

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U082622\
 Data File : U082622.D
 Acq On : 26 Aug 2022 14:26
 Operator : SY/MD
 Sample : N4015-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 27 02:46:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 27 02:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	312349	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	309907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	119976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	166902	45.190	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.380%
7) Chloroethane-d5	1.896	69	132844	48.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.220%
11) 1,1-Dichloroethene-d2	2.559	63	190853	36.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.140%
21) 2-Butanone-d5	4.623	46	233491	96.587	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.590%
24) Chloroform-d	5.060	84	263880	44.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.020%
26) 1,2-Dichloroethane-d4	5.700	65	170907	46.383	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.760%
32) Benzene-d6	5.726	84	543340	47.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
36) 1,2-Dichloropropane-d6	6.690	67	177087	46.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.360%
41) Toluene-d8	7.899	98	447001	44.612	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.220%
43) trans-1,3-Dichloroprop...	8.179	79	68996	43.602	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.200%
47) 2-Hexanone-d5	8.633	63	128495	91.276	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.280%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	270228	46.185	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.360%
66) 1,2-Dichlorobenzene-d4	12.195	152	145806	50.875	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.740%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	4919	2.015	ug/L	90
3) Chloromethane	1.517	50	8921	3.139	ug/L	95
5) Vinyl chloride	1.601	62	6406	2.306	ug/L #	56
6) Bromomethane	1.835	94	2776	2.702	ug/L	97
8) Chloroethane	1.922	64	3774	2.236	ug/L #	77
9) Trichlorofluoromethane	2.131	101	7238	2.047	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	6105	2.817	ug/L #	82
12) 1,1-Dichloroethene	2.572	96	5479	2.860	ug/L #	1
13) Acetone	2.626	43	7206	4.534	ug/L	92
14) Carbon disulfide	2.787	76	8750	1.790	ug/L	97
15) Methyl Acetate	2.954	43	6182	2.162	ug/L	96
16) Methylene chloride	3.041	84	7631	2.858	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	4010	1.991	ug/L	86
18) Methyl tert-butyl Ether	3.363	73	14177	2.224	ug/L	97
19) 1,1-Dichloroethane	3.867	63	9216	2.112	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	5013	2.078	ug/L	89
22) 2-Butanone	4.713	43	10948	5.082	ug/L	81
23) Bromochloromethane	4.967	128	1311	0.995	ug/L	90
27) 1,2-Dichloroethane	5.797	62	8169	2.356	ug/L	96

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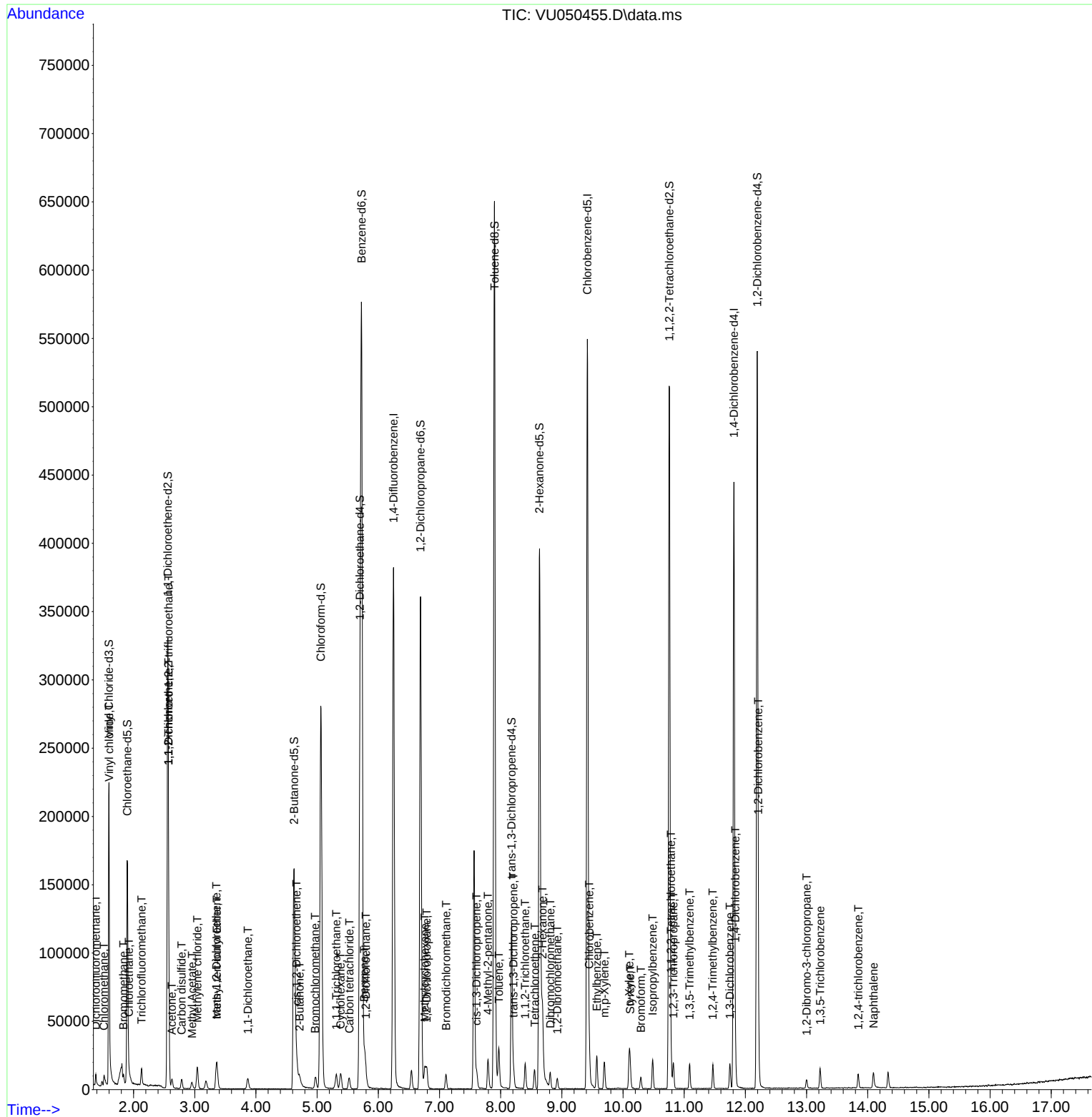
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.382	56	4944	1.734	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	7034	1.984	ug/L	95
31) Carbon tetrachloride	5.527	117	5944	2.043	ug/L	94
33) Benzene	5.771	78	19656	2.095	ug/L	100
35) Methylcyclohexane	6.761	83	5715	1.840	ug/L	91
37) 1,2-Dichloropropane	6.793	63	5924	2.174	ug/L #	93
38) Bromodichloromethane	7.108	83	7314	2.103	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	6724	1.879	ug/L	91
40) 4-Methyl-2-pentanone	7.793	43	14609	4.034	ug/L	95
42) Toluene	7.970	91	20249	2.142	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	6519	1.954	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	5751	2.144	ug/L	97
46) Tetrachloroethene	8.559	164	2976	1.824	ug/L	94
48) 2-Hexanone	8.684	43	25326	8.373	ug/L	96
49) Dibromochloromethane	8.813	129	5836	2.101	ug/L	90
50) 1,2-Dibromoethane	8.925	107	5558	2.074	ug/L #	98
51) Chlorobenzene	9.446	112	12308	1.984	ug/L	94
52) Ethylbenzene	9.571	91	16584	1.741	ug/L	97
53) m,p-Xylene	9.697	106	6093	1.712	ug/L	87
54) o-Xylene	10.102	106	5956	1.685	ug/L	85
55) Styrene	10.118	104	9317	1.549	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	11581	2.363	ug/L #	93
59) Bromoform	10.292	173	3927	2.286	ug/L #	95
60) 1,2,3-Trichloropropane	10.822	75	7762	2.511	ug/L	98
61) Isopropylbenzene	10.485	105	13751	1.853	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	10188	1.700	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	9253	1.583	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	7829	2.158	ug/L	93
65) 1,4-Dichlorobenzene	11.835	146	7784	2.130	ug/L	92
67) 1,2-Dichlorobenzene	12.211	146	9167	2.402	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.999	75	1992	2.424	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.224	180	5235	2.093	ug/L	94
70) 1,2,4-trichlorobenzene	13.845	180	3640	1.817	ug/L	90
71) Naphthalene	14.095	128	11272	1.715	ug/L #	95

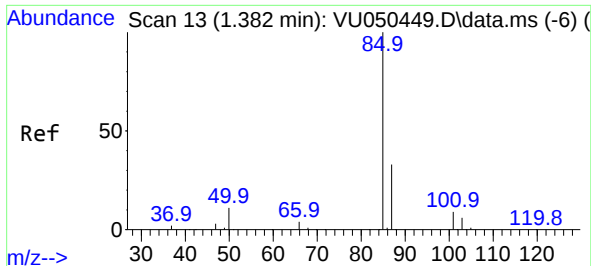
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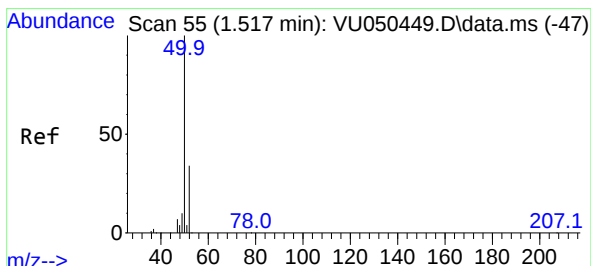
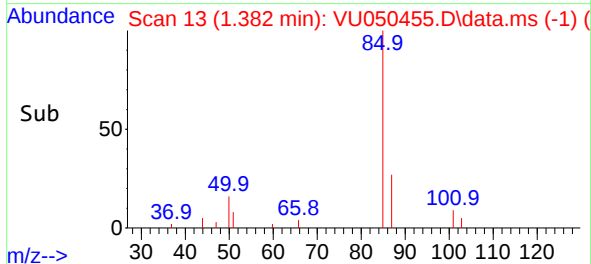
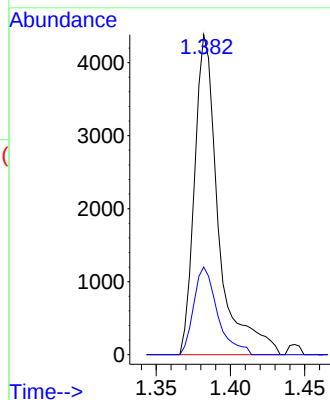
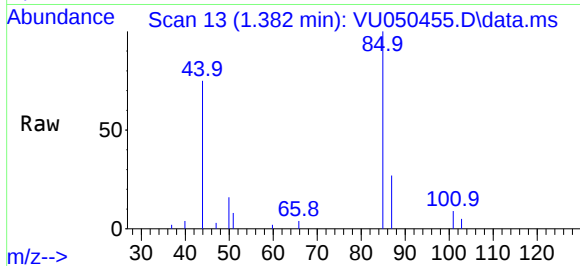




#2
Dichlorodifluoromethane
Concen: 2.015 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

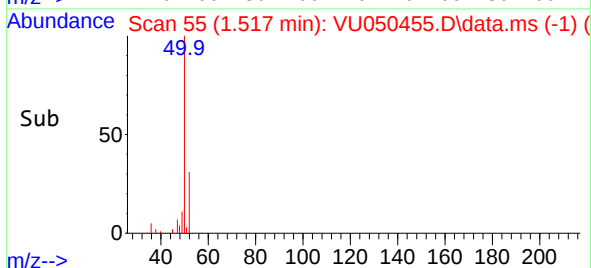
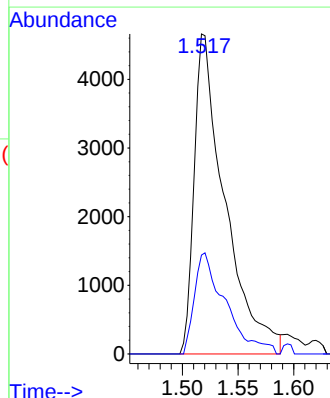
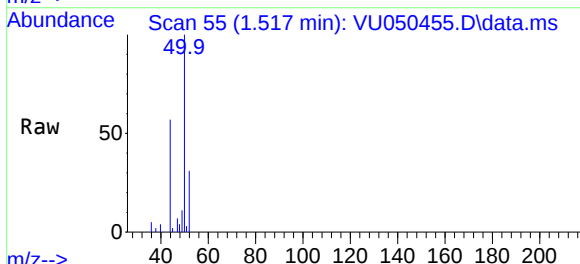
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

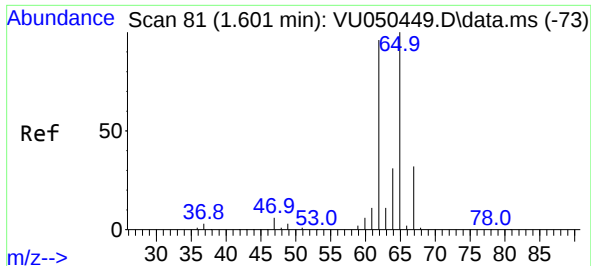
Tgt Ion: 85 Resp: 4919
Ion Ratio Lower Upper
85 100
87 27.2 26.2 39.4



#3
Chloromethane
Concen: 3.139 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 50 Resp: 8921
Ion Ratio Lower Upper
50 100
52 30.9 23.4 43.6

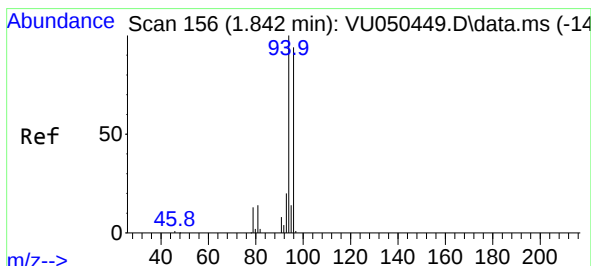
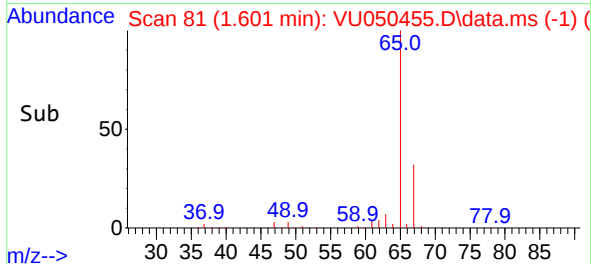
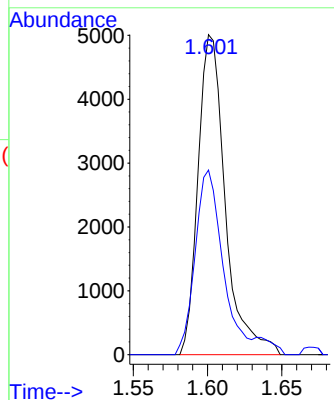
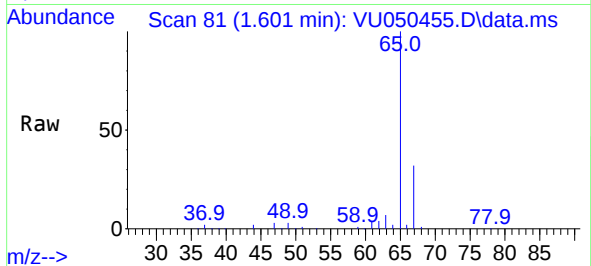




#5
 Vinyl chloride
 Concen: 2.306 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

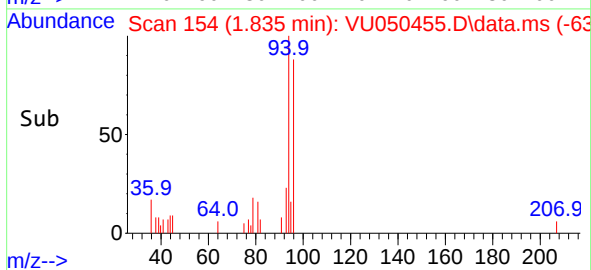
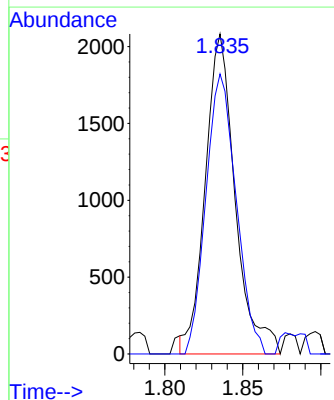
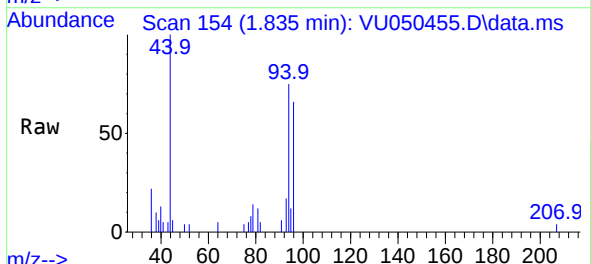
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT3-2022-05

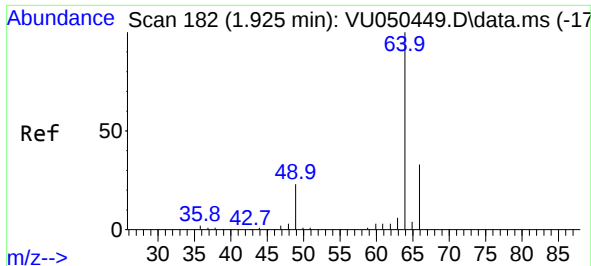
Tgt Ion: 62 Resp: 6406
 Ion Ratio Lower Upper
 62 100
 64 57.7 23.1 42.9#



#6
 Bromomethane
 Concen: 2.702 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.006 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

Tgt Ion: 94 Resp: 2776
 Ion Ratio Lower Upper
 94 100
 96 87.5 63.3 117.5

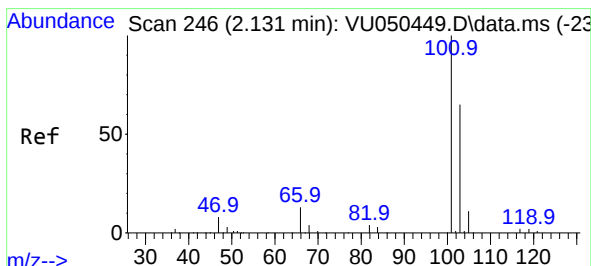
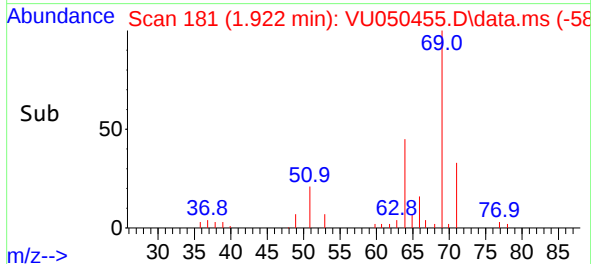
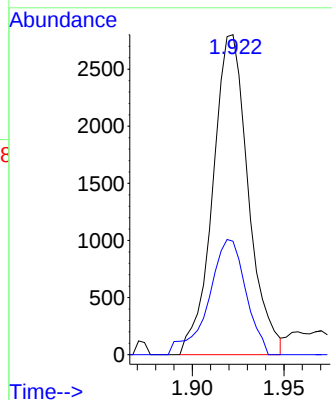
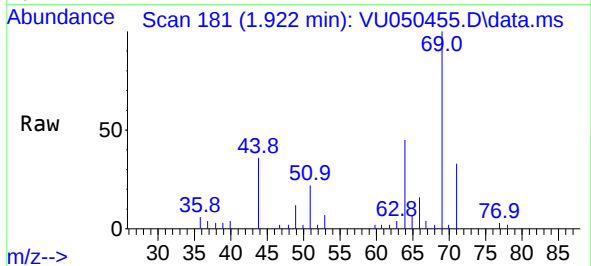




#8
Chloroethane
Concen: 2.236 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

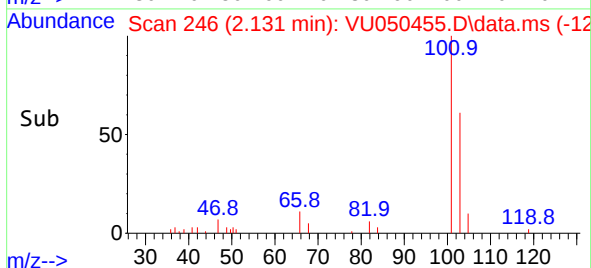
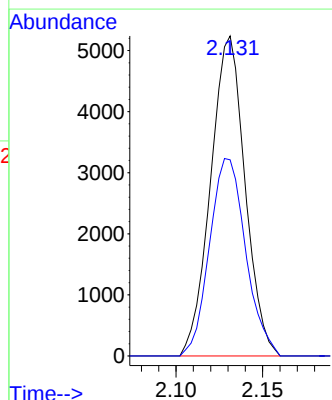
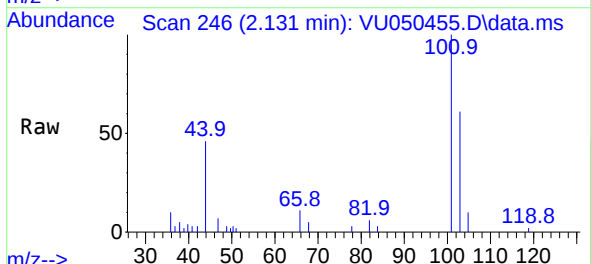
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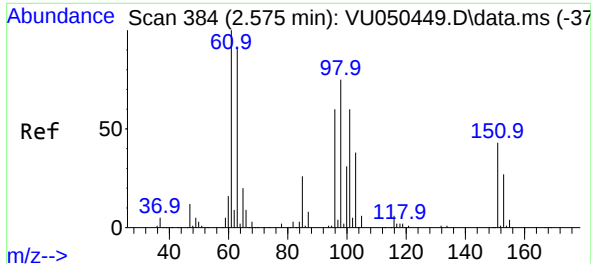
Tgt Ion: 64 Resp: 3774
Ion Ratio Lower Upper
64 100
66 44.5 22.3 41.3#



#9
Trichlorofluoromethane
Concen: 2.047 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:101 Resp: 7238
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10

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

Concen: 2.817 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

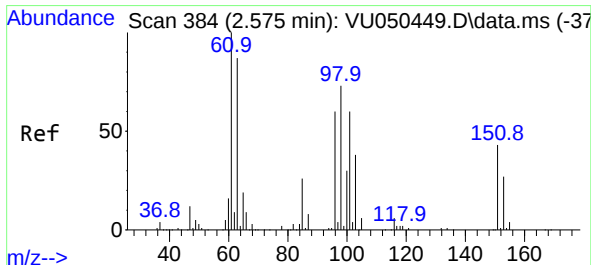
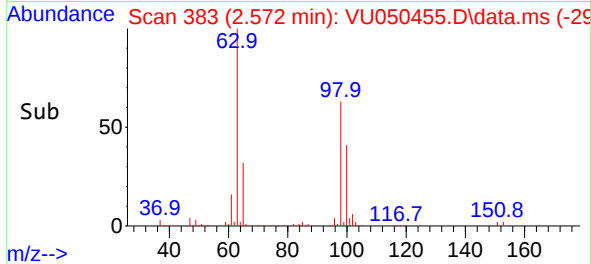
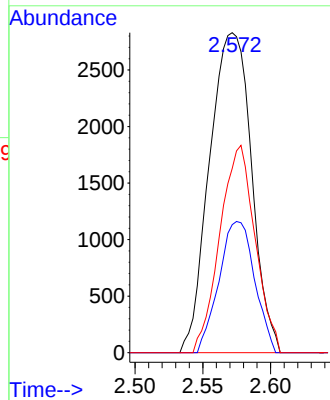
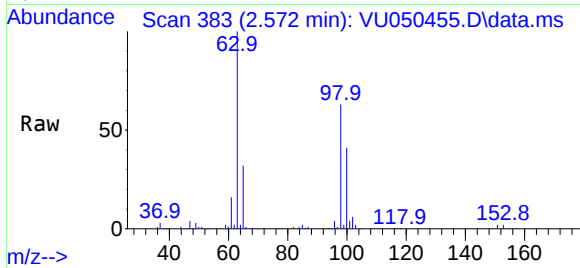
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

Tgt Ion:	101	Resp:	6105
Ion	Ratio	Lower	Upper
101	100		
85	34.7	35.3	52.9#
151	54.4	57.3	85.9#



#12

1,1-Dichloroethene

Concen: 2.860 ug/L

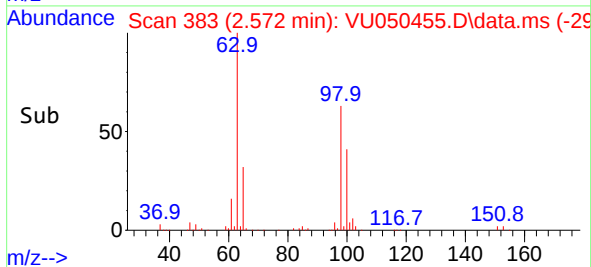
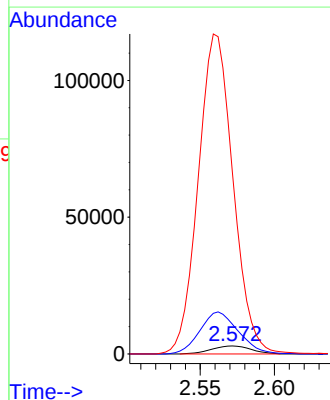
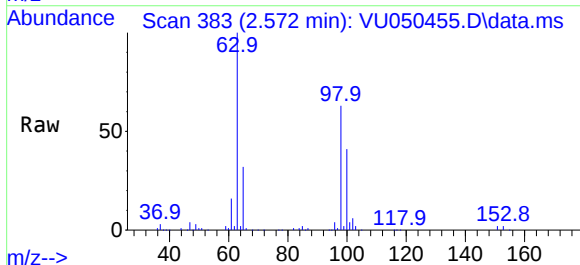
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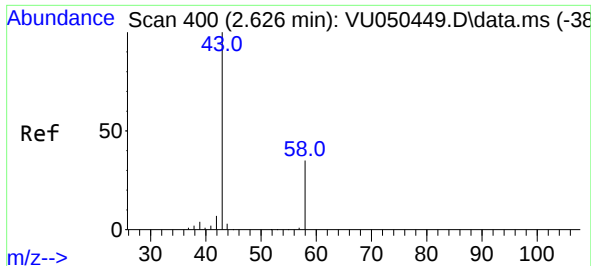
Delta R.T. -0.003 min

Lab File: VU050455.D

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Tgt Ion:	96	Resp:	5479
Ion	Ratio	Lower	Upper
96	100		
61	370.6	116.8	216.8#
63	2269.2	97.4	180.8#





#13

Acetone

Concen: 4.534 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

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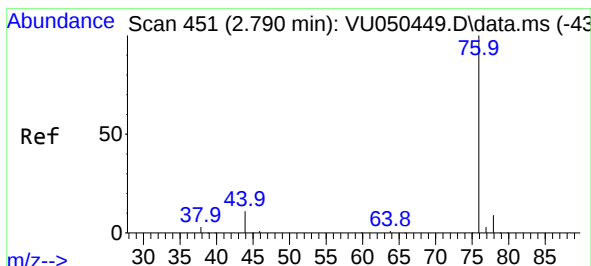
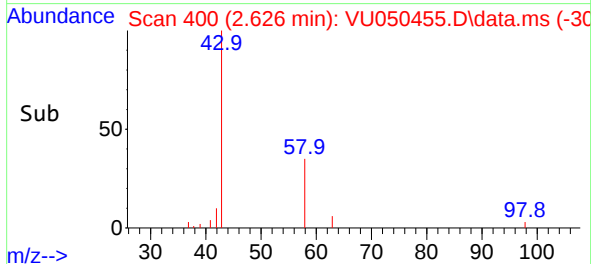
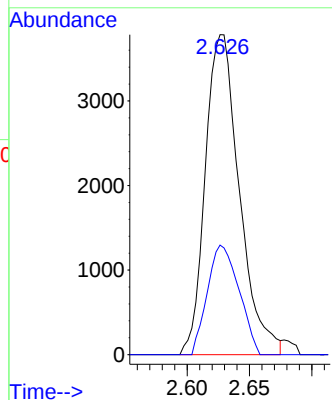
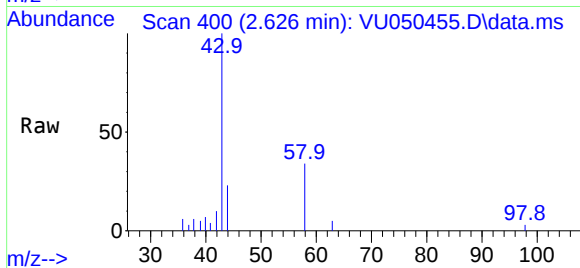
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 43 Resp: 7206

Ion Ratio Lower Upper

43 100

58 31.6 0.0 72.2



#14

Carbon disulfide

Concen: 1.790 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050455.D

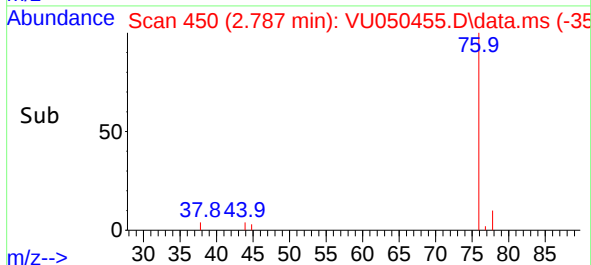
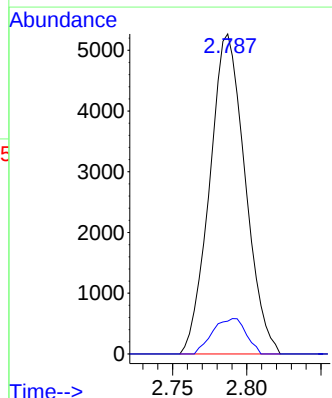
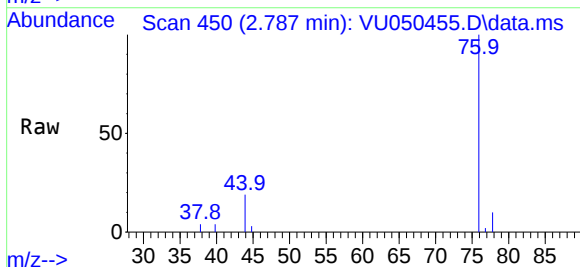
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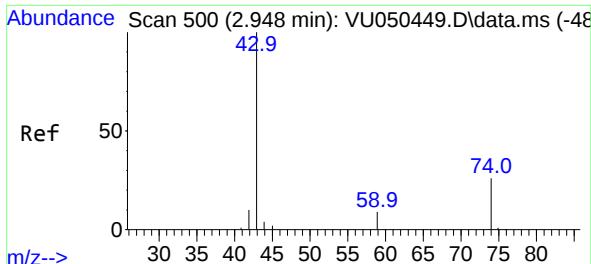
Tgt Ion: 76 Resp: 8750

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9

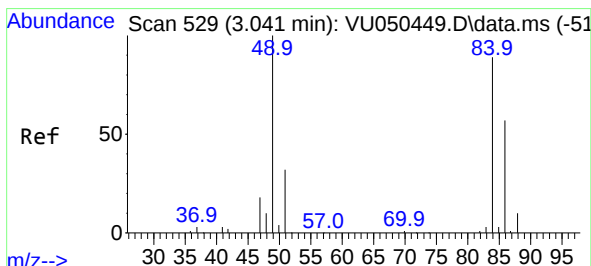
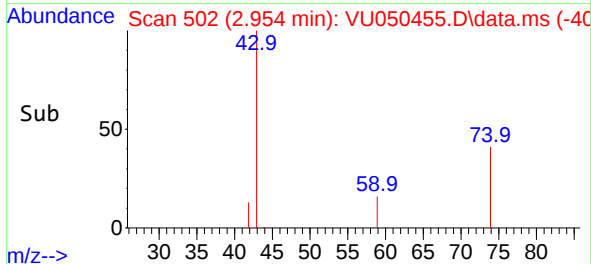
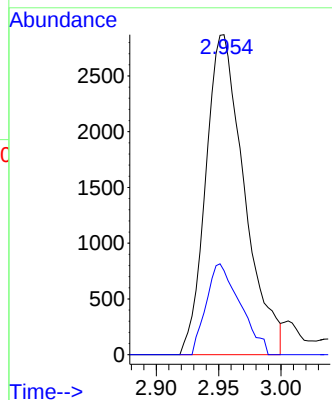
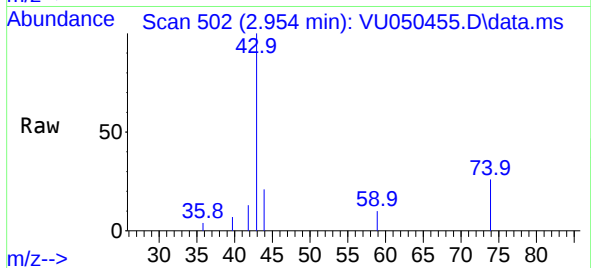




#15
Methyl Acetate
Concen: 2.162 ug/L
RT: 2.954 min Scan# 500
Delta R.T. 0.007 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

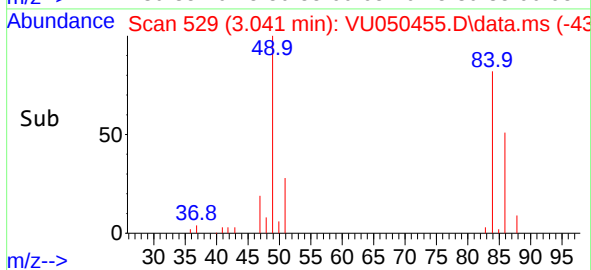
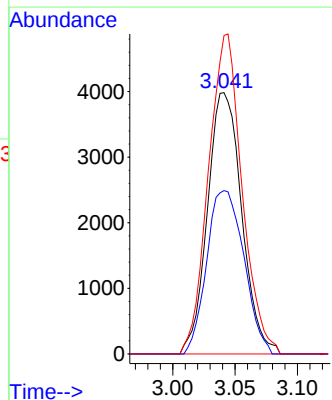
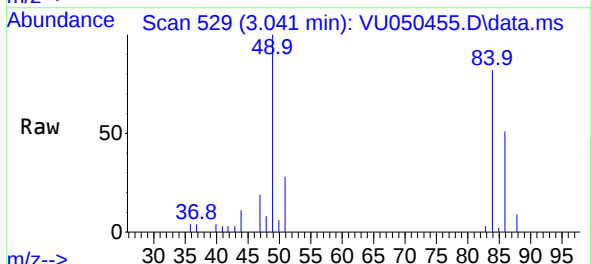
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

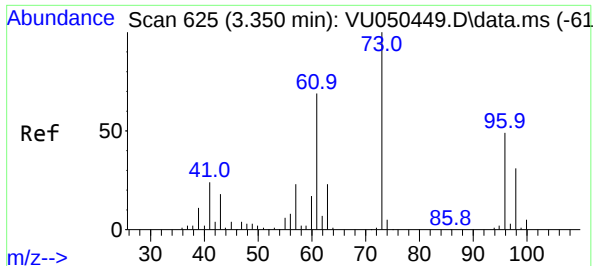
Tgt Ion: 43 Resp: 6182
Ion Ratio Lower Upper
43 100
74 24.6 21.2 31.8



#16
Methylene chloride
Concen: 2.858 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 84 Resp: 7631
Ion Ratio Lower Upper
84 100
86 62.5 43.9 81.5
49 121.9 80.4 149.4

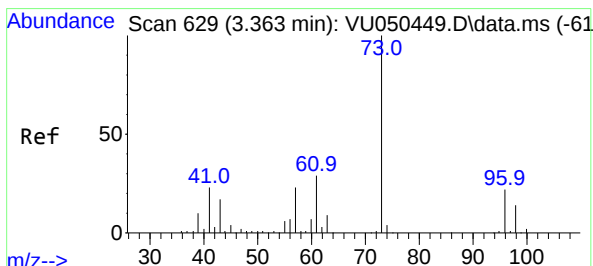
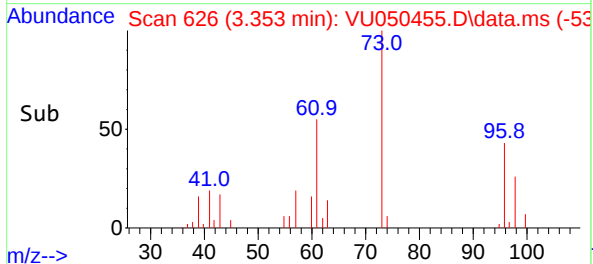
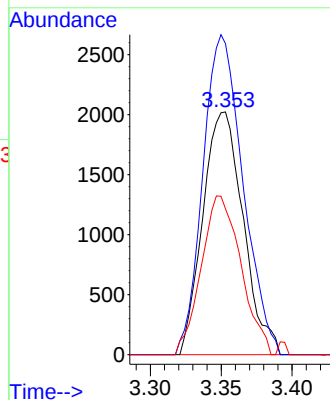
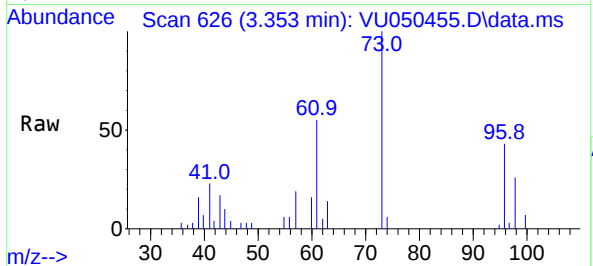




#17
trans-1,2-Dichloroethene
Concen: 1.991 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

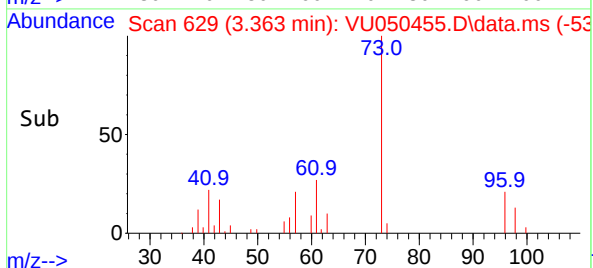
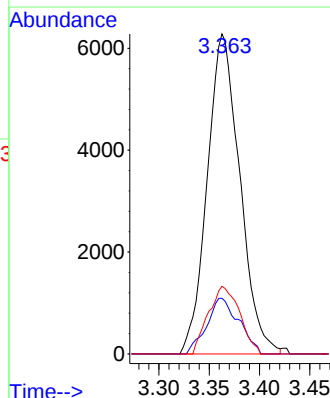
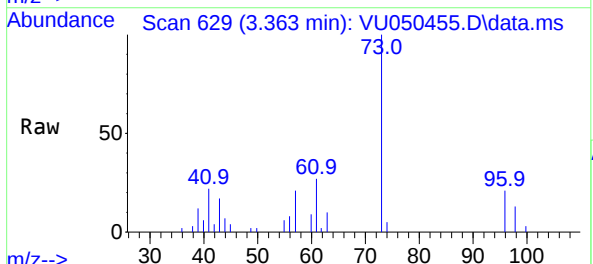
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

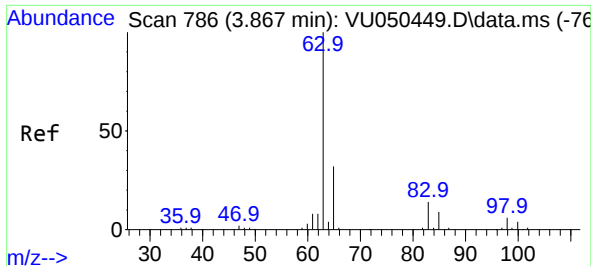
Tgt Ion: 96 Resp: 4010
Ion Ratio Lower Upper
96 100
61 121.1 98.5 182.9
98 56.8 45.7 84.9



#18
Methyl tert-butyl Ether
Concen: 2.224 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 73 Resp: 14177
Ion Ratio Lower Upper
73 100
43 17.2 14.4 21.6
57 20.3 17.8 26.8

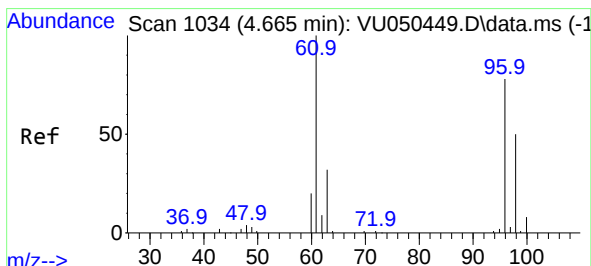
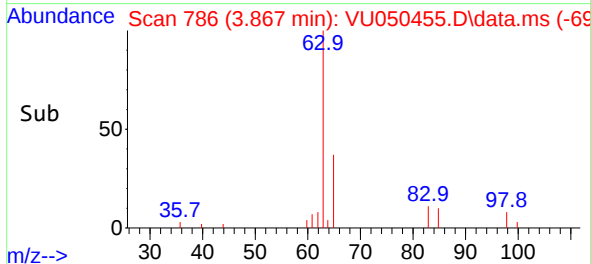
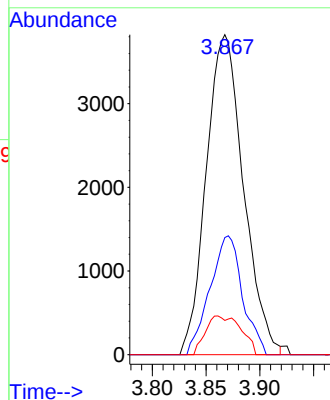
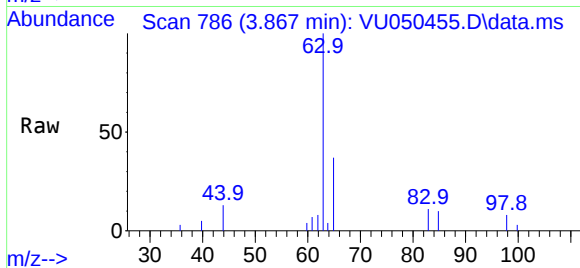




#19
1,1-Dichloroethane
Concen: 2.112 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

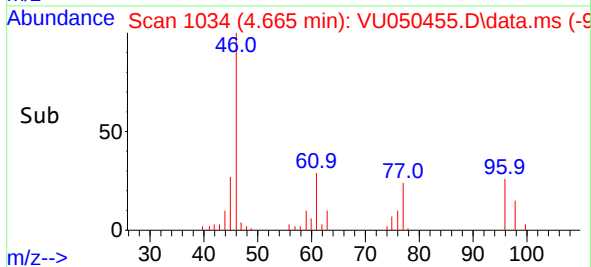
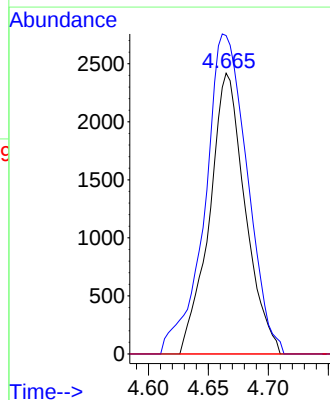
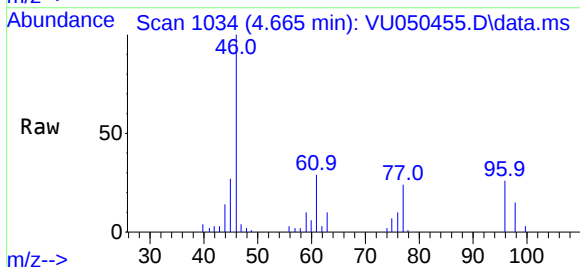
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

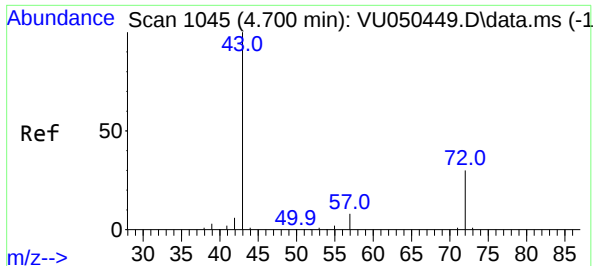
Tgt Ion:	63	Resp:	9216
Ion	Ratio	Lower	Upper
63	100		
65	35.1	23.3	43.3
83	10.3	9.0	16.8



#20
cis-1,2-Dichloroethene
Concen: 2.078 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:	96	Resp:	5013
Ion	Ratio	Lower	Upper
96	100		
61	113.4	88.1	163.5
68	0.0	0.0	0.0

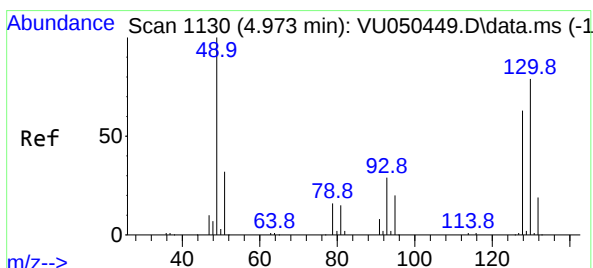
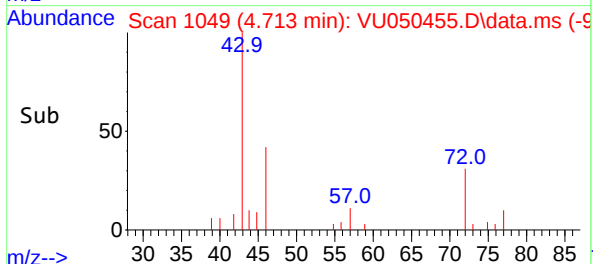
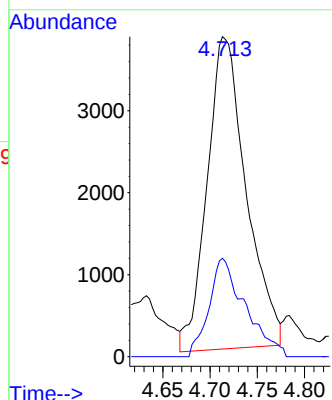
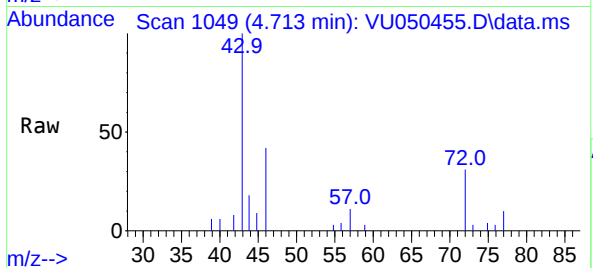




#22
2-Butanone
Concen: 5.082 ug/L
RT: 4.713 min Scan# 1045
Delta R.T. 0.013 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

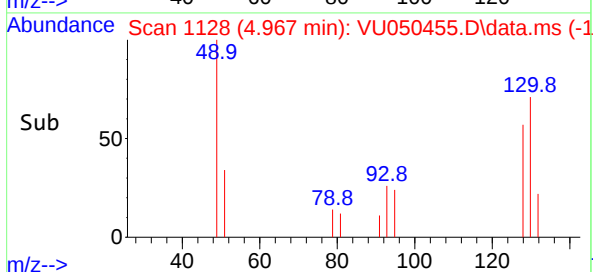
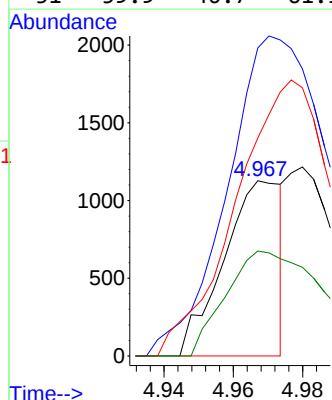
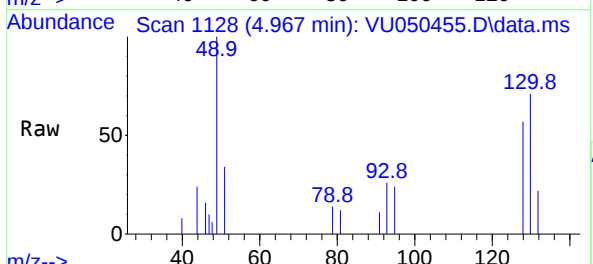
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

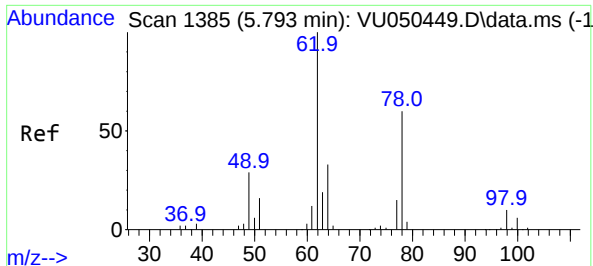
Tgt Ion: 43 Resp: 10948
Ion Ratio Lower Upper
43 100
72 19.9 15.0 45.0



#23
Bromochloromethane
Concen: 0.995 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 128 Resp: 1311
Ion Ratio Lower Upper
128 100
49 175.9 111.2 206.4
130 124.4 91.1 169.1
51 59.9 40.7 61.1

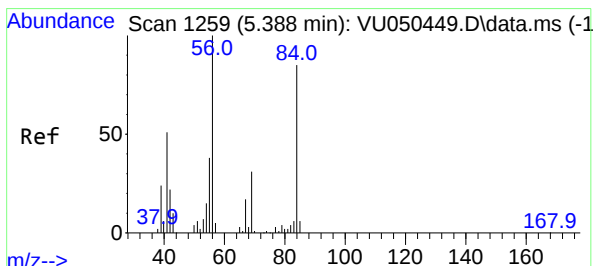
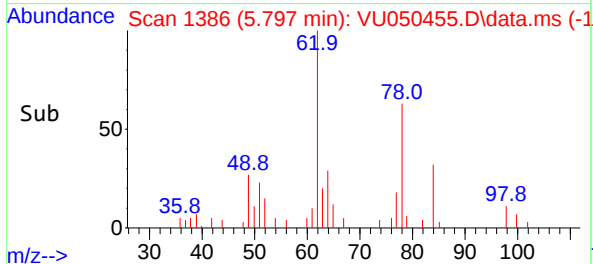
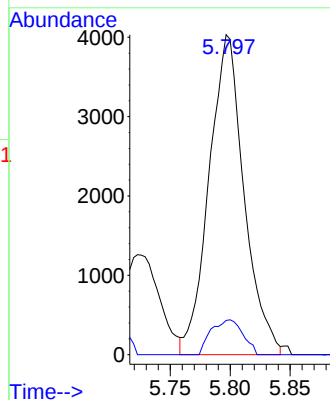
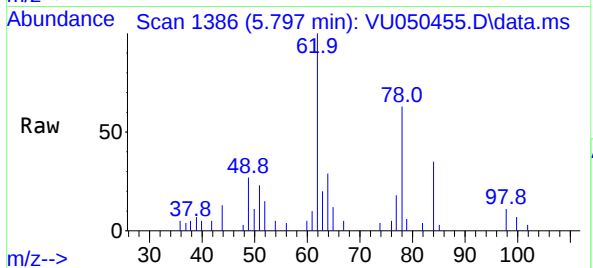




#27
1,2-Dichloroethane
Concen: 2.356 ug/L
RT: 5.797 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

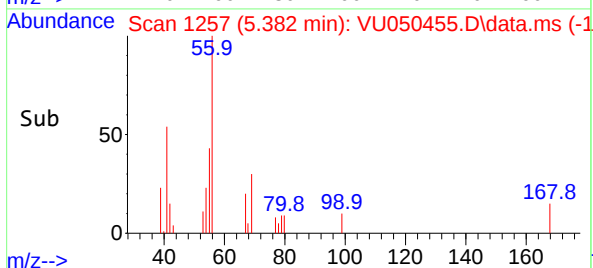
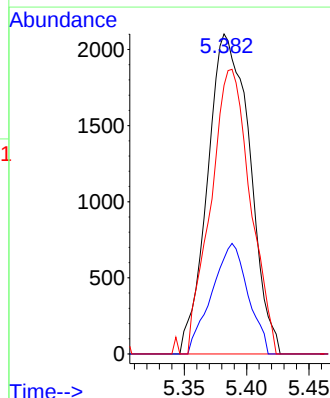
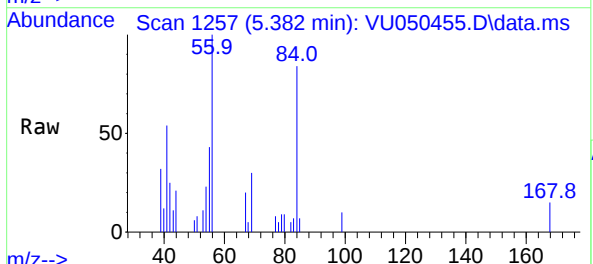
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

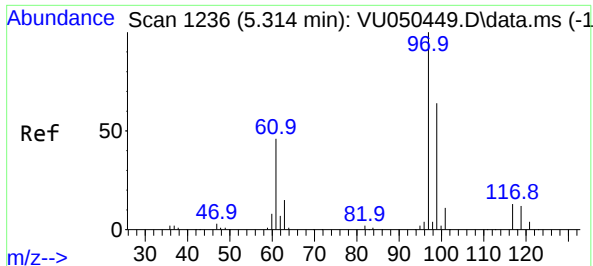
Tgt Ion: 62 Resp: 8169
Ion Ratio Lower Upper
62 100
98 10.7 7.3 10.9



#29
Cyclohexane
Concen: 1.734 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 56 Resp: 4944
Ion Ratio Lower Upper
56 100
69 29.7 24.6 36.8
84 83.5 68.8 103.2

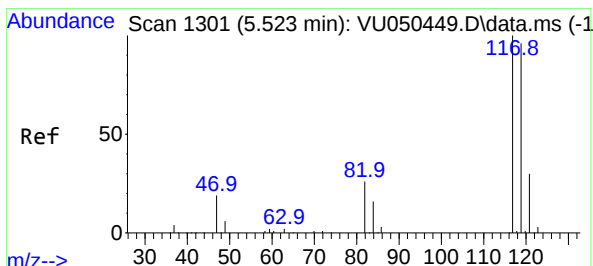
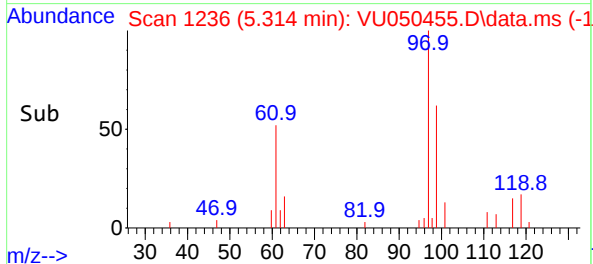
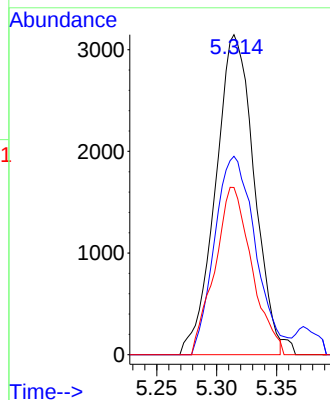
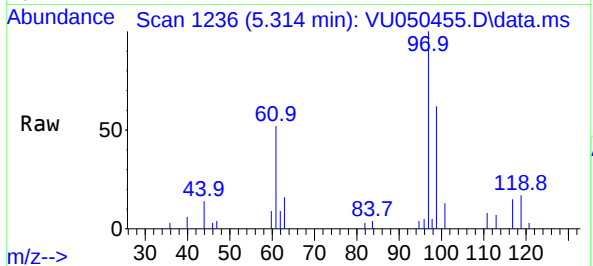




#30
1,1,1-Trichloroethane
Concen: 1.984 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

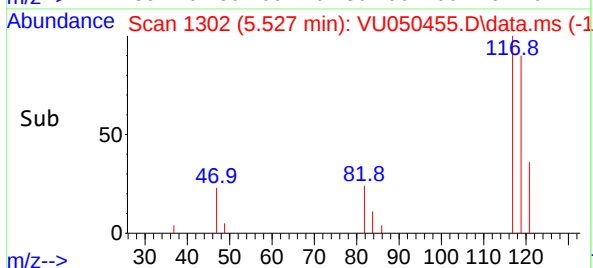
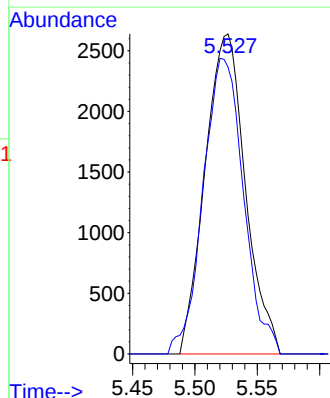
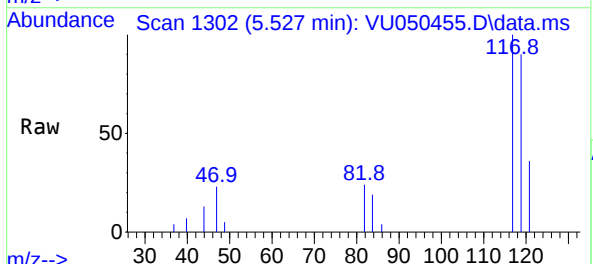
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

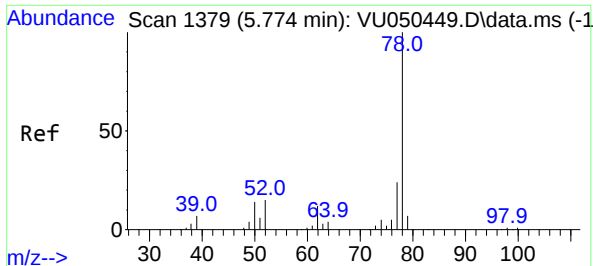
Tgt Ion:	97	Resp:	7034
Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.2	76.8
61	50.2	36.6	55.0



#31
Carbon tetrachloride
Concen: 2.043 ug/L
RT: 5.527 min Scan# 1302
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:	117	Resp:	5944
Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.9	115.3

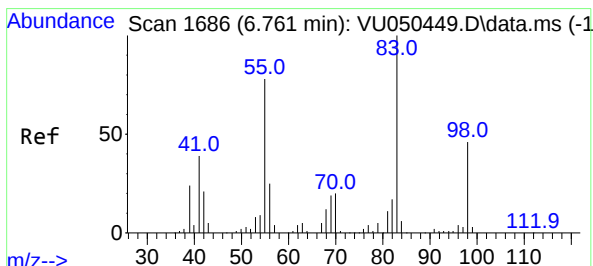
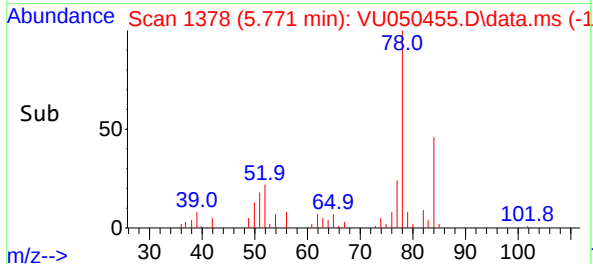
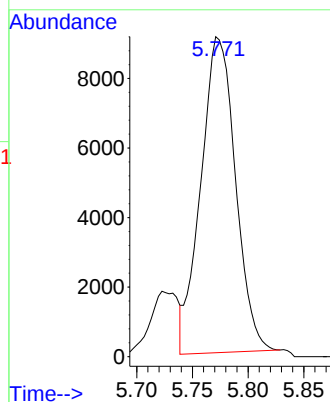
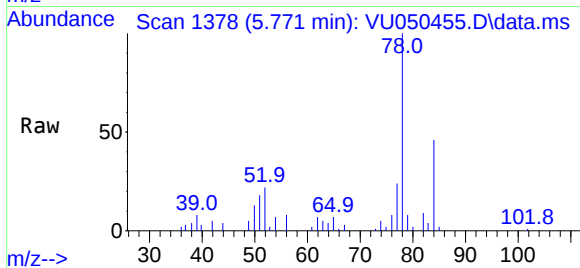




#33
Benzene
Concen: 2.095 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

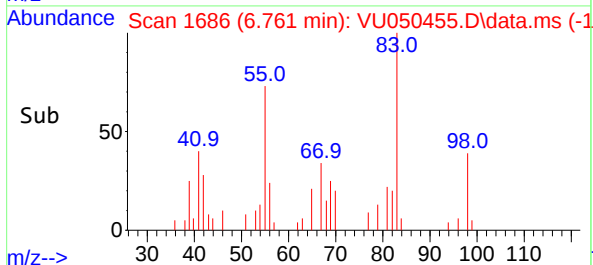
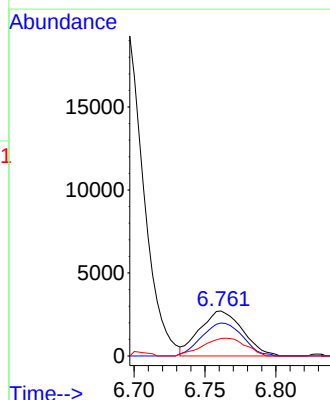
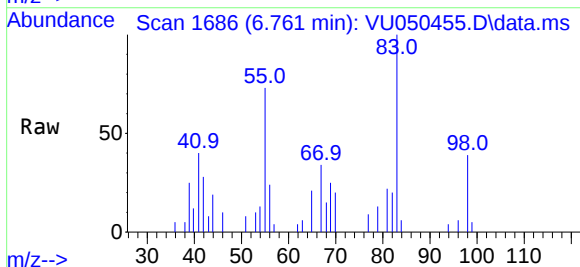
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

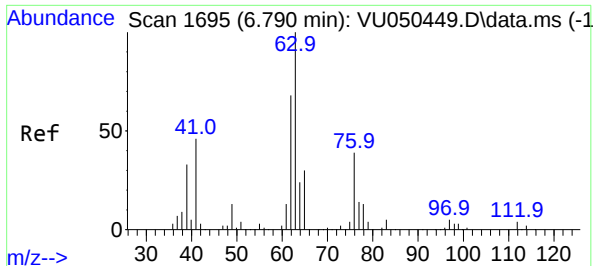
Tgt Ion: 78 Resp: 19656



#35
Methylcyclohexane
Concen: 1.840 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 83 Resp: 5715
Ion Ratio Lower Upper
83 100
55 69.5 61.9 92.9
98 39.3 35.8 53.8

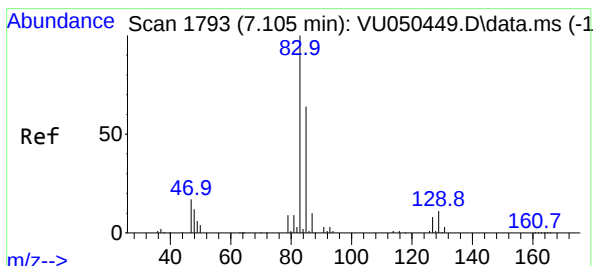
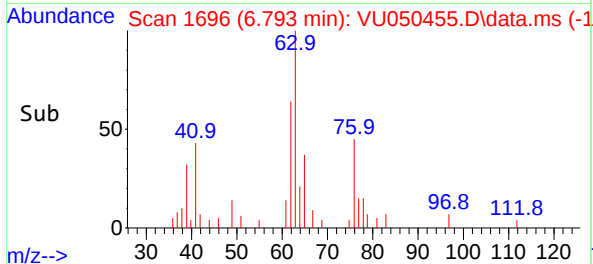
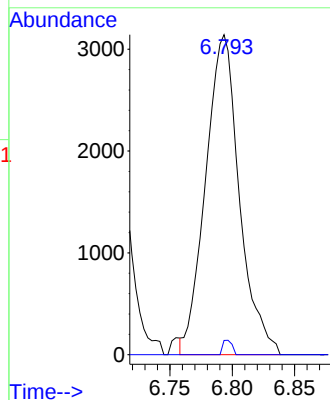
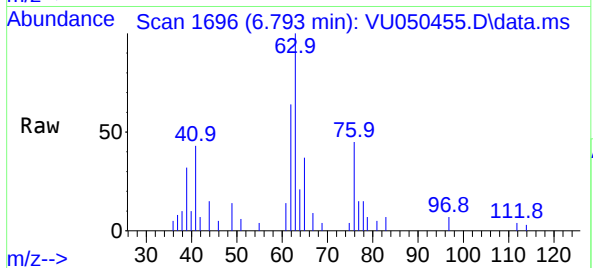




#37
1,2-Dichloropropane
Concen: 2.174 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

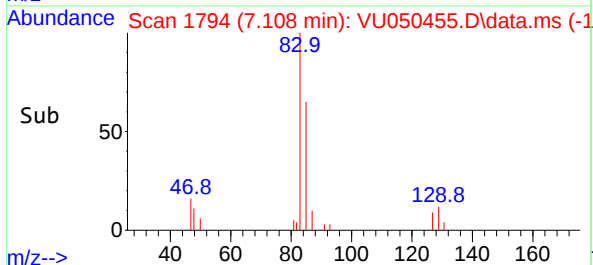
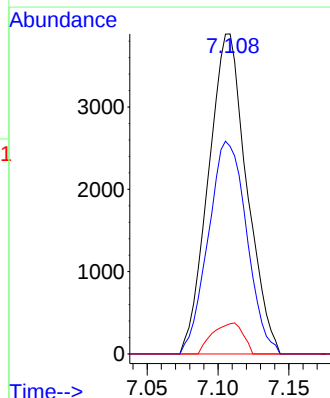
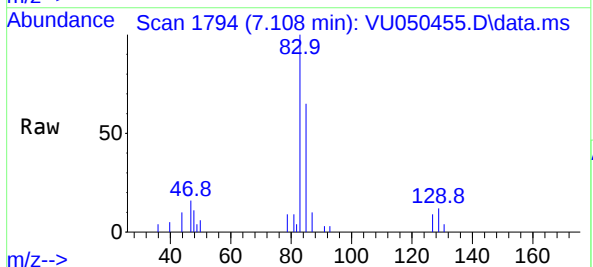
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

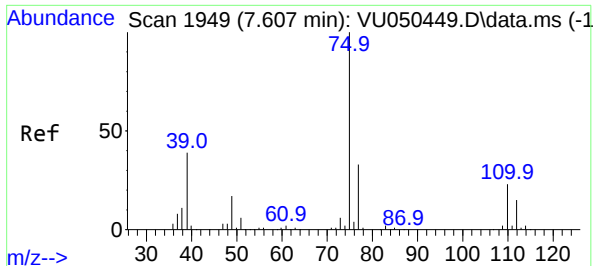
Tgt Ion: 63 Resp: 5924
Ion Ratio Lower Upper
63 100
112 1.2 3.0 4.4#



#38
Bromodichloromethane
Concen: 2.103 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 83 Resp: 7314
Ion Ratio Lower Upper
83 100
85 64.9 46.2 85.8
127 9.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 1.879 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

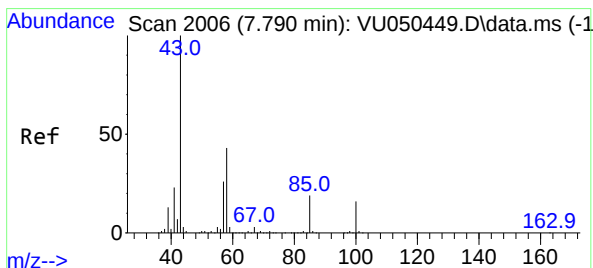
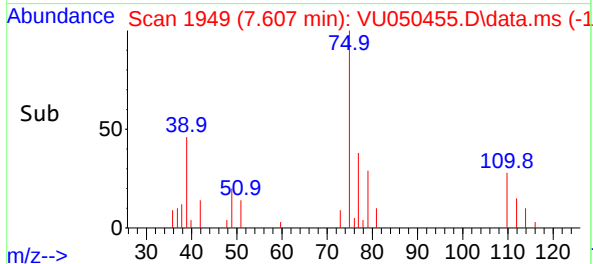
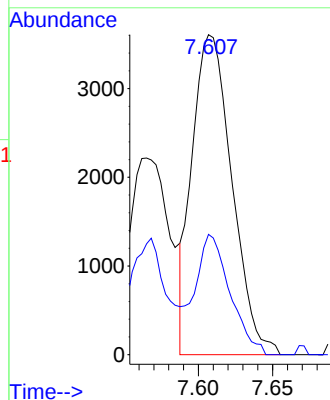
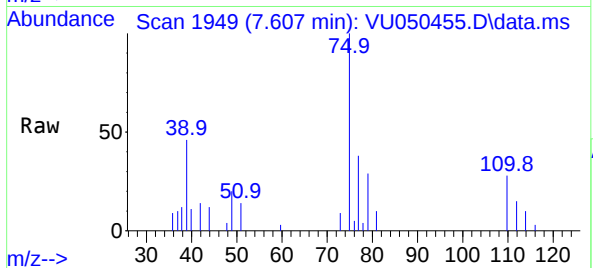
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 75 Resp: 6724

Ion Ratio Lower Upper

75 100

77 37.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 4.034 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

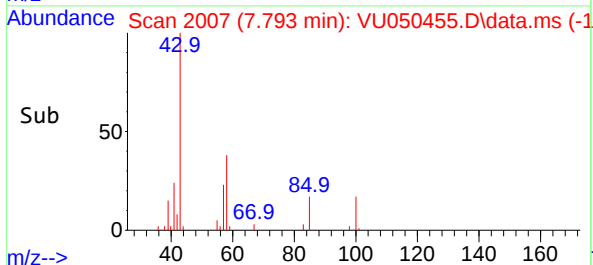
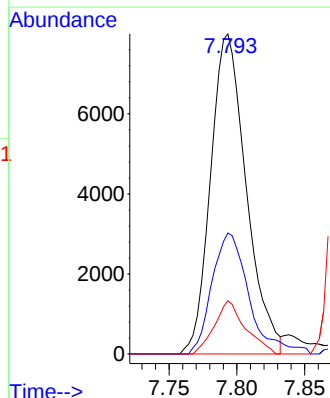
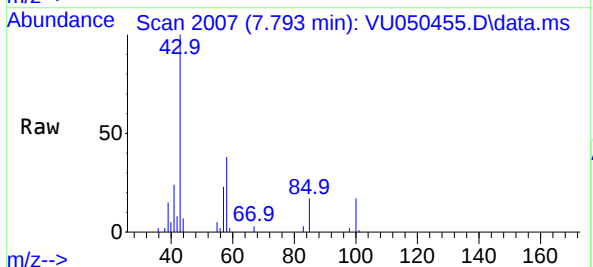
Tgt Ion: 43 Resp: 14609

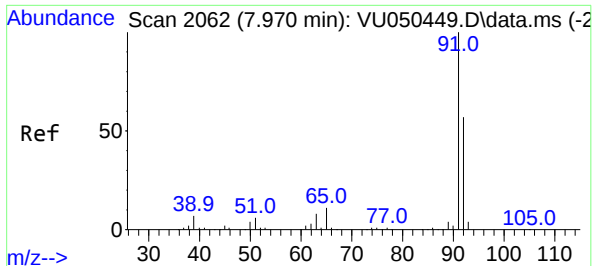
Ion Ratio Lower Upper

43 100

58 38.8 34.0 51.0

100 14.4 13.0 19.4





#42

Toluene

Concen: 2.142 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

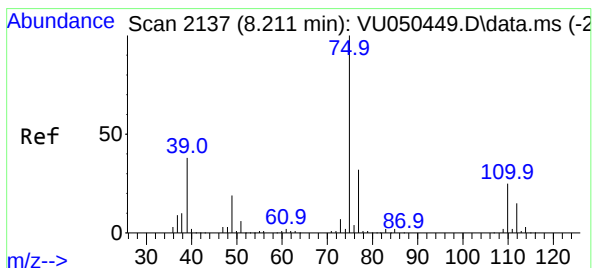
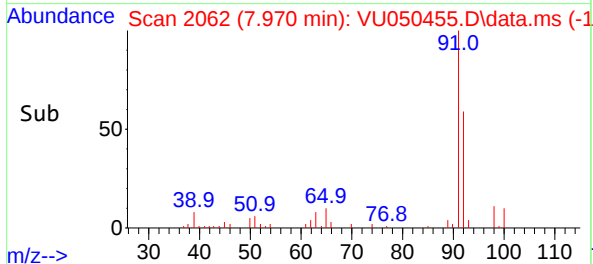
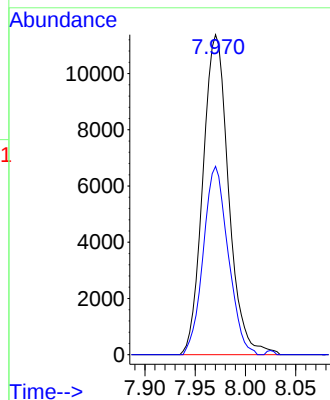
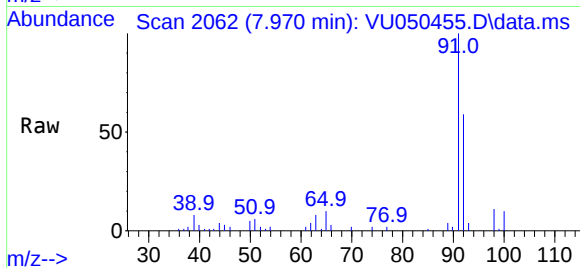
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 91 Resp: 20249

Ion Ratio Lower Upper

91 100

92 58.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 1.954 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU050455.D

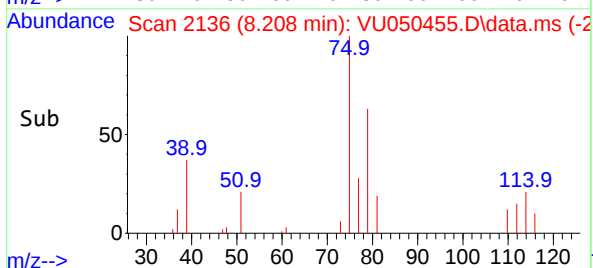
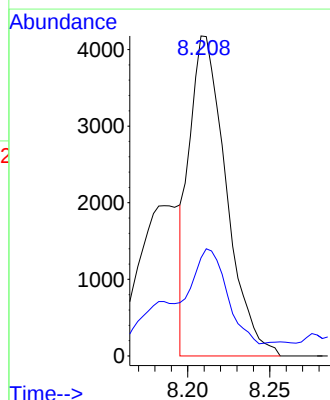
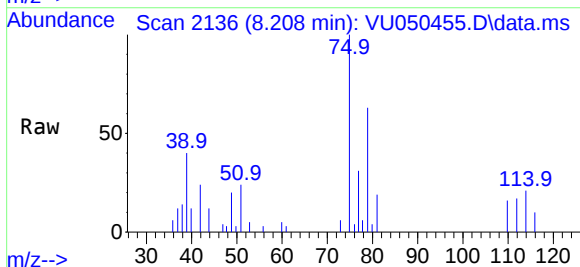
Acq: 26 Aug 2022 14:26

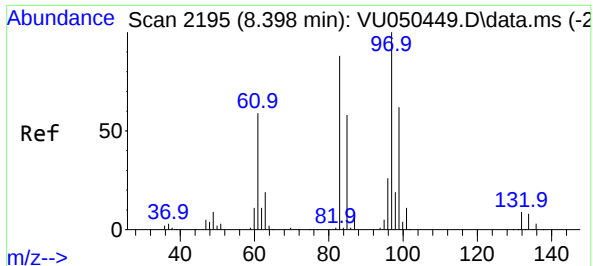
Tgt Ion: 75 Resp: 6519

Ion Ratio Lower Upper

75 100

77 30.7 22.5 41.7

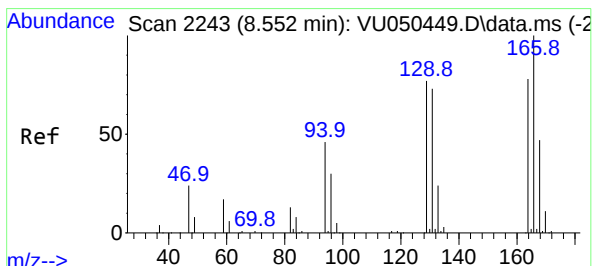
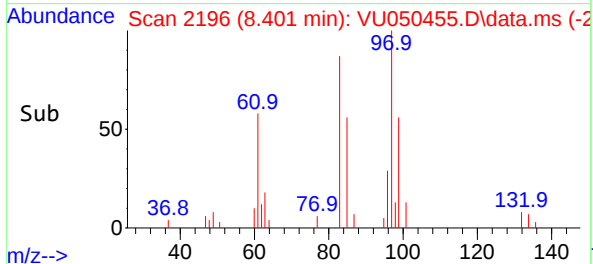
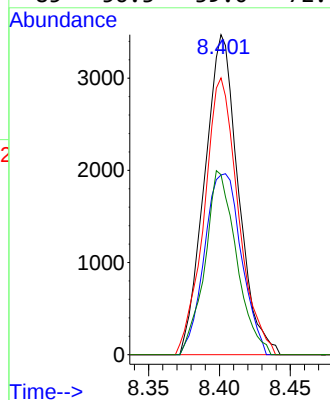
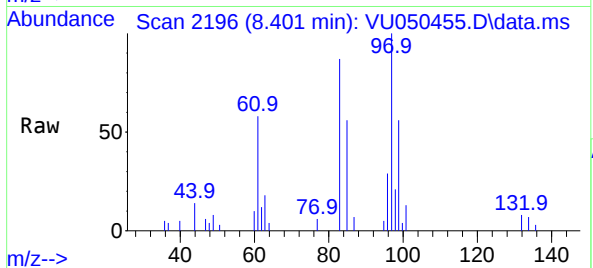




#45
1,1,2-Trichloroethane
Concen: 2.144 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

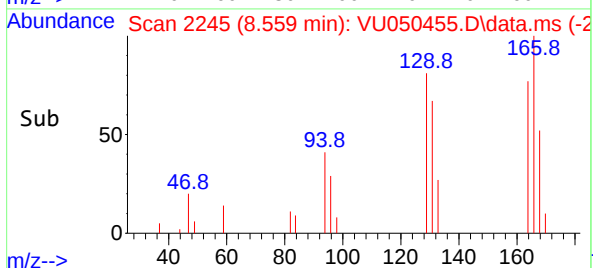
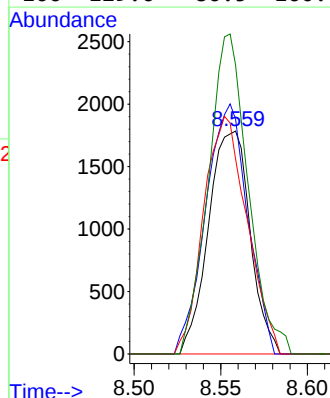
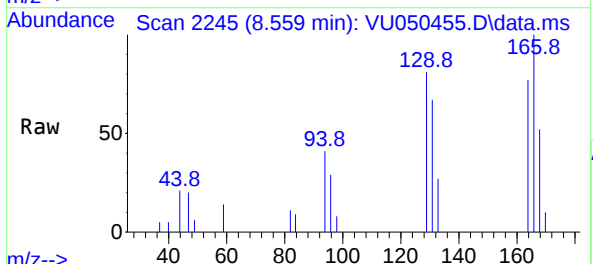
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

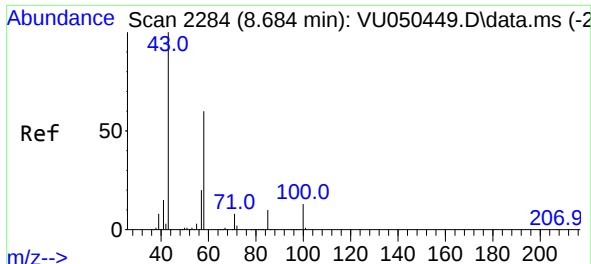
Tgt Ion: 97	Resp: 5751
Ion Ratio	Lower Upper
97 100	
99 56.1	43.3 80.3
83 86.5	60.3 112.1
85 56.3	39.0 72.4



#46
Tetrachloroethene
Concen: 1.824 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.007 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:164	Resp: 2976		
Ion	Ratio	Lower	Upper
164	100		
129	105.4	68.0	126.4
131	87.5	65.4	121.4
166	129.6	86.5	160.7

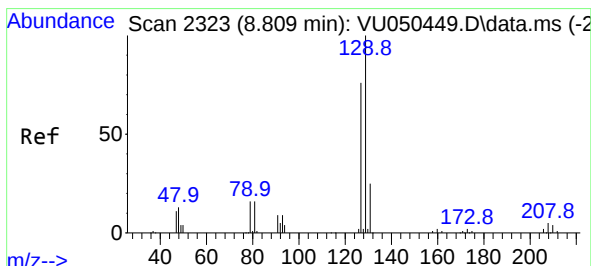
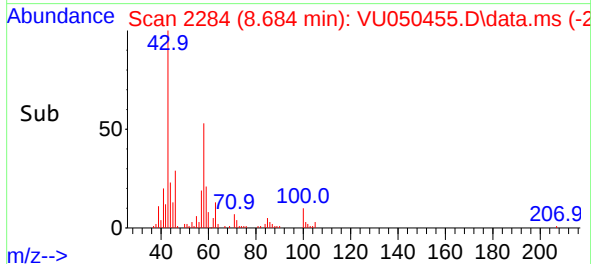
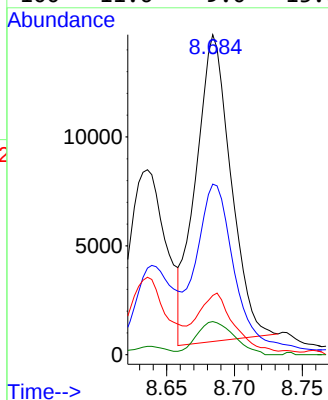
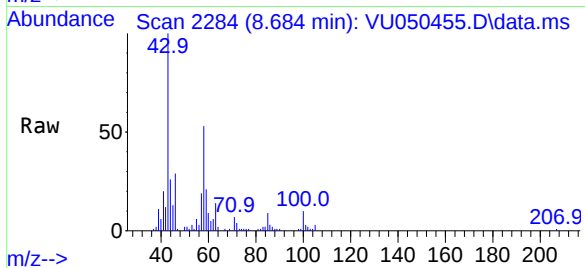




#48
2-Hexanone
Concen: 8.373 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

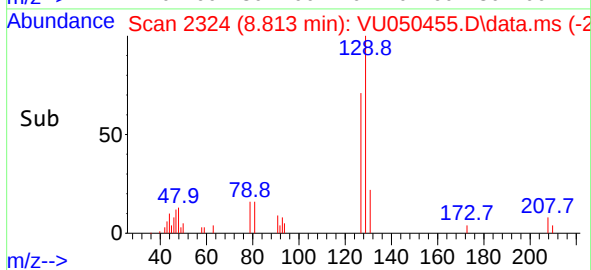
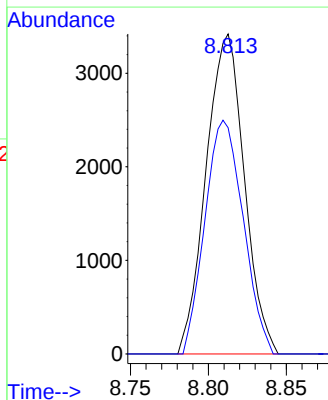
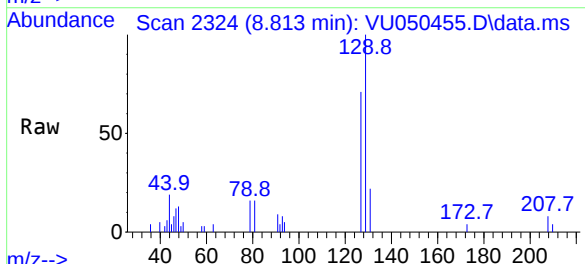
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

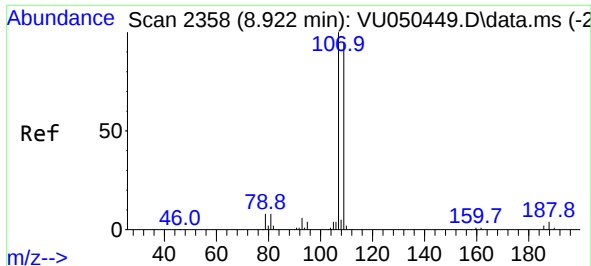
Tgt Ion:	43	Resp:	25326
Ion	Ratio	Lower	Upper
43	100		
58	57.0	47.9	71.9
57	21.2	15.4	23.0
100	11.6	9.0	13.6



#49
Dibromochloromethane
Concen: 2.101 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:	129	Resp:	5836
Ion	Ratio	Lower	Upper
129	100		
127	70.7	55.9	103.7

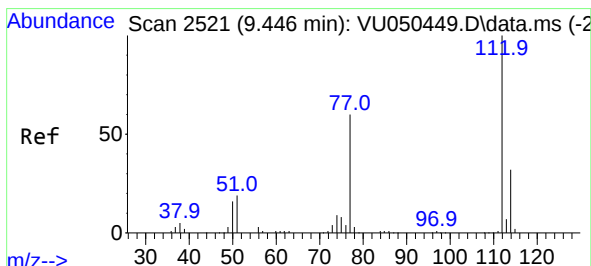
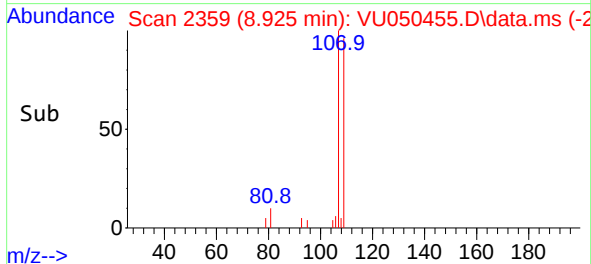
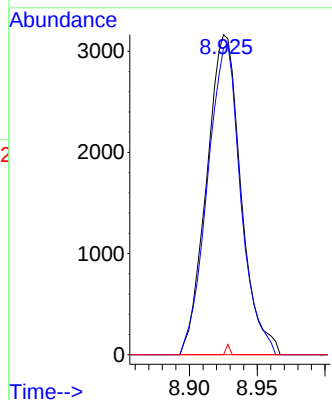
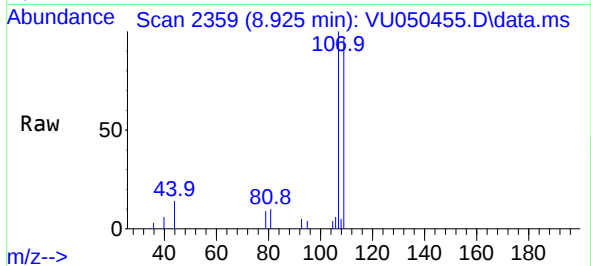




#50
1,2-Dibromoethane
Concen: 2.074 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

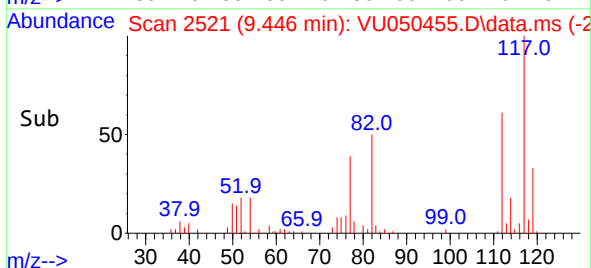
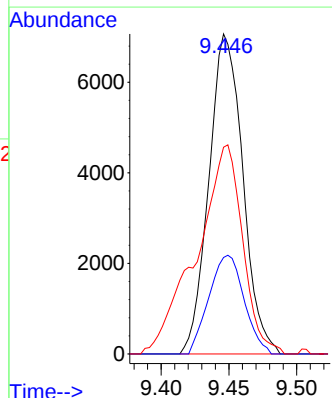
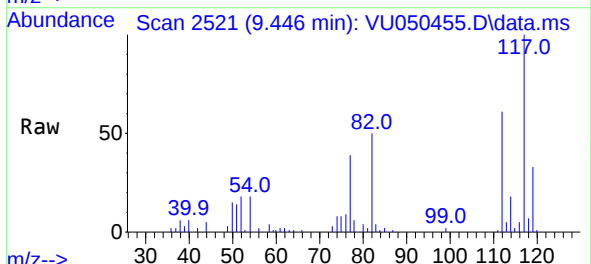
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

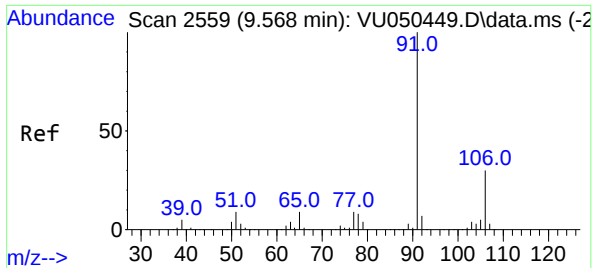
Tgt Ion:107 Resp: 5558
Ion Ratio Lower Upper
107 100
109 95.9 66.0 122.6
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 1.984 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:112 Resp: 12308
Ion Ratio Lower Upper
112 100
114 34.1 21.8 40.6
77 64.6 47.6 71.4

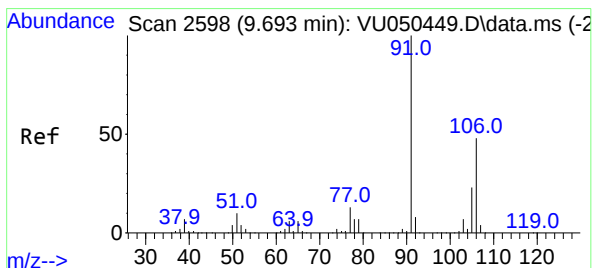
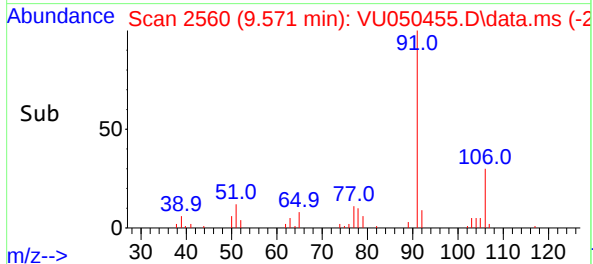
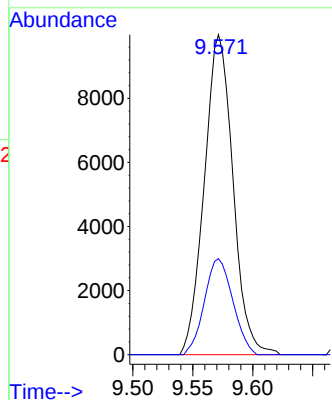
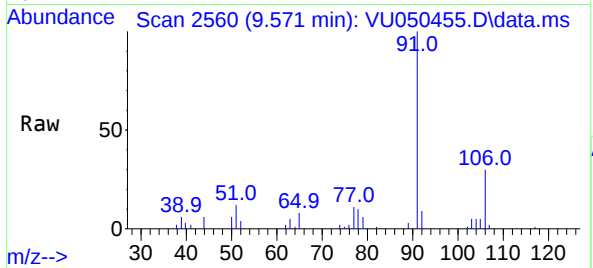




#52
Ethylbenzene
Concen: 1.741 ug/L
RT: 9.571 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

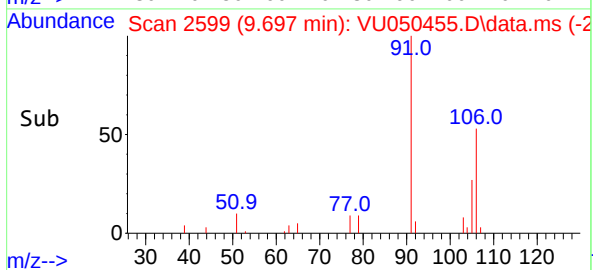
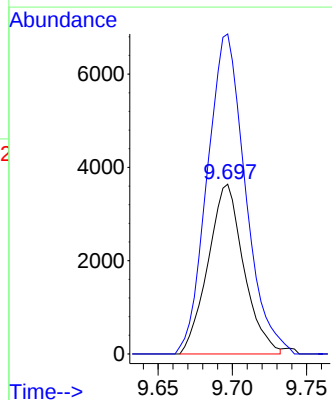
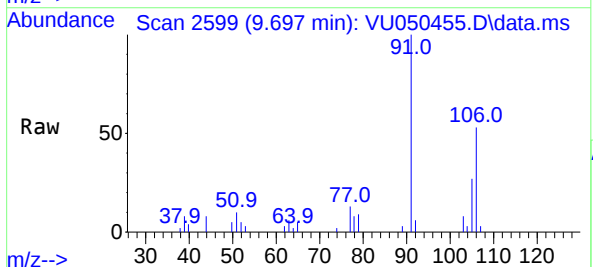
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

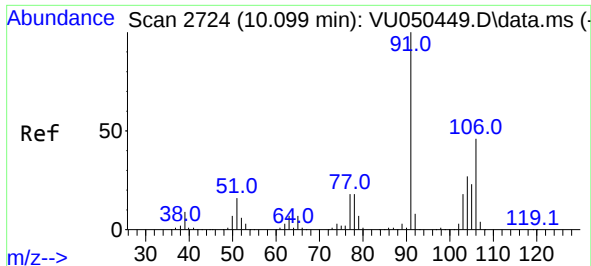
Tgt Ion: 91 Resp: 16584
Ion Ratio Lower Upper
91 100
106 32.5 21.7 40.3



#53
m,p-Xylene
Concen: 1.712 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 106 Resp: 6093
Ion Ratio Lower Upper
106 100
91 188.4 145.9 270.9

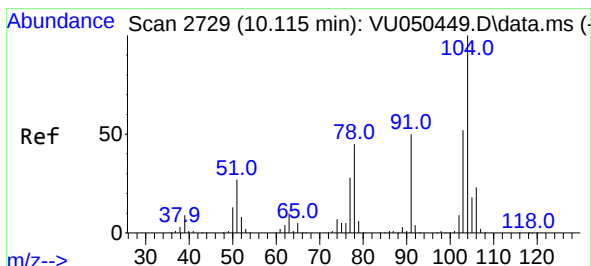
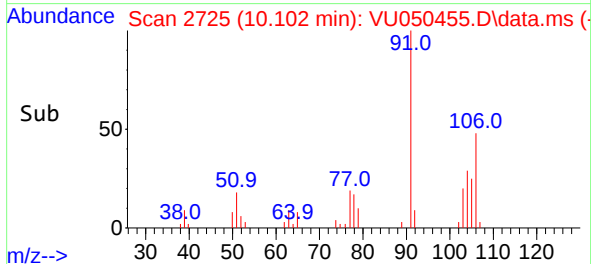
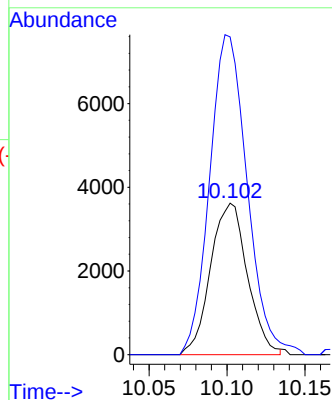
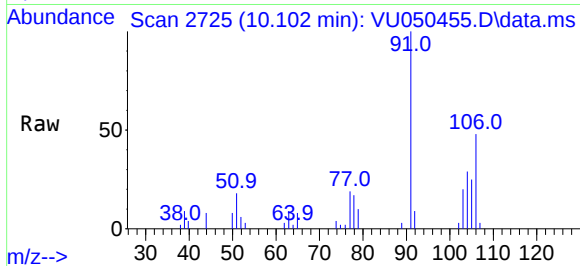




#54
o-Xylene
Concen: 1.685 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

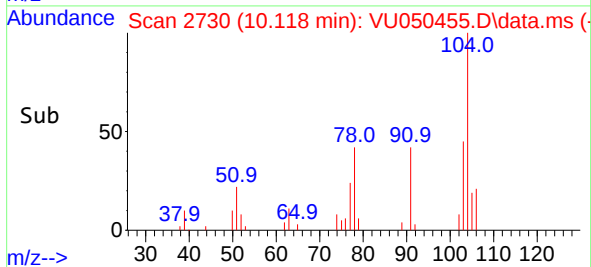
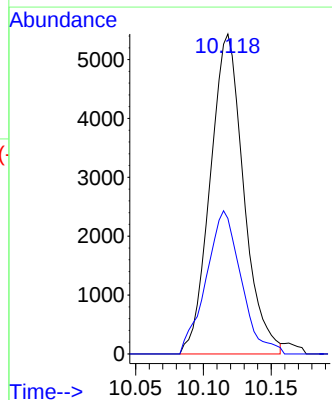
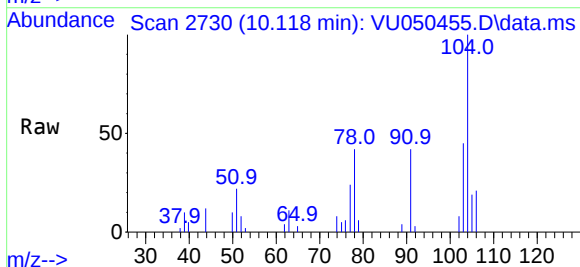
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

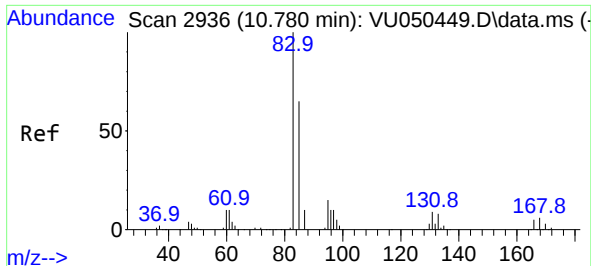
Tgt Ion:106 Resp: 5956
Ion Ratio Lower Upper
106 100
91 196.2 154.8 287.4



#55
Styrene
Concen: 1.549 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:104 Resp: 9317
Ion Ratio Lower Upper
104 100
78 42.4 31.6 58.8

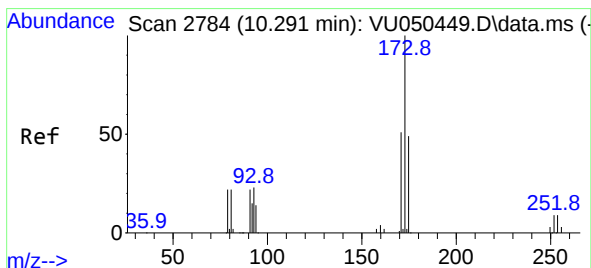
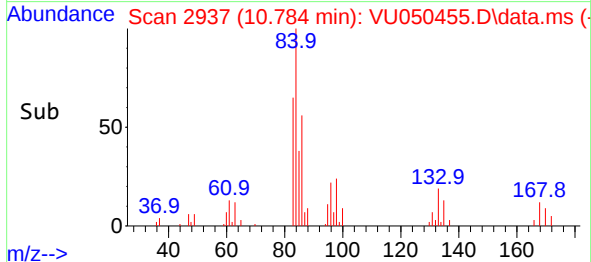
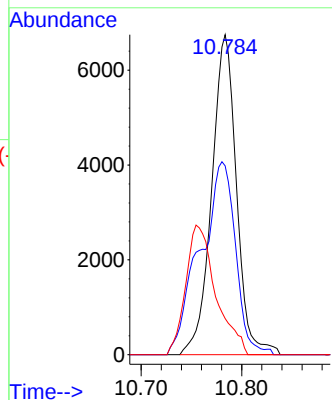
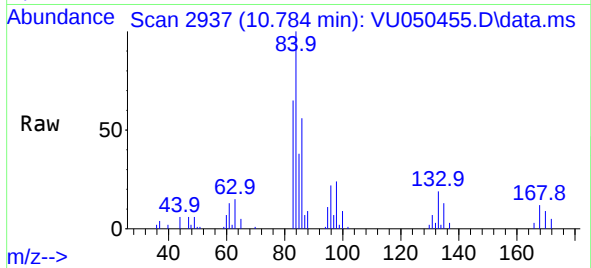




#57
1,1,2,2-Tetrachloroethane
Concen: 2.363 ug/L
RT: 10.784 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

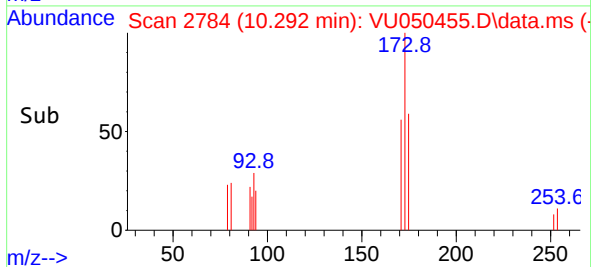
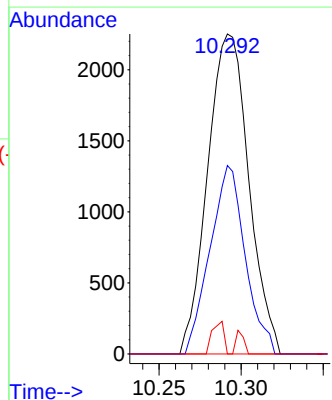
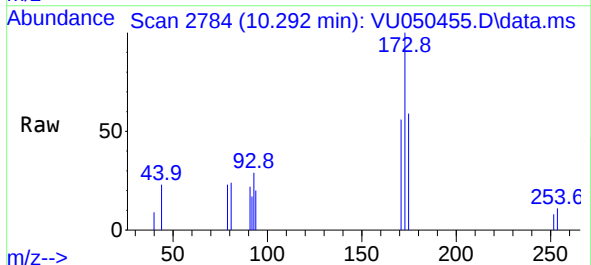
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

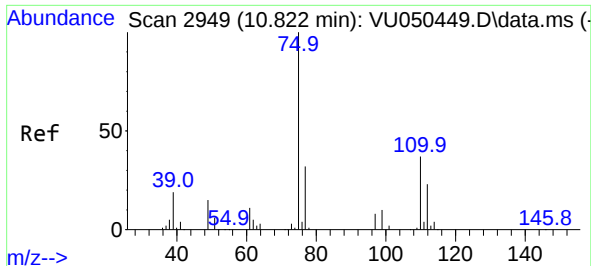
Tgt Ion: 83 Resp: 11581
Ion Ratio Lower Upper
83 100
85 59.0 45.4 84.2
131 11.3 7.2 10.8#



#59
Bromoform
Concen: 2.286 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:173 Resp: 3927
Ion Ratio Lower Upper
173 100
175 50.3 38.4 57.6
254 2.9 7.1 10.7#

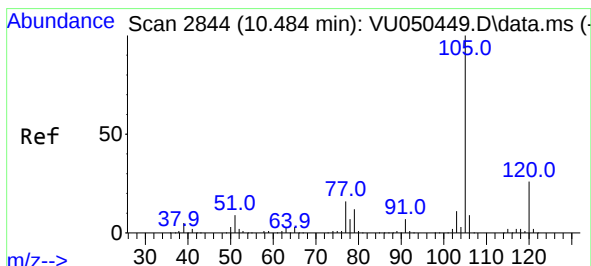
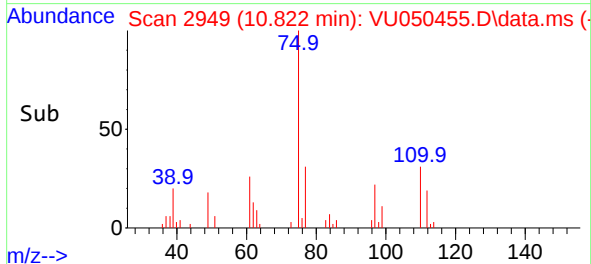
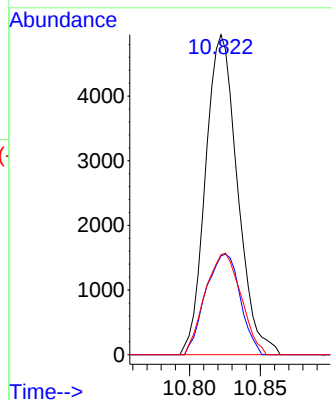
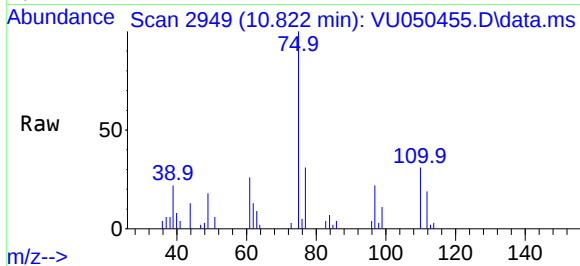




#60
1,2,3-Trichloropropane
Concen: 2.511 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

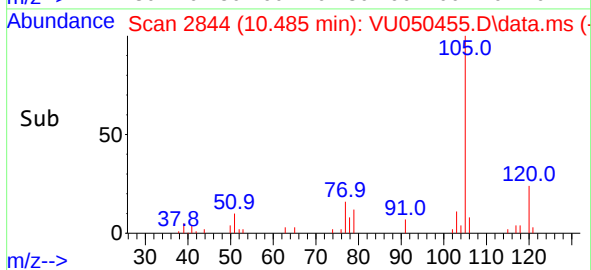
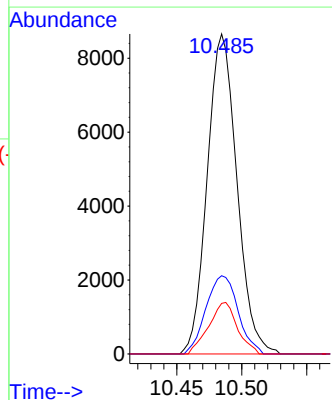
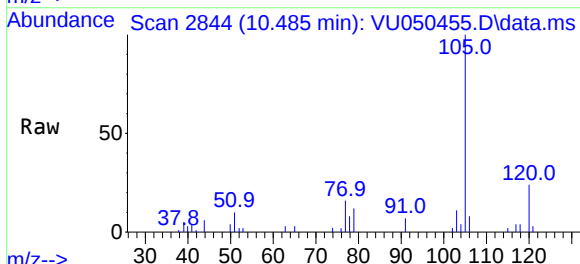
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

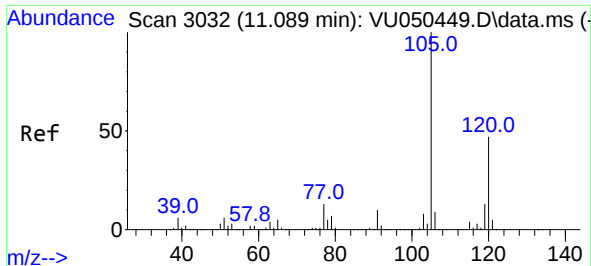
Tgt Ion:	75	Resp:	7762
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.7	38.5
110	35.5	29.0	43.4



#61
Isopropylbenzene
Concen: 1.853 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:	105	Resp:	13751
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.7	31.1
77	15.5	12.5	18.7

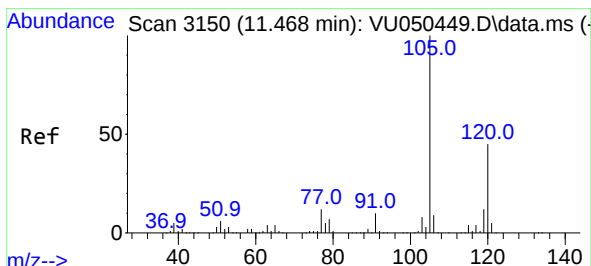
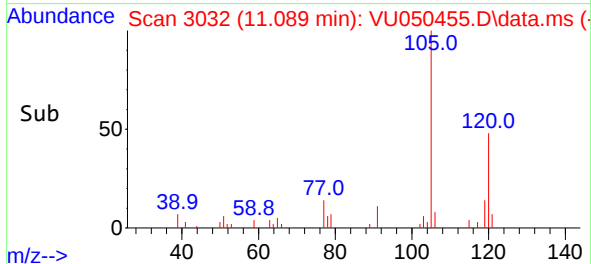
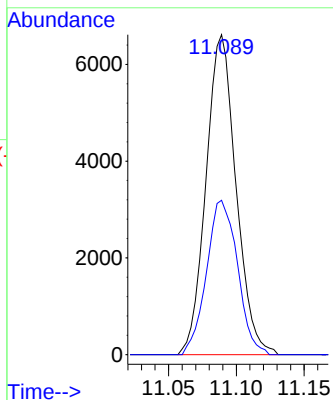
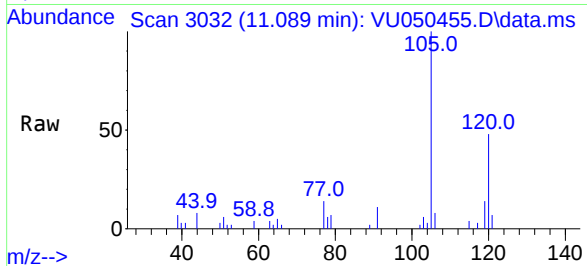




#62
1,3,5-Trimethylbenzene
Concen: 1.700 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

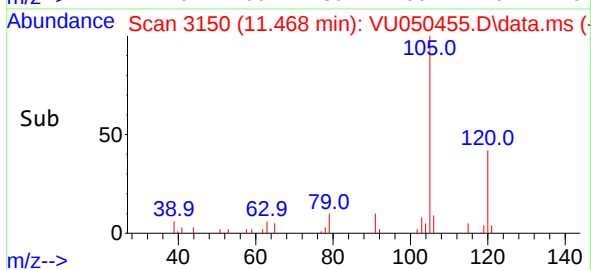
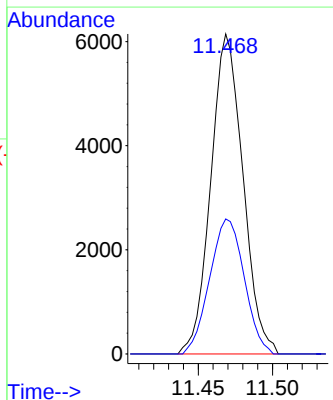
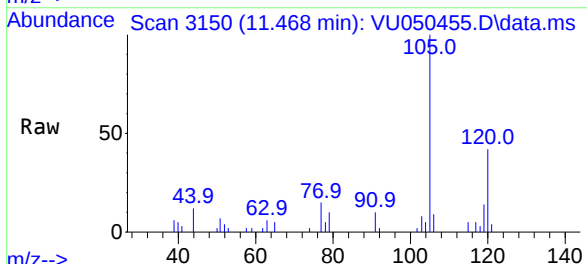
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

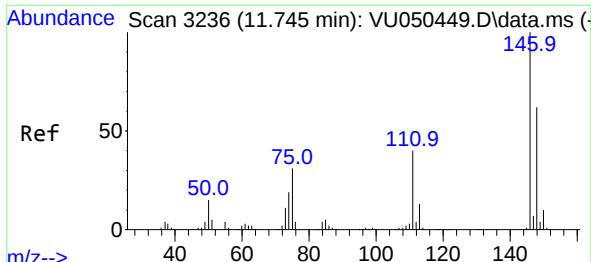
Tgt Ion:105 Resp: 10188
Ion Ratio Lower Upper
105 100
120 49.8 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 1.583 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:105 Resp: 9253
Ion Ratio Lower Upper
105 100
120 45.3 35.3 52.9

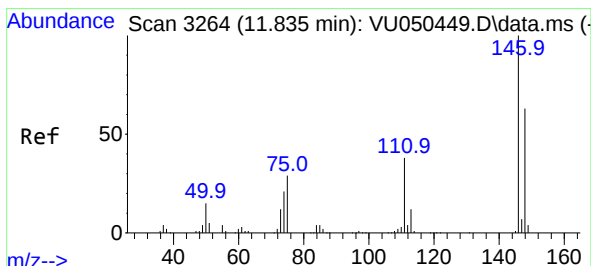
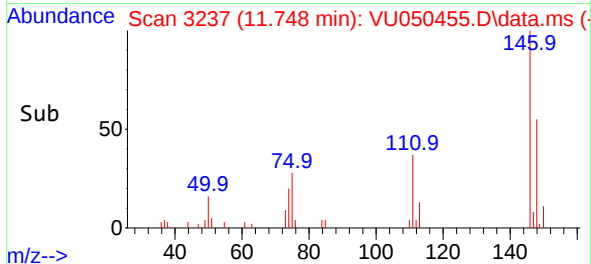
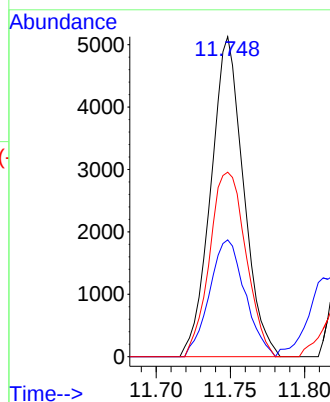
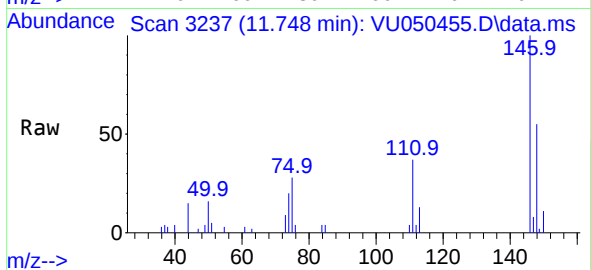




#64
1,3-Dichlorobenzene
Concen: 2.158 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

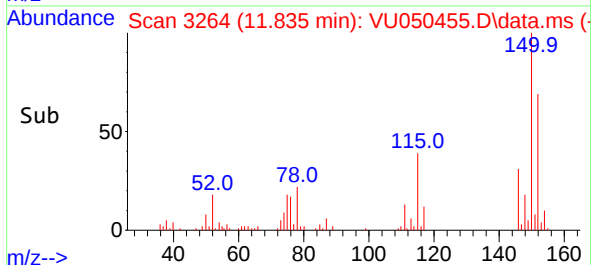
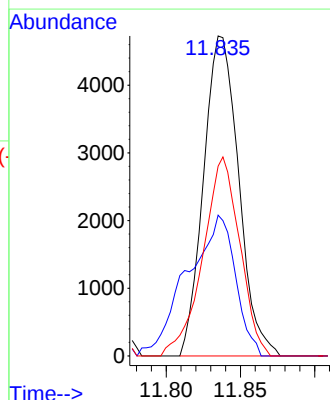
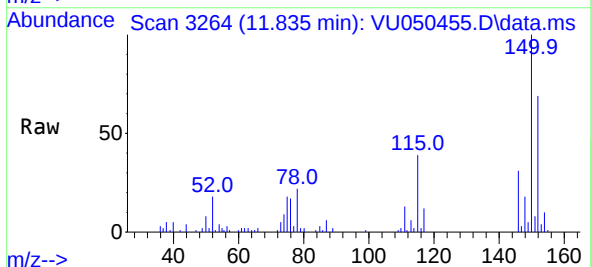
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

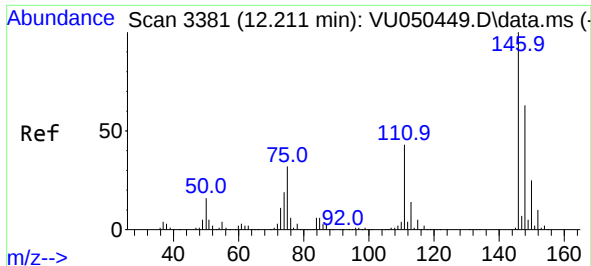
Tgt Ion:146	Resp:	7829
Ion	Ratio	Lower Upper
146	100	
111	36.5	28.1 52.1
148	57.6	44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 2.130 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:146	Resp:	7784
Ion	Ratio	Lower Upper
146	100	
111	40.5	27.6 51.2
148	54.5	44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.402 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

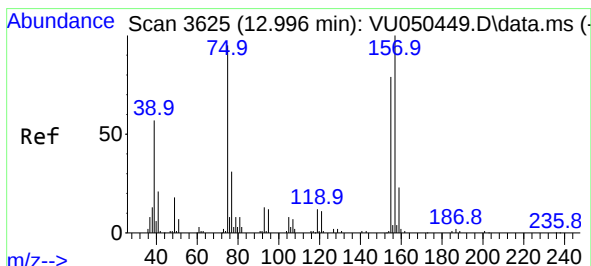
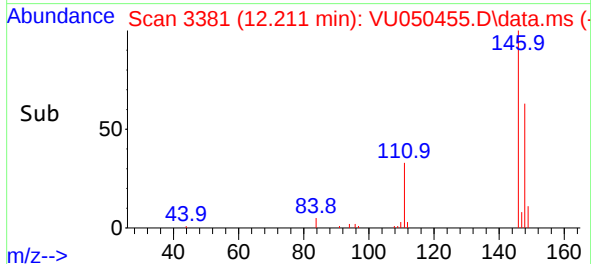
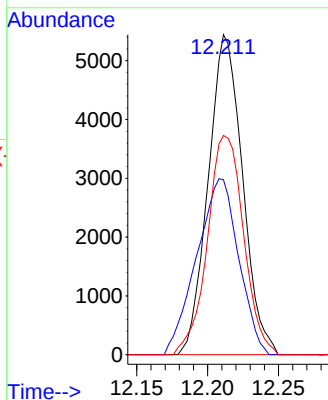
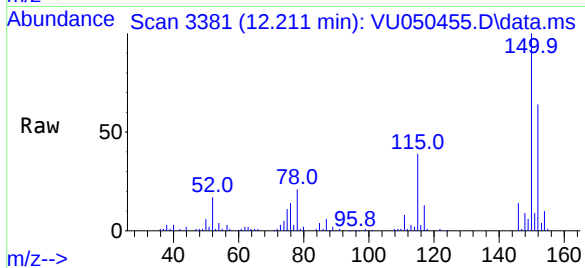
Tgt Ion:146 Resp: 9167

Ion Ratio Lower Upper

146 100

111 60.6 34.1 51.1#

148 68.5 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 2.424 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

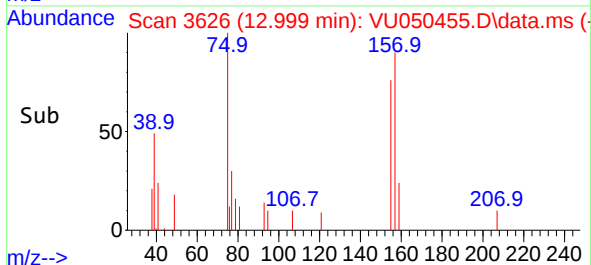
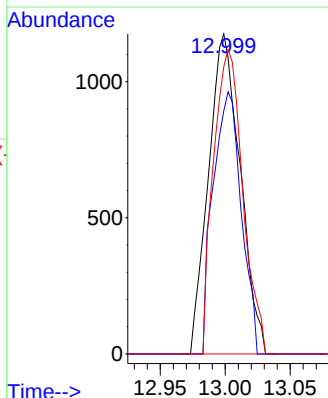
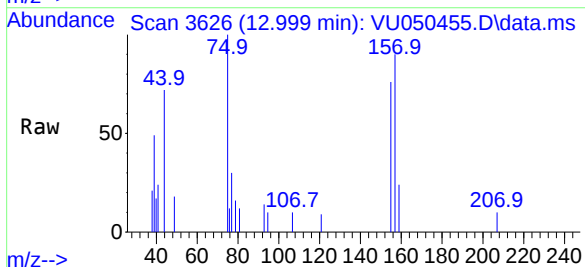
Tgt Ion: 75 Resp: 1992

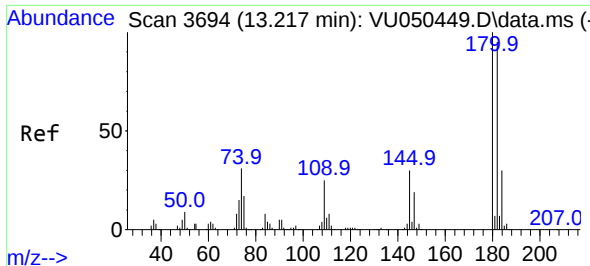
Ion Ratio Lower Upper

75 100

155 67.8 63.1 94.7

157 80.0 84.2 126.2#

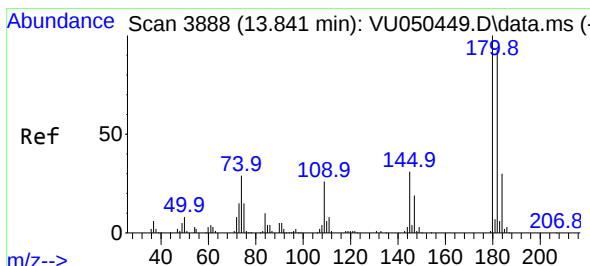
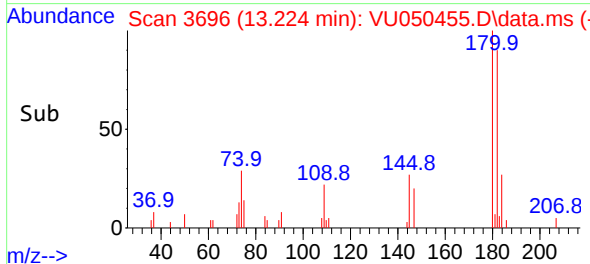
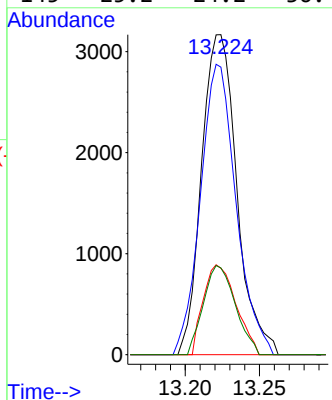
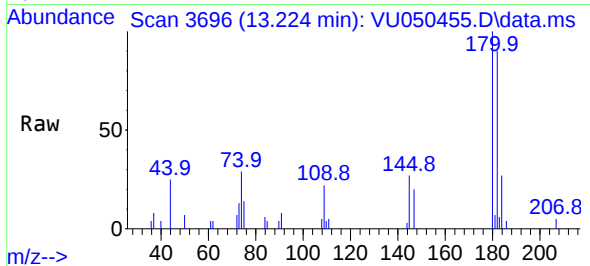




#69
 1,3,5-Trichlorobenzene
 Concen: 2.093 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.007 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

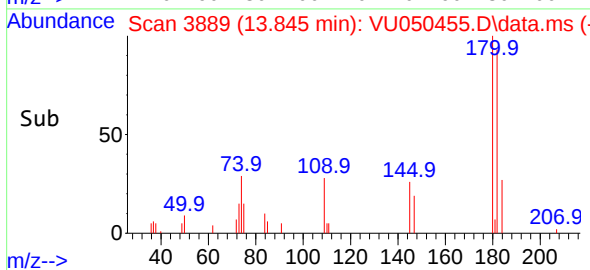
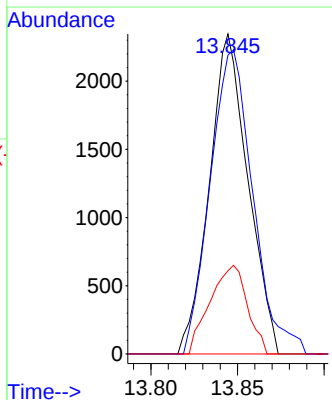
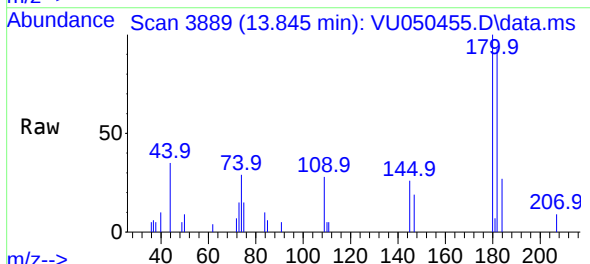
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

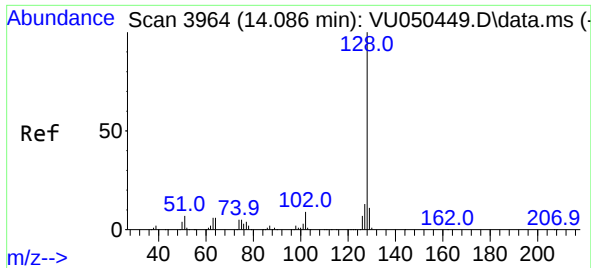
Tgt Ion:180	Resp:	5235
Ion Ratio	Lower	Upper
180	100	
182	91.7	77.0 115.6
184	26.0	24.1 36.1
145	25.2	24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 1.817 ug/L
 RT: 13.845 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

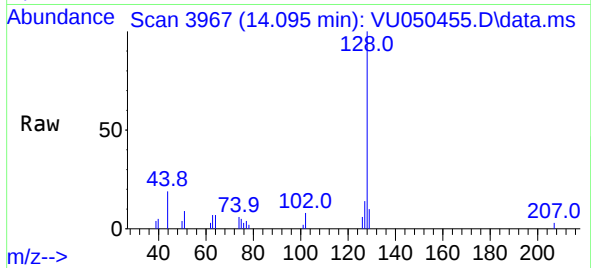
Tgt Ion:180	Resp:	3640
Ion Ratio	Lower	Upper
180	100	
182	104.8	75.4 113.2
145	26.8	23.9 35.9





#71
Naphthalene
Concen: 1.715 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05



Tgt Ion:128 Resp: 11272
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 8.2 8.8 13.2#

