

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021122\
 Data File : VU047122.D
 Acq On : 11 Feb 2022 17:55
 Operator : SY/MD
 Sample : N1331-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Quant Time: Feb 12 01:30:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 12 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	433179	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	404967	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	208039	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	148548	37.759	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.520%
7) Chloroethane-d5	1.919	69	127994	43.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.780%
11) 1,1-Dichloroethene-d2	2.575	63	205811	31.568	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.140%
21) 2-Butanone-d5	4.629	46	369666	121.156	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.160%
24) Chloroform-d	5.067	84	285969	44.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.560%
26) 1,2-Dichloroethane-d4	5.703	65	196706	47.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
32) Benzene-d6	5.729	84	600396	44.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.180%
36) 1,2-Dichloropropane-d6	6.694	67	202797	46.448	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.900%
41) Toluene-d8	7.899	98	567387	44.262	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.520%
43) trans-1,3-Dichloroprop...	8.179	79	103693	45.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.640%
47) 2-Hexanone-d5	8.632	63	268870	107.491	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.490%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	305637	48.008	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	228431	46.297	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	7789	1.930	ug/L	100
3) Chloromethane	1.527	50	8257	2.067	ug/L	98
5) Vinyl chloride	1.607	62	8974	2.230	ug/L #	74
6) Bromomethane	1.864	94	5071	2.166	ug/L	91
8) Chloroethane	1.941	64	5087	2.192	ug/L	93
9) Trichlorofluoromethane	2.144	101	9523	2.043	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	7329	2.553	ug/L #	81
12) 1,1-Dichloroethene	2.588	96	6797	2.413	ug/L #	1
13) Acetone	2.645	43	9686	4.358	ug/L	97
14) Carbon disulfide	2.800	76	17595	1.990	ug/L	98
15) Methyl Acetate	2.957	43	8551	2.286	ug/L	98
16) Methylene chloride	3.054	84	7649	2.454	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	6162	2.082	ug/L	92
18) Methyl tert-butyl Ether	3.366	73	19651	1.963	ug/L #	88
19) 1,1-Dichloroethane	3.877	63	11058	1.990	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	6900	2.108	ug/L	100
22) 2-Butanone	4.719	43	12520	4.198	ug/L	100
23) Bromochloromethane	4.983	128	3348	1.929	ug/L	93
27) 1,2-Dichloroethane	5.796	62	9493	2.194	ug/L	100

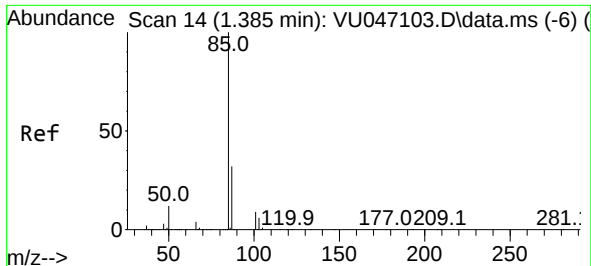
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.395	56	10813	2.037	ug/L	92
30) 1,1,1-Trichloroethane	5.324	97	10349	2.134	ug/L	97
31) Carbon tetrachloride	5.530	117	8449	2.009	ug/L	96
33) Benzene	5.777	78	26149	2.070	ug/L	100
35) Methylcyclohexane	6.767	83	9980	1.813	ug/L	93
37) 1,2-Dichloropropane	6.796	63	6878	2.033	ug/L #	96
38) Bromodichloromethane	7.108	83	8997	2.086	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	11214	2.039	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	22639	4.225	ug/L #	94
42) Toluene	7.973	91	36007	2.595	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	11051	2.092	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	6874	2.157	ug/L	99
46) Tetrachloroethene	8.555	164	5372	2.035	ug/L	89
48) 2-Hexanone	8.690	43	38431	8.674	ug/L #	93
49) Dibromochloromethane	8.812	129	7062	1.915	ug/L	97
50) 1,2-Dibromoethane	8.925	107	7028	1.985	ug/L #	97
51) Chlorobenzene	9.449	112	17927	2.015	ug/L	98
52) Ethylbenzene	9.571	91	30479	2.007	ug/L	100
53) m,p-Xylene	9.697	106	12006	1.993	ug/L	91
54) o-xylene	10.102	106	11578	1.952	ug/L	94
55) Styrene	10.115	104	18673	1.830	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.783	83	12860	2.289	ug/L #	97
59) Bromoform	10.295	173	5376	1.903	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	9774	2.204	ug/L	94
61) Isopropylbenzene	10.484	105	28741	1.965	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	19998	1.929	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	25350	2.014	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	13162	1.929	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	13562	1.977	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	13705	2.018	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	3434	2.430	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	9717	1.841	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	9217	1.842	ug/L	98
71) Naphthalene	14.089	128	35162	1.985	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	9530	1.913	ug/L	96

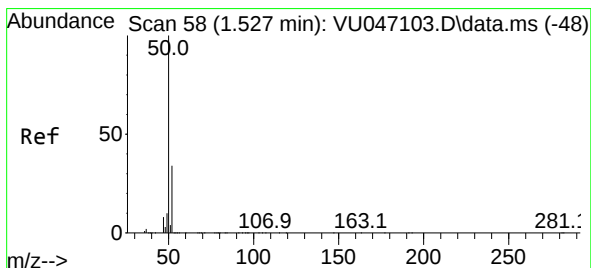
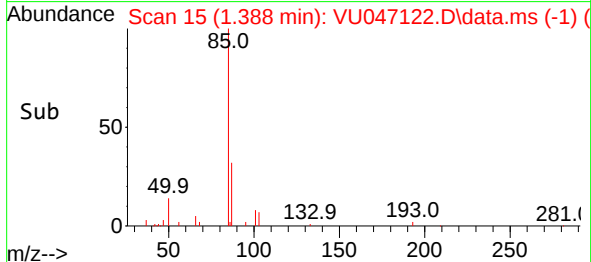
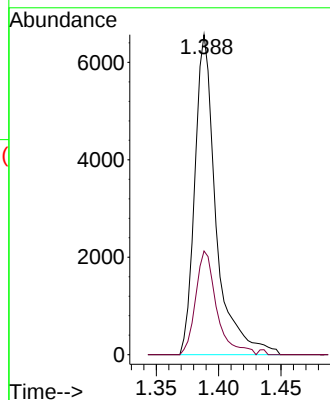
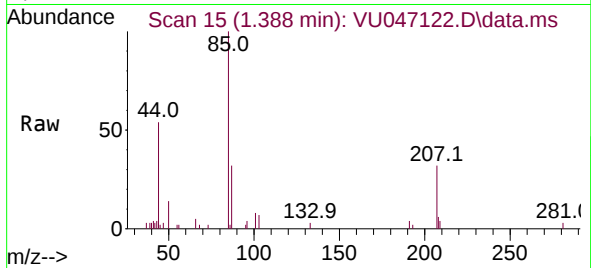
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#2
Dichlorodifluoromethane
Concen: 1.930 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

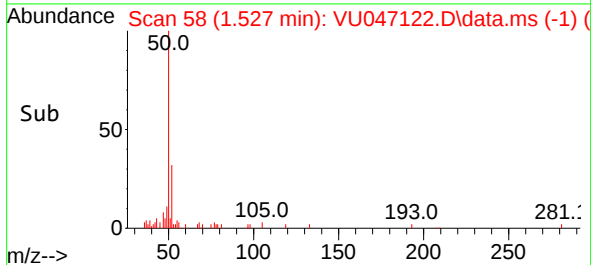
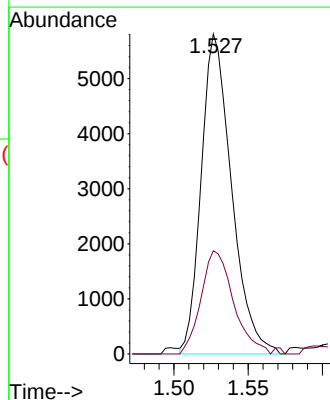
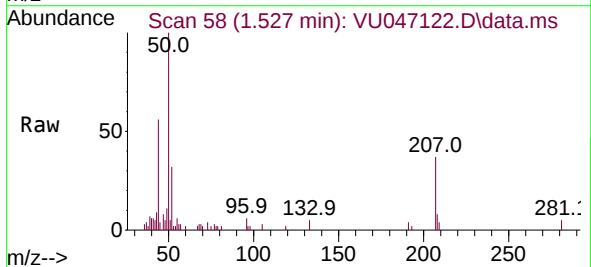
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

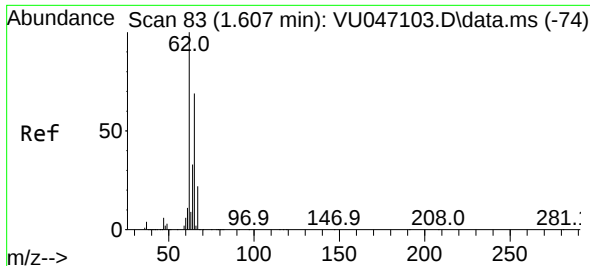
Tgt Ion: 85 Resp: 7789
Ion Ratio Lower Upper
85 100
87 32.1 25.6 38.4



#3
Chloromethane
Concen: 2.067 ug/L
RT: 1.527 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 50 Resp: 8257
Ion Ratio Lower Upper
50 100
52 32.2 23.2 43.2

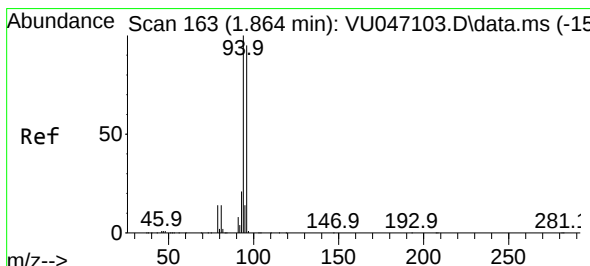
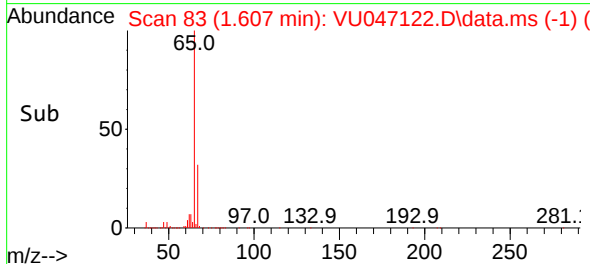
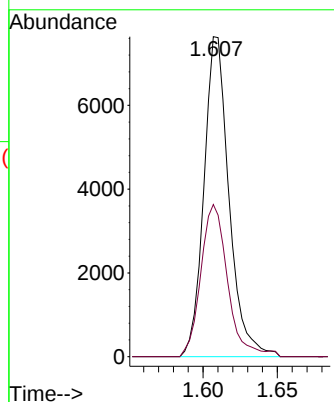
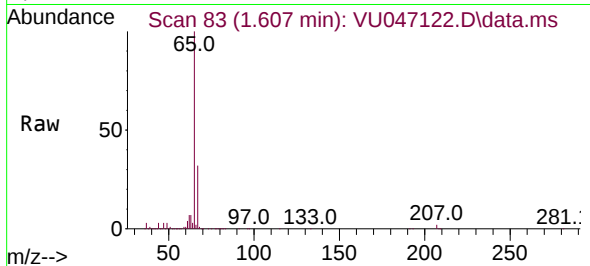




#5
 Vinyl chloride
 Concen: 2.230 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047122.D
 Acq: 11 Feb 2022 17:55

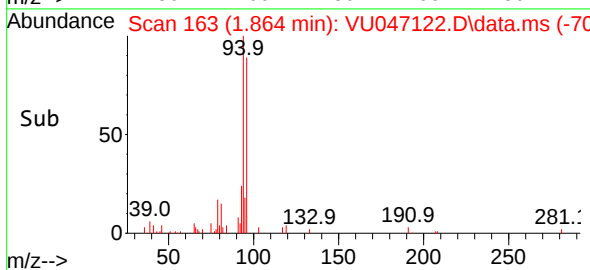
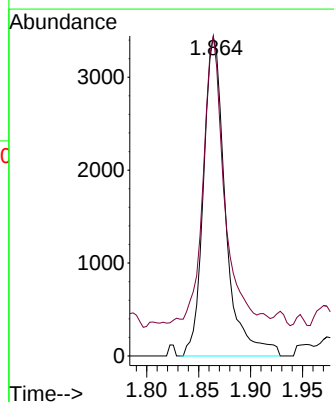
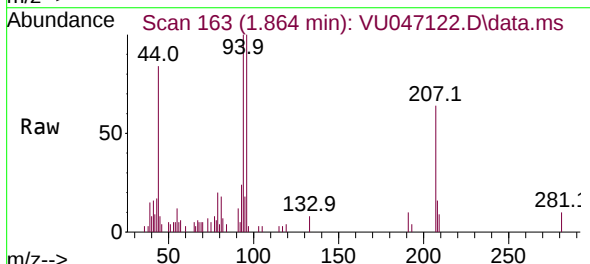
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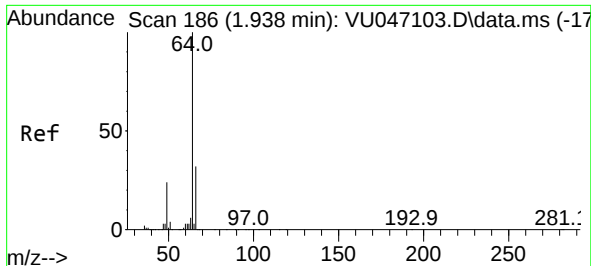
Tgt Ion: 62 Resp: 8974
 Ion Ratio Lower Upper
 62 100
 64 47.6 23.1 42.9#



#6
 Bromomethane
 Concen: 2.166 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU047122.D
 Acq: 11 Feb 2022 17:55

Tgt Ion: 94 Resp: 5071
 Ion Ratio Lower Upper
 94 100
 96 100.2 64.4 119.6

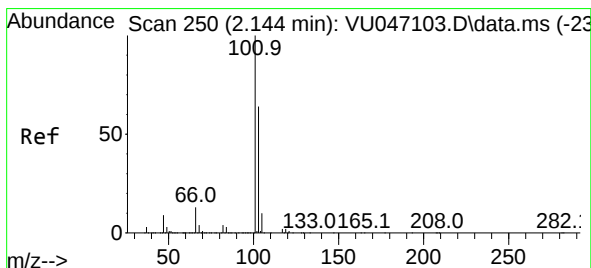
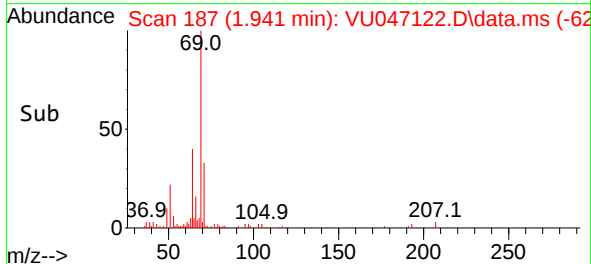
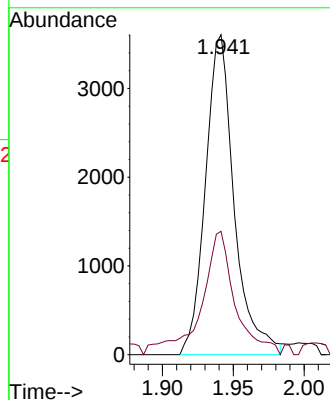
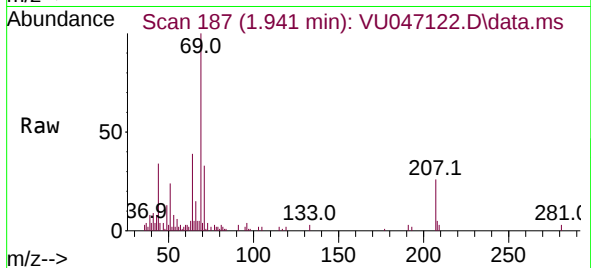




#8
Chloroethane
Concen: 2.192 ug/L
RT: 1.941 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

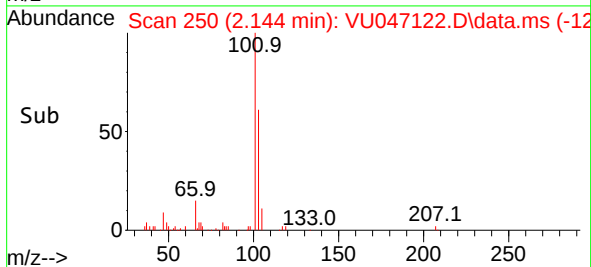
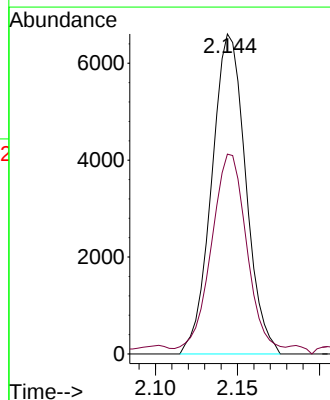
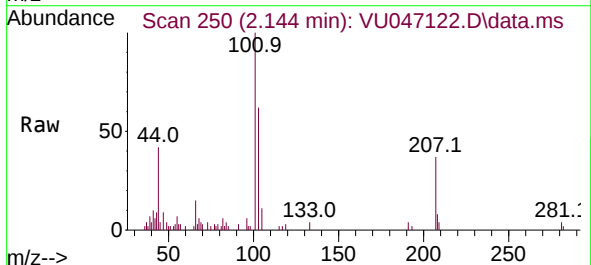
Instrument :
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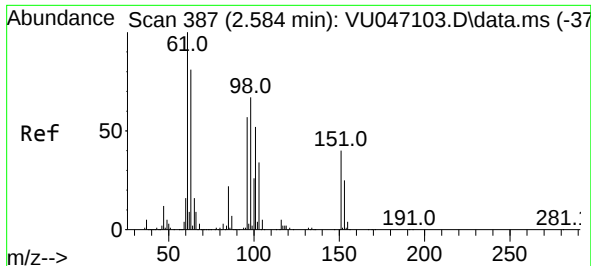
Tgt Ion: 64 Resp: 5087
Ion Ratio Lower Upper
64 100
66 38.6 24.4 45.2



#9
Trichlorofluoromethane
Concen: 2.043 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 101 Resp: 9523
Ion Ratio Lower Upper
101 100
103 63.3 52.0 78.0

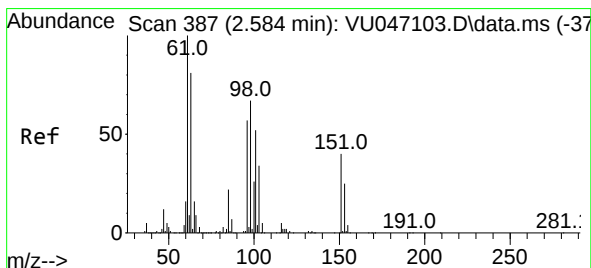
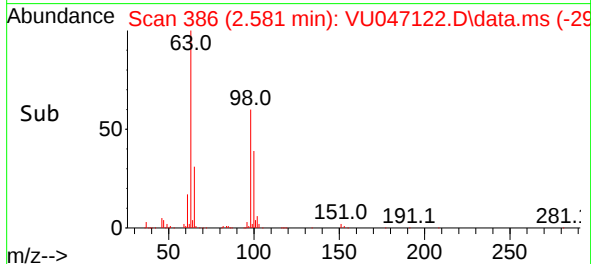
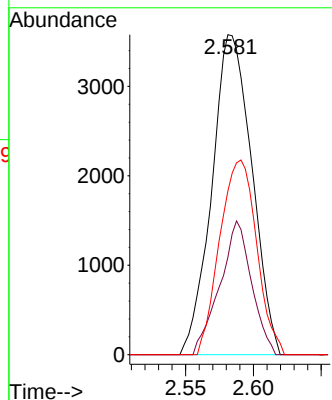
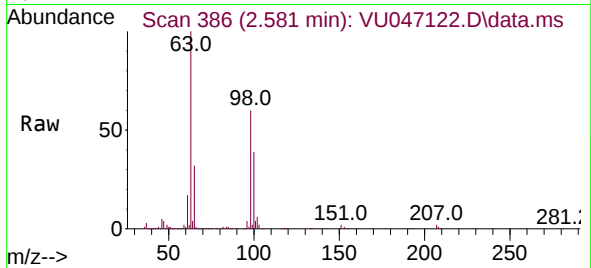




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.553 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

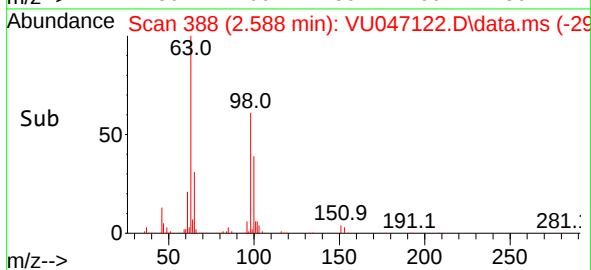
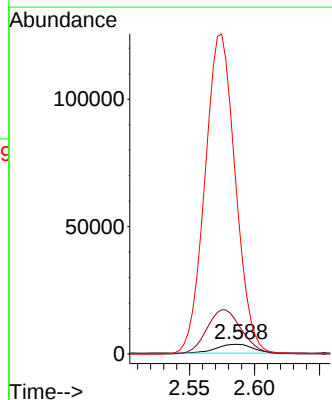
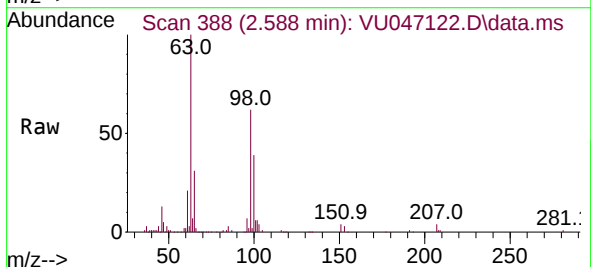
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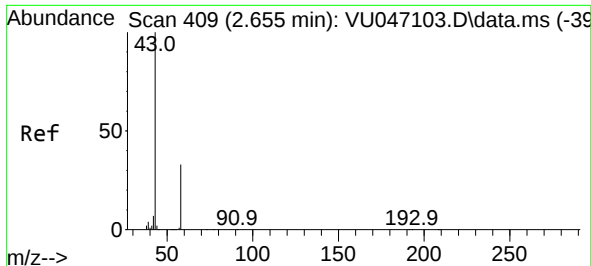
Tgt Ion:101 Resp: 7329
Ion Ratio Lower Upper
101 100
85 33.2 34.9 52.3#
151 56.2 58.3 87.5#



#12
1,1-Dichloroethene
Concen: 2.413 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 96 Resp: 6797
Ion Ratio Lower Upper
96 100
61 300.0 114.9 213.3#
63 1416.3 86.0 159.8#





#13

Acetone

Concen: 4.358 ug/L

RT: 2.645 min Scan# 409

Delta R.T. -0.010 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

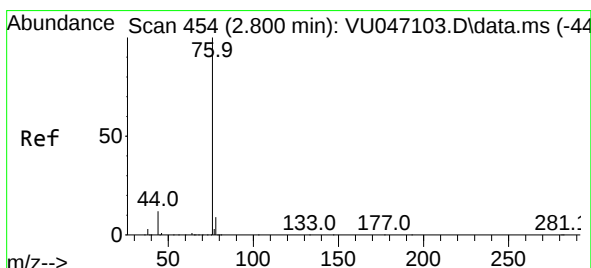
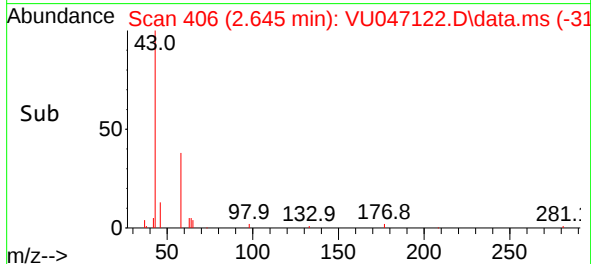
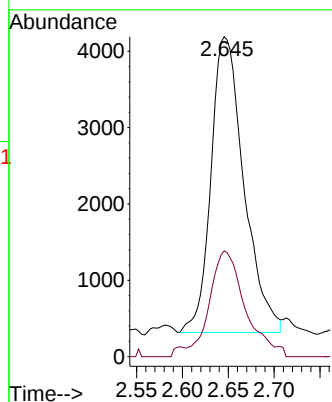
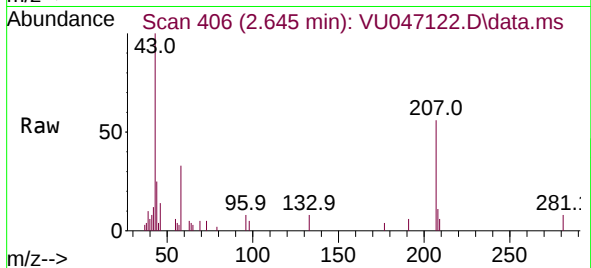
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 43 Resp: 9686

Ion Ratio Lower Upper

43 100

58 33.7 0.0 71.0



#14

Carbon disulfide

Concen: 1.990 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047122.D

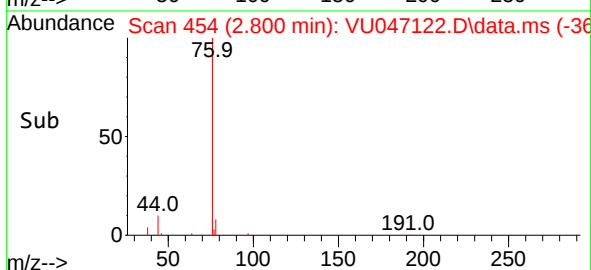
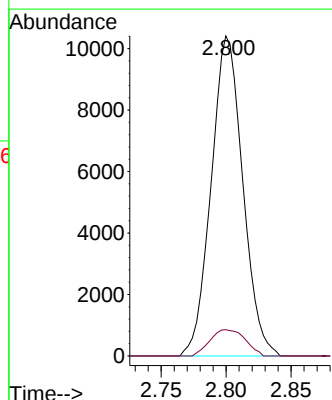
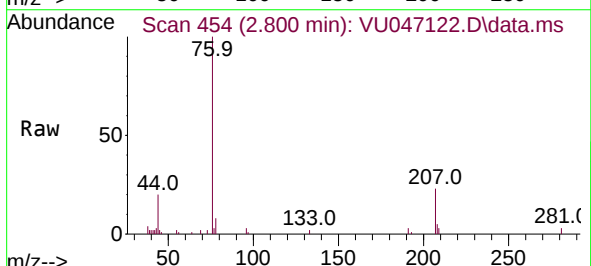
Acq: 11 Feb 2022 17:55

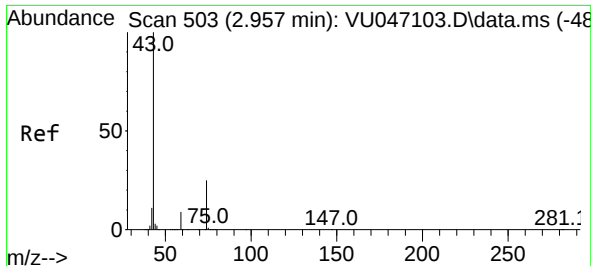
Tgt Ion: 76 Resp: 17595

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7

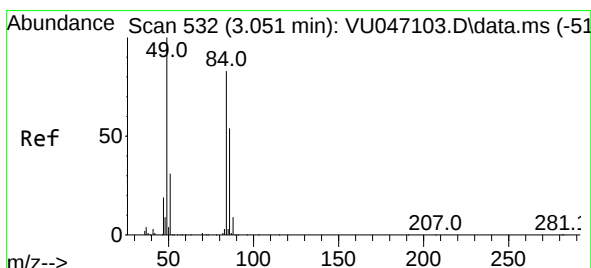
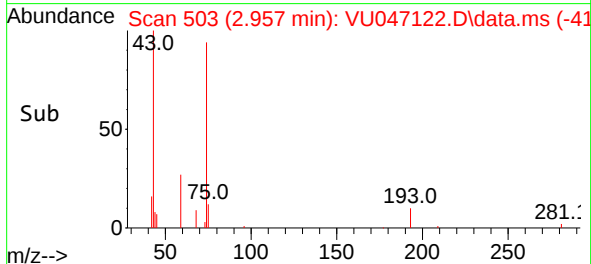
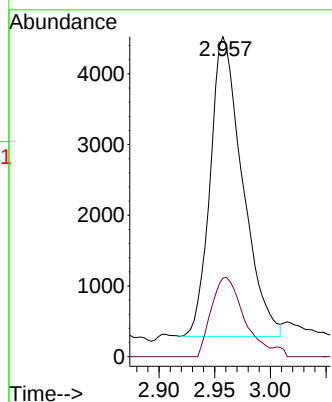
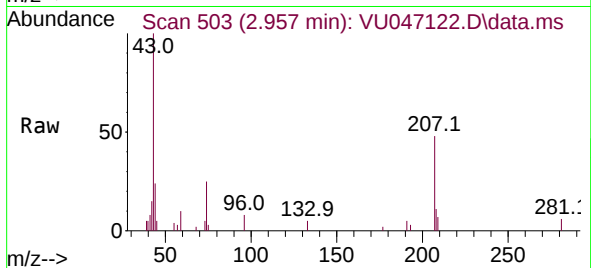




#15
Methyl Acetate
Concen: 2.286 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

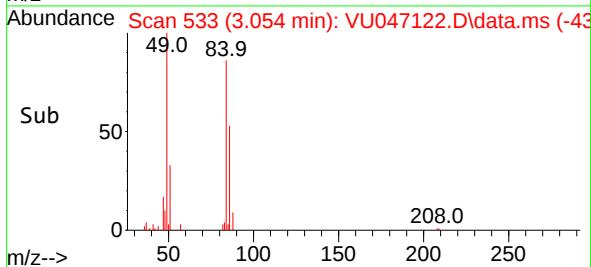
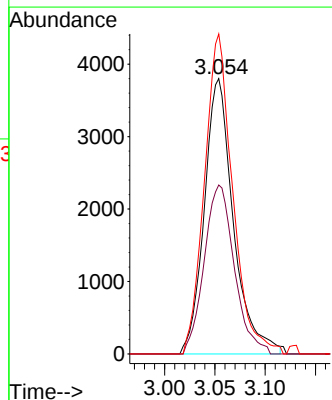
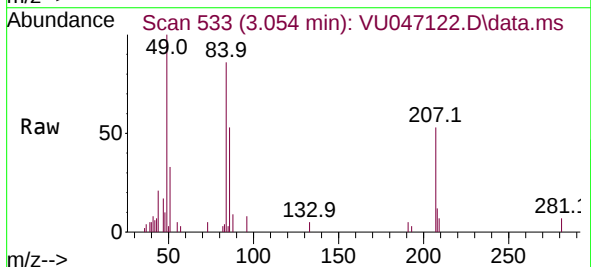
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

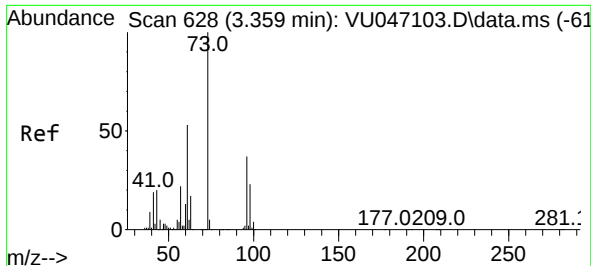
Tgt Ion: 43 Resp: 8551
Ion Ratio Lower Upper
43 100
74 26.7 22.3 33.5



#16
Methylene chloride
Concen: 2.454 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 84 Resp: 7649
Ion Ratio Lower Upper
84 100
86 61.3 44.7 82.9
49 116.2 75.9 141.1

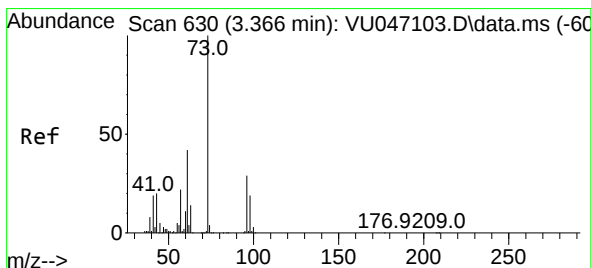
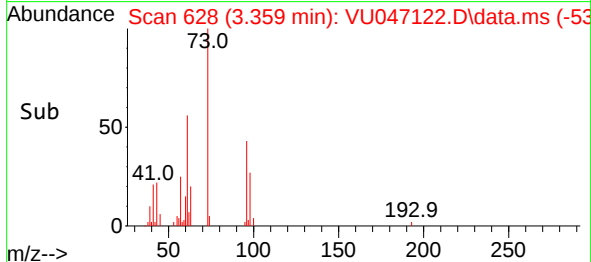
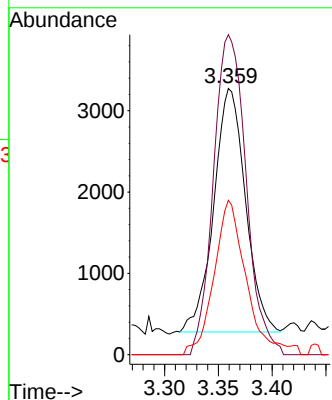
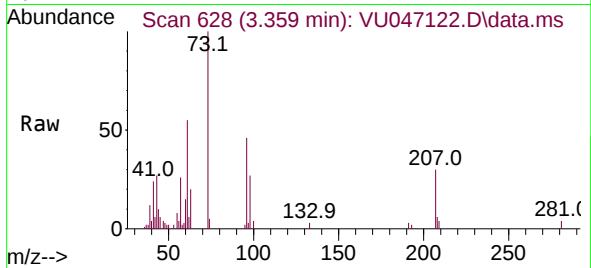




#17
trans-1,2-Dichloroethene
Concen: 2.082 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

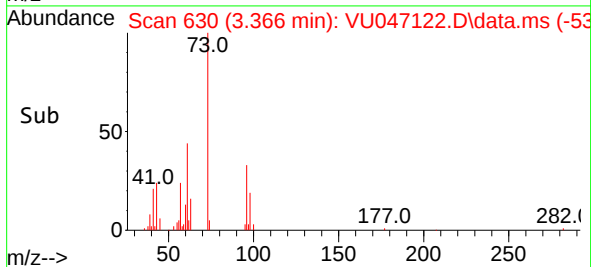
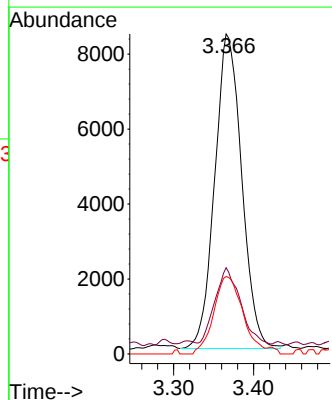
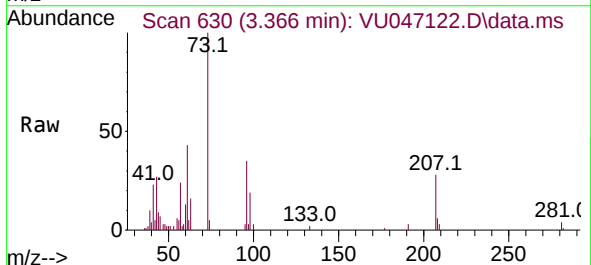
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

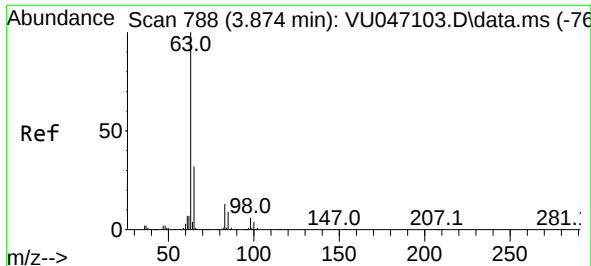
Tgt Ion: 96 Resp: 6162
Ion Ratio Lower Upper
96 100
61 120.2 92.5 171.9
98 58.0 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 1.963 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 73 Resp: 19651
Ion Ratio Lower Upper
73 100
43 22.9 14.1 21.1#
57 26.2 16.4 24.6#

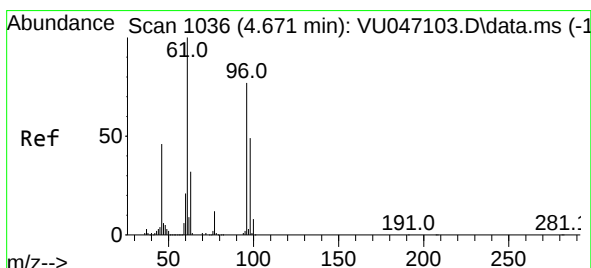
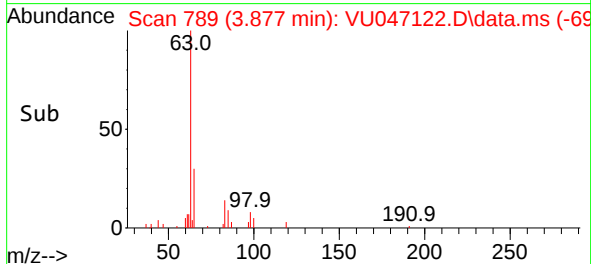
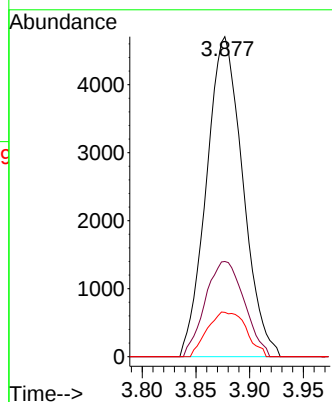
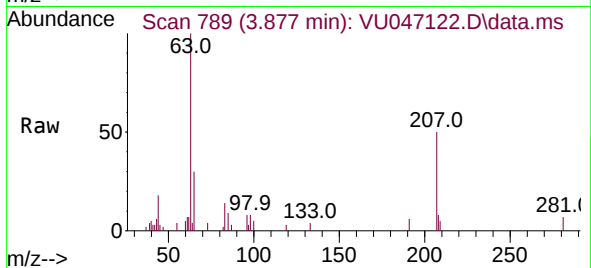




#19
1,1-Dichloroethane
Concen: 1.990 ug/L
RT: 3.877 min Scan# 788
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

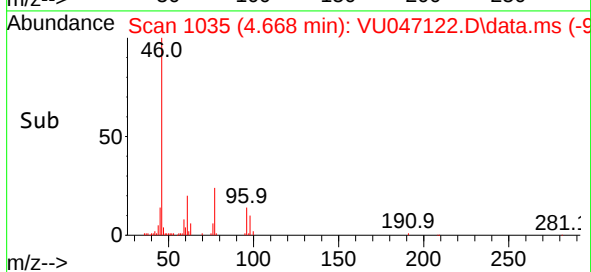
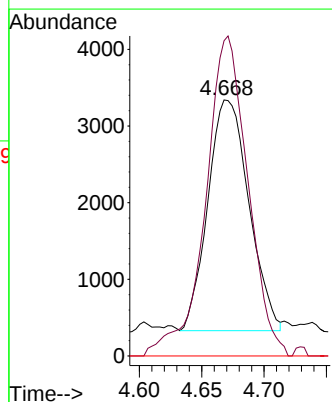
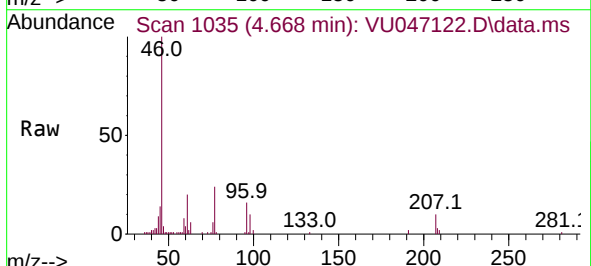
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

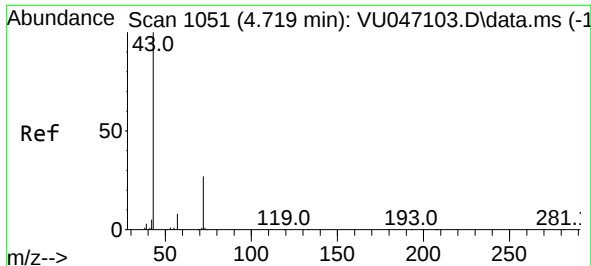
Tgt Ion: 63 Resp: 11058
Ion Ratio Lower Upper
63 100
65 29.8 22.8 42.4
83 13.9 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 2.108 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 96 Resp: 6900
Ion Ratio Lower Upper
96 100
61 123.1 86.0 159.6
68 0.0 0.0 0.0

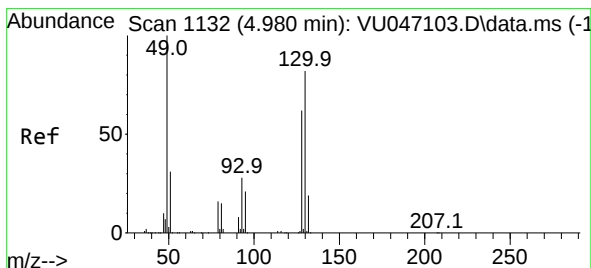
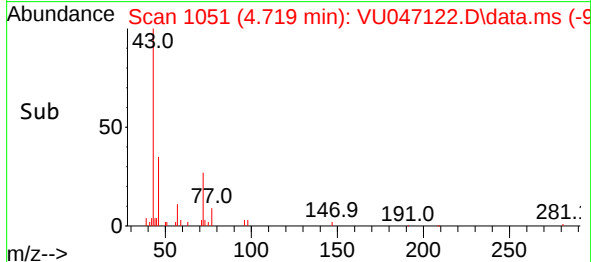
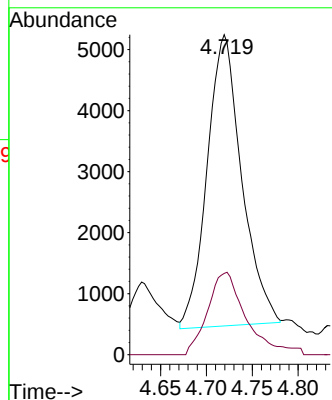
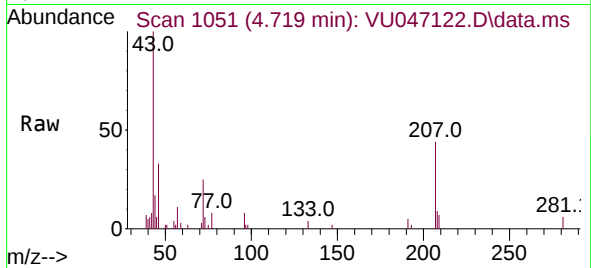




#22
2-Butanone
Concen: 4.198 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

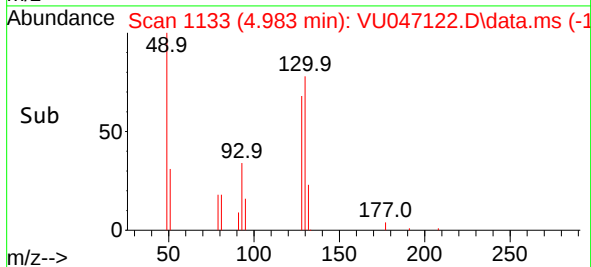
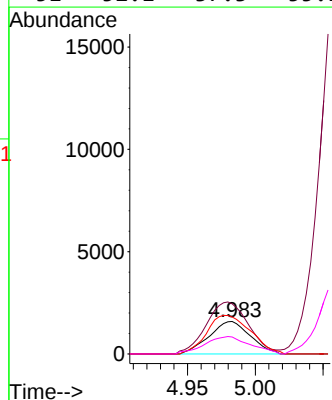
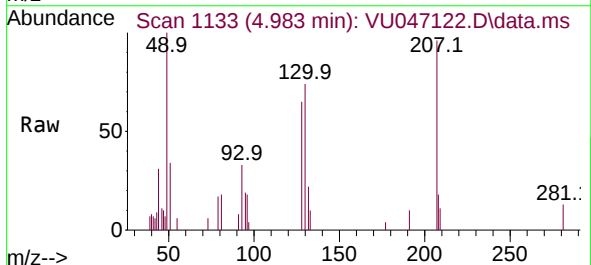
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

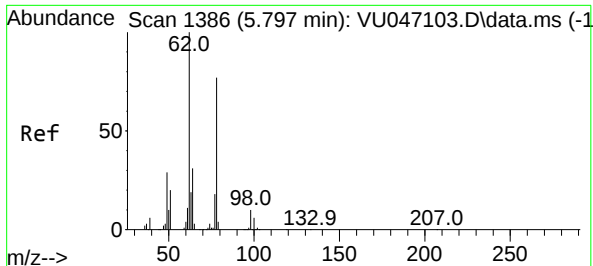
Tgt Ion: 43 Resp: 12520
Ion Ratio Lower Upper
43 100
72 31.1 15.6 46.8



#23
Bromochloromethane
Concen: 1.929 ug/L
RT: 4.983 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:128 Resp: 3348
Ion Ratio Lower Upper
128 100
49 154.0 105.4 195.8
130 113.7 88.7 164.7
51 52.1 37.3 55.9





#27

1,2-Dichloroethane

Concen: 2.194 ug/L

RT: 5.796 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

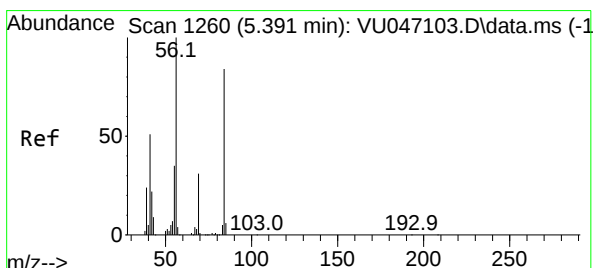
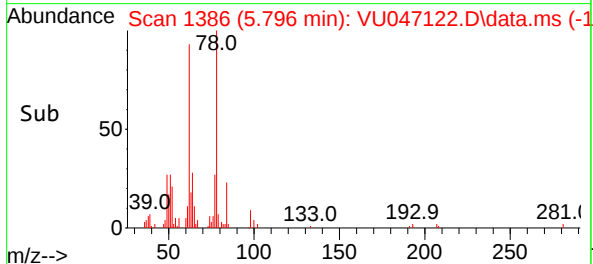
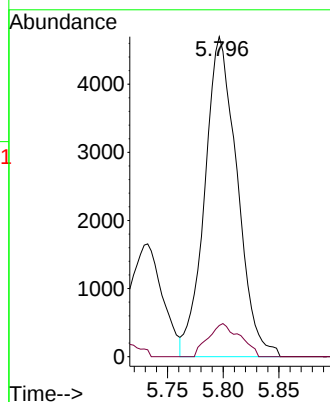
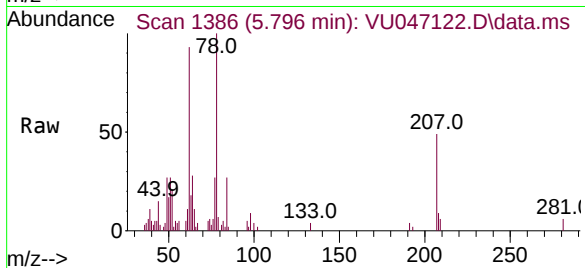
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 62 Resp: 9493

Ion Ratio Lower Upper

62 100

98 9.7 7.7 11.5



#29

Cyclohexane

Concen: 2.037 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

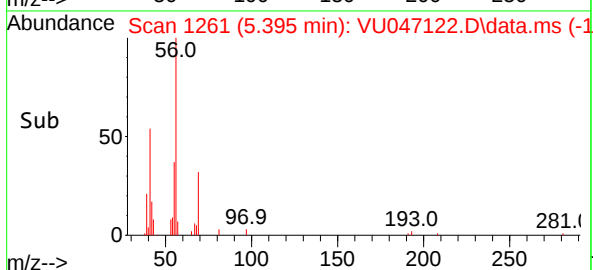
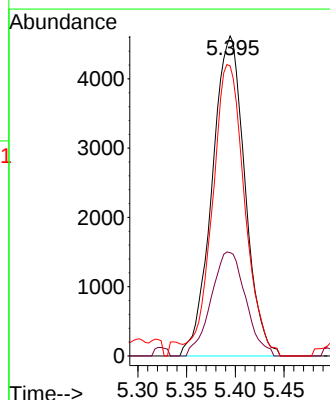
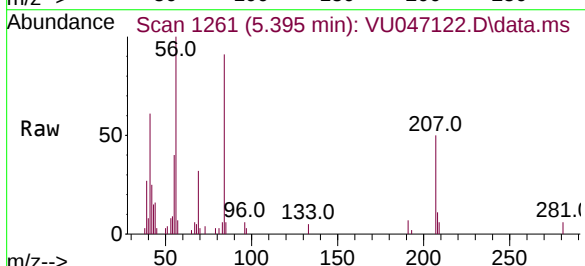
Tgt Ion: 56 Resp: 10813

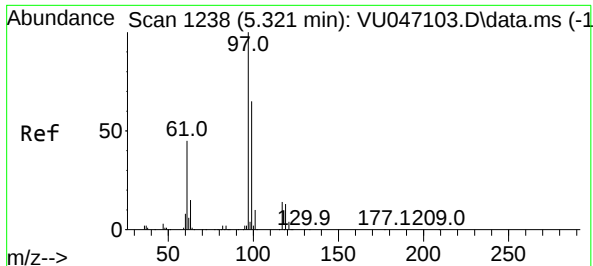
Ion Ratio Lower Upper

56 100

69 34.2 25.8 38.6

84 84.1 74.2 111.2





#30

1,1,1-Trichloroethane

Concen: 2.134 ug/L

RT: 5.324 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

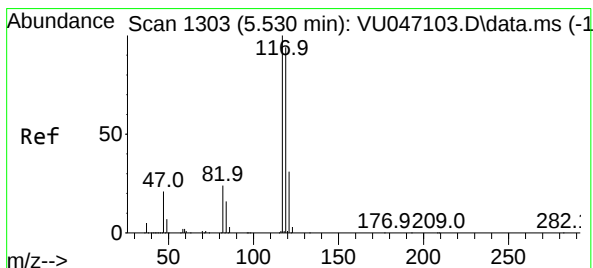
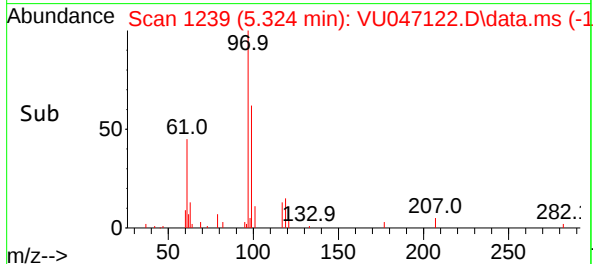
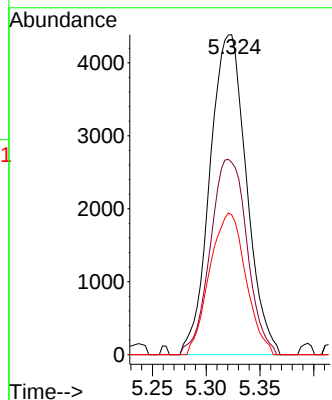
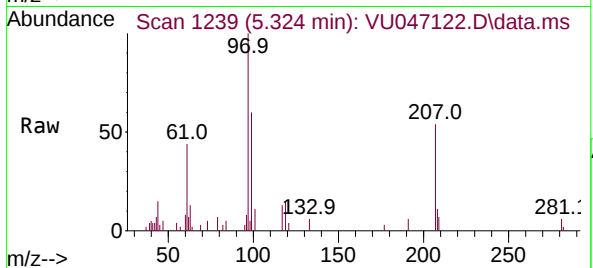
Tgt Ion: 97 Resp: 10349

Ion Ratio Lower Upper

97 100

99 61.4 51.1 76.7

61 43.8 34.1 51.1



#31

Carbon tetrachloride

Concen: 2.009 ug/L

RT: 5.530 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VU047122.D

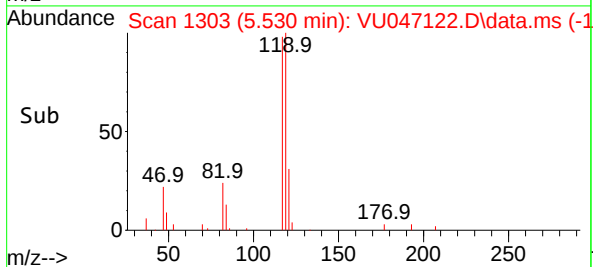
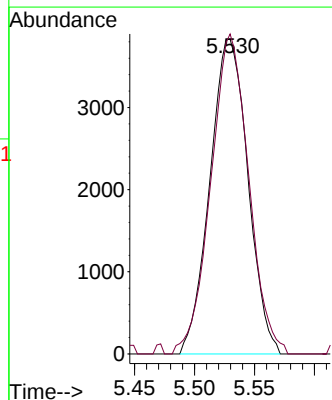
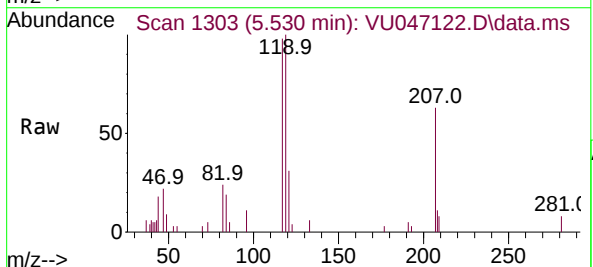
Acq: 11 Feb 2022 17:55

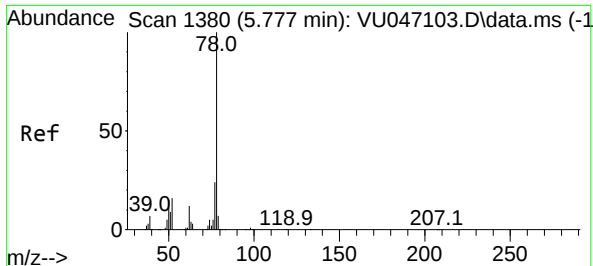
Tgt Ion: 117 Resp: 8449

Ion Ratio Lower Upper

117 100

119 101.0 77.5 116.3

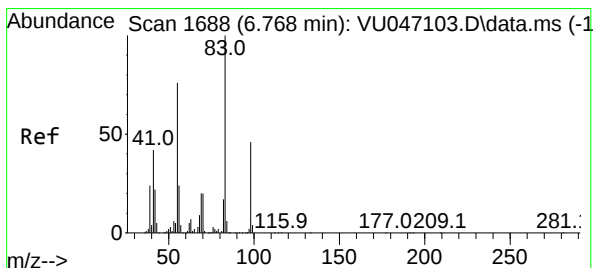
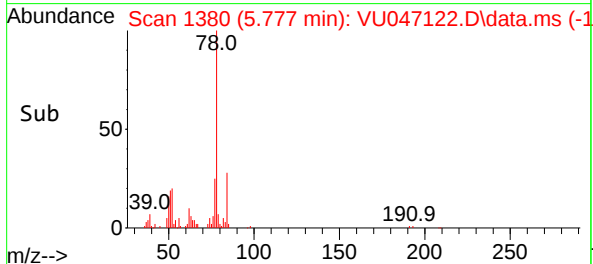
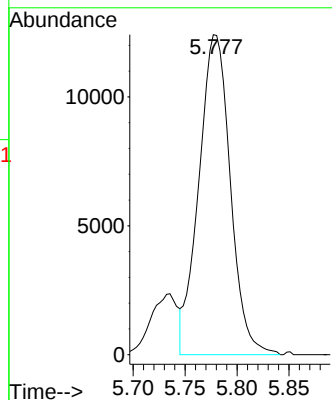
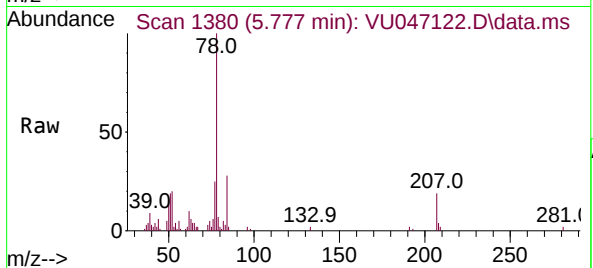




#33
Benzene
Concen: 2.070 ug/L
RT: 5.777 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

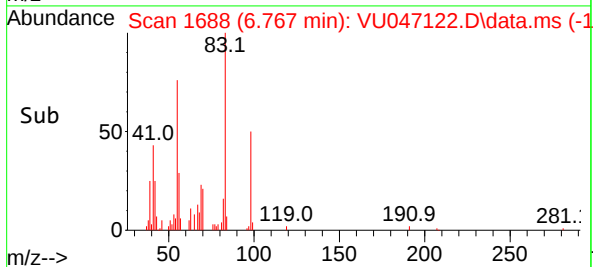
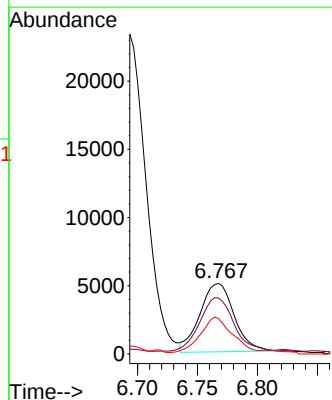
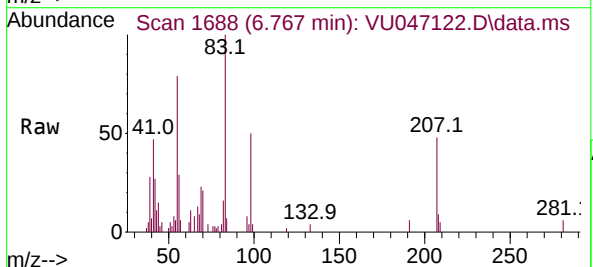
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

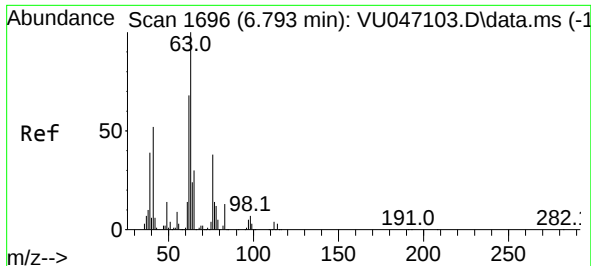
Tgt Ion: 78 Resp: 26149



#35
Methylcyclohexane
Concen: 1.813 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 83 Resp: 9980
Ion Ratio Lower Upper
83 100
55 79.3 56.6 85.0
98 46.8 38.4 57.6

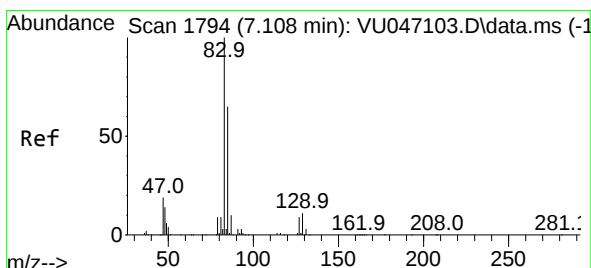
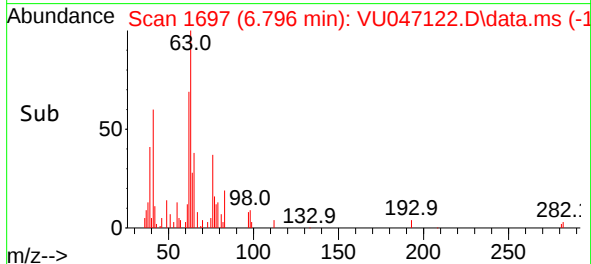
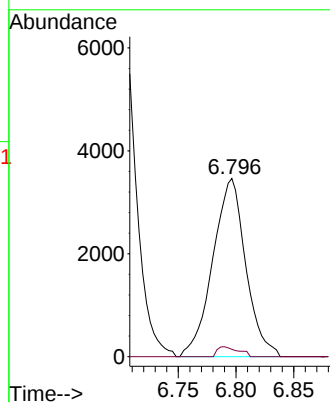
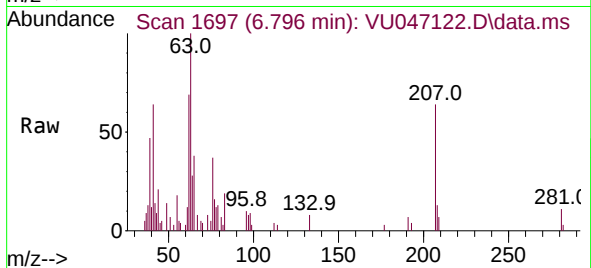




#37
1,2-Dichloropropane
Concen: 2.033 ug/L
RT: 6.796 min Scan# 1696
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

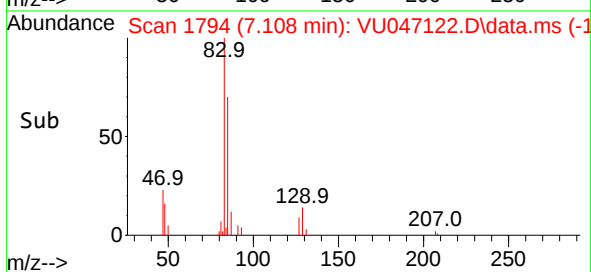
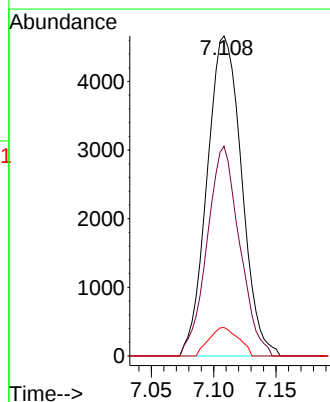
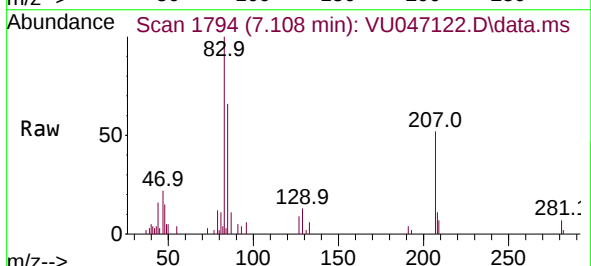
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

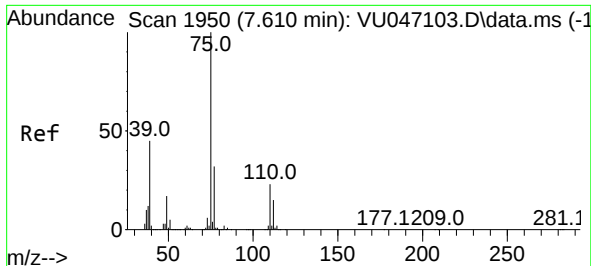
Tgt Ion: 63 Resp: 6878
Ion Ratio Lower Upper
63 100
112 3.3 3.7 5.5#



#38
Bromodichloromethane
Concen: 2.086 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 83 Resp: 8997
Ion Ratio Lower Upper
83 100
85 65.6 45.0 83.6
127 8.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 2.039 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

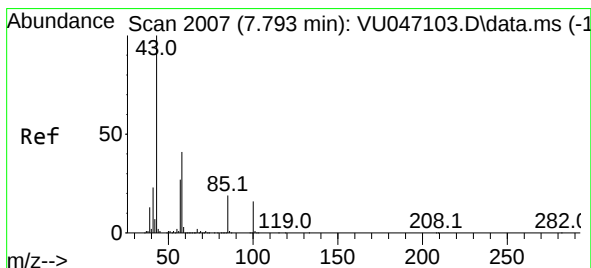
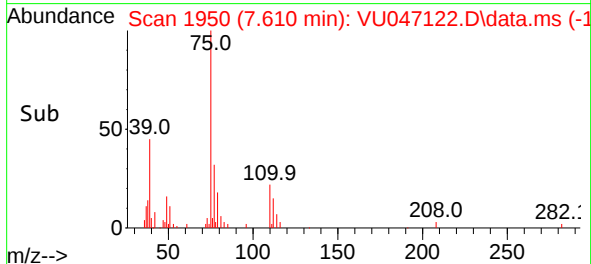
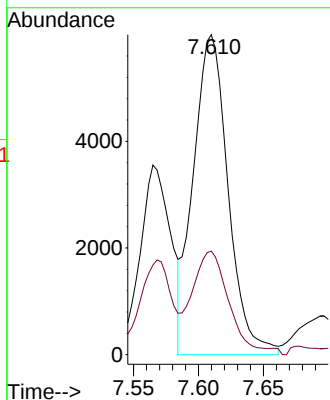
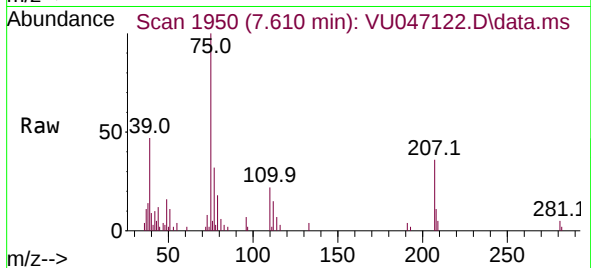
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 75 Resp: 11214

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 4.225 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

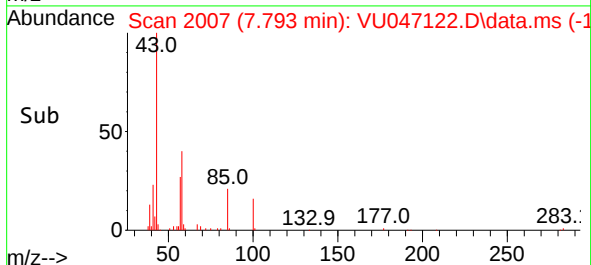
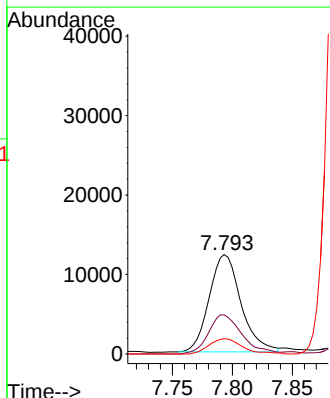
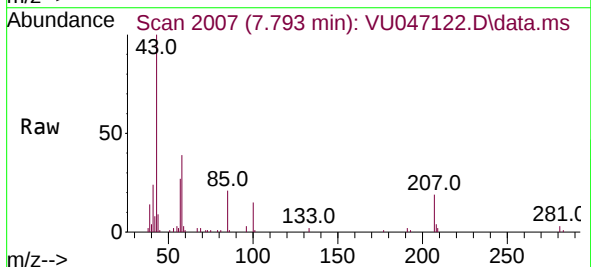
Tgt Ion: 43 Resp: 22639

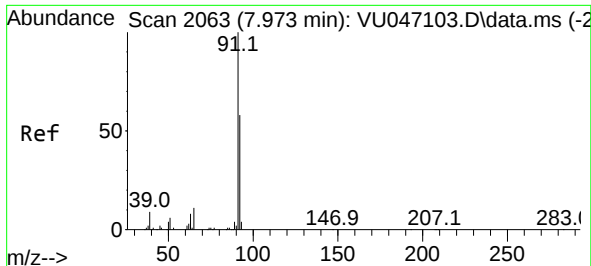
Ion Ratio Lower Upper

43 100

58 42.1 35.8 53.8

100 15.4 15.7 23.5#





#42

Toluene

Concen: 2.595 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

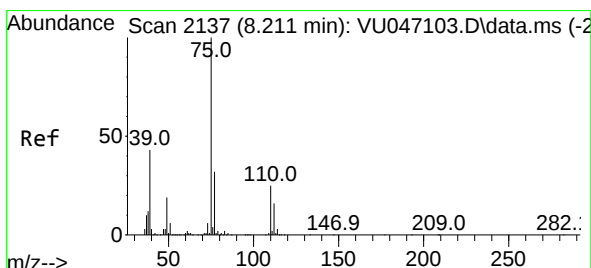
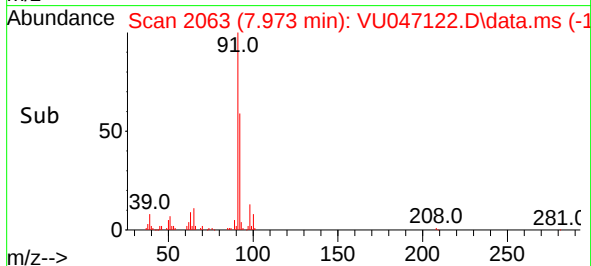
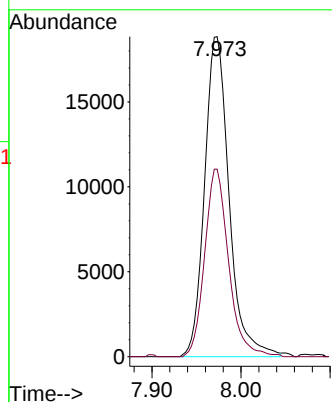
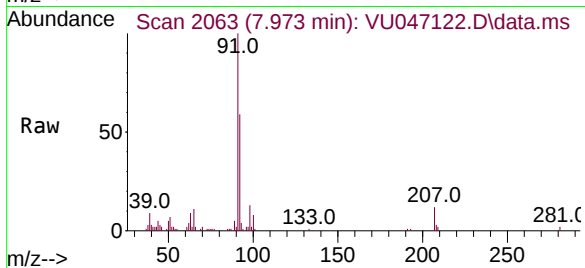
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 36007

Ion Ratio Lower Upper

91 100

92 58.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 2.092 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047122.D

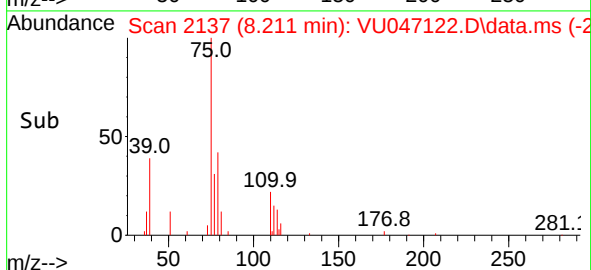
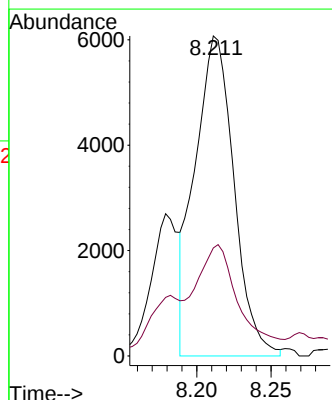
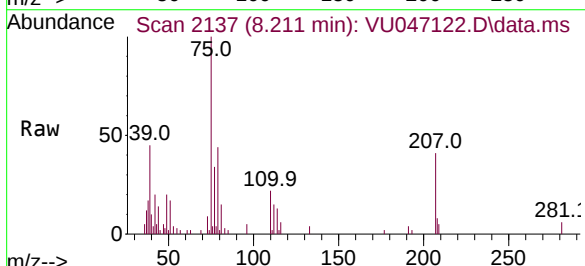
Acq: 11 Feb 2022 17:55

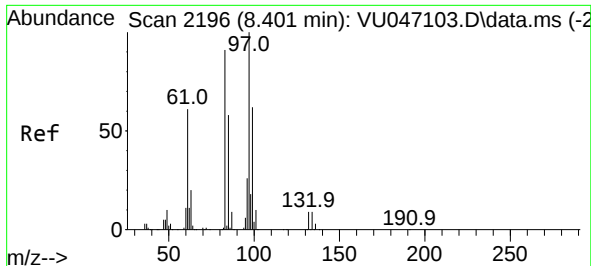
Tgt Ion: 75 Resp: 11051

Ion Ratio Lower Upper

75 100

77 33.8 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 2.157 ug/L

RT: 8.404 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 97 Resp: 6874

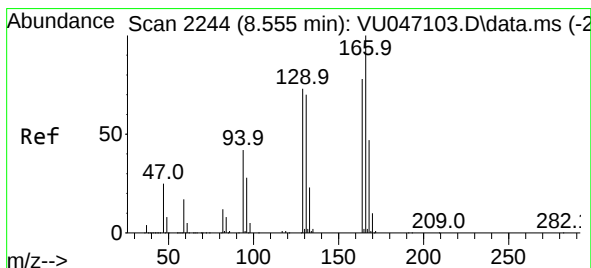
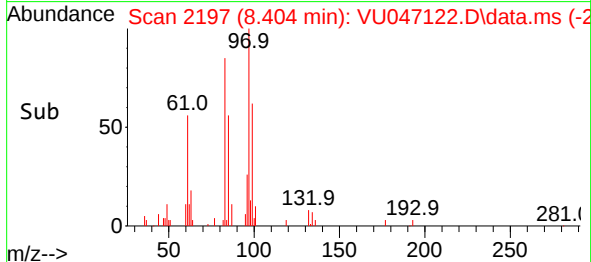
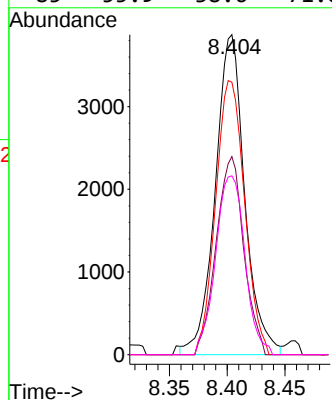
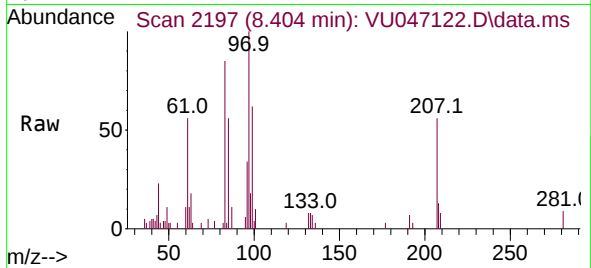
Ion Ratio Lower Upper

97 100

99 61.9 42.4 78.8

83 85.2 59.4 110.4

85 55.9 38.6 71.8



#46

Tetrachloroethene

Concen: 2.035 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Tgt Ion: 164 Resp: 5372

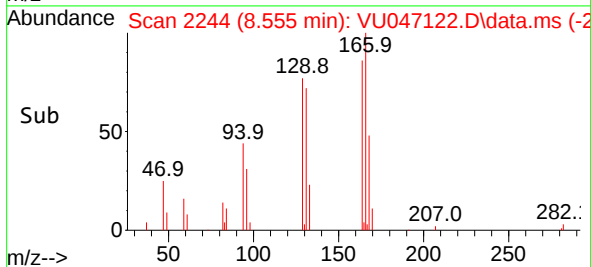
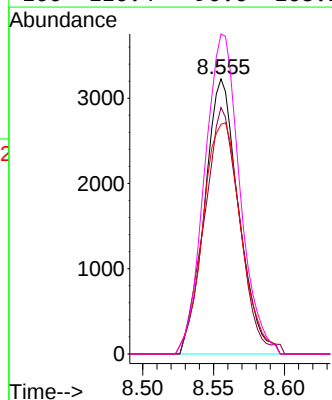
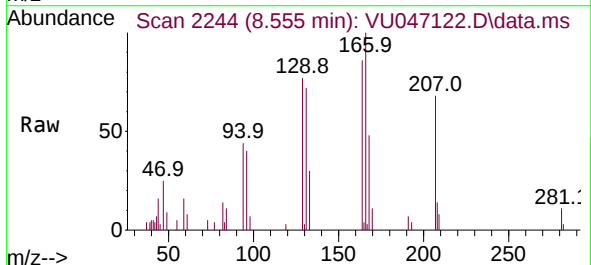
Ion Ratio Lower Upper

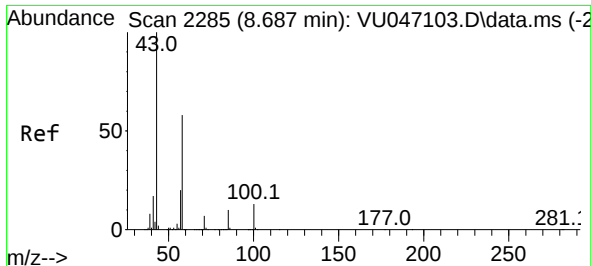
164 100

129 89.6 69.5 129.1

131 83.5 67.0 124.4

166 116.4 90.6 168.2

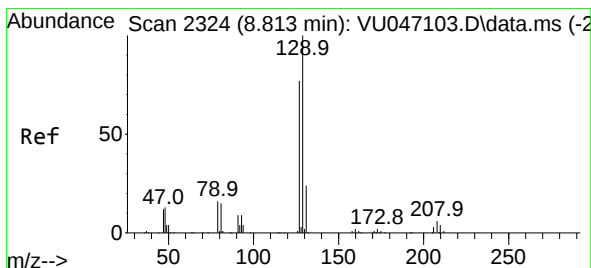
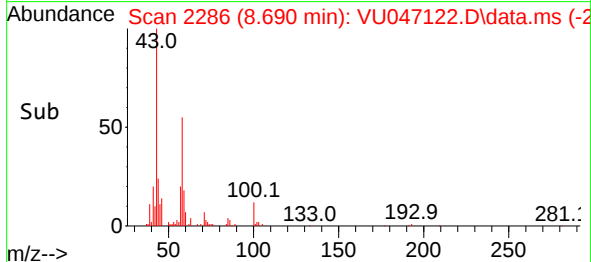
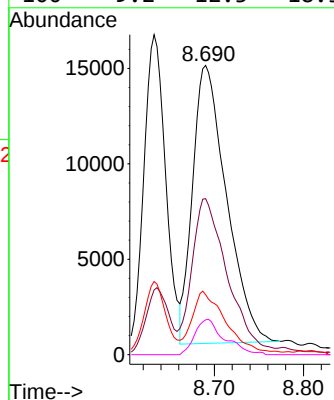
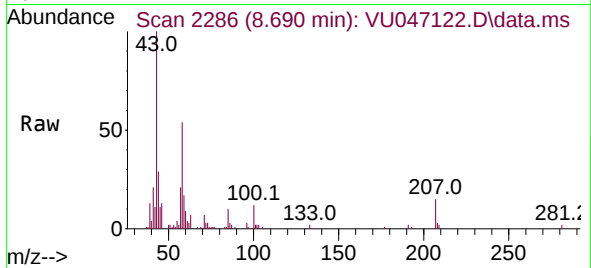




#48
2-Hexanone
Concen: 8.674 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

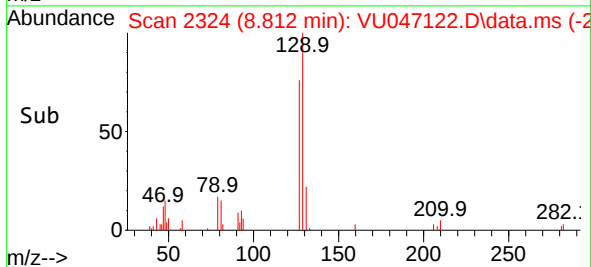
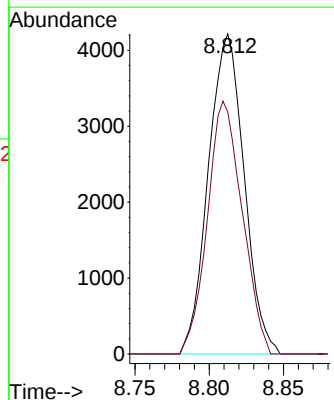
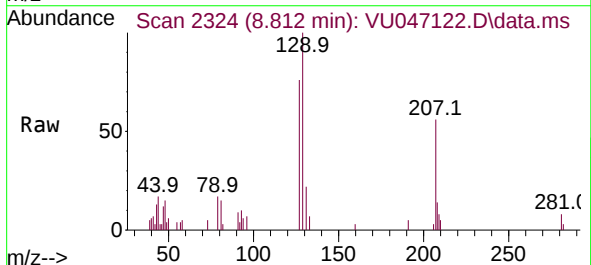
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

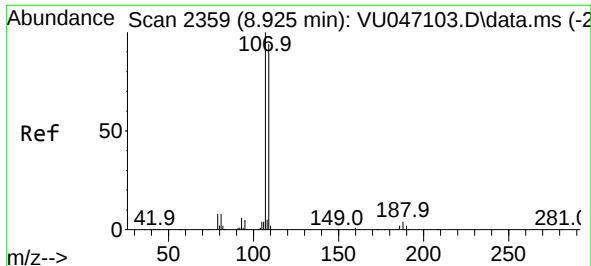
Tgt Ion:	43	Resp:	38431
Ion	Ratio	Lower	Upper
43	100		
58	55.8	49.4	74.2
57	21.3	17.5	26.3
100	9.2	12.3	18.5



#49
Dibromochloromethane
Concen: 1.915 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:	129	Resp:	7062
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.5	101.3

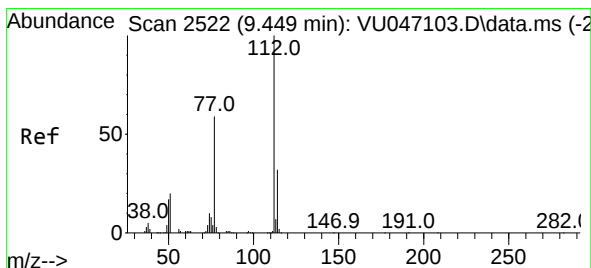
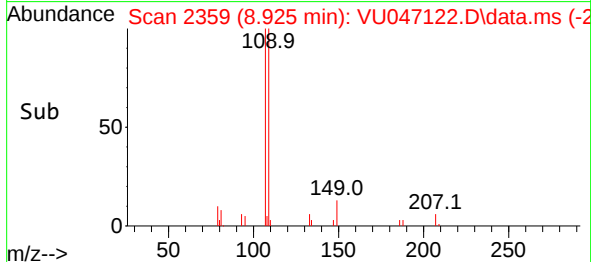
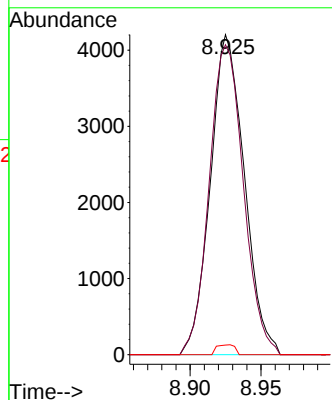
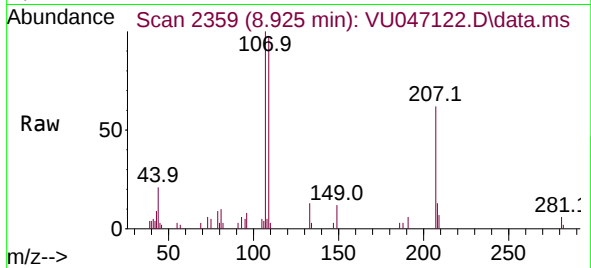




#50
1,2-Dibromoethane
Concen: 1.985 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

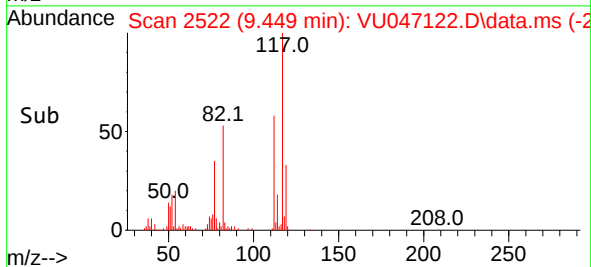
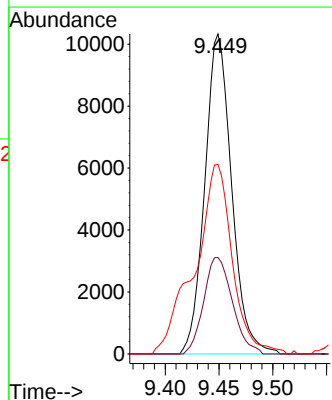
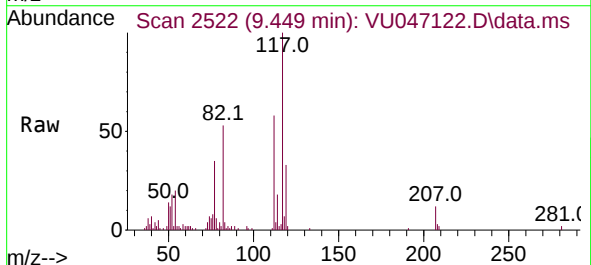
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

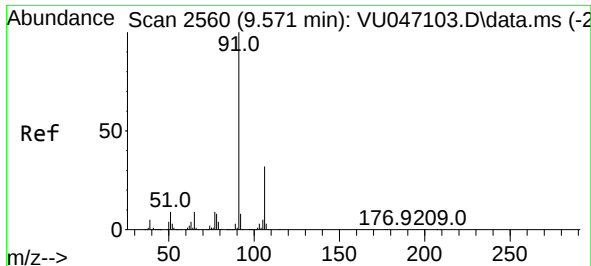
Tgt Ion:107 Resp: 7028
Ion Ratio Lower Upper
107 100
109 96.8 65.6 121.8
188 3.0 3.1 4.7#



#51
Chlorobenzene
Concen: 2.015 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:112 Resp: 17927
Ion Ratio Lower Upper
112 100
114 30.2 22.1 41.1
77 59.3 46.5 69.7

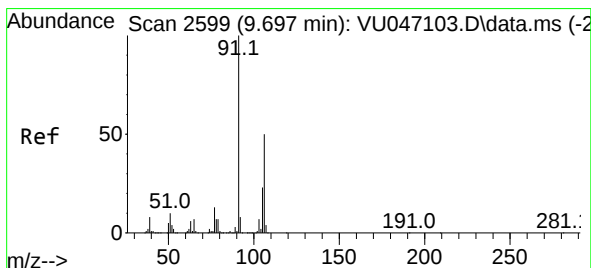
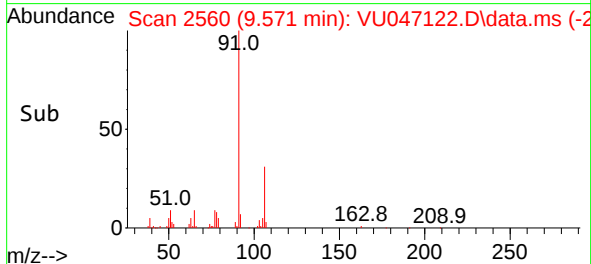
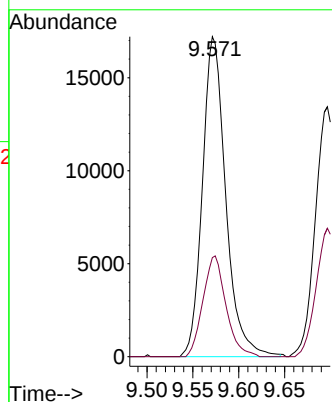
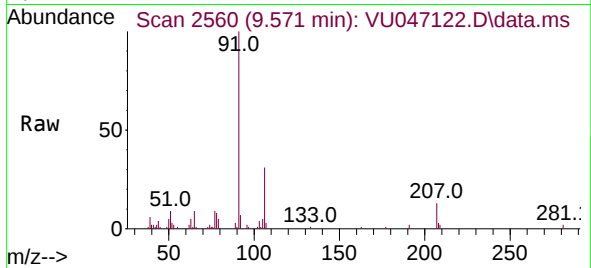




#52
Ethylbenzene
Concen: 2.007 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

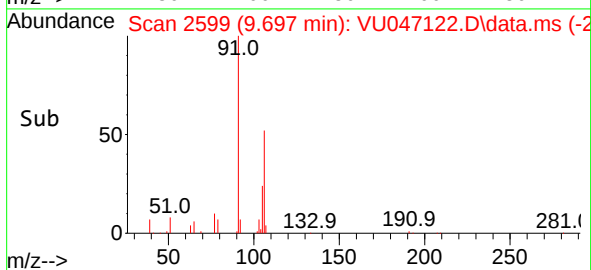
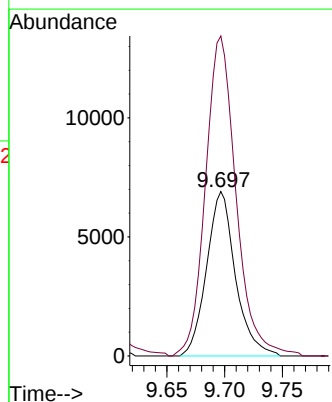
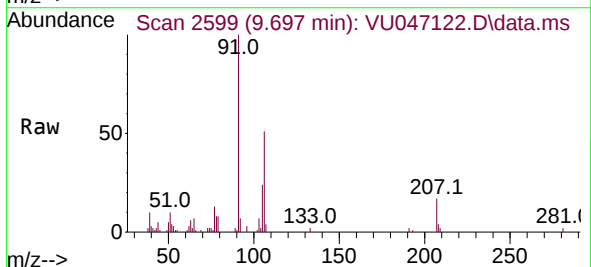
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-01

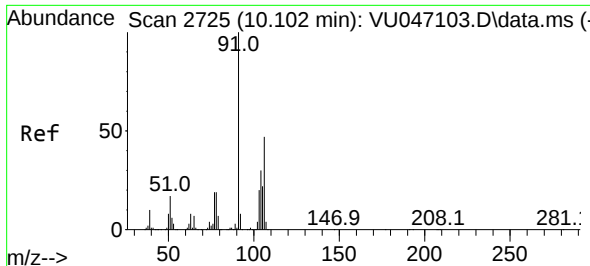
Tgt Ion: 91 Resp: 30479
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.4



#53
m,p-Xylene
Concen: 1.993 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 106 Resp: 12006
Ion Ratio Lower Upper
106 100
91 194.6 145.5 270.1

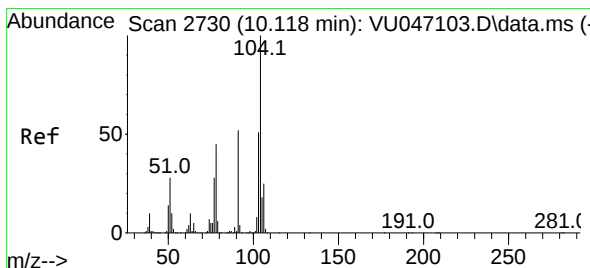
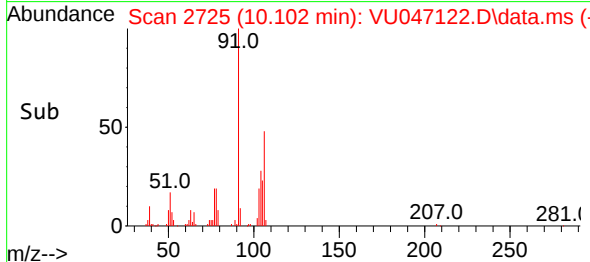
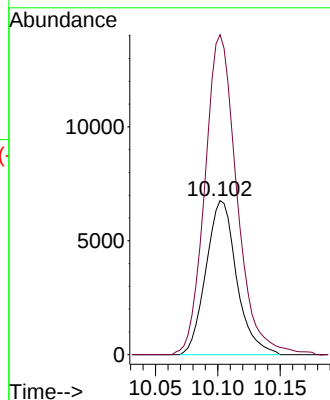
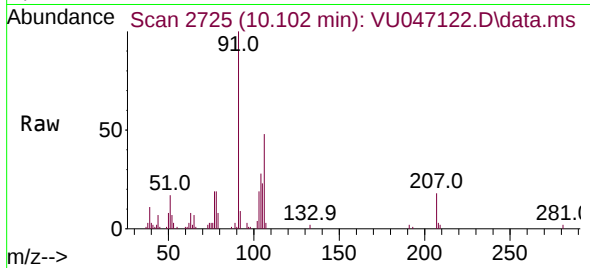




#54
o-xylene
Concen: 1.952 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

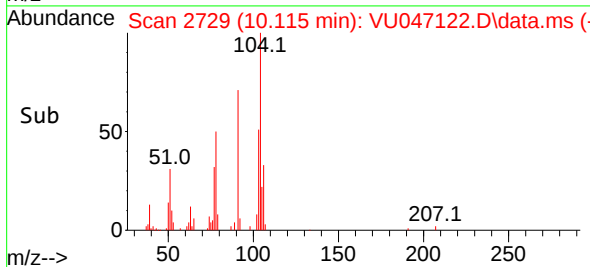
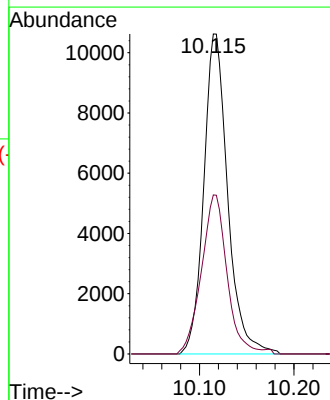
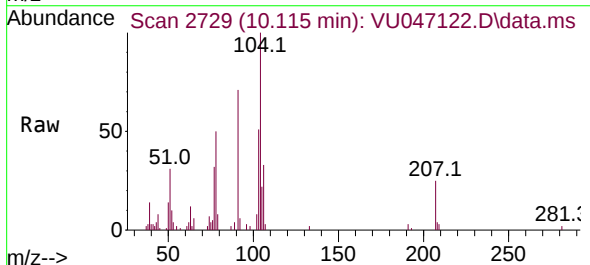
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

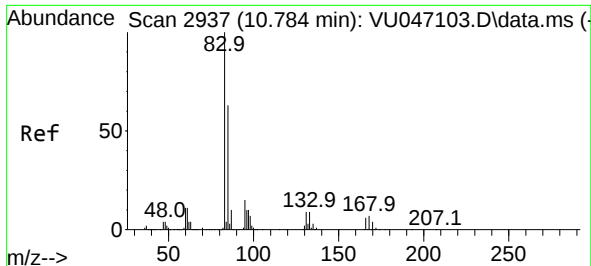
Tgt Ion:106 Resp: 11578
Ion Ratio Lower Upper
106 100
91 207.8 152.0 282.2



#55
Styrene
Concen: 1.830 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:104 Resp: 18673
Ion Ratio Lower Upper
104 100
78 49.7 32.6 60.6

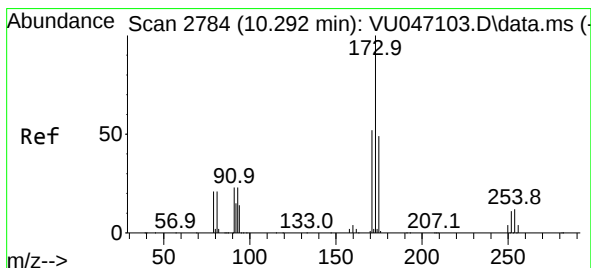
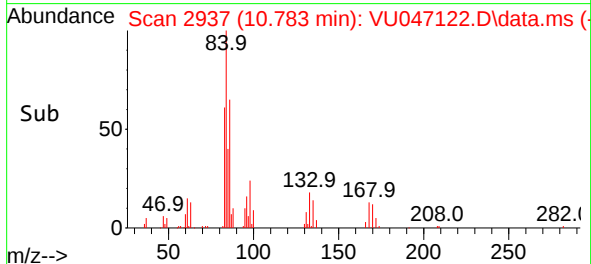
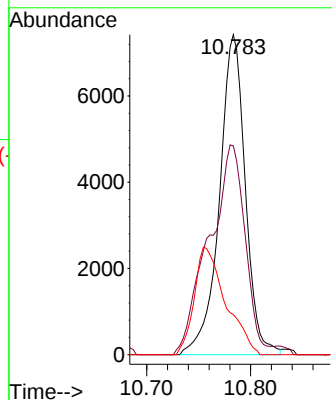
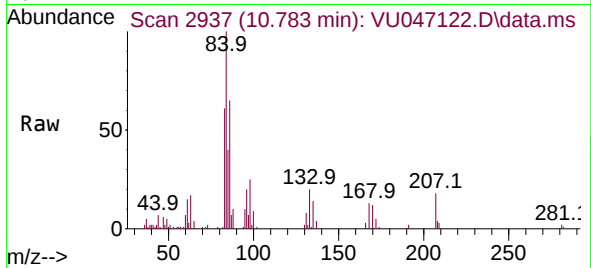




#57
1,1,2,2-Tetrachloroethane
Concen: 2.289 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

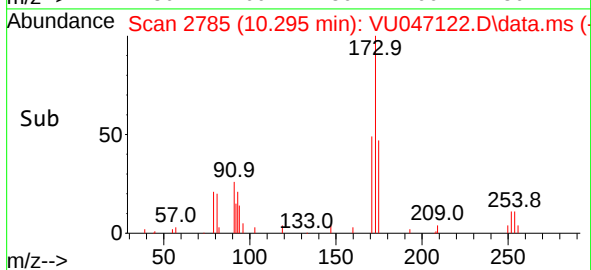
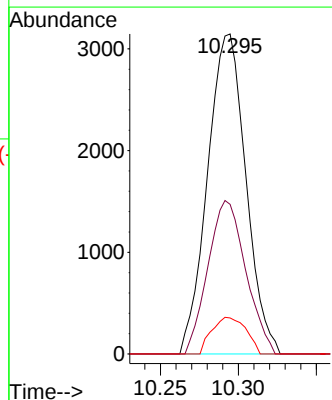
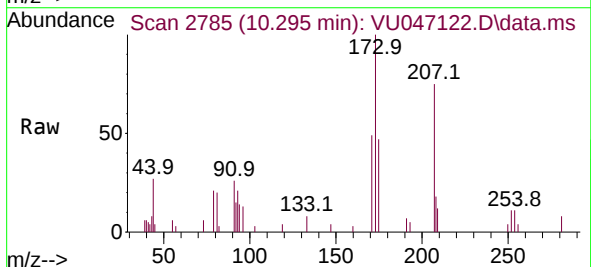
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-01

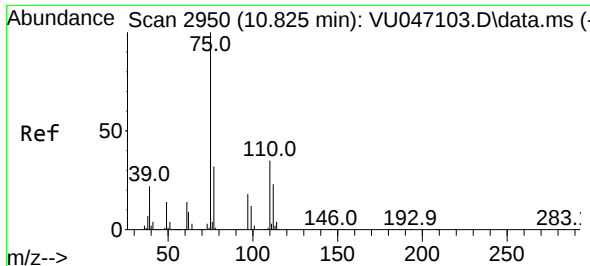
Tgt Ion: 83 Resp: 12860
Ion Ratio Lower Upper
83 100
85 65.3 44.7 83.1
131 12.5 7.8 11.6#



#59
Bromoform
Concen: 1.903 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion: 173 Resp: 5376
Ion Ratio Lower Upper
173 100
175 47.3 37.6 56.4
254 10.2 8.1 12.1

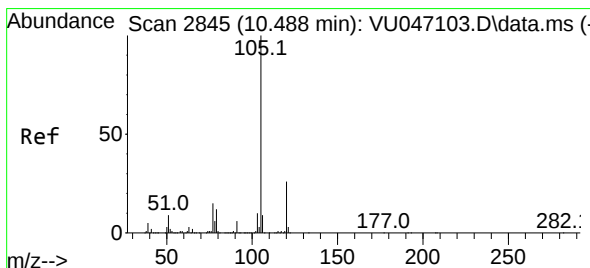
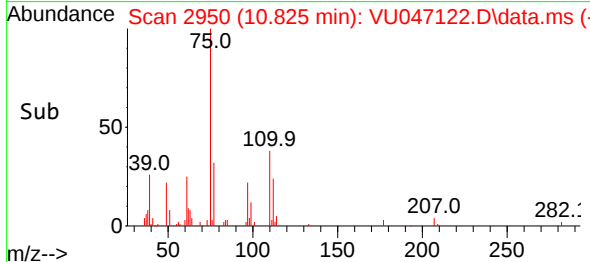
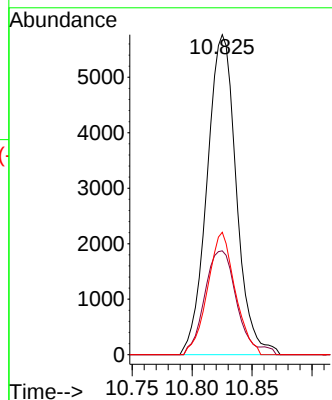
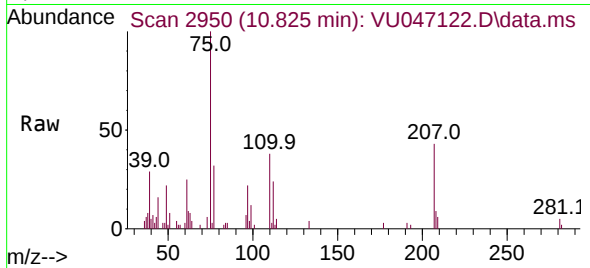




#60
1,2,3-Trichloropropane
Concen: 2.204 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

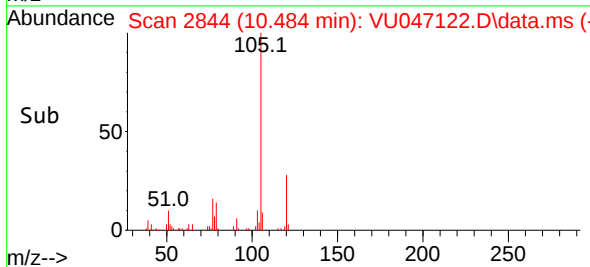
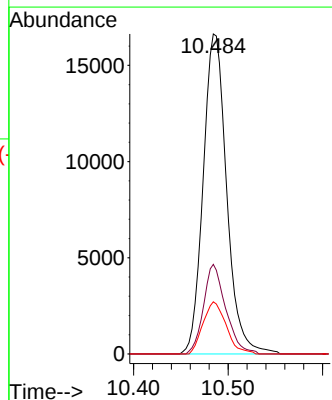
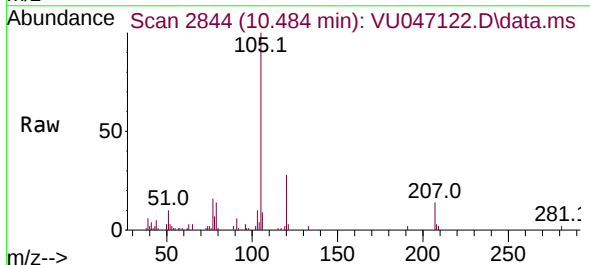
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2022-01

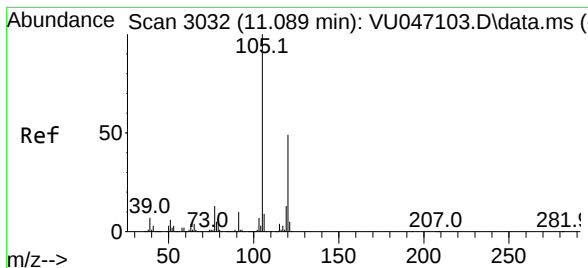
Tgt Ion:	75	Resp:	9774
Ion	Ratio	Lower	Upper
75	100		
77	34.8	26.2	39.2
110	36.1	32.5	48.7



#61
Isopropylbenzene
Concen: 1.965 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:	105	Resp:	28741
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.6	31.0
77	16.1	12.6	18.8





#62

1,3,5-Trimethylbenzene

Concen: 1.929 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047122.D

Acq: 11 Feb 2022 17:55

Instrument :

MSVOA_U

ClientSampleId :

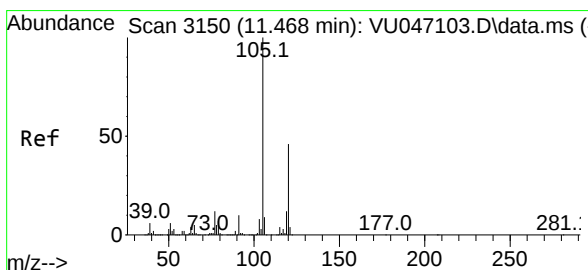
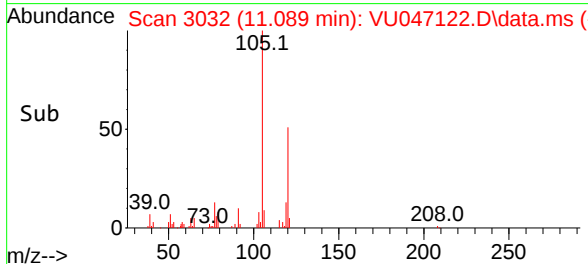
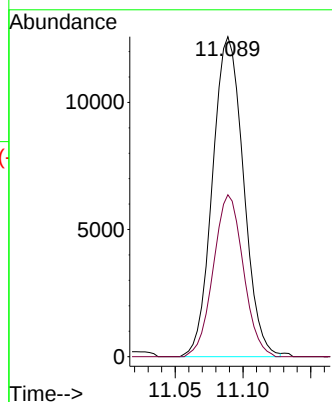
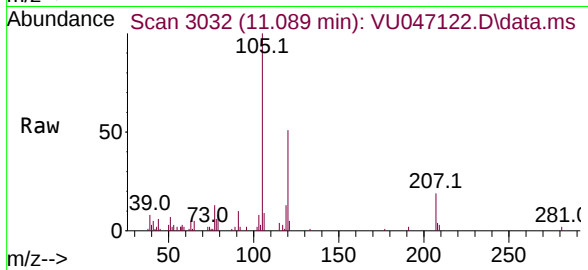
MDL-MED-SOIL-QT1-2022-01

Tgt Ion:105 Resp: 19998

Ion Ratio Lower Upper

105 100

120 48.9 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 2.014 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047122.D

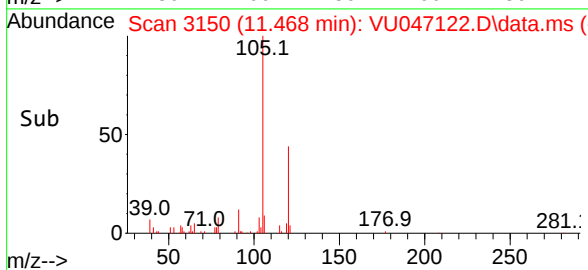
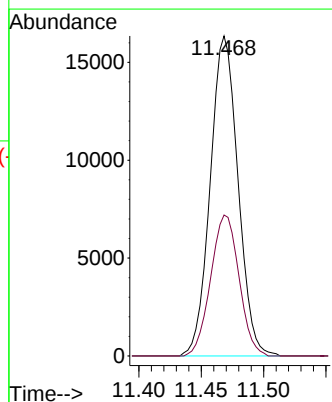
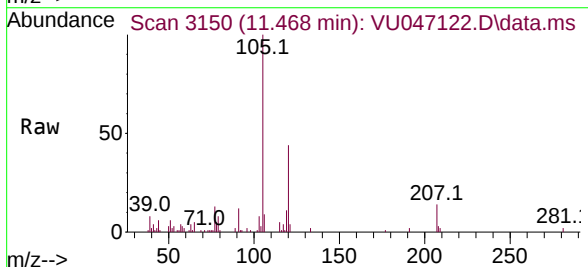
Acq: 11 Feb 2022 17:55

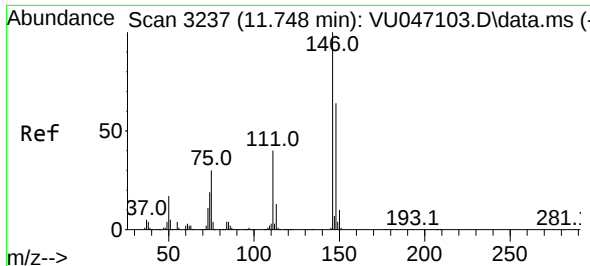
Tgt Ion:105 Resp: 25350

Ion Ratio Lower Upper

105 100

120 45.0 35.4 53.2

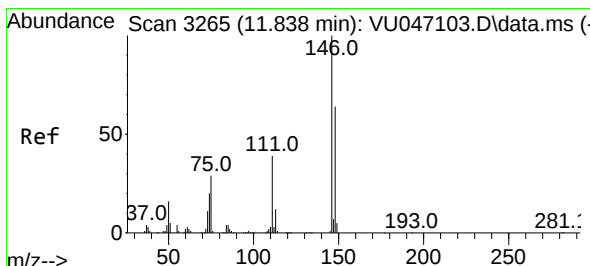
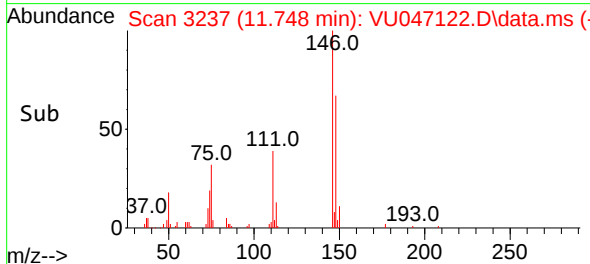
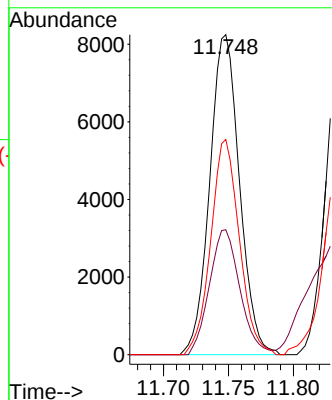
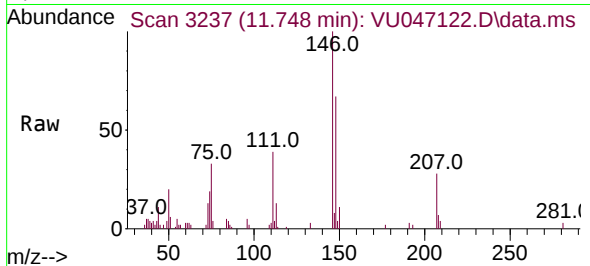




#64
1,3-Dichlorobenzene
Concen: 1.929 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

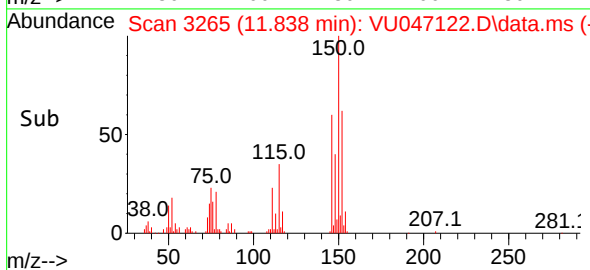
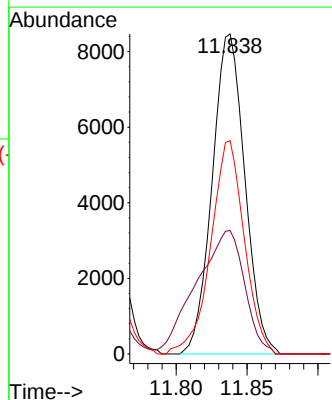
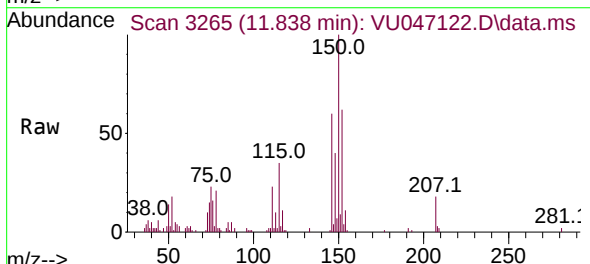
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

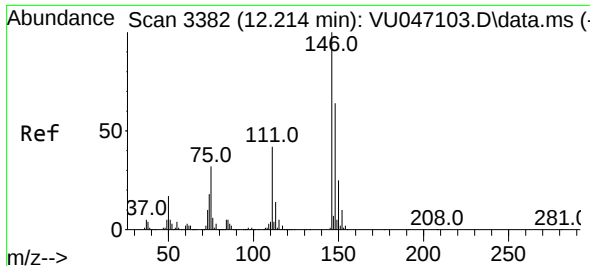
Tgt Ion:146 Resp: 13162
Ion Ratio Lower Upper
146 100
111 39.1 29.4 54.6
148 67.3 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 1.977 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:146 Resp: 13562
Ion Ratio Lower Upper
146 100
111 38.5 28.9 53.7
148 66.6 44.5 82.7

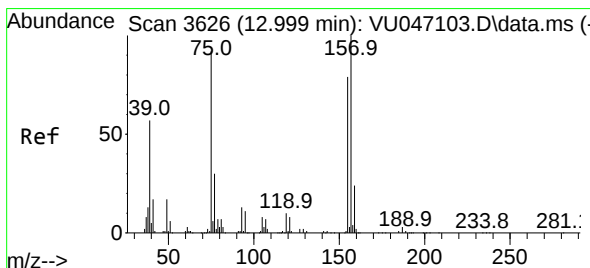
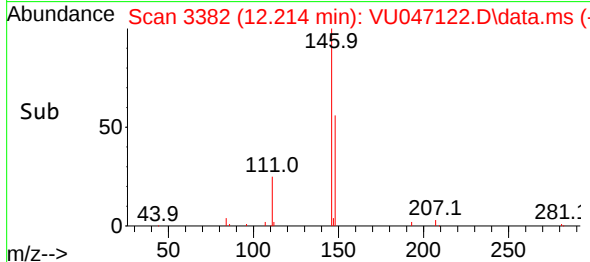
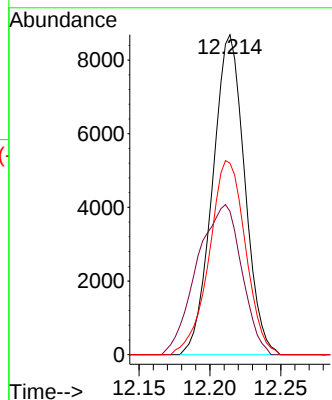
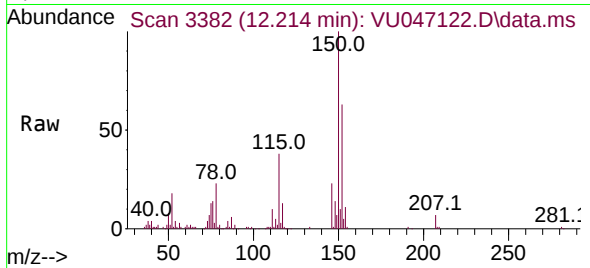




#67
1,2-Dichlorobenzene
Concen: 2.018 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

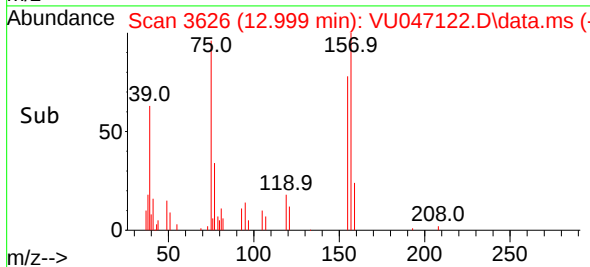
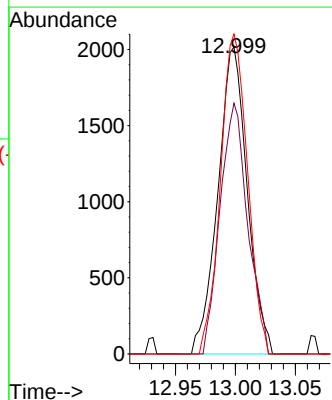
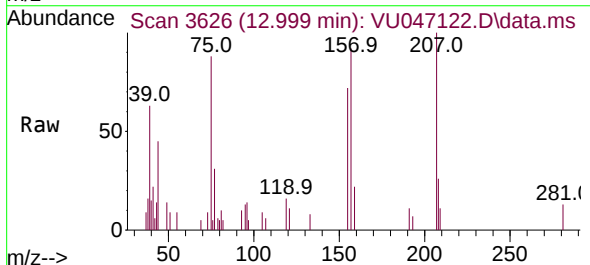
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

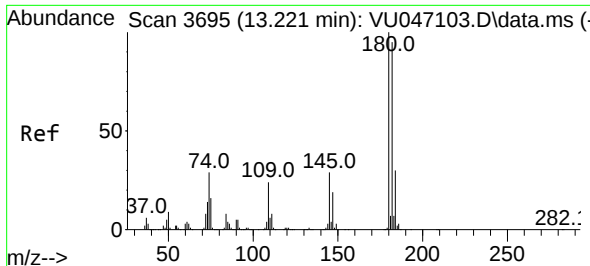
Tgt Ion:	146	Resp:	13705
Ion	Ratio	Lower	Upper
146	100		
111	44.8	34.2	51.4
148	59.9	51.3	76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 2.430 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:	75	Resp:	3434
Ion	Ratio	Lower	Upper
75	100		
155	81.7	65.0	97.4
157	104.2	79.7	119.5

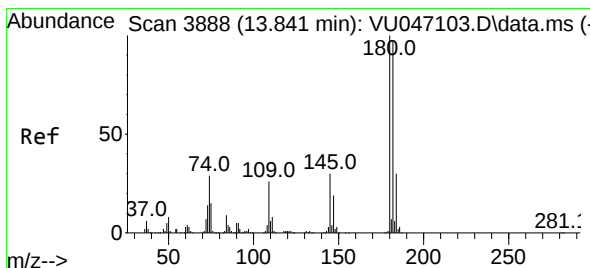
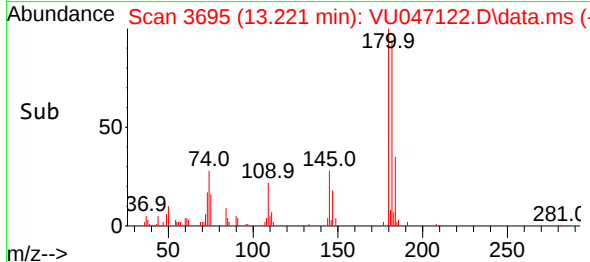
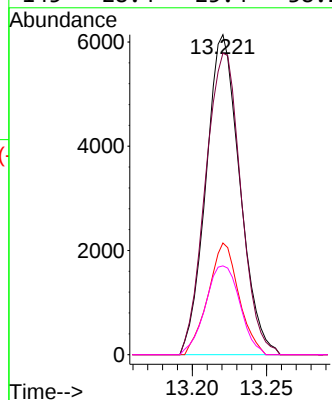
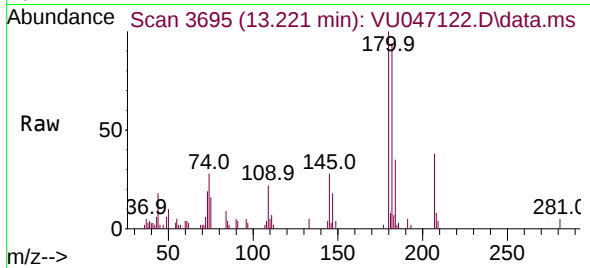




#69
 1,3,5-Trichlorobenzene
 Concen: 1.841 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU047122.D
 Acq: 11 Feb 2022 17:55

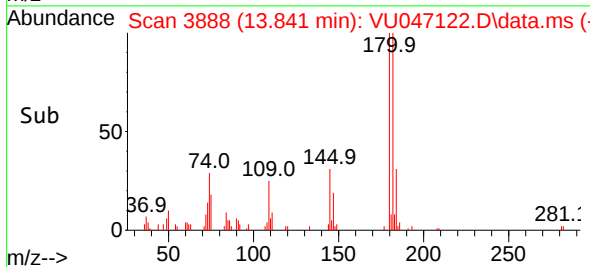
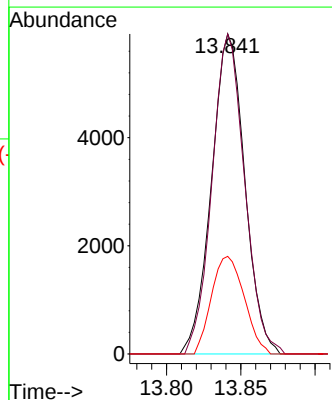
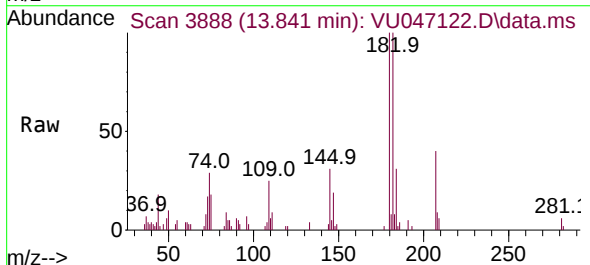
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

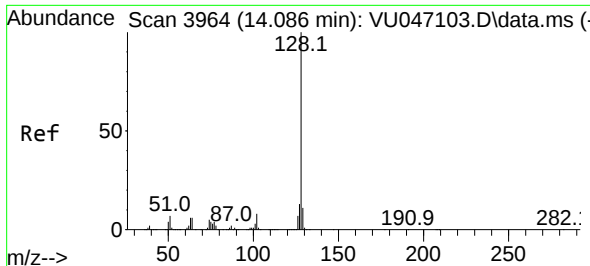
Tgt Ion:180	Resp:	9717	
Ion	Ratio	Lower	Upper
180	100		
182	98.6	77.0	115.6
184	31.7	24.7	37.1
145	28.4	25.4	38.2



#70
 1,2,4-trichlorobenzene
 Concen: 1.842 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047122.D
 Acq: 11 Feb 2022 17:55

Tgt Ion:180	Resp:	9217	
Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.6	114.8
145	30.0	25.2	37.8

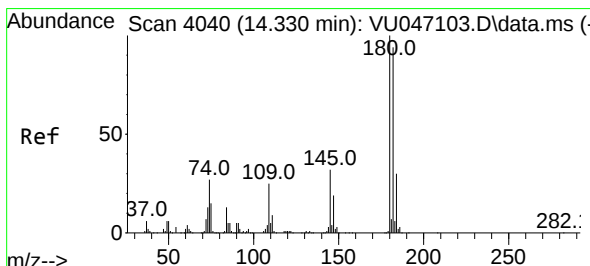
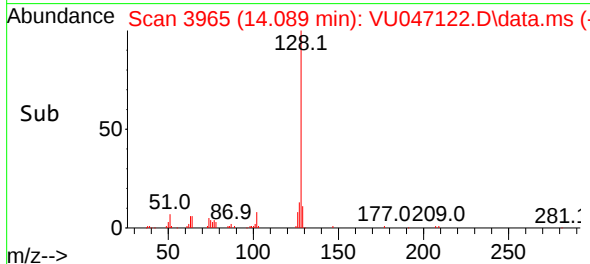
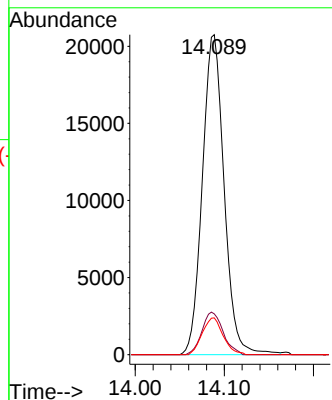
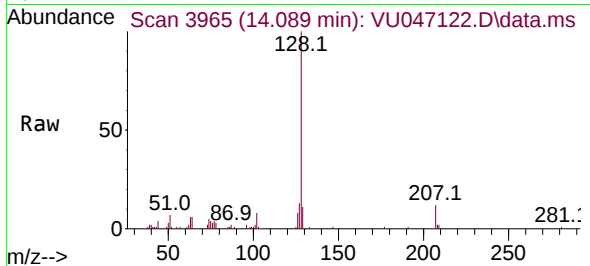




#71
Naphthalene
Concen: 1.985 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion:128 Resp: 35162
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.1 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 1.913 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047122.D
Acq: 11 Feb 2022 17:55

Tgt Ion:180 Resp: 9530
Ion Ratio Lower Upper
180 100
182 100.0 76.6 115.0
145 33.1 27.4 41.2

