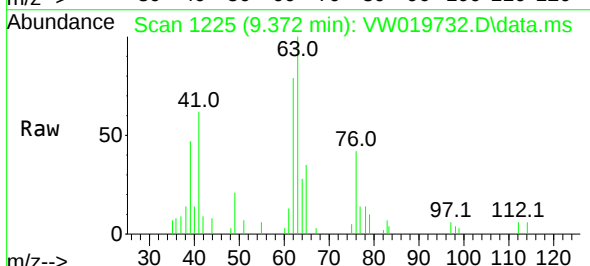
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

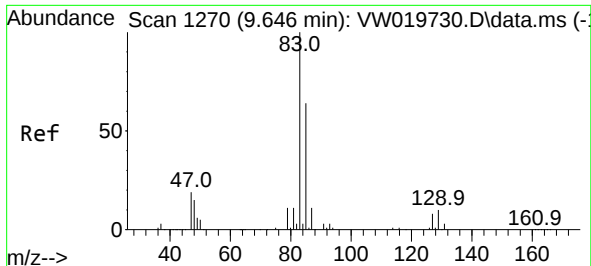
Tgt Ion:	83	Resp:	8046
Ion	Ratio	Lower	Upper
83	100		
55	85.2	58.9	88.3
98	52.1	40.1	60.1



#37
1,2-Dichloropropane
Concen: 1.087 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:	63	Resp:	5570
Ion	Ratio	Lower	Upper
63	100		
112	5.7	3.9	5.9

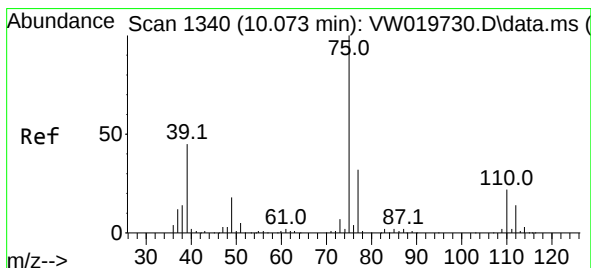
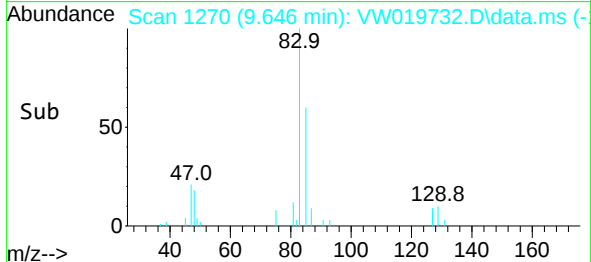
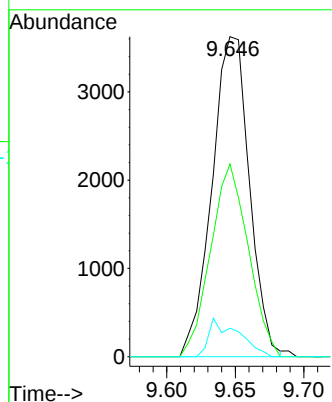
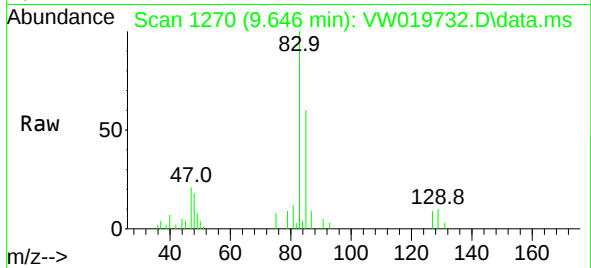




#38
Bromodichloromethane
Concen: 1.060 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

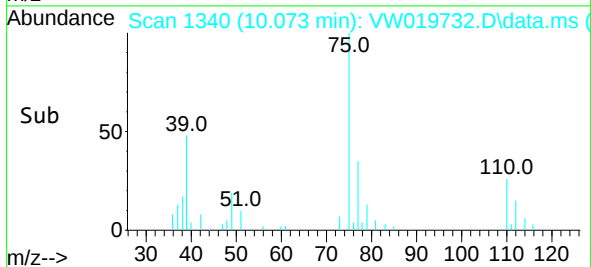
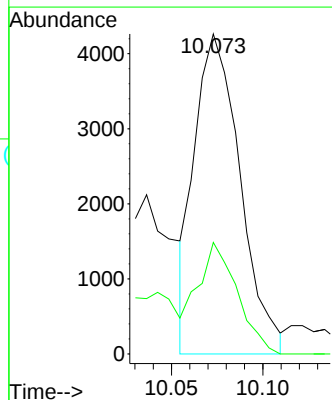
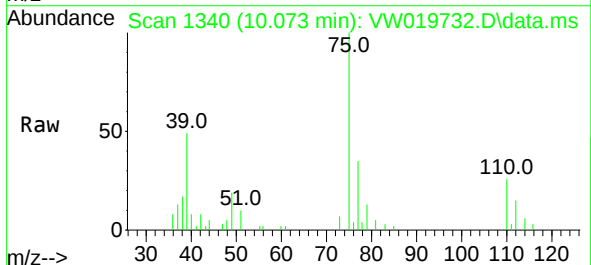
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

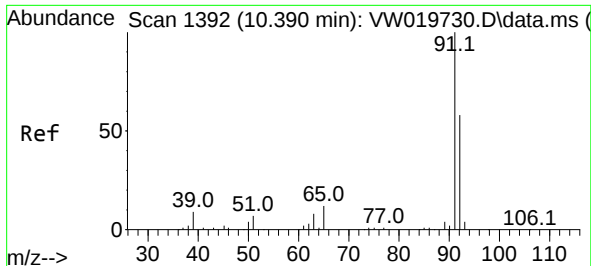
Tgt Ion: 83	Resp: 6882		
Ion Ratio	Lower	Upper	
83 100			
85 60.2	42.3	78.5	
127 8.9	6.6	9.8	



#39
cis-1,3-Dichloropropene
Concen: 0.942 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion: 75	Resp: 7361
Ion Ratio	Lower Upper
75 100	
77 34.8	22.6 42.0

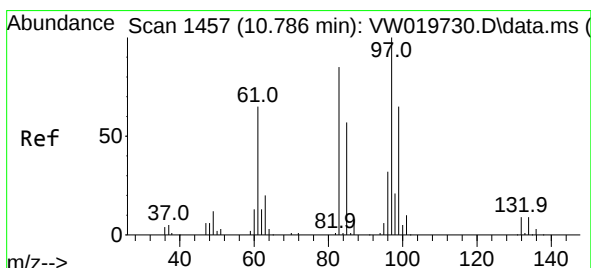
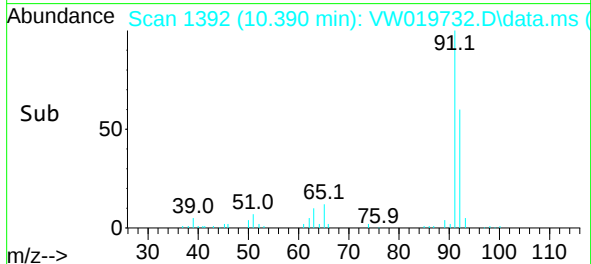
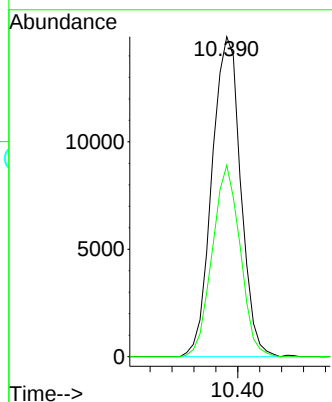
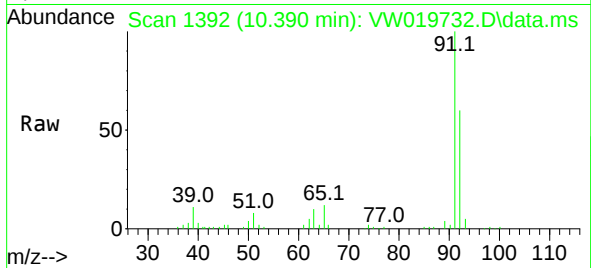




#42
Toluene
Concen: 1.261 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

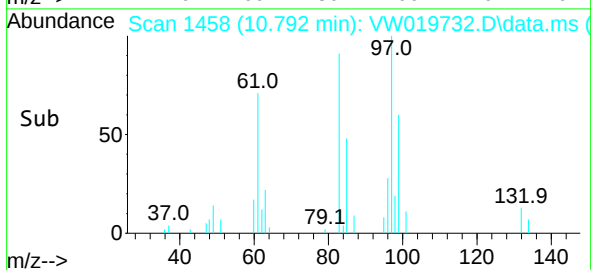
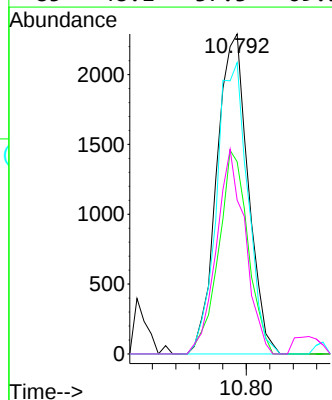
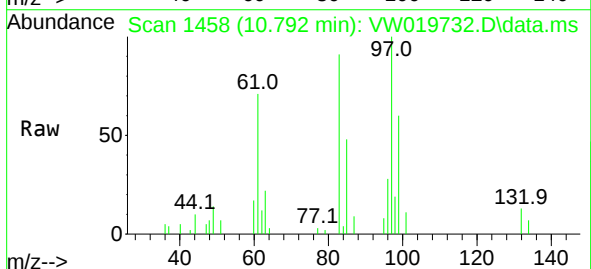
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

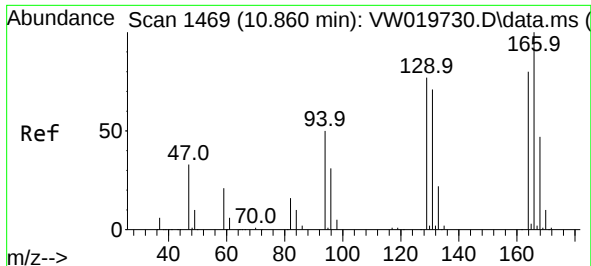
Tgt Ion: 91 Resp: 27149
Ion Ratio Lower Upper
91 100
92 59.8 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 1.122 ug/L
RT: 10.792 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion: 97 Resp: 4253
Ion Ratio Lower Upper
97 100
99 60.1 45.1 83.7
83 91.1 58.1 107.9
85 48.1 37.3 69.3



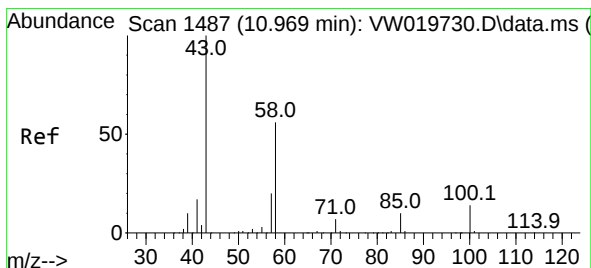
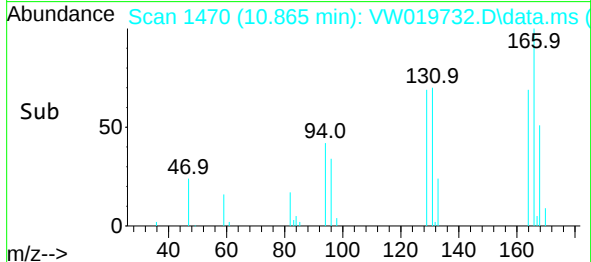
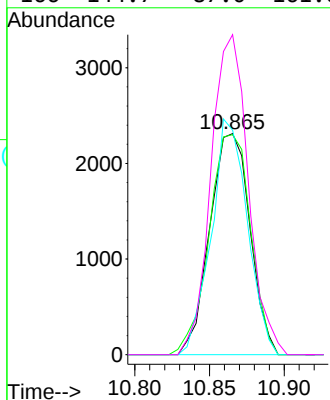
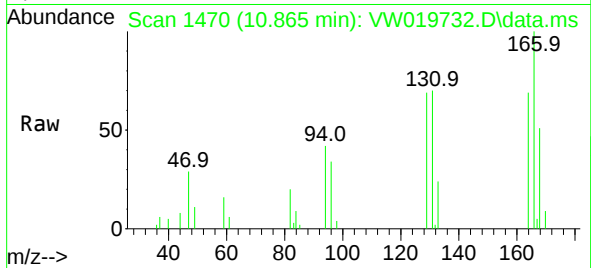


#46
Tetrachloroethene
Concen: 1.129 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

Tgt Ion:164 Resp: 4316

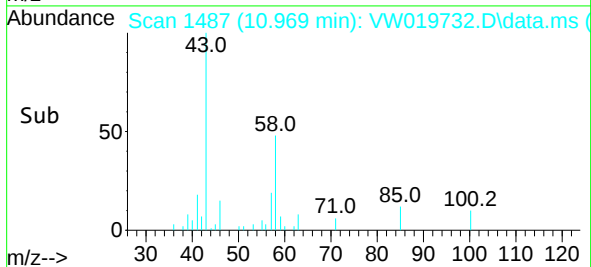
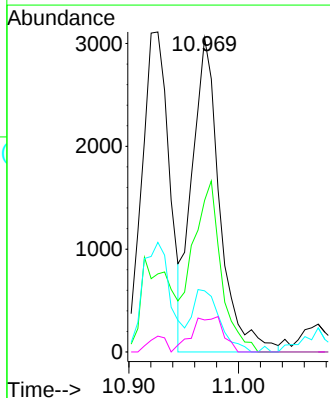
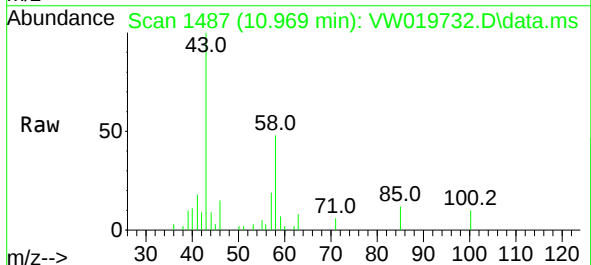
Ion	Ratio	Lower	Upper
164	100		
129	99.5	66.7	123.9
131	101.5	61.1	113.5
166	144.7	87.0	161.6

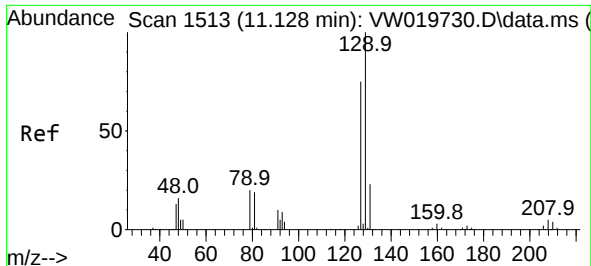


#48
2-Hexanone
Concen: 2.486 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion: 43 Resp: 5386

Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.7	64.1#
57	19.4	15.8	23.8
100	6.6	10.0	15.0#





#49

Dibromochloromethane

Concen: 1.055 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:129 Resp: 4430

Ion Ratio Lower Upper

129 100

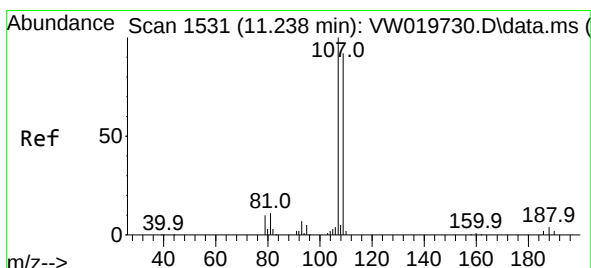
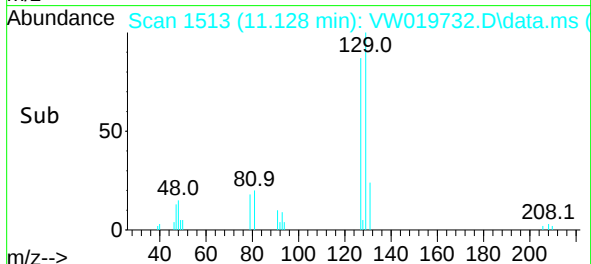
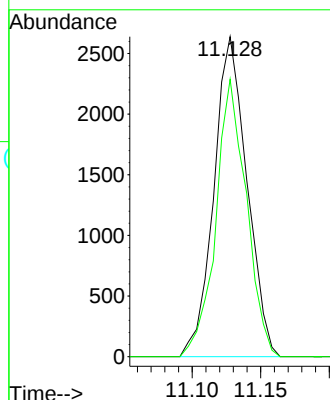
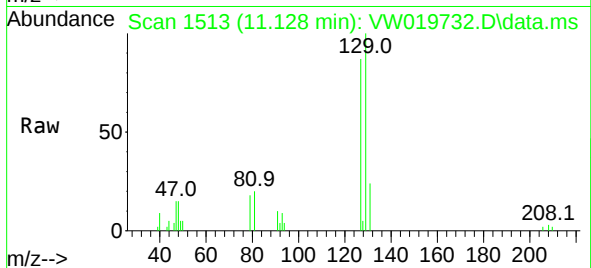
127 86.7 51.7 95.9

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2021-08



#50

1,2-Dibromoethane

Concen: 1.087 ug/L

RT: 11.237 min Scan# 1531

Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

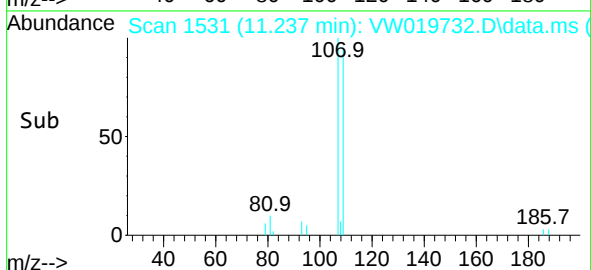
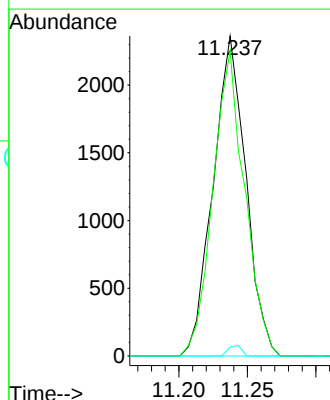
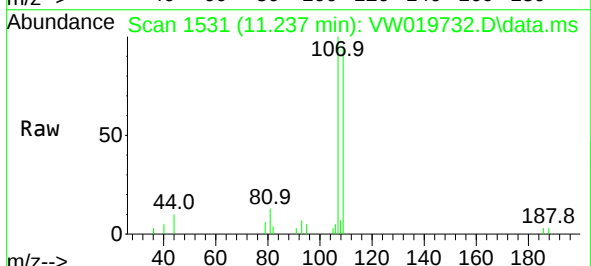
Tgt Ion:107 Resp: 3921

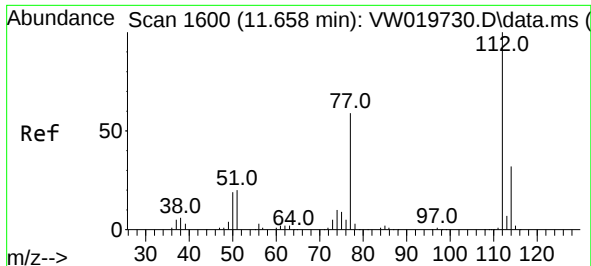
Ion Ratio Lower Upper

107 100

109 95.3 65.4 121.4

188 2.8 2.6 4.0

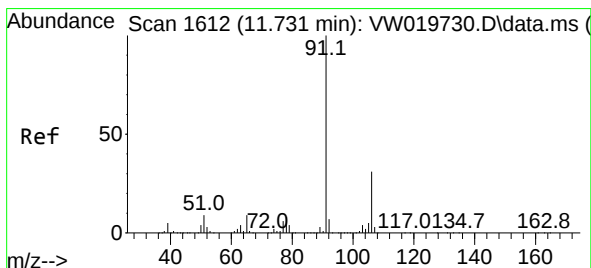
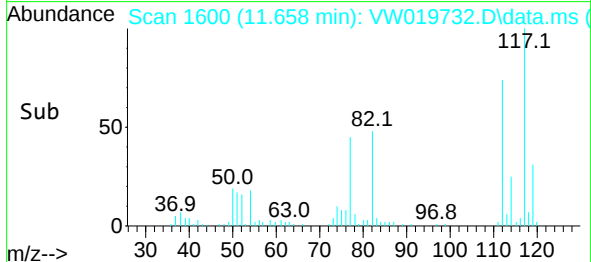
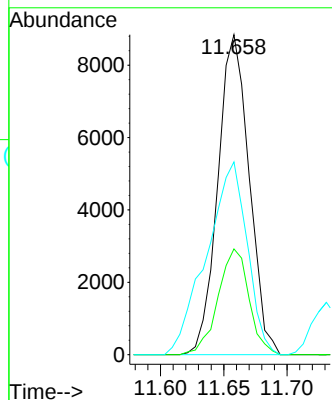
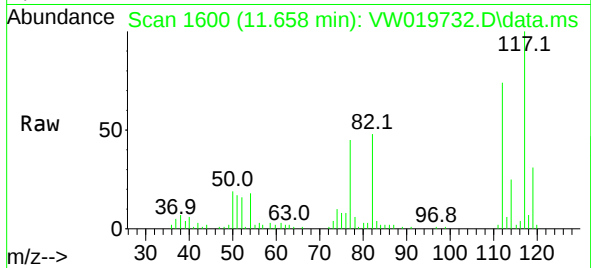




#51
Chlorobenzene
Concen: 1.154 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

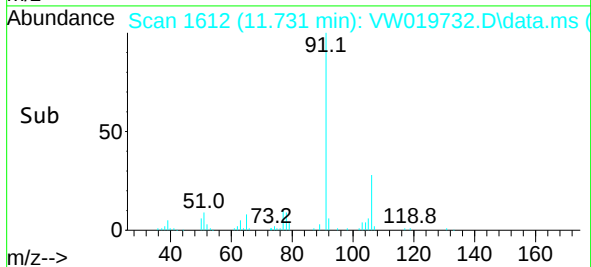
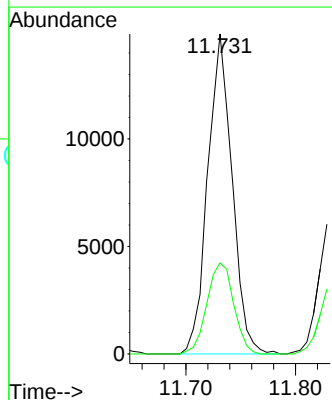
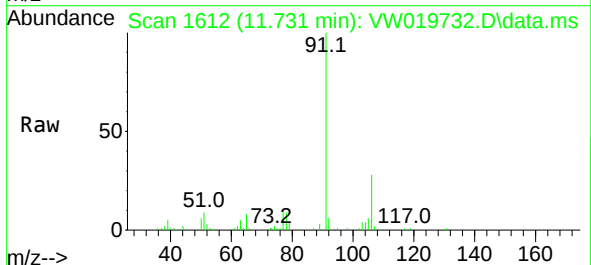
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

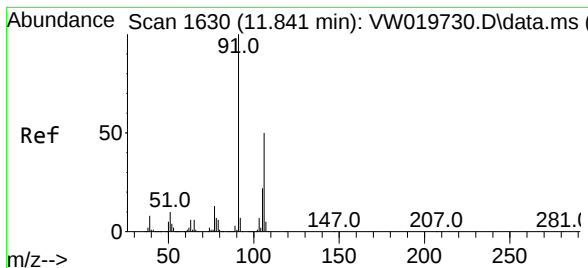
Tgt Ion:	112	Resp:	15196
Ion	Ratio	Lower	Upper
112	100		
114	33.0	23.4	43.6
77	60.3	47.6	71.4



#52
Ethylbenzene
Concen: 1.021 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:	91	Resp:	23029
Ion	Ratio	Lower	Upper
91	100		
106	28.5	22.5	41.7

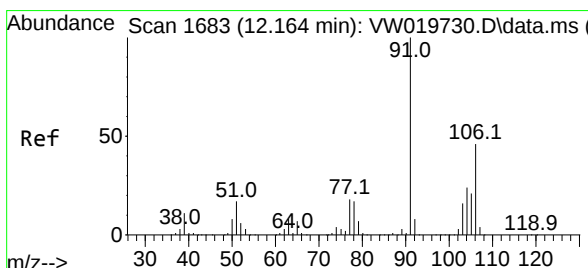
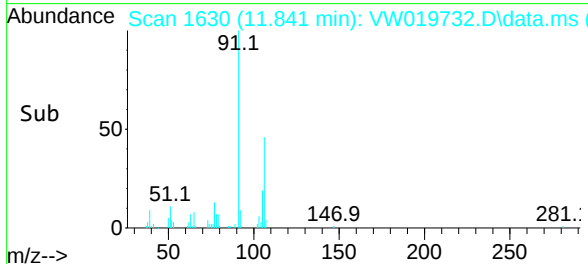
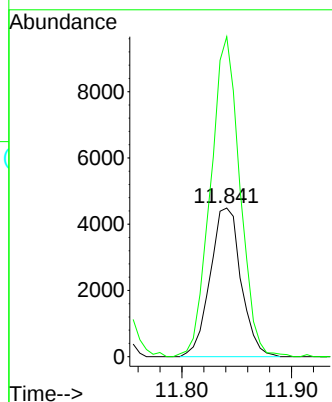
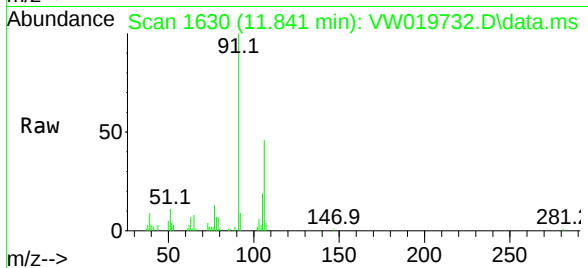




#53
m,p-Xylene
Concen: 1.023 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

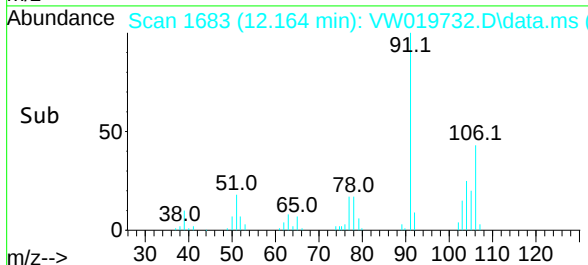
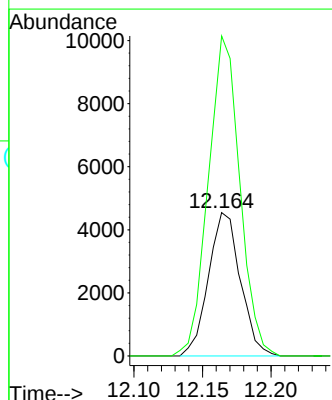
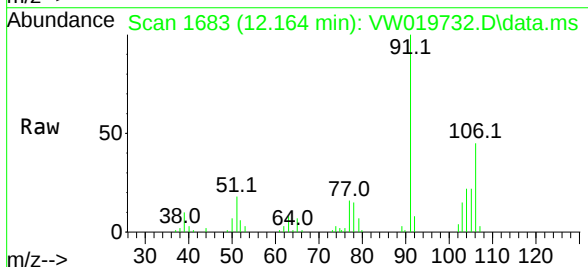
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

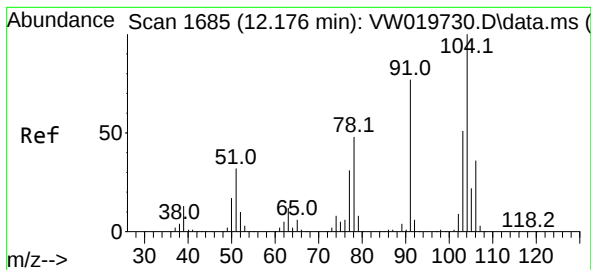
Tgt Ion:106 Resp: 8782
Ion Ratio Lower Upper
106 100
91 215.2 141.3 262.3



#54
o-Xylene
Concen: 0.888 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:106 Resp: 7363
Ion Ratio Lower Upper
106 100
91 223.1 150.0 278.6





#55

Styrene

Concen: 0.839 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW019732.D

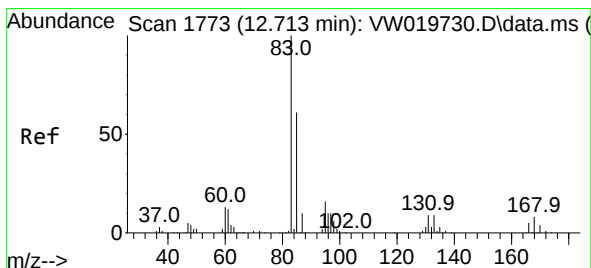
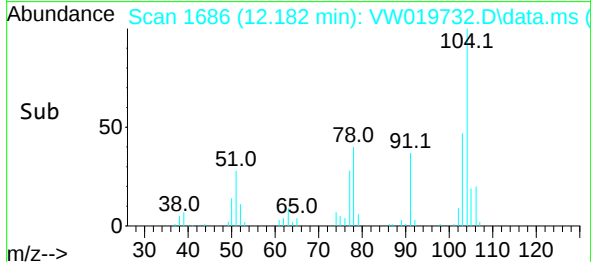
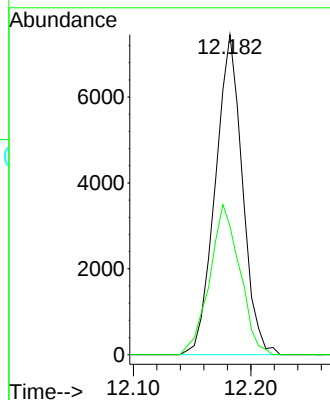
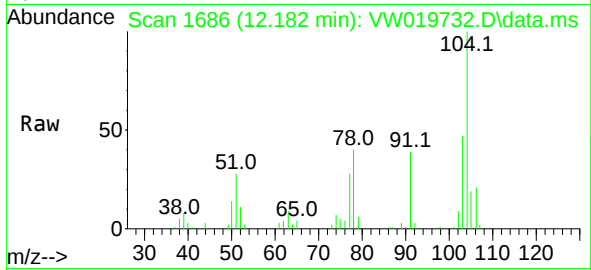
Acq: 13 Aug 2021 12:20

Tgt Ion:104 Resp: 11942

Ion Ratio Lower Upper

104 100

78 40.1 32.5 60.3



#57

1,1,2,2-Tetrachloroethane

Concen: 1.241 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

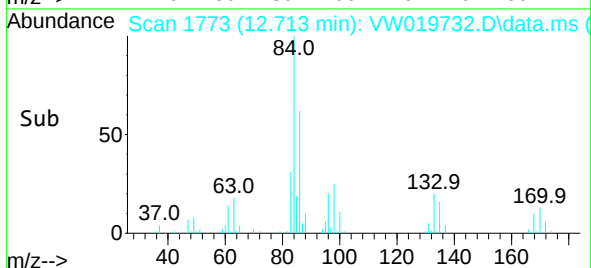
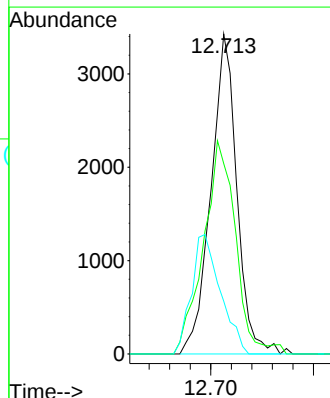
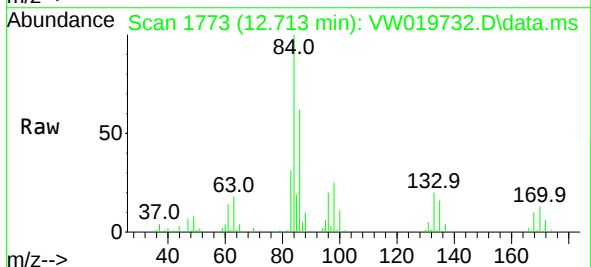
Tgt Ion: 83 Resp: 5984

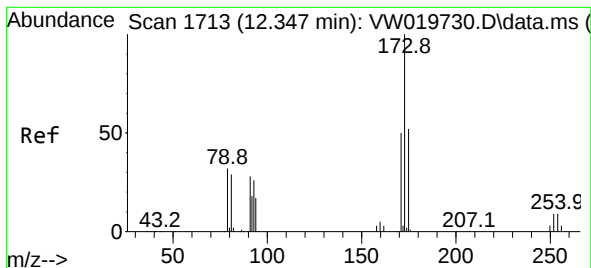
Ion Ratio Lower Upper

83 100

85 59.5 44.4 82.4

131 19.6 8.2 12.4#





#59

Bromoform

Concen: 1.044 ug/L

RT: 12.353 min Scan# 1714

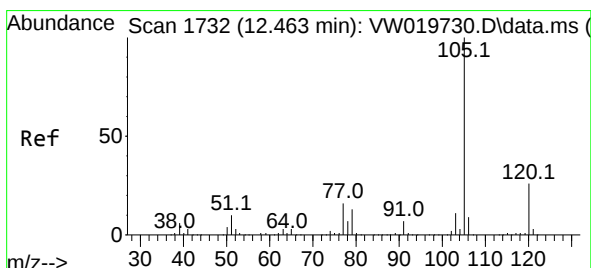
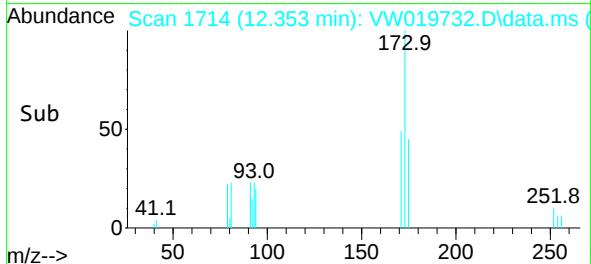
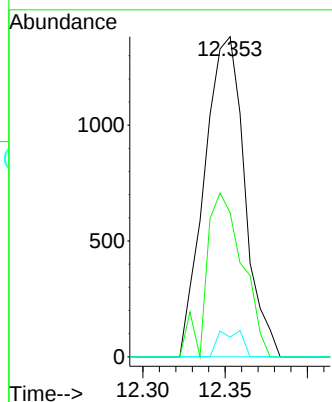
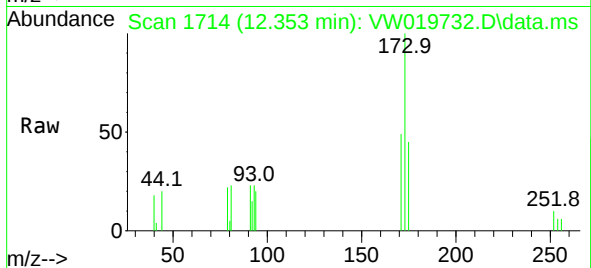
Delta R.T. 0.006 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:	173	Resp:	2348
Ion Ratio	Lower	Upper	
173	100		
175	43.4	37.5	56.3
254	4.8	7.0	10.4#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08



#60

Isopropylbenzene

Concen: 0.960 ug/L

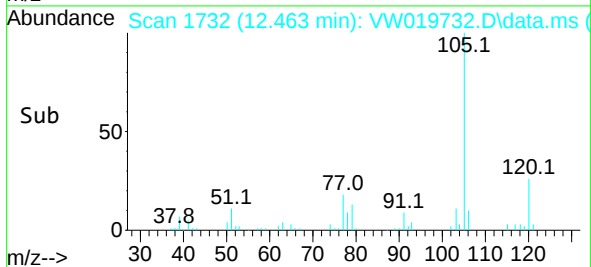
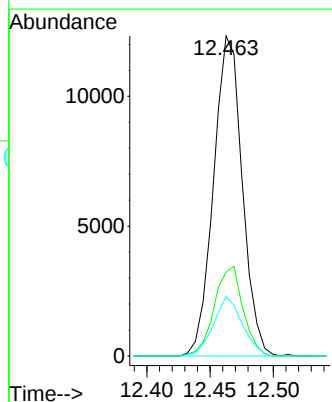
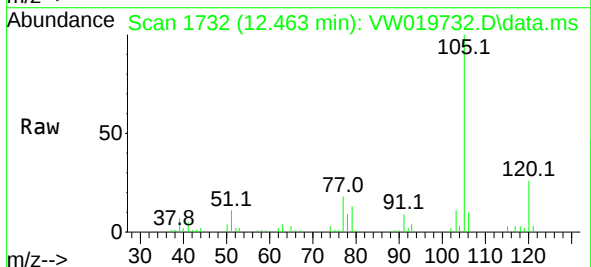
RT: 12.463 min Scan# 1732

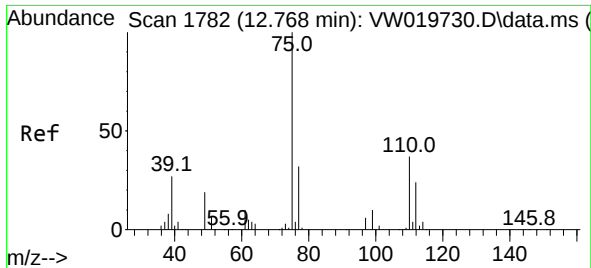
Delta R.T. -0.000 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion:	105	Resp:	19427
Ion Ratio	Lower	Upper	
105	100		
120	28.0	21.1	31.7
77	18.7	13.2	19.8

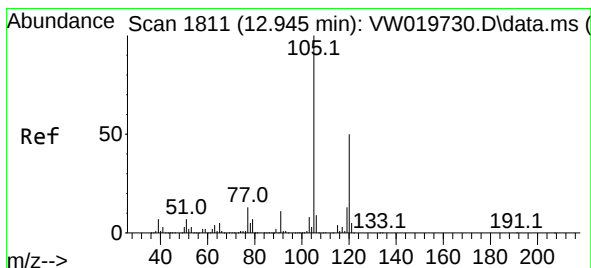
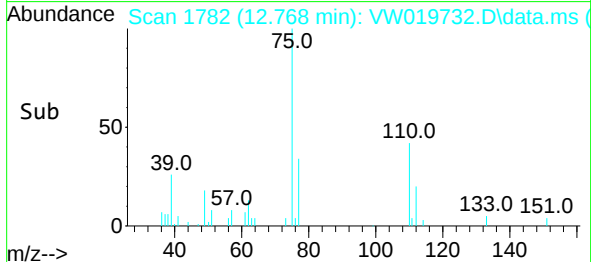
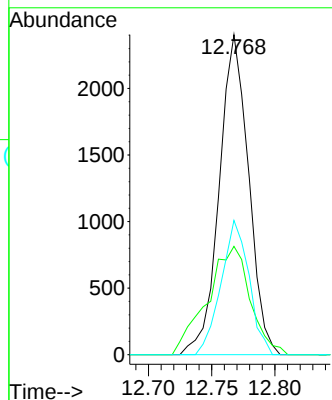
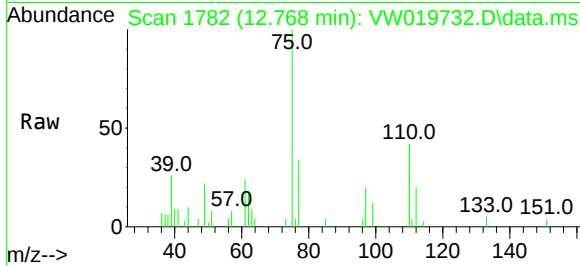




#61
1,2,3-Trichloropropane
Concen: 1.158 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

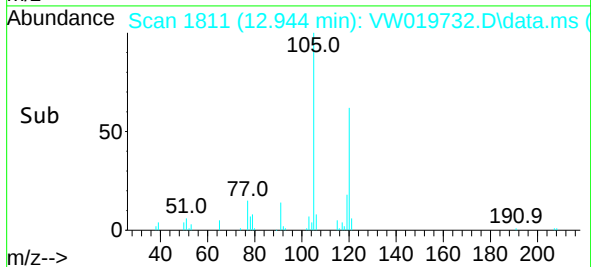
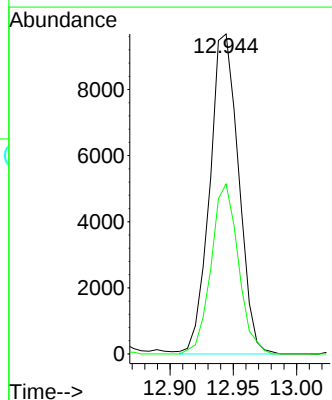
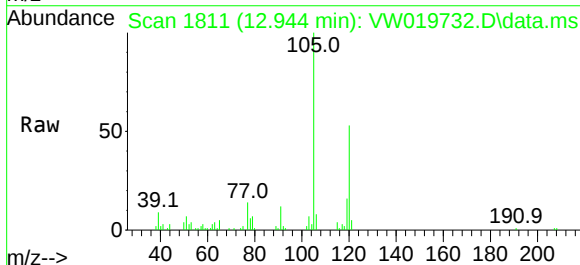
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

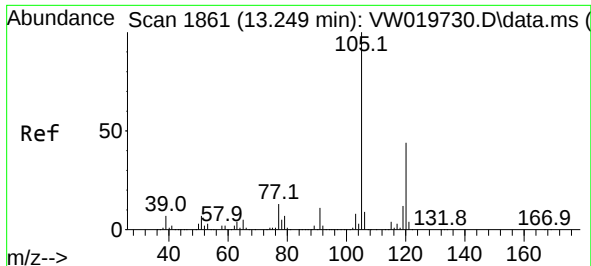
Tgt Ion:	75	Resp:	3875
Ion	Ratio	Lower	Upper
75	100		
77	49.7	25.3	37.9#
110	39.9	32.6	48.8



#62
1,3,5-Trimethylbenzene
Concen: 0.911 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:	105	Resp:	15355
Ion	Ratio	Lower	Upper
105	100		
120	50.0	39.0	58.6

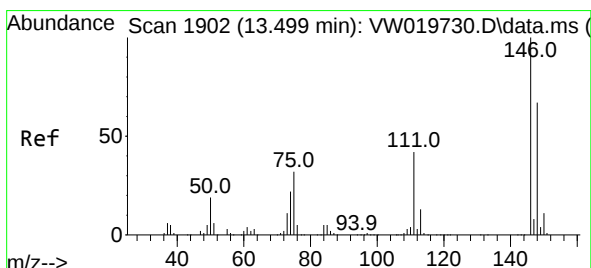
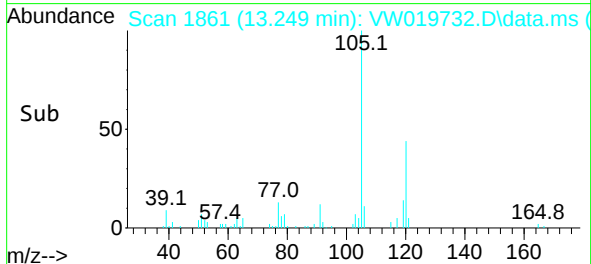
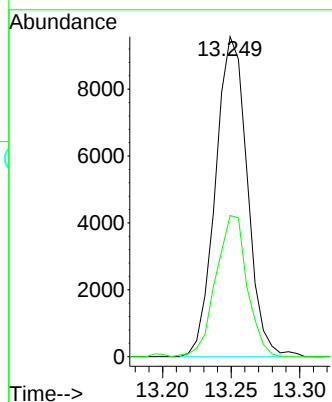
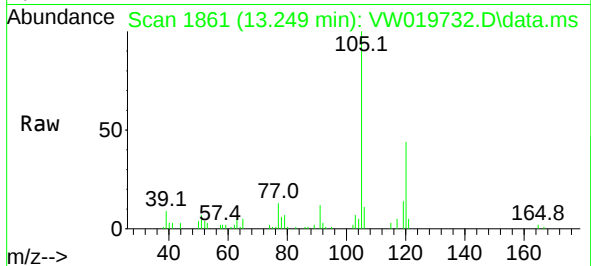




#63
1,2,4-Trimethylbenzene
Concen: 0.875 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

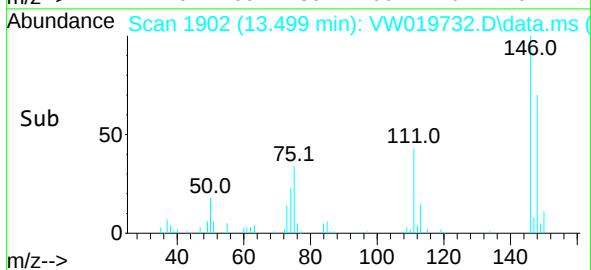
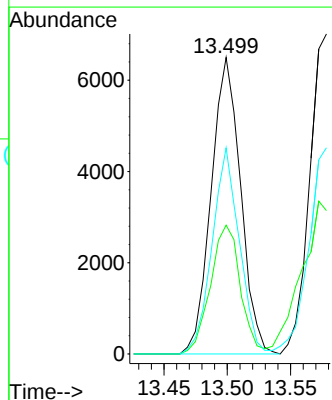
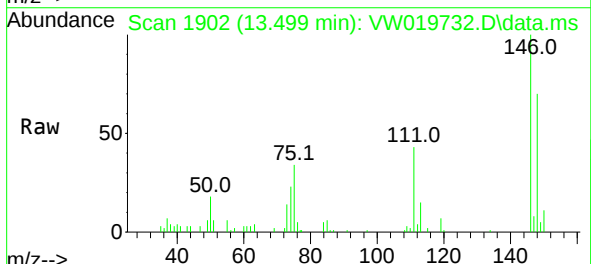
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

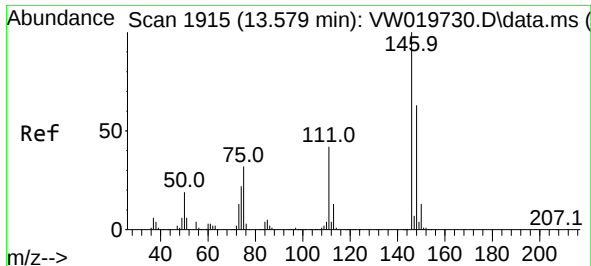
Tgt Ion:105 Resp: 15383
Ion Ratio Lower Upper
105 100
120 43.6 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 1.072 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:146 Resp: 10509
Ion Ratio Lower Upper
146 100
111 43.5 26.7 49.7
148 69.5 41.1 76.3

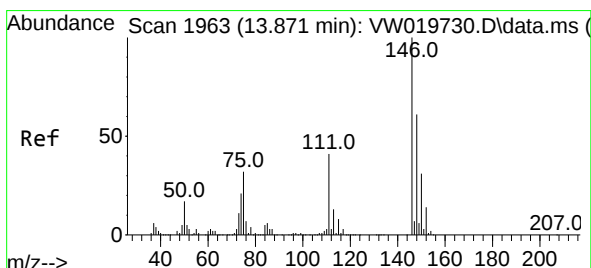
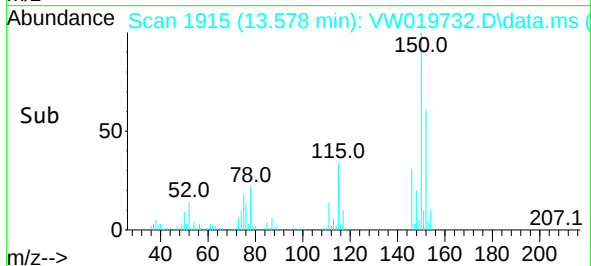
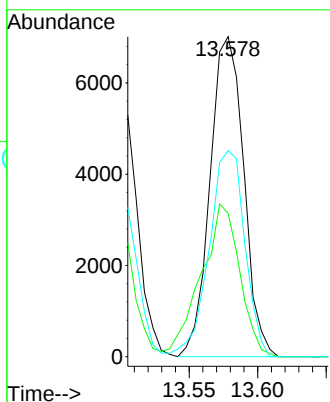
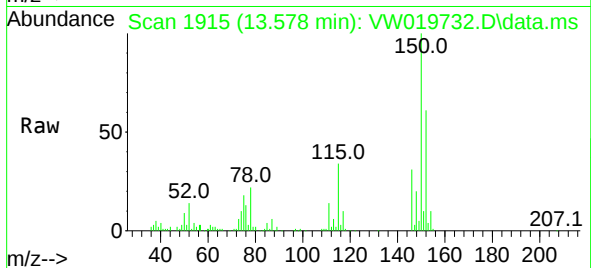




#65
1,4-Dichlorobenzene
Concen: 1.213 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

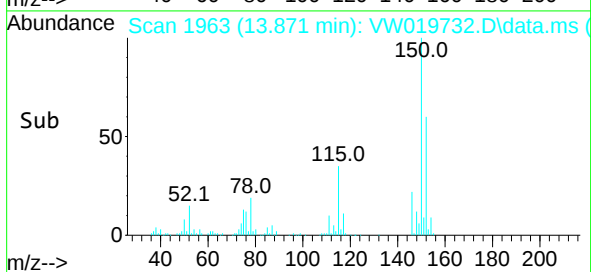
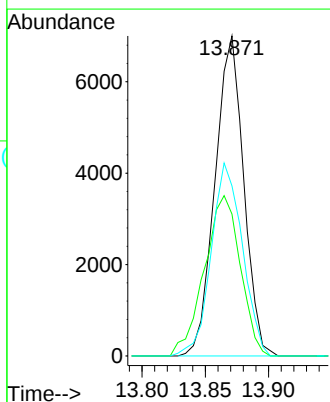
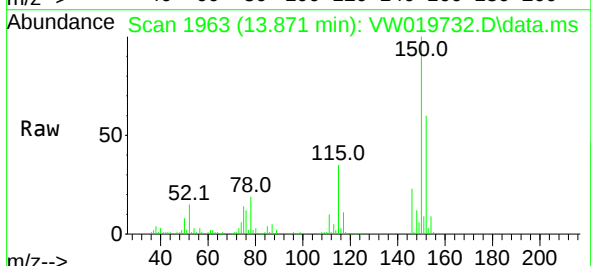
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

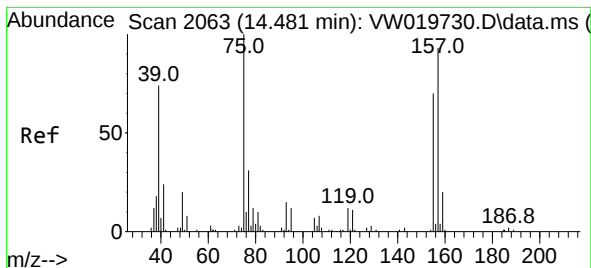
Tgt Ion:	146	Resp:	11983
Ion Ratio	Lower	Upper	
146	100		
111	44.8	28.8	53.4
148	64.5	46.8	87.0



#67
1,2-Dichlorobenzene
Concen: 1.284 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

Tgt Ion:	146	Resp:	11045
Ion Ratio	Lower	Upper	
146	100		
111	44.3	33.2	49.8
148	53.2	50.4	75.6





#68

1,2-Dibromo-3-chloropropane

Concen: 2.451 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.140 min

Lab File: VW019732.D

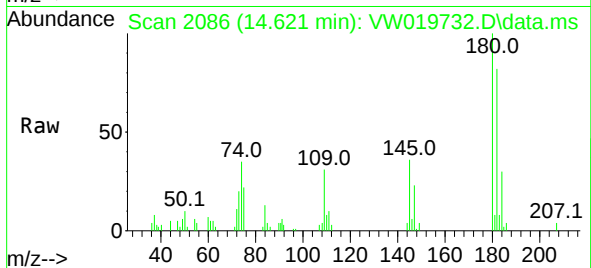
Acq: 13 Aug 2021 12:20

Instrument :

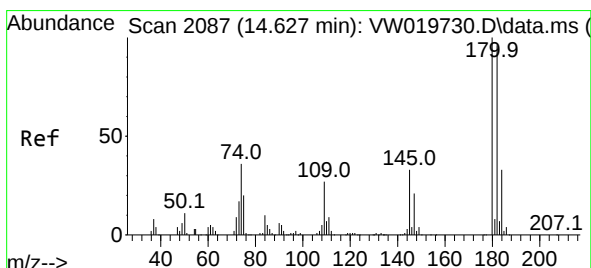
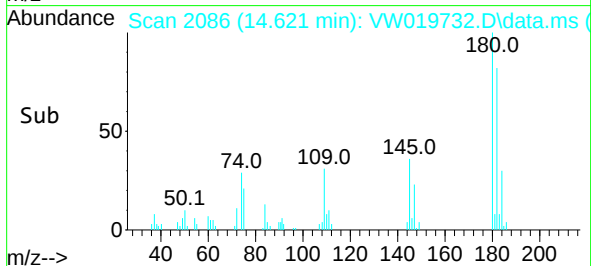
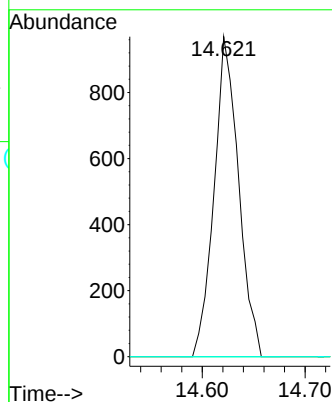
MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2021-08



Tgt Ion: 75	Resp: 1601
Ion Ratio	Lower Upper
75	100
155	0.0 59.4 89.0#
157	0.0 72.2 108.2#



#69

1,3,5-Trichlorobenzene

Concen: 1.142 ug/L

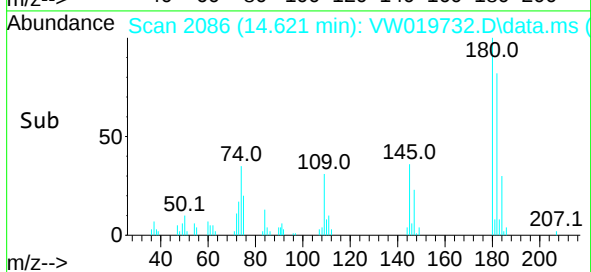
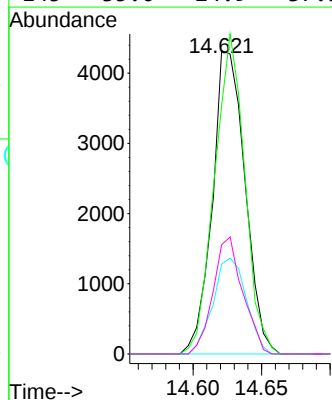
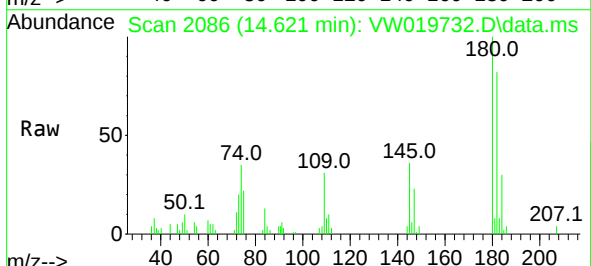
RT: 14.621 min Scan# 2086

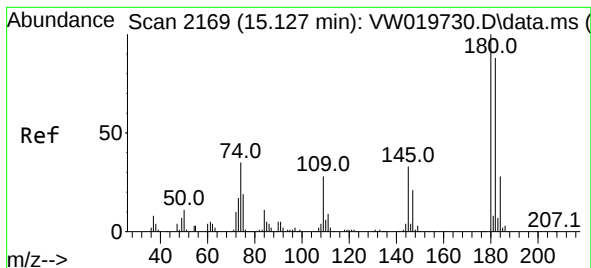
Delta R.T. -0.006 min

Lab File: VW019732.D

Acq: 13 Aug 2021 12:20

Tgt Ion: 180	Resp: 7148
Ion Ratio	Lower Upper
180	100
182	97.7 73.4 110.2
184	32.3 23.6 35.4
145	35.0 24.9 37.3

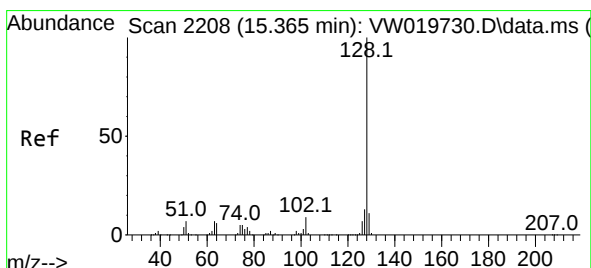
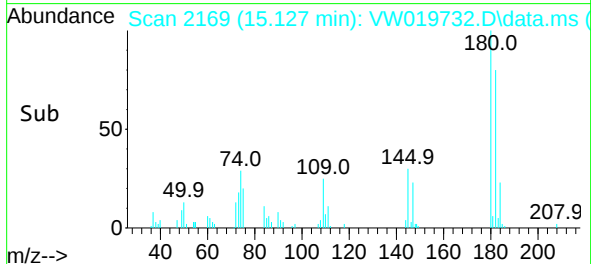
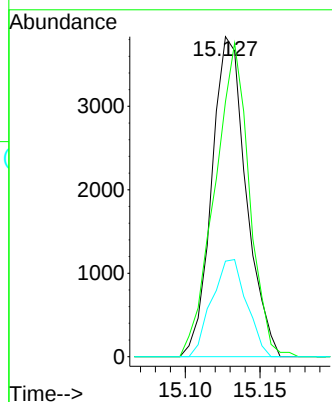
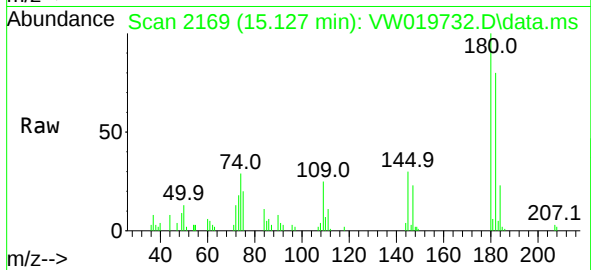




#70
1,2,4-trichlorobenzene
Concen: 1.162 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

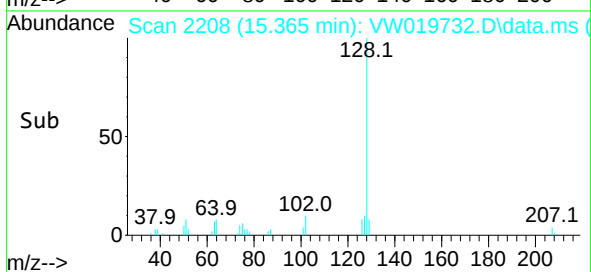
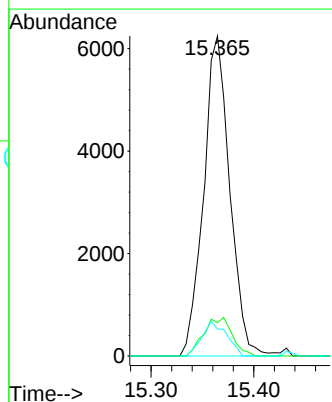
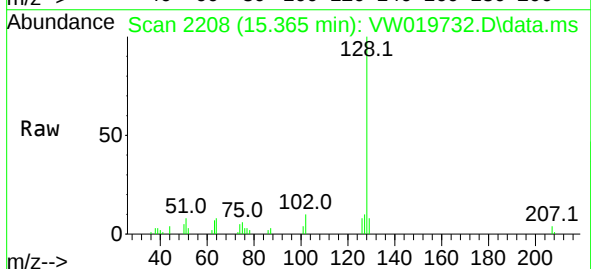
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2021-08

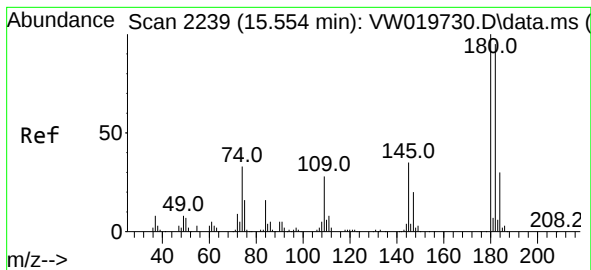
Tgt Ion:180 Resp: 6124
Ion Ratio Lower Upper
180 100
182 98.6 74.7 112.1
145 30.7 25.0 37.4



#71
Naphthalene
Concen: 1.079 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019732.D
Acq: 13 Aug 2021 12:20

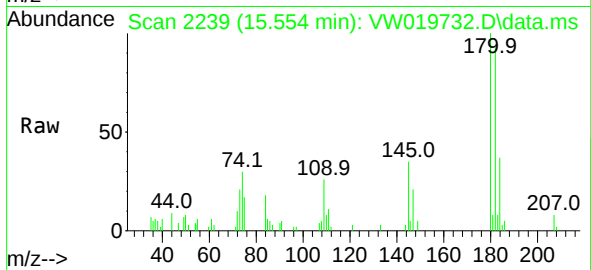
Tgt Ion:128 Resp: 11053
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.2 9.0 13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1.249 ug/L
 RT: 15.554 min Scan# 2239
 Delta R.T. -0.000 min
 Lab File: VW019732.D
 Acq: 13 Aug 2021 12:20

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2021-08



Tgt Ion:180 Resp: 5824
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.7 115.1
 145 38.5 28.9 43.3

