

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040723\
 Data File : U053596.D
 Acq On : 07 Apr 2023 12:18
 Operator : JC/MD
 Sample : 02215-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 08 00:01:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	251847	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233624	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120758	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	95512	48.705	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.400%		
7) Chloroethane-d5	1.909	69	78225	51.736	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.480%		
11) 1,1-Dichloroethene-d2	2.565	63	112025	36.904	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.800%		
21) 2-Butanone-d5	4.613	46	107775	121.386	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	121.390%		
24) Chloroform-d	5.057	84	153782	47.417	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.840%		
26) 1,2-Dichloroethane-d4	5.697	65	99261	51.795	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.600%		
32) Benzene-d6	5.722	84	323703	51.331	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.660%		
36) 1,2-Dichloropropane-d6	6.684	67	98821	51.269	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.540%		
41) Toluene-d8	7.893	98	296121	47.245	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.500%		
43) trans-1,3-Dichloroprop...	8.176	79	48603	48.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.700%		
47) 2-Hexanone-d5	8.626	63	78110	118.738	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	118.740%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	143372	52.774	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.540%		
66) 1,2-Dichlorobenzene-d4	12.188	152	116764	46.323	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	5241	2.564	ug/L	97
3) Chloromethane	1.520	50	5389	3.208	ug/L	97
5) Vinyl chloride	1.604	62	6552	3.366	ug/L #	64
6) Bromomethane	1.854	94	3890	2.746	ug/L	97
8) Chloroethane	1.932	64	3913	3.342	ug/L	99
9) Trichlorofluoromethane	2.137	101	8516	2.844	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	5494	3.168	ug/L #	62
12) 1,1-Dichloroethene	2.578	96	5375	3.478	ug/L #	1
13) Acetone	2.620	43	5238	6.564	ug/L	97
14) Carbon disulfide	2.790	76	11297	2.764	ug/L	95
15) Methyl Acetate	2.948	43	3780	3.093	ug/L #	75
17) trans-1,2-Dichloroethene	3.353	96	4054	2.610	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	13509	2.984	ug/L #	75
19) 1,1-Dichloroethane	3.867	63	7585	2.948	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	5310	2.960	ug/L	98
22) 2-Butanone	4.706	43	5828	6.029	ug/L	98
23) Bromochloromethane	4.964	128	959	0.960	ug/L #	87
25) Chloroform	5.083	83	10523	3.566	ug/L	98
27) 1,2-Dichloroethane	5.790	62	6960	3.221	ug/L	97

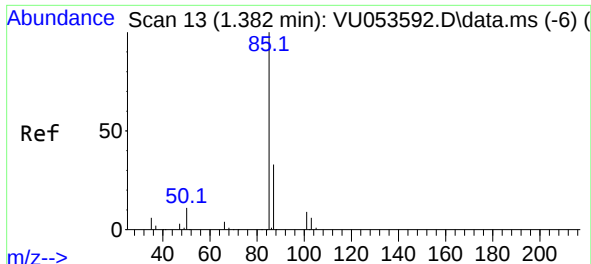
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 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.382	56	6116	2.719	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	7556	2.935	ug/L #	89
31) Carbon tetrachloride	5.523	117	5722	2.481	ug/L	95
33) Benzene	5.767	78	17911	2.943	ug/L	100
34) Trichloroethene	6.539	95	5108	2.775	ug/L	87
35) Methylcyclohexane	6.758	83	7632	2.820	ug/L	91
37) 1,2-Dichloropropane	6.790	63	4929	3.189	ug/L #	91
38) Bromodichloromethane	7.105	83	6355	3.082	ug/L #	97
39) cis-1,3-Dichloropropene	7.603	75	7508	2.973	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	11046	6.577	ug/L	97
42) Toluene	7.970	91	19659	2.850	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	7661	3.209	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	5140	3.029	ug/L	92
46) Tetrachloroethene	8.549	164	3628	2.375	ug/L	90
48) 2-Hexanone	8.680	43	11891	8.752	ug/L	97
49) Dibromochloromethane	8.806	129	4374	2.479	ug/L	88
50) 1,2-Dibromoethane	8.922	107	5275	2.779	ug/L	95
51) Chlorobenzene	9.442	112	12916	2.718	ug/L	92
52) Ethylbenzene	9.568	91	21737	2.831	ug/L	100
53) m,p-Xylene	9.690	106	7398	2.463	ug/L	91
54) o-Xylene	10.098	106	7602	2.560	ug/L	97
55) Styrene	10.111	104	12099	2.502	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	8141	3.268	ug/L	93
59) Bromoform	10.288	173	3057	2.473	ug/L #	95
60) 1,2,3-Trichloropropane	10.822	75	6170	3.524	ug/L	98
61) Isopropylbenzene	10.481	105	19910	2.789	ug/L	96
62) 1,3,5-Trimethylbenzene	11.082	105	15420	2.598	ug/L	93
63) 1,2,4-Trimethylbenzene	11.465	105	15104	2.569	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	10314	2.765	ug/L	100
65) 1,4-Dichlorobenzene	11.831	146	11206	2.947	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	10830	2.913	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.992	75	1239	2.654	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	6690	2.422	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	6976	2.724	ug/L	96
71) Naphthalene	14.089	128	21382	2.789	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	6321	2.471	ug/L	98

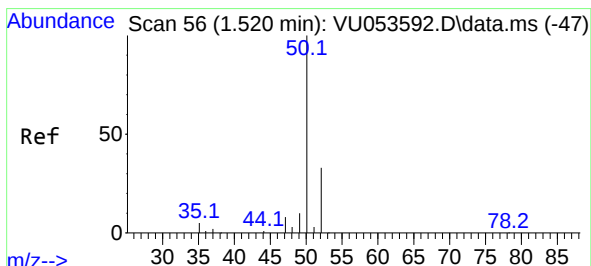
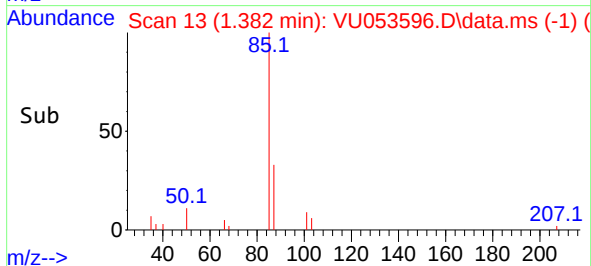
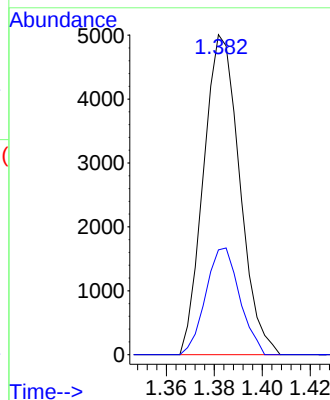
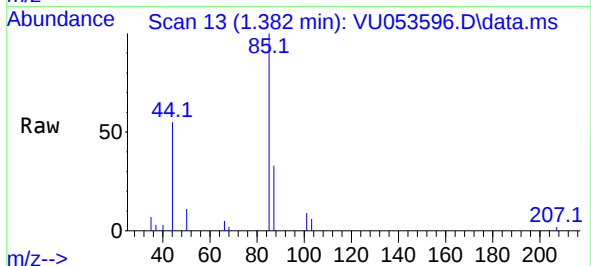
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 2.564 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053596.D
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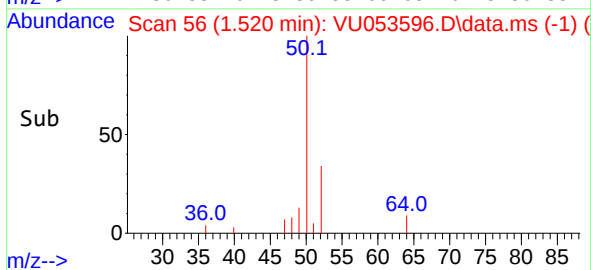
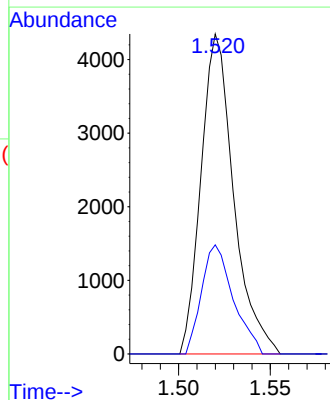
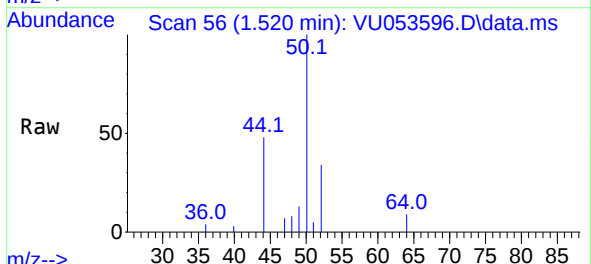
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

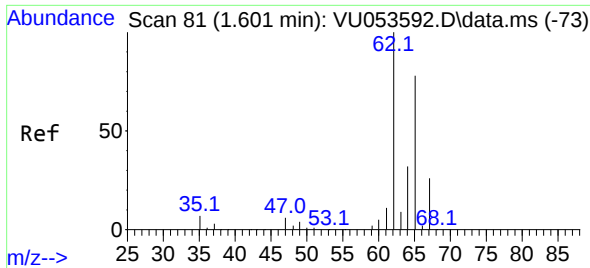
Tgt Ion: 85 Resp: 5241
Ion Ratio Lower Upper
85 100
87 31.3 26.4 39.6



#3
Chloromethane
Concen: 3.208 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 50 Resp: 5389
Ion Ratio Lower Upper
50 100
52 34.1 22.7 42.1

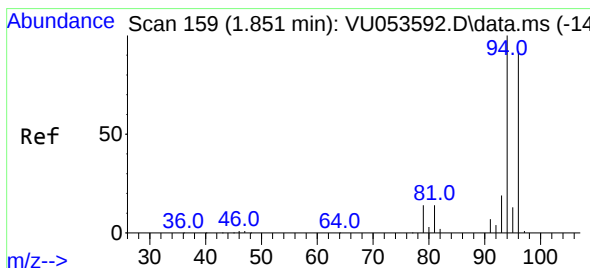
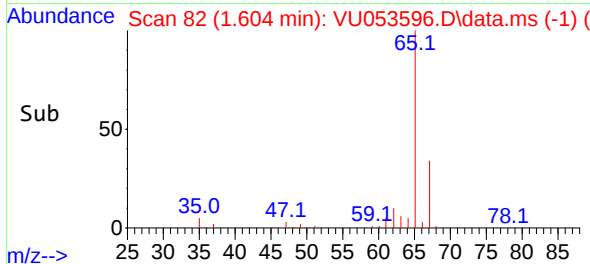
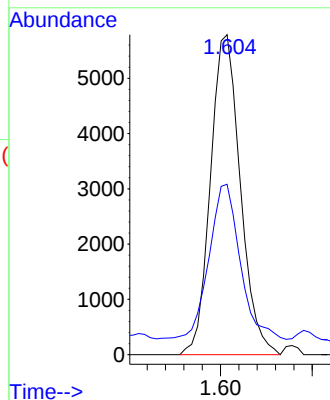
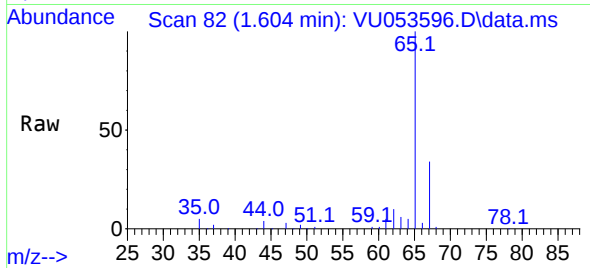




#5
 Vinyl chloride
 Concen: 3.366 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053596.D
 Acq: 07 Apr 2023 12:18

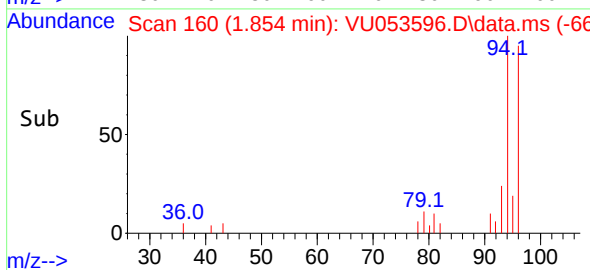
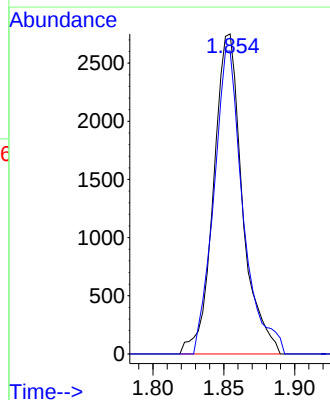
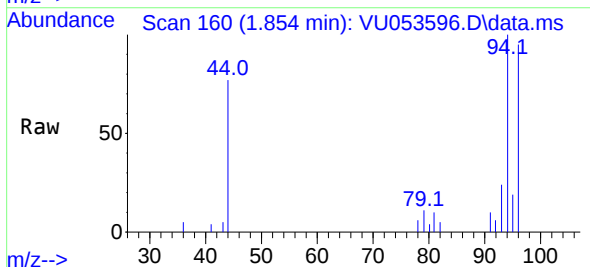
Instrument : MSVOA_U
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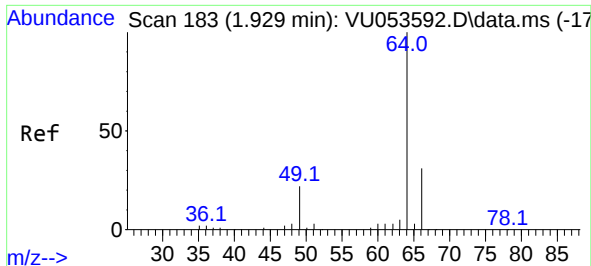
Tgt Ion: 62 Resp: 6552
 Ion Ratio Lower Upper
 62 100
 64 53.3 23.2 43.0#



#6
 Bromomethane
 Concen: 2.746 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053596.D
 Acq: 07 Apr 2023 12:18

Tgt Ion: 94 Resp: 3890
 Ion Ratio Lower Upper
 94 100
 96 94.7 64.4 119.6

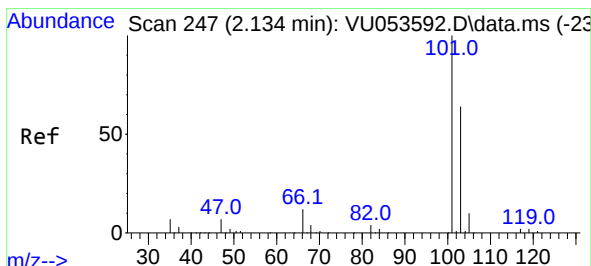
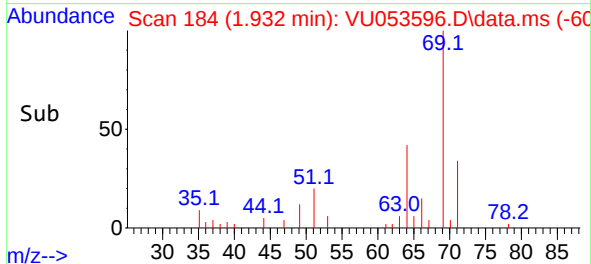
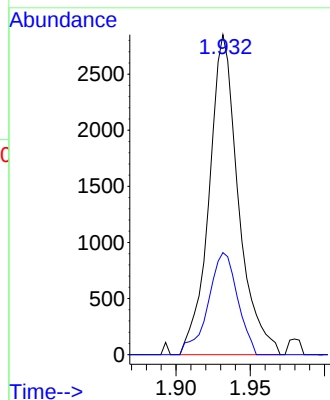
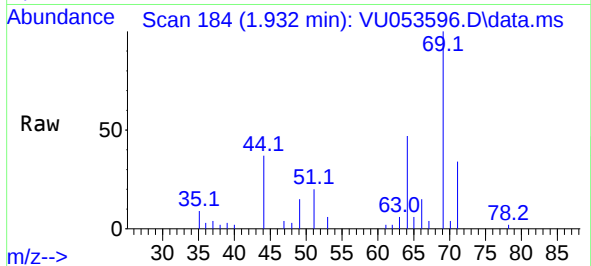




#8
Chloroethane
Concen: 3.342 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

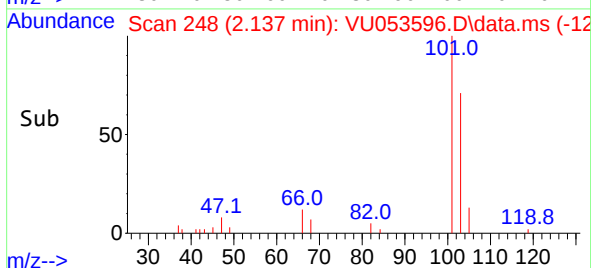
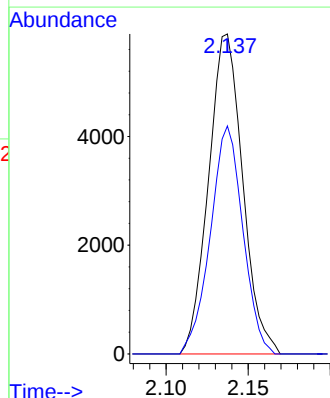
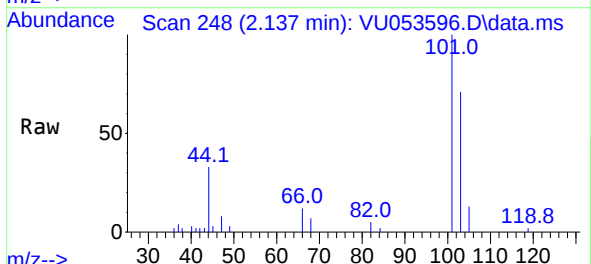
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ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

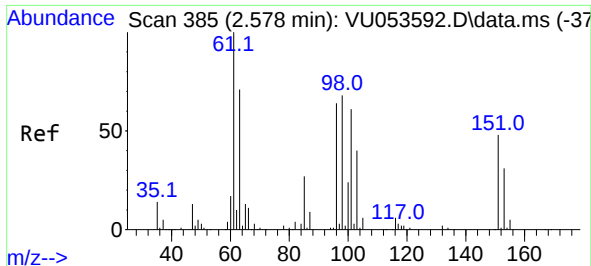
Tgt Ion: 64 Resp: 3913
Ion Ratio Lower Upper
64 100
66 31.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 2.844 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 101 Resp: 8516
Ion Ratio Lower Upper
101 100
103 67.7 52.5 78.7

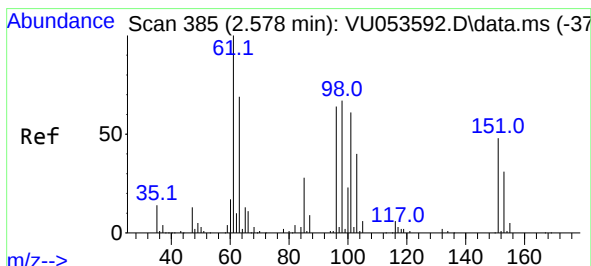
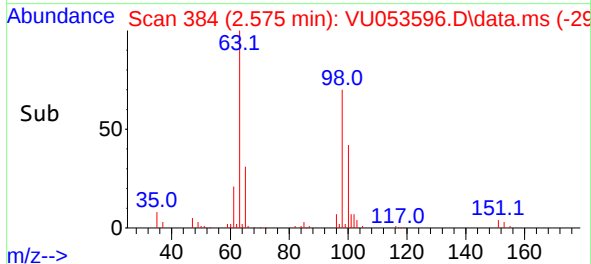
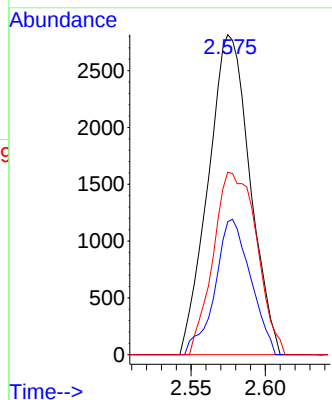
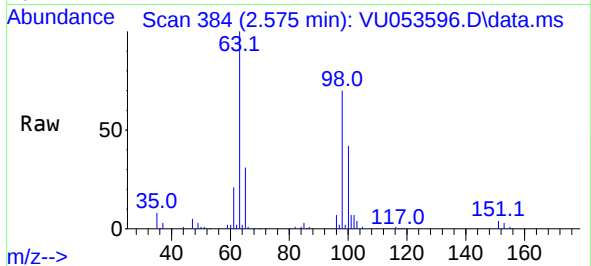




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.168 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

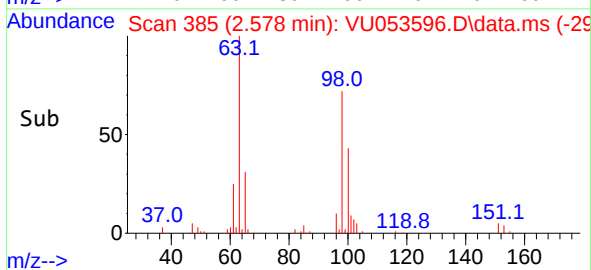
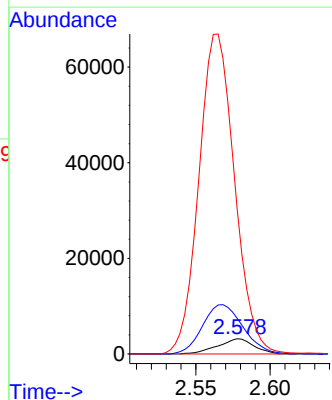
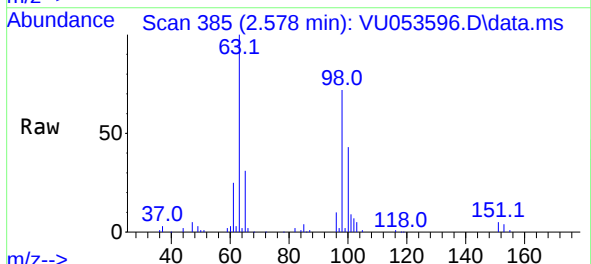
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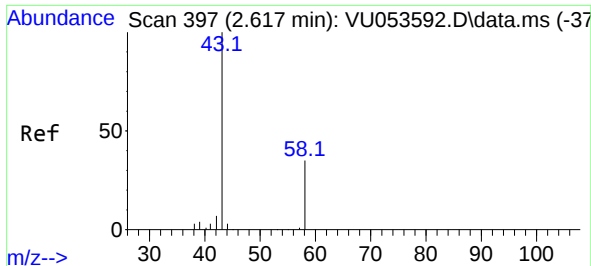
Tgt Ion:101 Resp: 5494
Ion Ratio Lower Upper
101 100
85 36.3 32.6 48.8
151 34.2 65.8 98.6#



#12
1,1-Dichloroethene
Concen: 3.478 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 96 Resp: 5375
Ion Ratio Lower Upper
96 100
61 234.6 107.9 200.5#
63 952.7 79.1 146.9#





#13

Acetone

Concen: 6.564 ug/L

RT: 2.620 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU053596.D

Acq: 07 Apr 2023 12:18

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MSVOA_U

ClientSampleId :

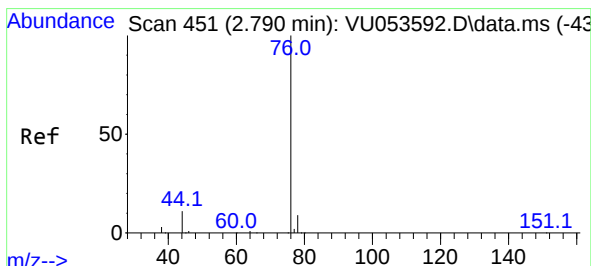
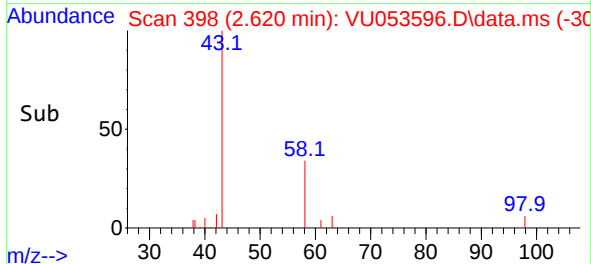
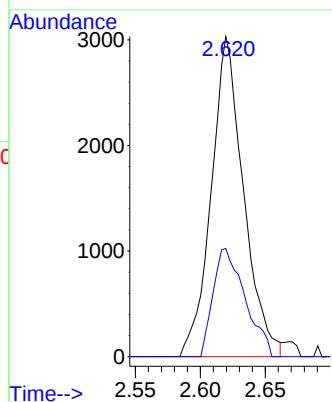
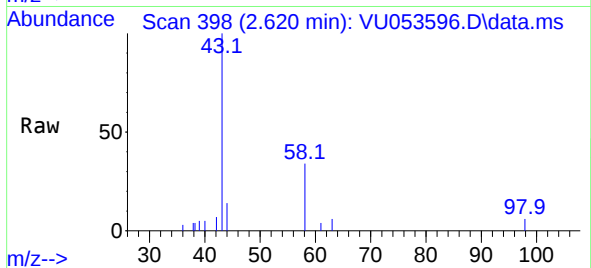
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 5238

Ion Ratio Lower Upper

43 100

58 33.4 0.0 70.2



#14

Carbon disulfide

Concen: 2.764 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053596.D

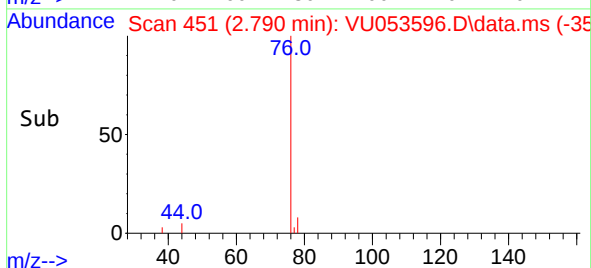
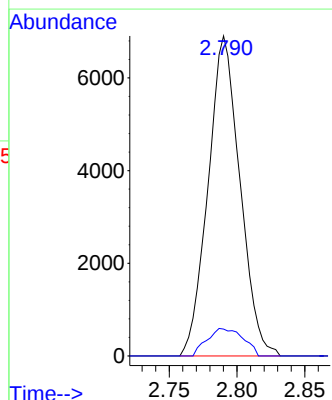
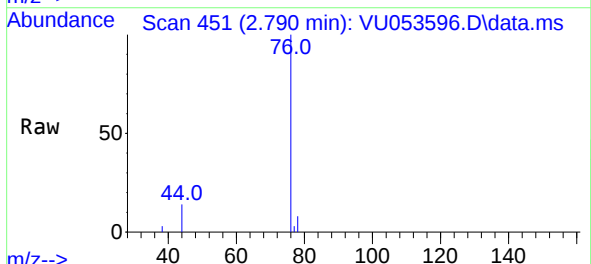
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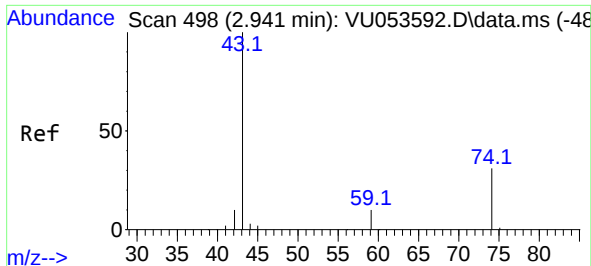
Tgt Ion: 76 Resp: 11297

Ion Ratio Lower Upper

76 100

78 8.4 8.2 12.2

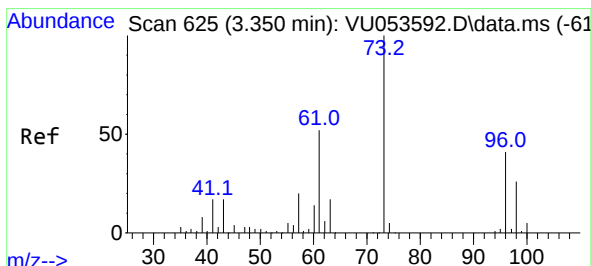
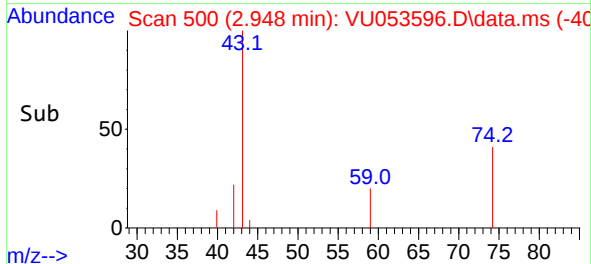
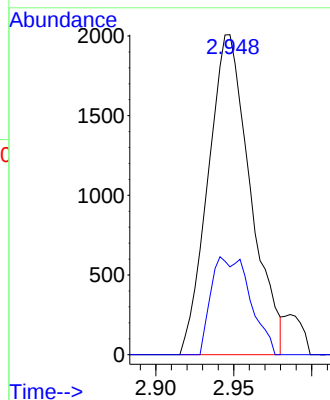
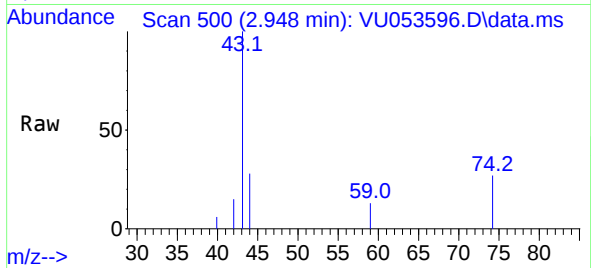




#15
Methyl Acetate
Concen: 3.093 ug/L
RT: 2.948 min Scan# 50
Delta R.T. 0.006 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

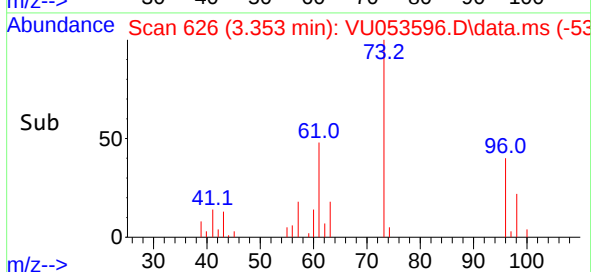
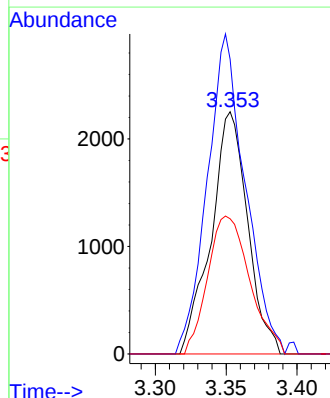
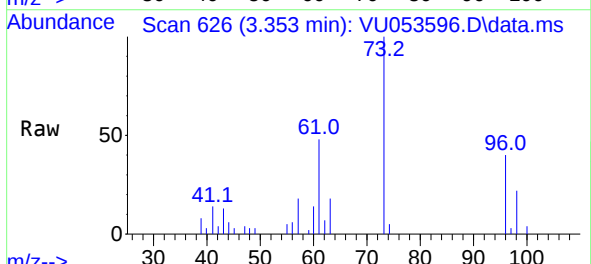
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

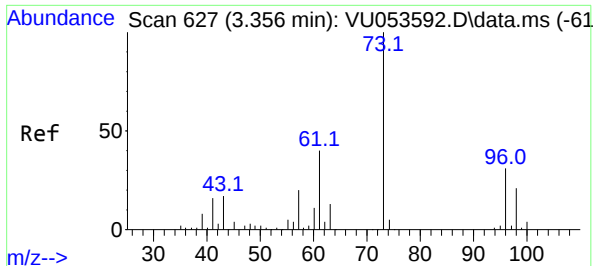
Tgt Ion: 43 Resp: 3780
Ion Ratio Lower Upper
43 100
74 14.5 22.0 33.0#



#17
trans-1,2-Dichloroethene
Concen: 2.610 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

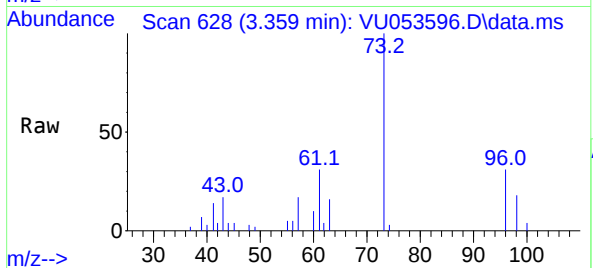
Tgt Ion: 96 Resp: 4054
Ion Ratio Lower Upper
96 100
61 121.7 84.4 156.8
98 55.8 46.0 85.4



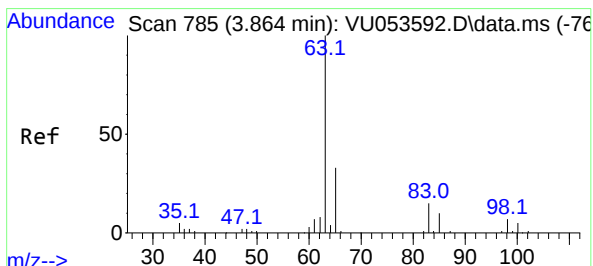
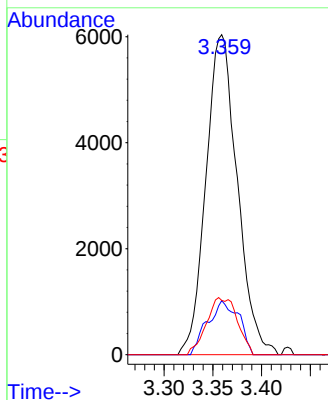
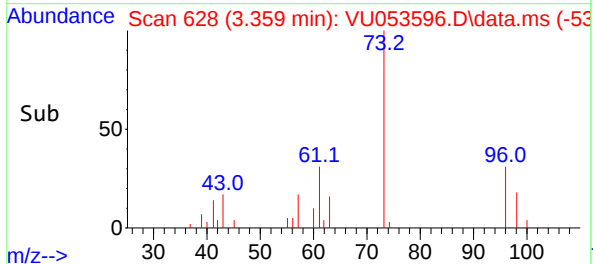


#18
Methyl tert-butyl Ether
Concen: 2.984 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

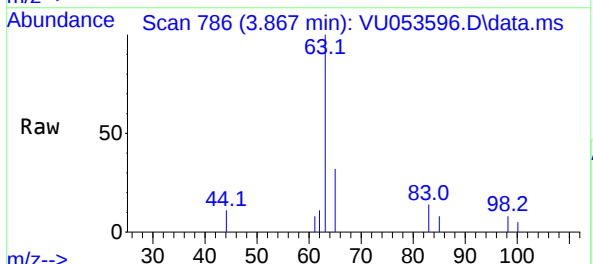
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



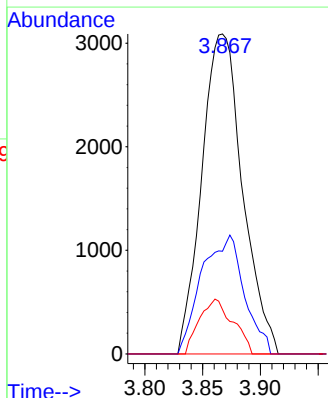
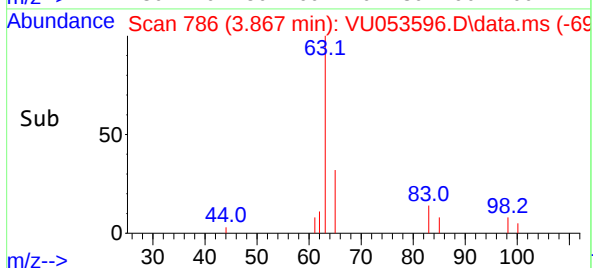
Tgt Ion: 73 Resp: 13509
Ion Ratio Lower Upper
73 100
43 4.2 13.8 20.8#
57 10.7 15.9 23.9#

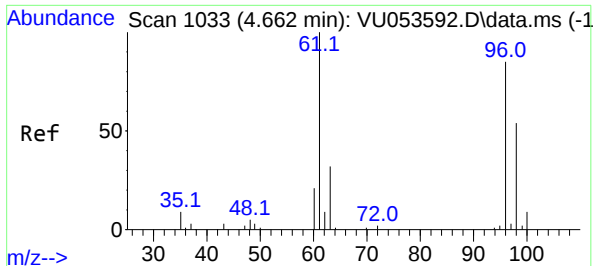


#19
1,1-Dichloroethane
Concen: 2.948 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18



Tgt Ion: 63 Resp: 7585
Ion Ratio Lower Upper
63 100
65 32.1 22.0 41.0
83 13.8 10.8 20.0

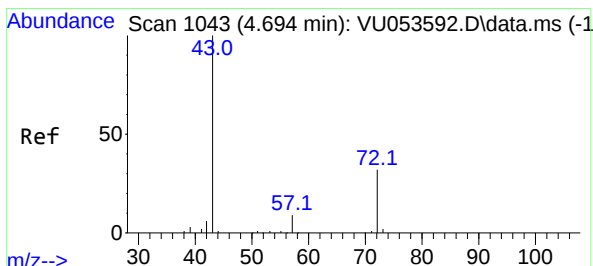
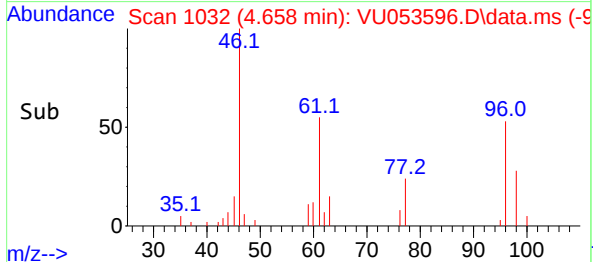
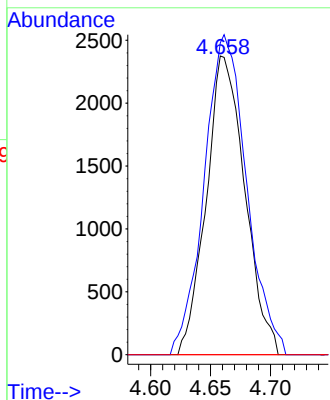
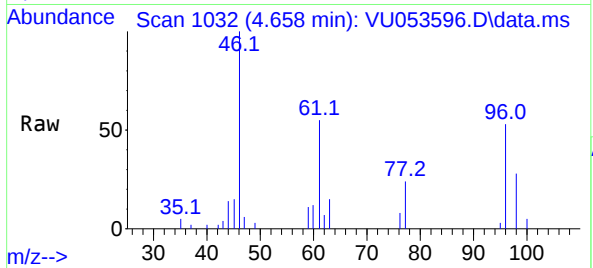




#20
 cis-1,2-Dichloroethene
 Concen: 2.960 ug/L
 RT: 4.658 min Scan# 1032
 Delta R.T. -0.003 min
 Lab File: VU053596.D
 Acq: 07 Apr 2023 12:18

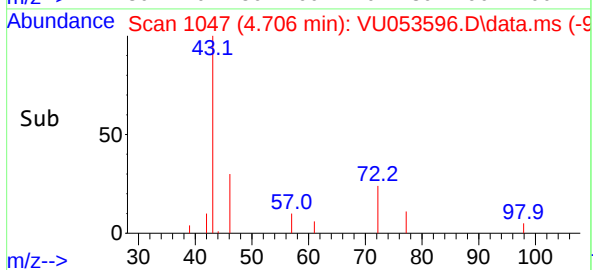
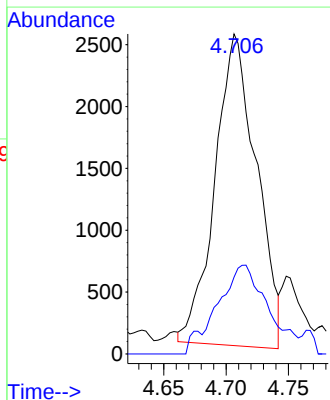
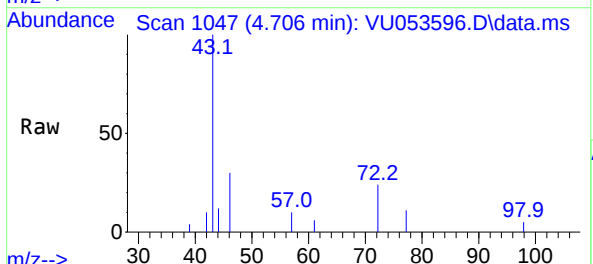
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT2-2023-04

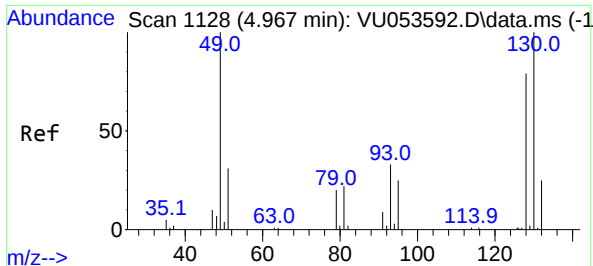
Tgt Ion: 96	Resp: 5310		
Ion Ratio	Lower	Upper	
96	100		
61	104.4	74.7	138.7
68	0.0	0.0	0.0



#22
 2-Butanone
 Concen: 6.029 ug/L
 RT: 4.706 min Scan# 1047
 Delta R.T. 0.013 min
 Lab File: VU053596.D
 Acq: 07 Apr 2023 12:18

Tgt Ion: 43	Resp: 5828		
Ion Ratio	Lower	Upper	
43 100			
72 30.3	15.8	47.3	



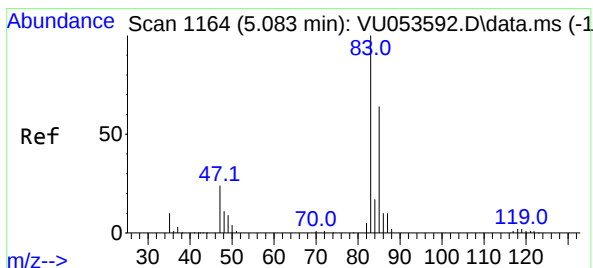
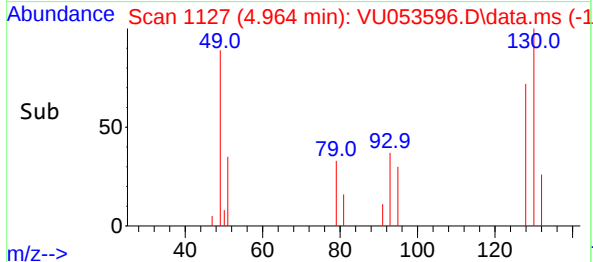
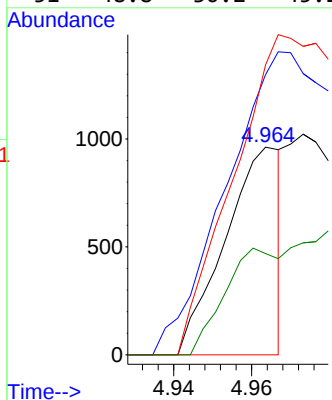
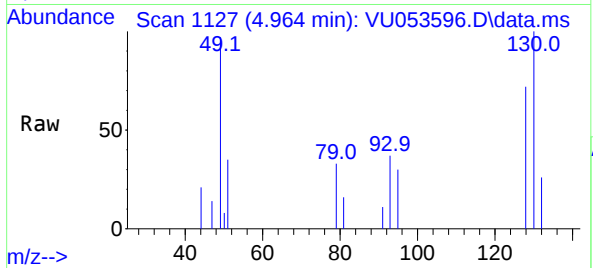


#23
Bromochloromethane
Concen: 0.960 ug/L
RT: 4.964 min Scan# 1128
Delta R.T. -0.007 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion:128 Resp: 959

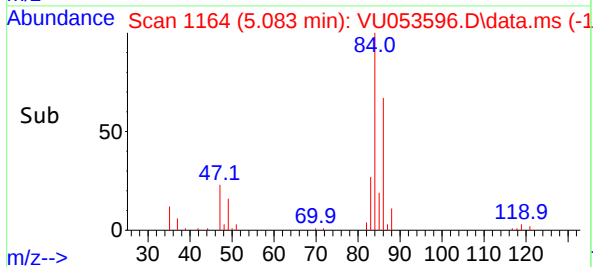
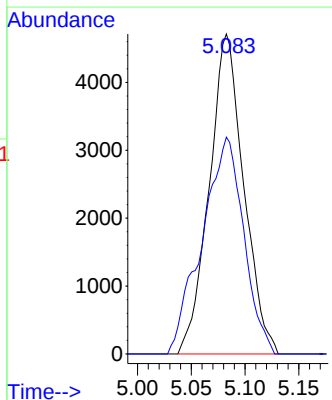
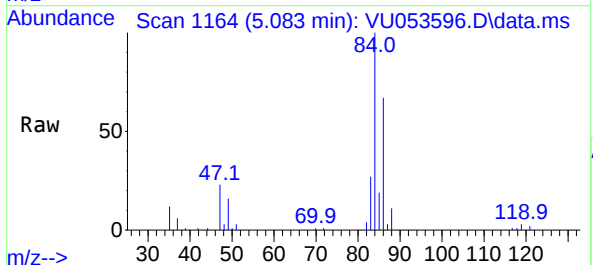
Ion	Ratio	Lower	Upper
128	100		
49	134.9	81.5	151.3
130	139.6	91.8	170.4
51	48.8	30.2	45.2

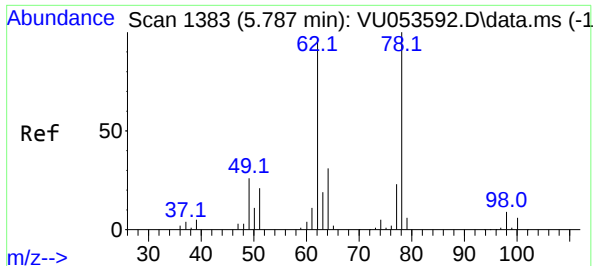


#25
Chloroform
Concen: 3.566 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 83 Resp: 10523

Ion	Ratio	Lower	Upper
83	100		
85	67.8	46.1	85.5

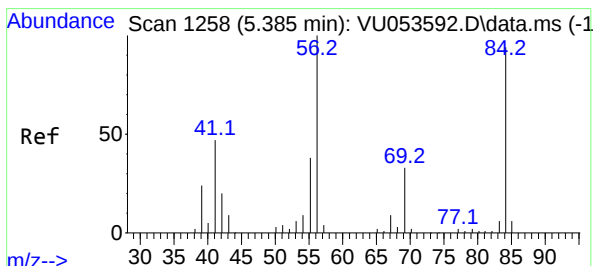
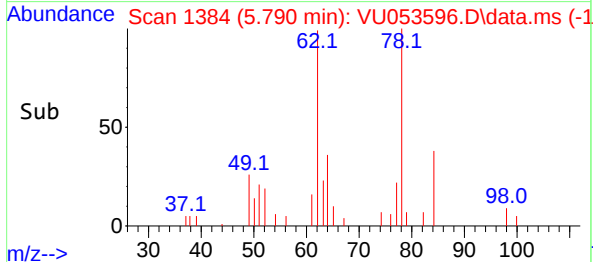
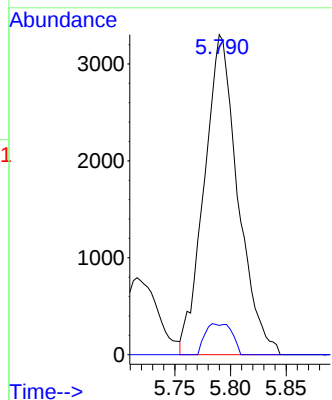
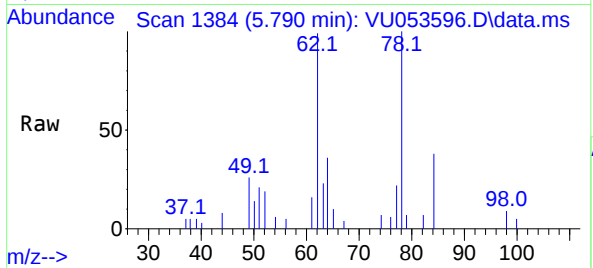




#27
1,2-Dichloroethane
Concen: 3.221 ug/L
RT: 5.790 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

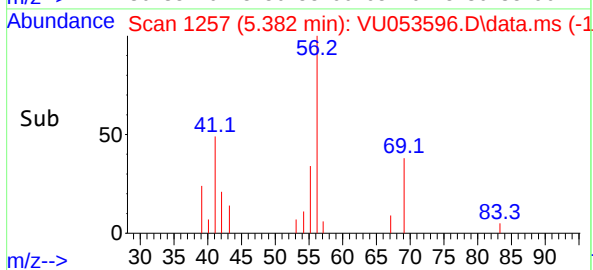
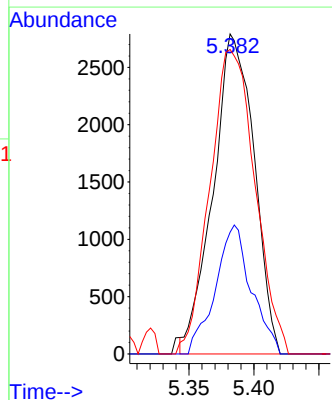
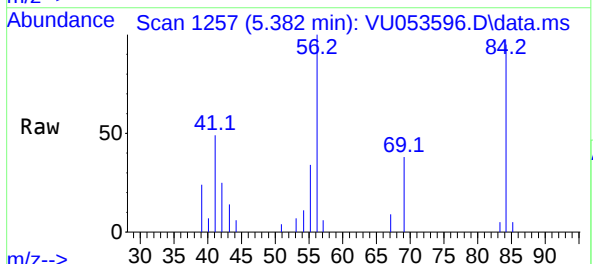
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

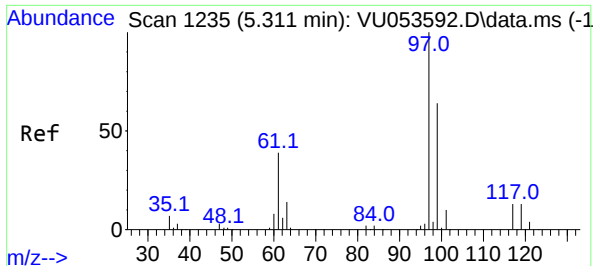
Tgt Ion: 62 Resp: 6960
Ion Ratio Lower Upper
62 100
98 9.1 8.3 12.5



#29
Cyclohexane
Concen: 2.719 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 56 Resp: 6116
Ion Ratio Lower Upper
56 100
69 35.4 27.3 40.9
84 104.6 81.3 121.9

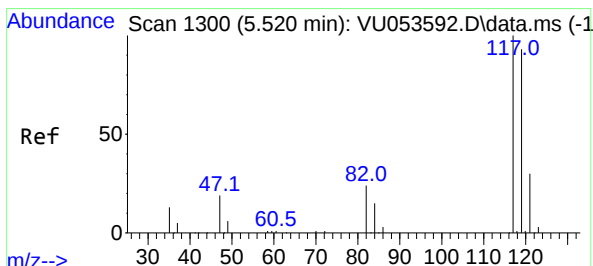
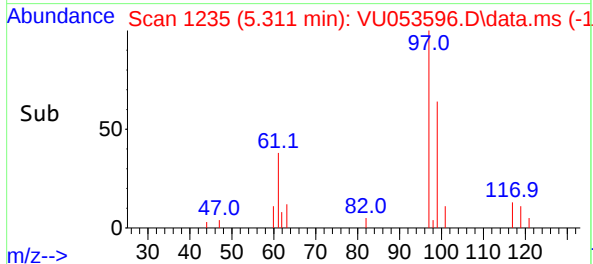
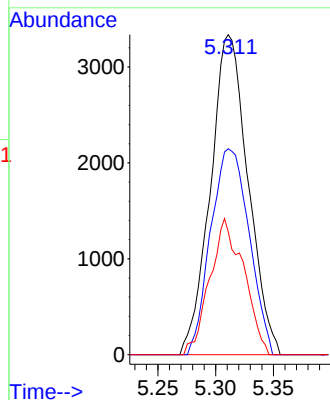
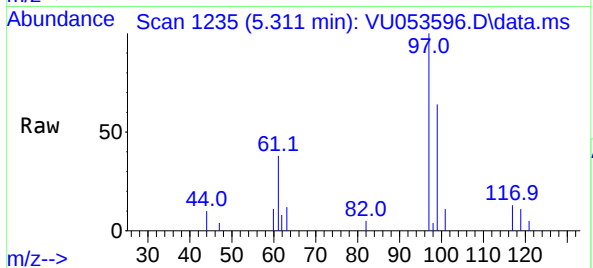




#30
1,1,1-Trichloroethane
Concen: 2.935 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

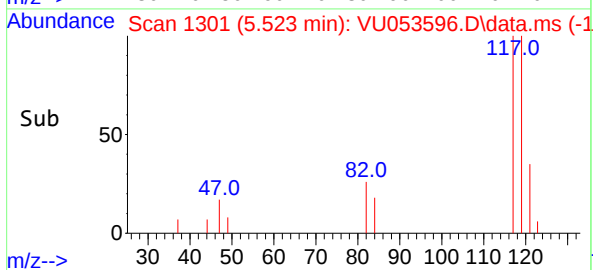
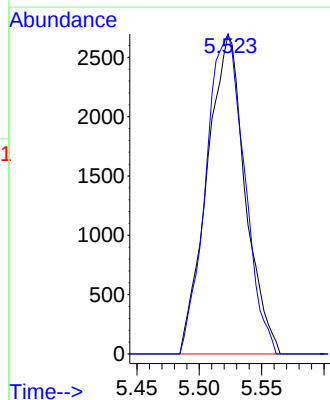
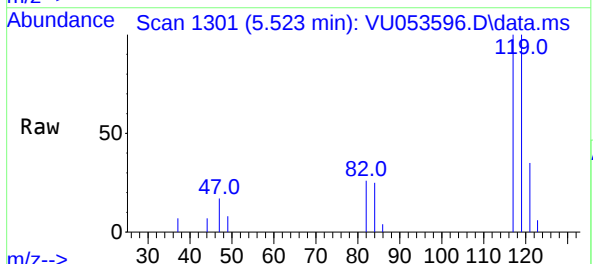
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

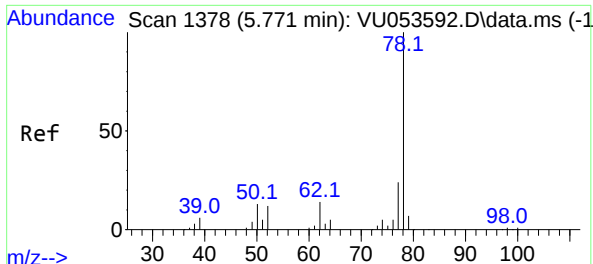
Tgt Ion:	97	Resp:	7556
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.6	77.4
61	22.8	31.0	46.4#



#31
Carbon tetrachloride
Concen: 2.481 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:	117	Resp:	5722
Ion	Ratio	Lower	Upper
117	100		
119	101.2	76.9	115.3

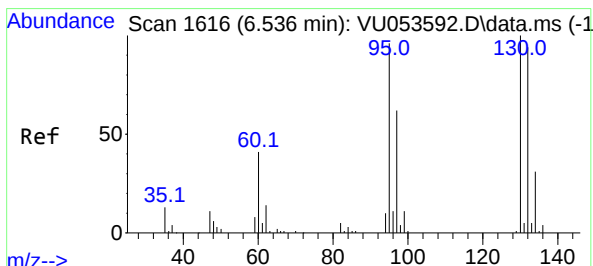
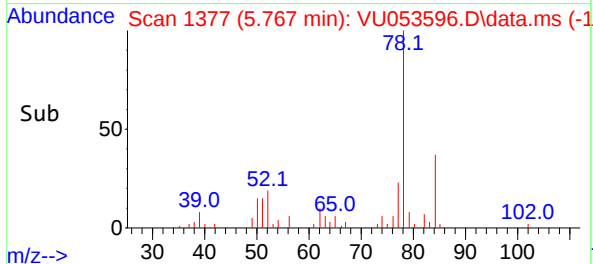
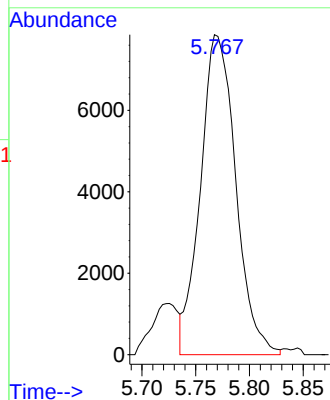
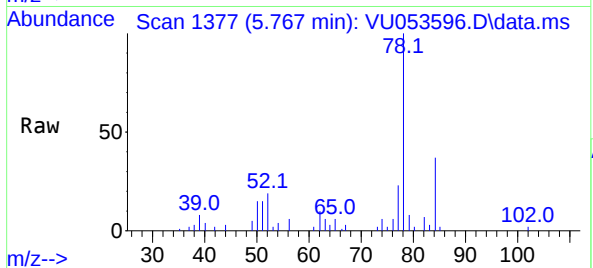




#33
Benzene
Concen: 2.943 ug/L
RT: 5.767 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 78 Resp: 17911

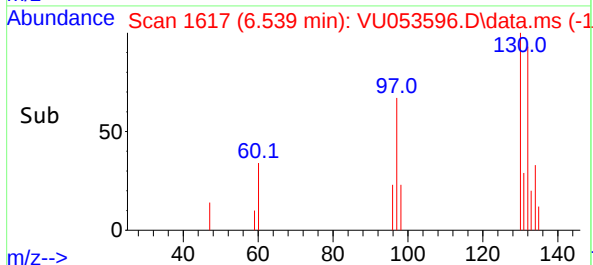
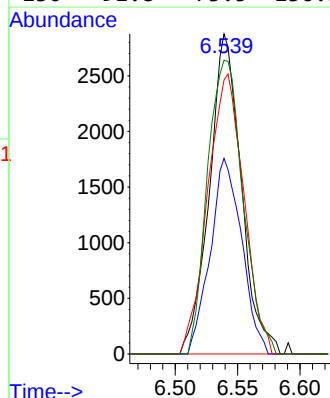
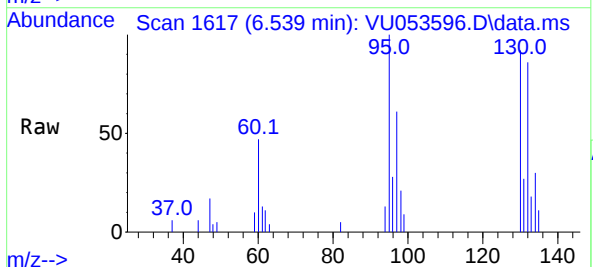
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

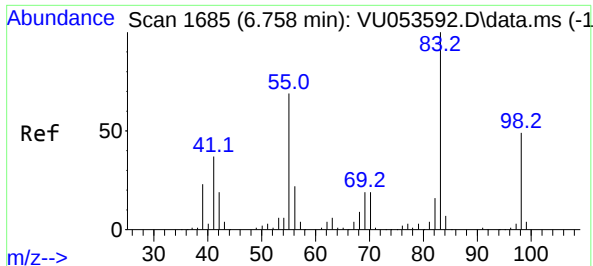


#34
Trichloroethene
Concen: 2.775 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 95 Resp: 5108

Ion	Ratio	Lower	Upper
95	100		
97	61.1	45.1	83.7
132	85.6	74.1	137.5
130	91.8	73.5	136.5





#35

Methylcyclohexane

Concen: 2.820 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053596.D

Acq: 07 Apr 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

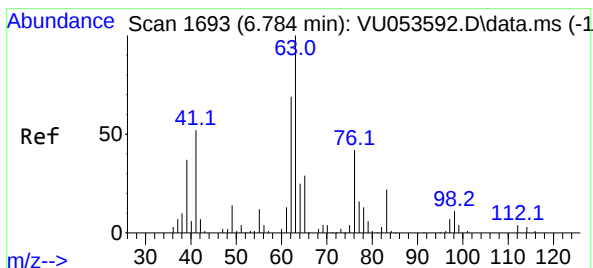
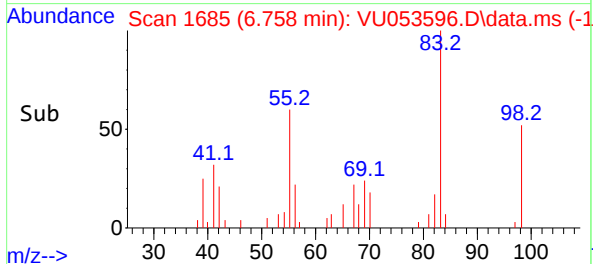
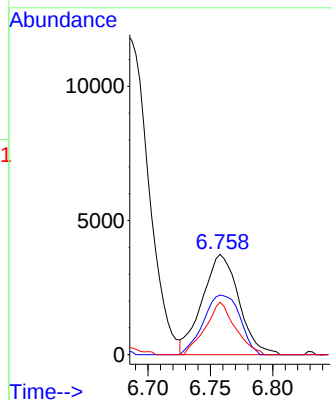
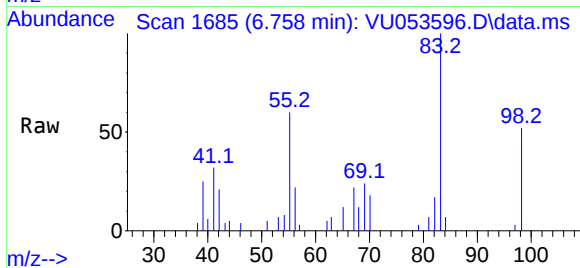
Tgt Ion: 83 Resp: 7632

Ion Ratio Lower Upper

83 100

55 59.2 53.0 79.6

98 42.6 39.0 58.6



#37

1,2-Dichloropropane

Concen: 3.189 ug/L

RT: 6.790 min Scan# 1695

Delta R.T. 0.006 min

Lab File: VU053596.D

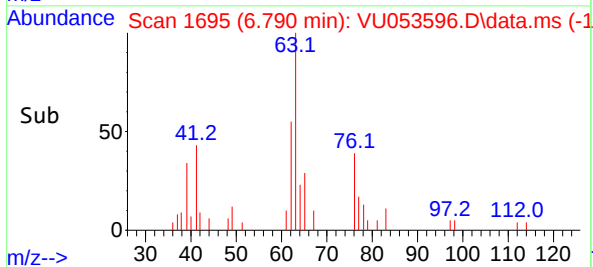
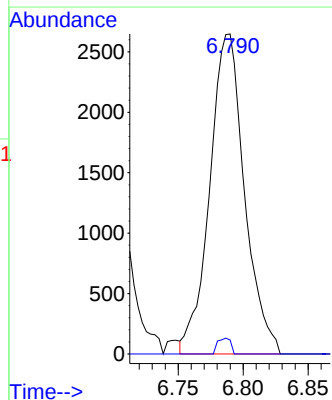
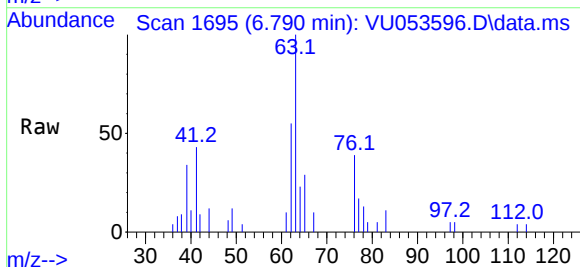
Acq: 07 Apr 2023 12:18

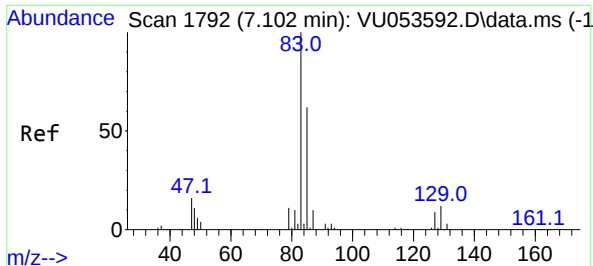
Tgt Ion: 63 Resp: 4929

Ion Ratio Lower Upper

63 100

112 1.8 3.8 5.6#

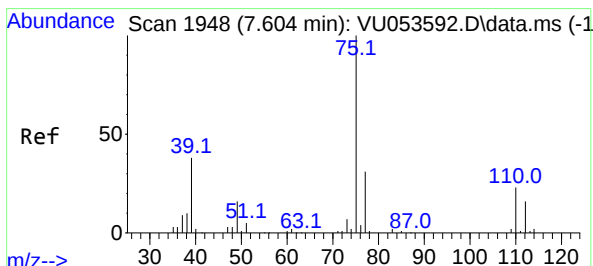
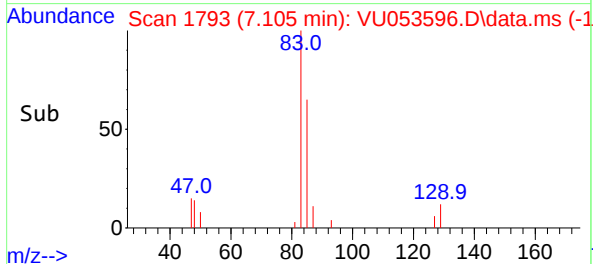
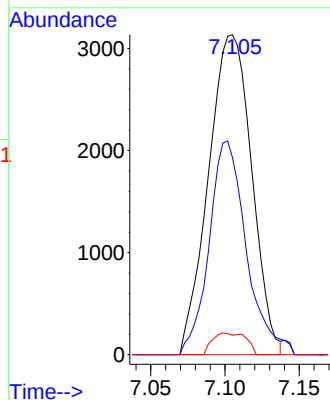
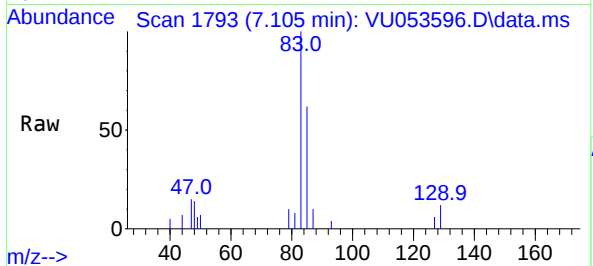




#38
Bromodichloromethane
Concen: 3.082 ug/L
RT: 7.105 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

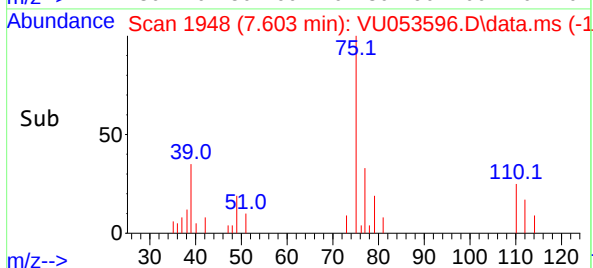
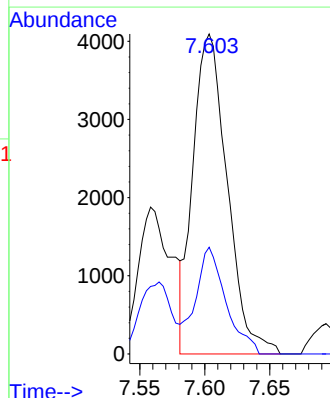
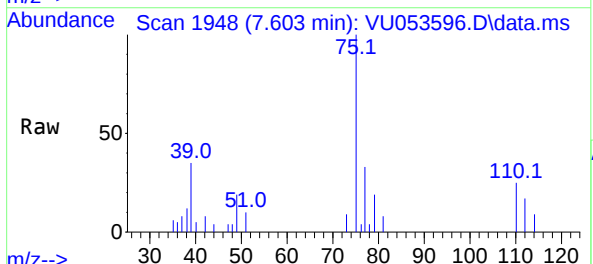
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

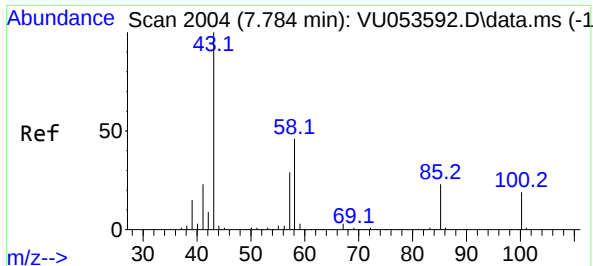
Tgt Ion: 83 Resp: 6355
Ion Ratio Lower Upper
83 100
85 61.7 44.4 82.5
127 6.0 8.0 12.0#



#39
cis-1,3-Dichloropropene
Concen: 2.973 ug/L
RT: 7.603 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 75 Resp: 7508
Ion Ratio Lower Upper
75 100
77 33.3 22.5 41.7





#40

4-Methyl-2-pentanone

Concen: 6.577 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053596.D

Acq: 07 Apr 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

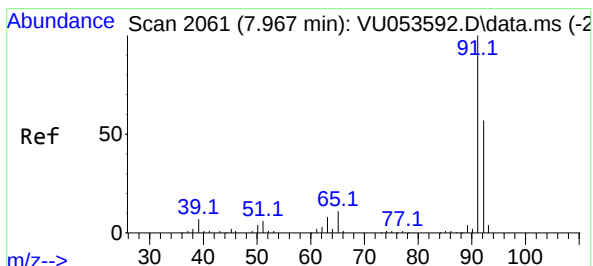
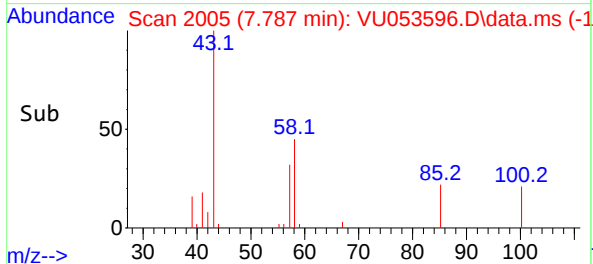
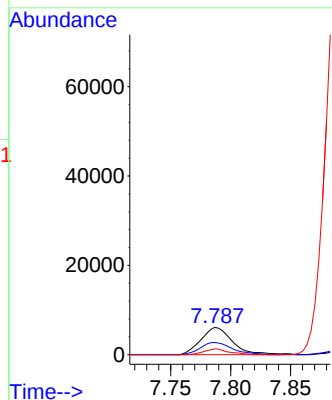
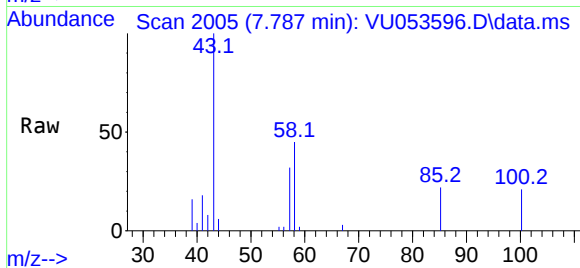
Tgt Ion: 43 Resp: 11046

Ion Ratio Lower Upper

43 100

58 45.5 35.5 53.3

100 16.7 15.8 23.8



#42

Toluene

Concen: 2.850 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.006 min

Lab File: VU053596.D

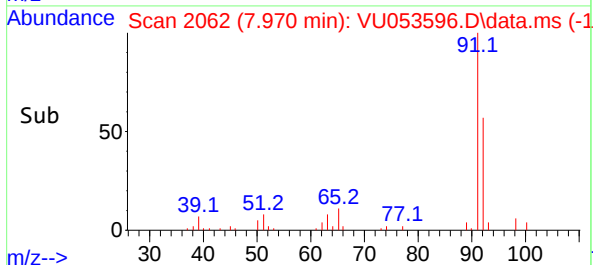
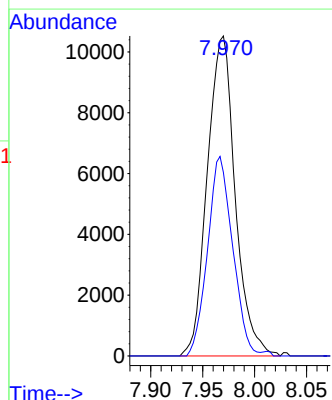
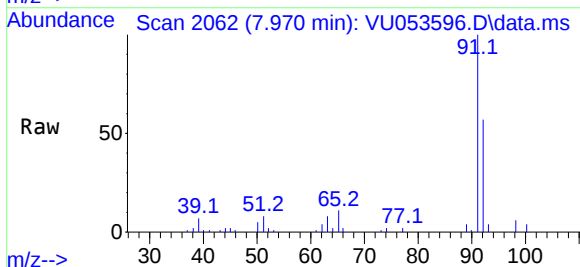
Acq: 07 Apr 2023 12:18

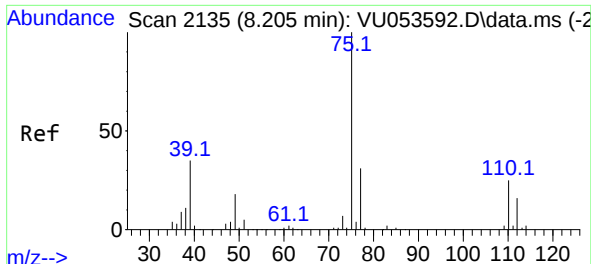
Tgt Ion: 91 Resp: 19659

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8

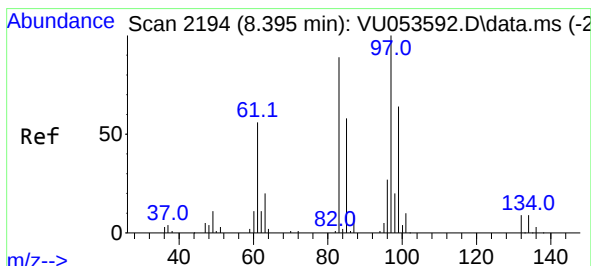
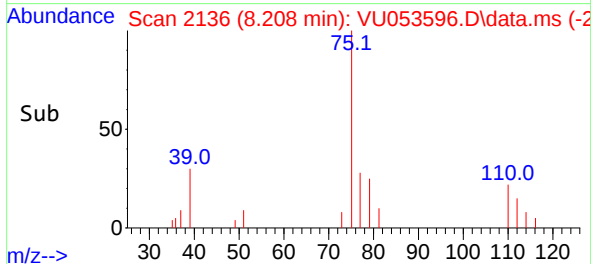
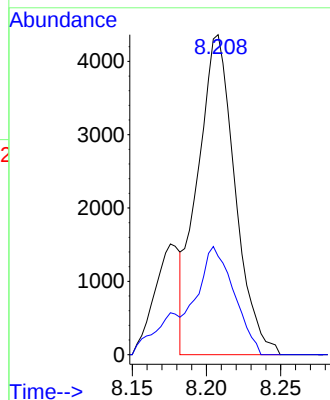
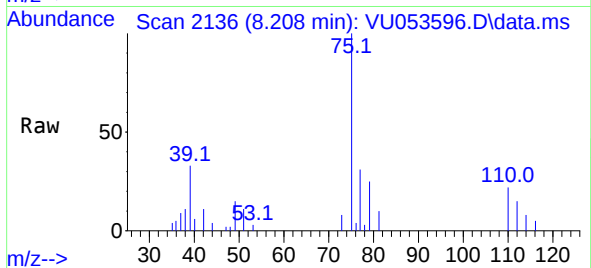




#44
trans-1,3-Dichloropropene
Concen: 3.209 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

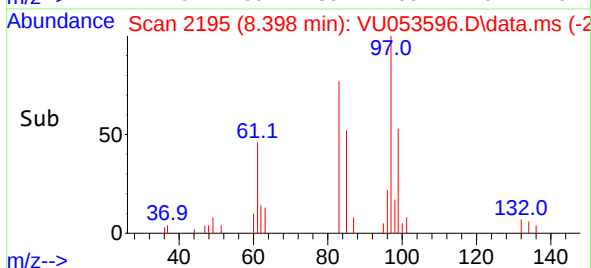
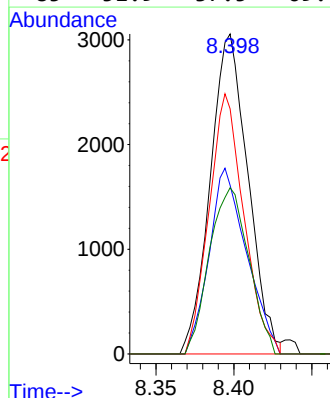
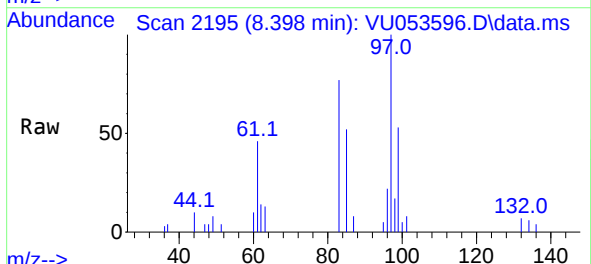
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

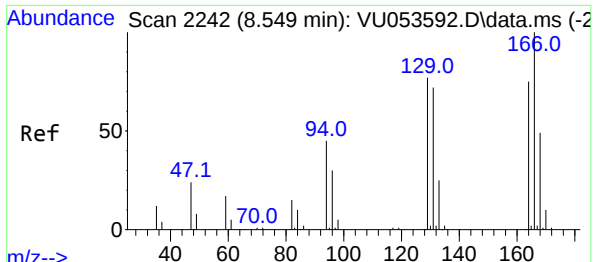
Tgt Ion: 75 Resp: 7661
Ion Ratio Lower Upper
75 100
77 30.8 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 3.029 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 97 Resp: 5140
Ion Ratio Lower Upper
97 100
99 52.7 43.8 81.3
83 76.6 59.0 109.6
85 51.9 37.5 69.7



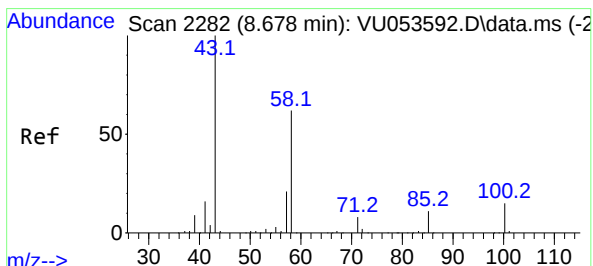
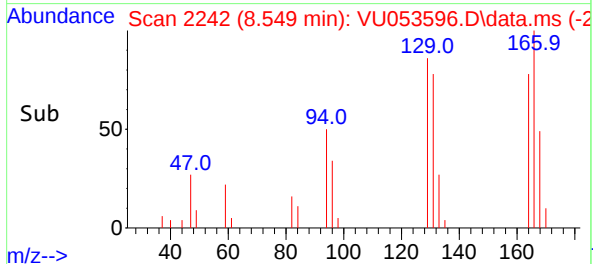
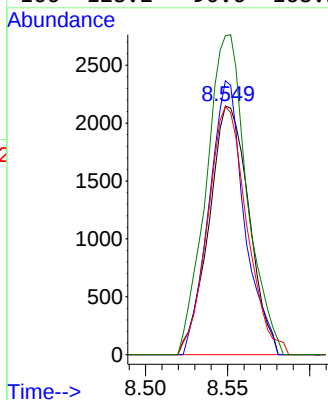
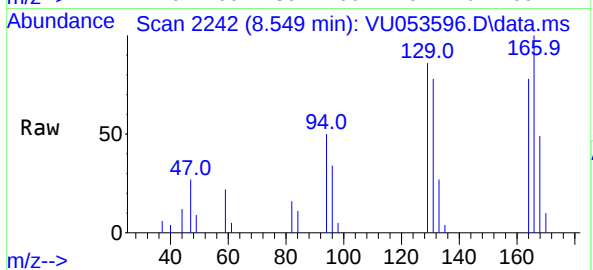


#46
Tetrachloroethene
Concen: 2.375 ug/L
RT: 8.549 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion:164 Resp: 3628

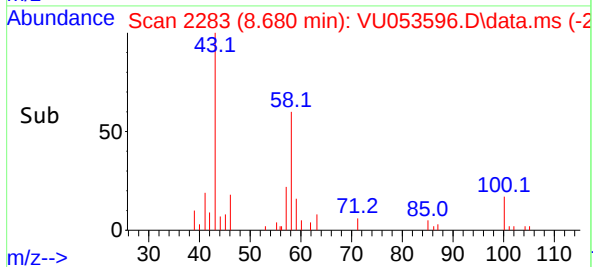
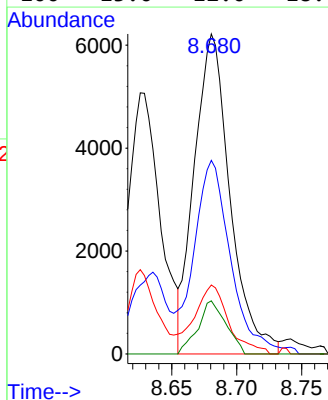
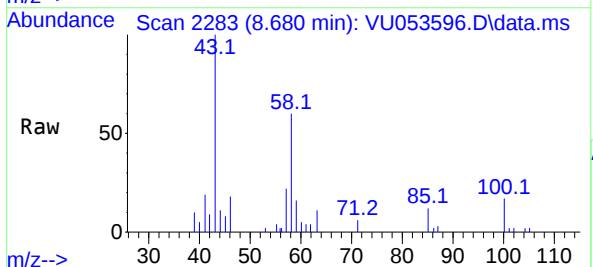
Ion	Ratio	Lower	Upper
164	100		
129	110.1	64.0	119.0
131	99.8	61.9	115.1
166	128.2	90.6	168.2

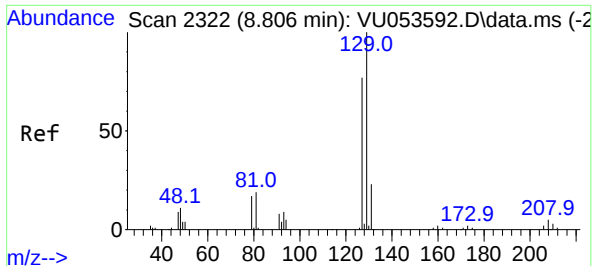


#48
2-Hexanone
Concen: 8.752 ug/L
RT: 8.680 min Scan# 2283
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 43 Resp: 11891

Ion	Ratio	Lower	Upper
43	100		
58	60.6	49.8	74.6
57	20.5	17.8	26.6
100	13.0	12.0	18.0

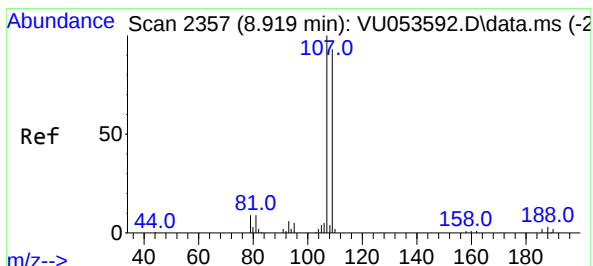
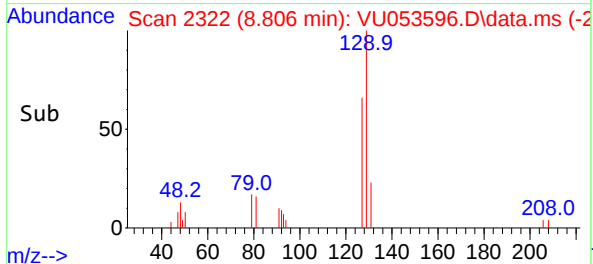
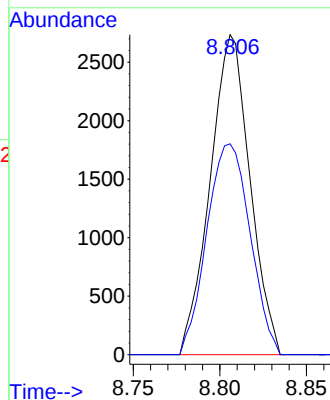
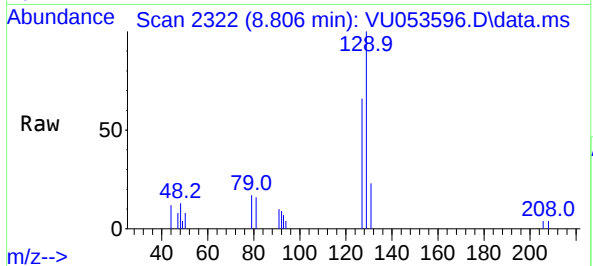




#49
Dibromochloromethane
Concen: 2.479 ug/L
RT: 8.806 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

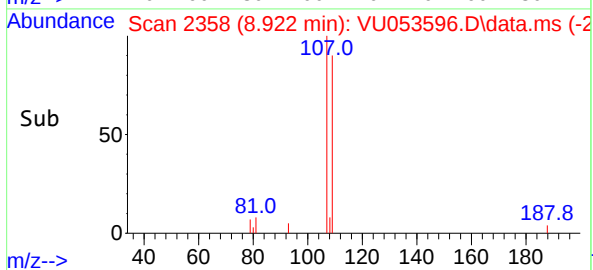
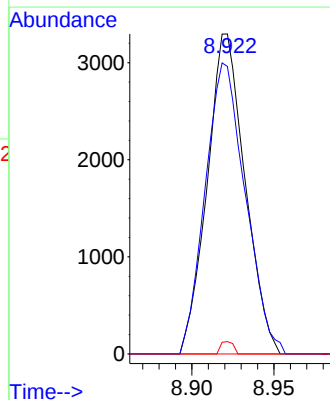
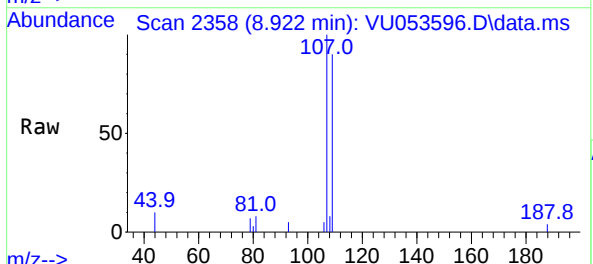
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

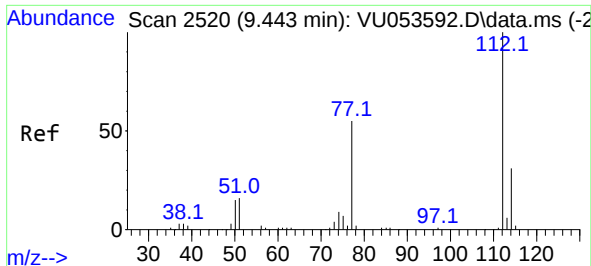
Tgt Ion:129 Resp: 4374
Ion Ratio Lower Upper
129 100
127 65.9 53.5 99.3



#50
1,2-Dibromoethane
Concen: 2.779 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:107 Resp: 5275
Ion Ratio Lower Upper
107 100
109 89.8 66.3 123.1
188 3.9 3.0 4.4

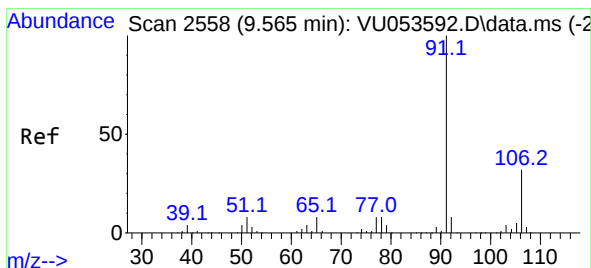
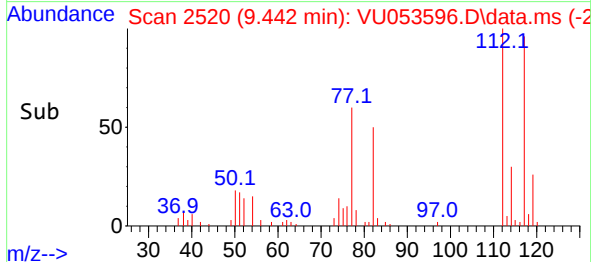
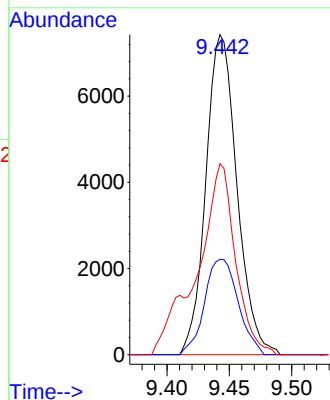
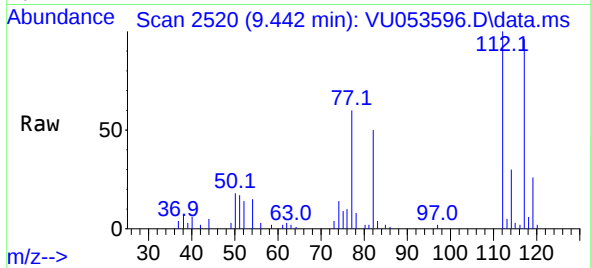




#51
Chlorobenzene
Concen: 2.718 ug/L
RT: 9.442 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

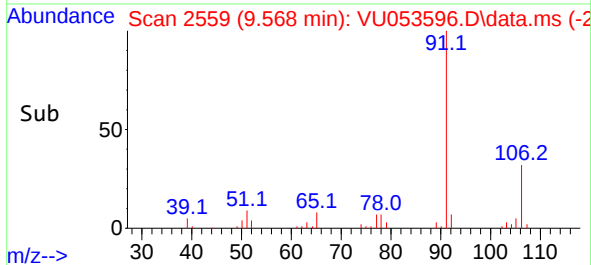
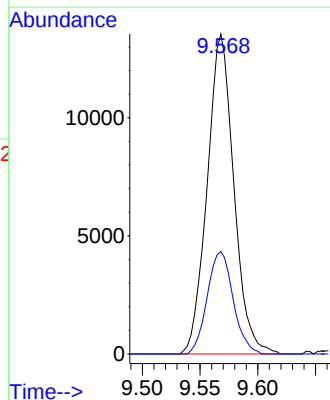
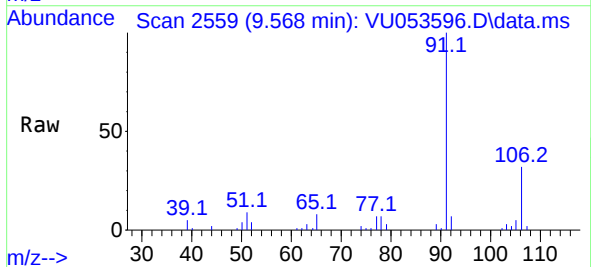
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

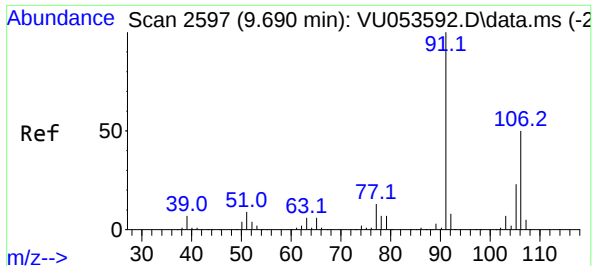
Tgt Ion:	112	Resp:	12916
Ion	Ratio	Lower	Upper
112	100		
114	29.8	22.2	41.2
77	59.7	41.3	61.9



#52
Ethylbenzene
Concen: 2.831 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:	91	Resp:	21737
Ion	Ratio	Lower	Upper
91	100		
106	32.0	22.4	41.6

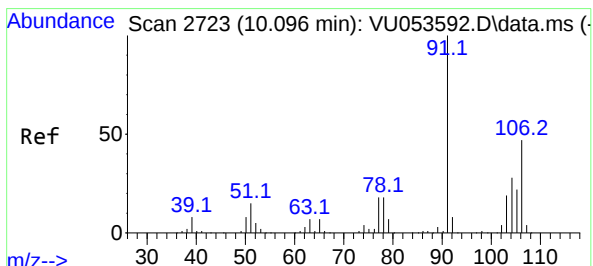
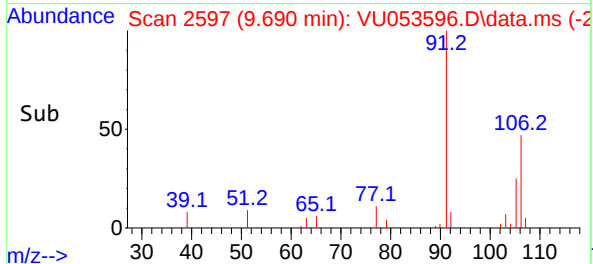
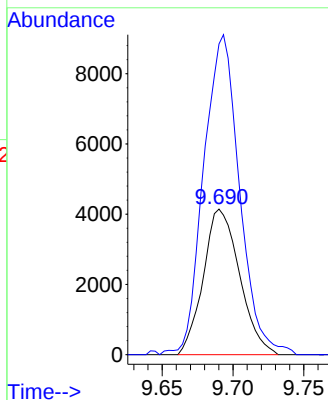
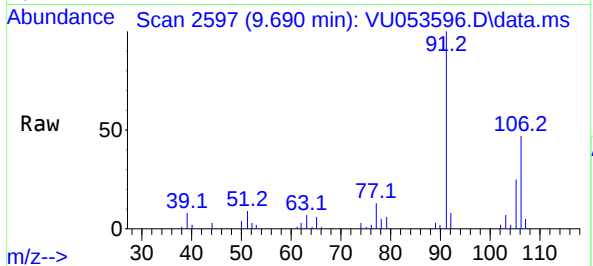




#53
m,p-Xylene
Concen: 2.463 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

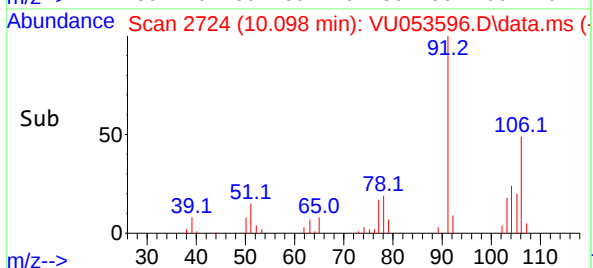
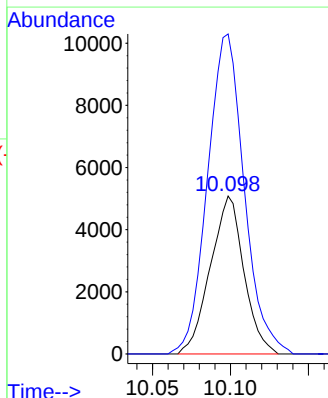
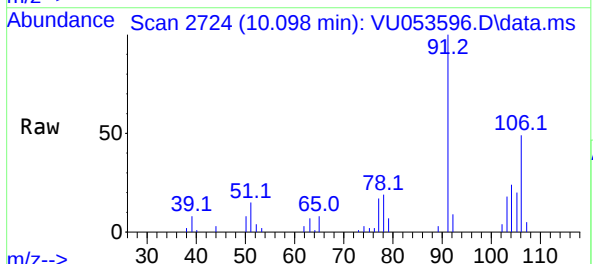
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

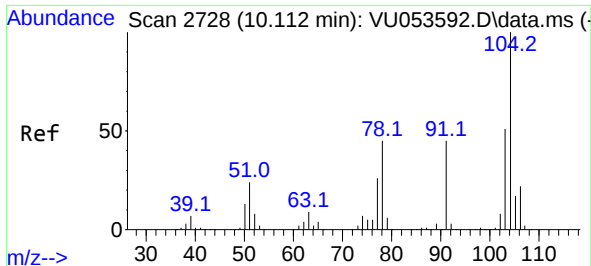
Tgt Ion:106 Resp: 7398
Ion Ratio Lower Upper
106 100
91 213.4 140.0 260.0



#54
o-Xylene
Concen: 2.560 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:106 Resp: 7602
Ion Ratio Lower Upper
106 100
91 202.7 144.9 269.1

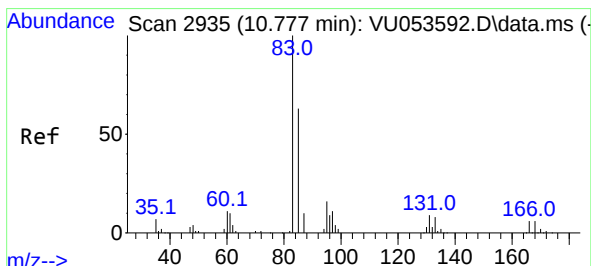
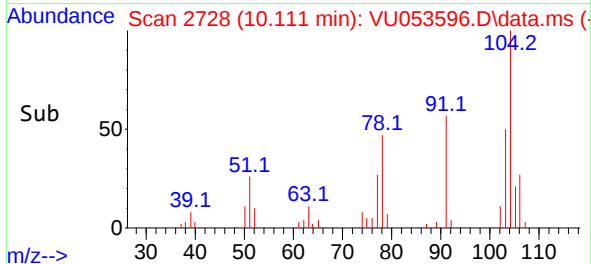
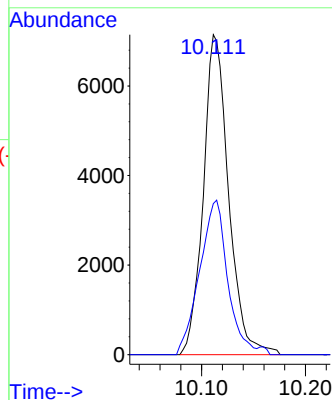
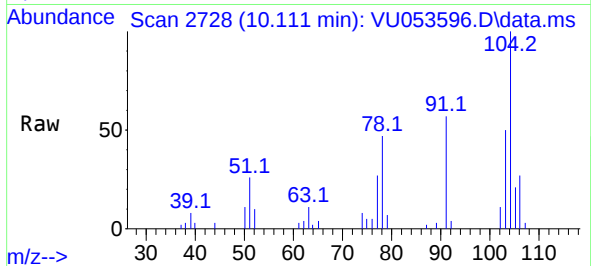




#55
Styrene
Concen: 2.502 ug/L
RT: 10.111 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

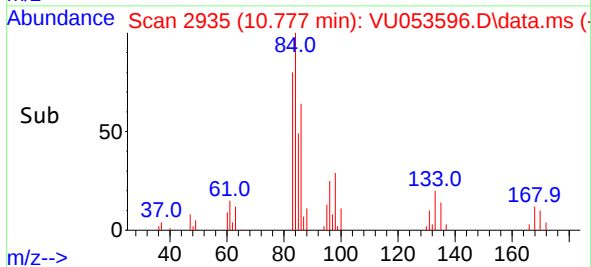
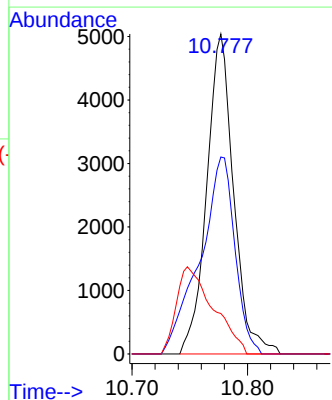
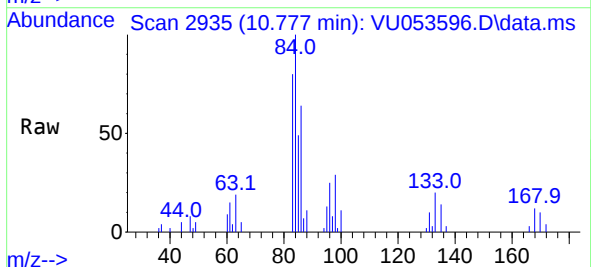
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

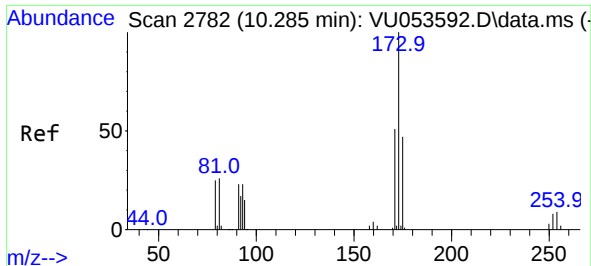
Tgt Ion:104 Resp: 12099
Ion Ratio Lower Upper
104 100
78 47.2 31.3 58.1



#57
1,1,2,2-Tetrachloroethane
Concen: 3.268 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 83 Resp: 8141
Ion Ratio Lower Upper
83 100
85 61.5 47.0 87.4
131 12.6 8.7 13.1

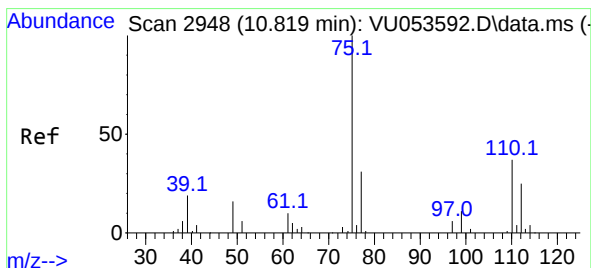
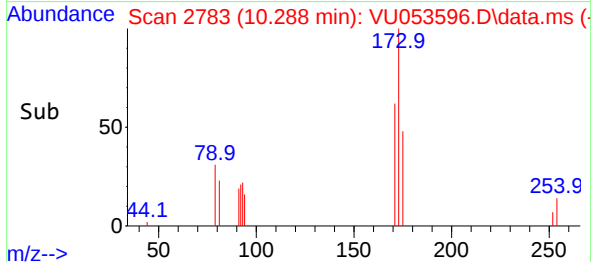
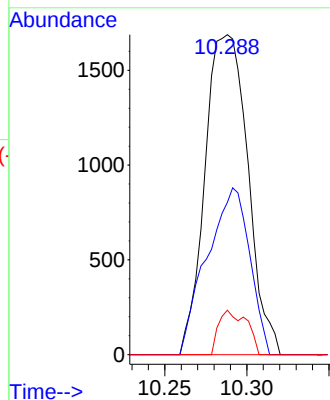
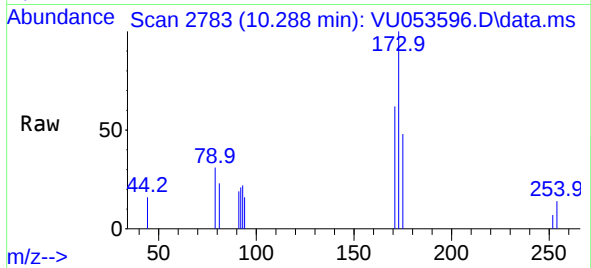




#59
Bromoform
Concen: 2.473 ug/L
RT: 10.288 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

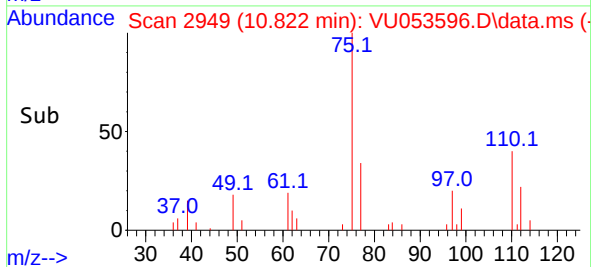
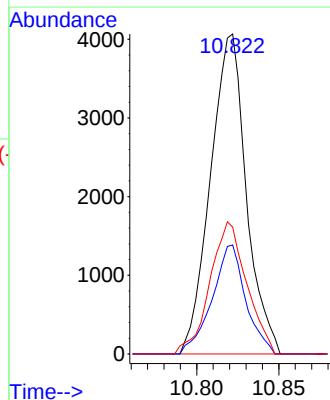
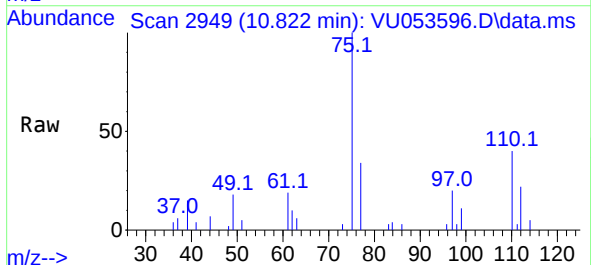
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

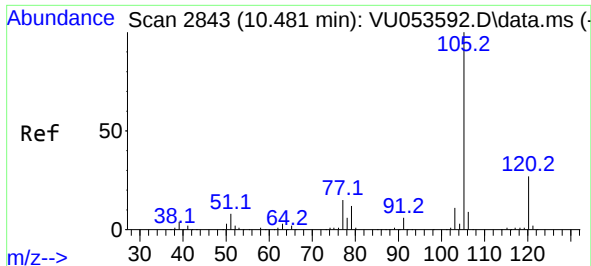
Tgt Ion:173 Resp: 3057
Ion Ratio Lower Upper
173 100
175 51.9 39.0 58.6
254 6.1 7.0 10.4#



#60
1,2,3-Trichloropropane
Concen: 3.524 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion: 75 Resp: 6170
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
110 42.4 32.6 48.8

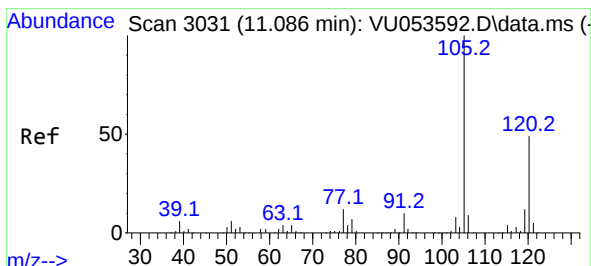
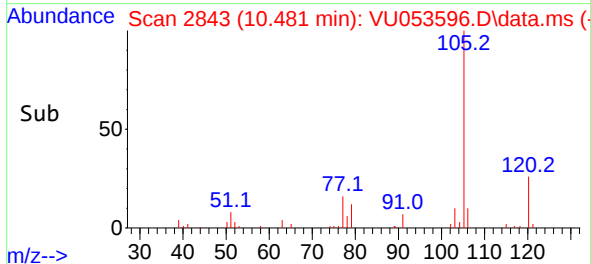
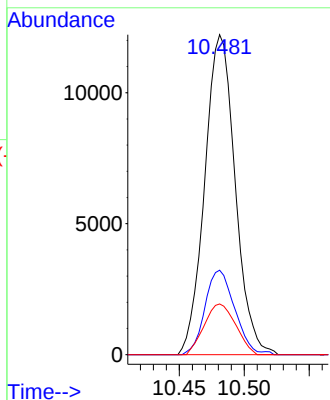
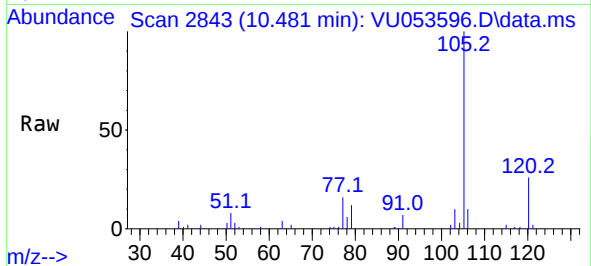




#61
Isopropylbenzene
Concen: 2.789 ug/L
RT: 10.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

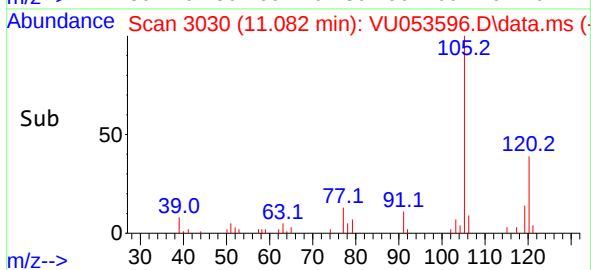
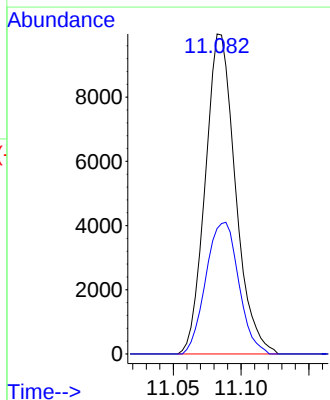
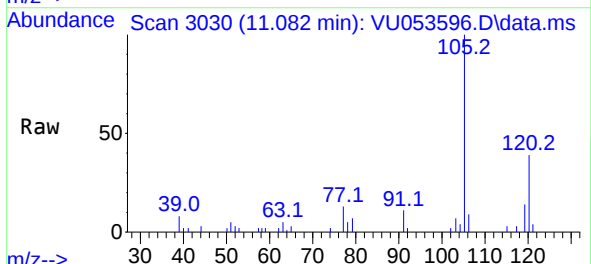
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

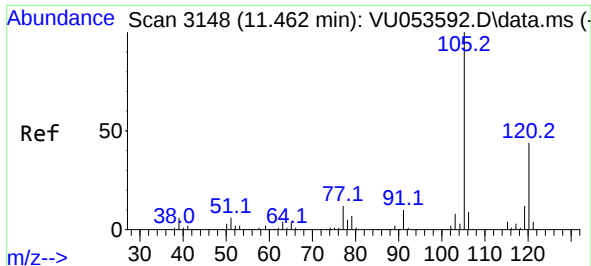
Tgt Ion:105	Resp:	19910
Ion Ratio	Lower	Upper
105	100	
120	25.6	22.4 33.6
77	16.4	12.1 18.1



#62
1,3,5-Trimethylbenzene
Concen: 2.598 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:105	Resp:	15420
Ion Ratio	Lower	Upper
105	100	
120	44.8	39.5 59.3

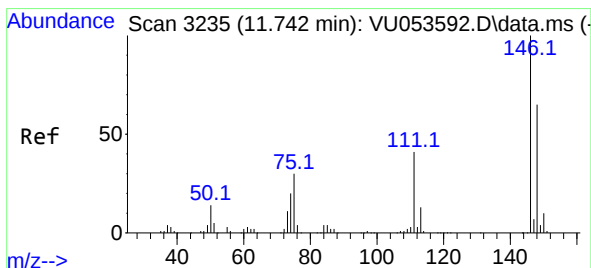
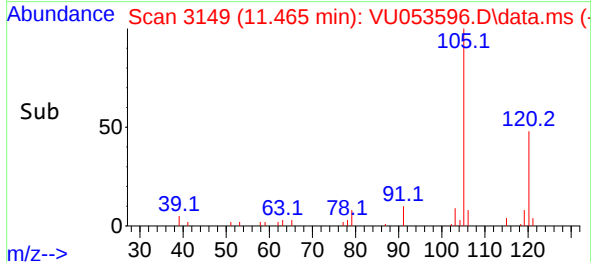
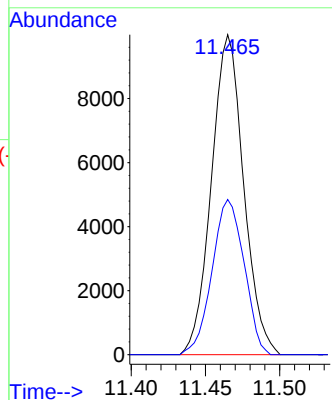
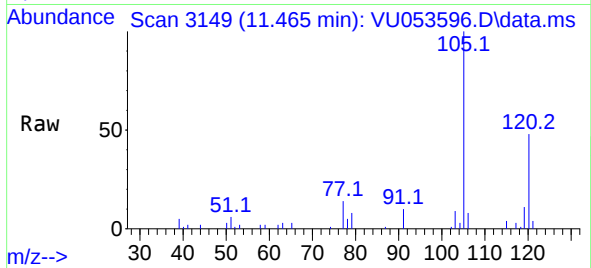




#63
1,2,4-Trimethylbenzene
Concen: 2.569 ug/L
RT: 11.465 min Scan# 3148
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

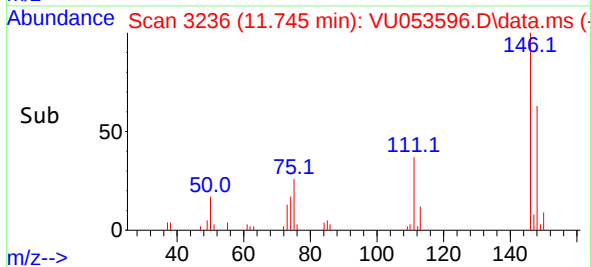
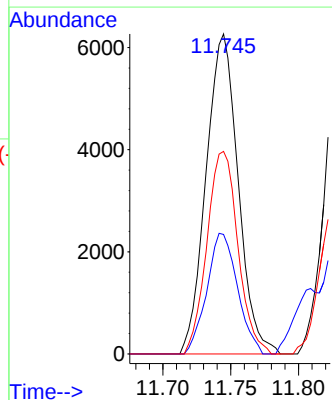
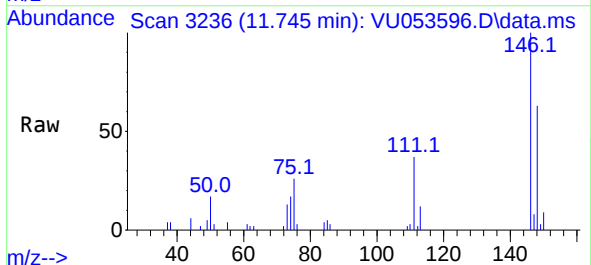
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

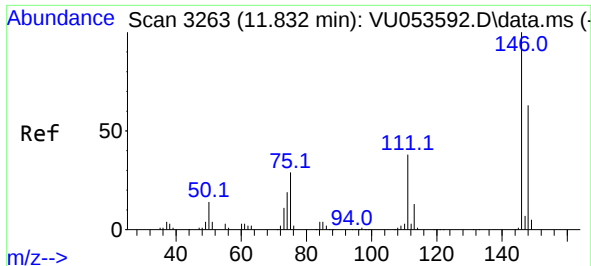
Tgt Ion:105 Resp: 15104
Ion Ratio Lower Upper
105 100
120 48.1 37.5 56.3



#64
1,3-Dichlorobenzene
Concen: 2.765 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:146 Resp: 10314
Ion Ratio Lower Upper
146 100
111 37.4 25.7 47.7
148 63.3 44.2 82.2

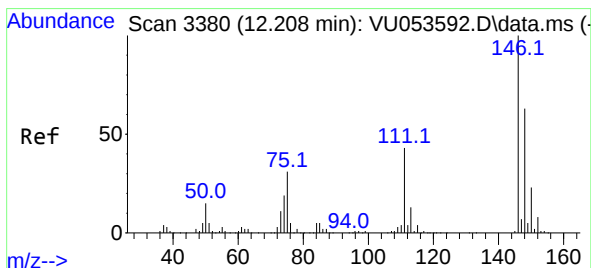
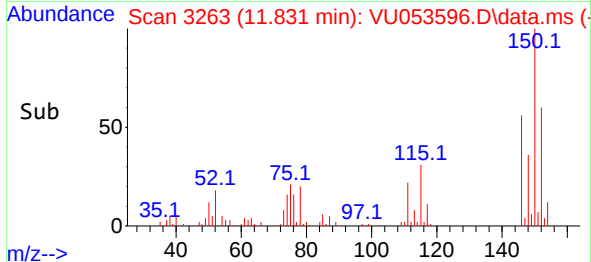
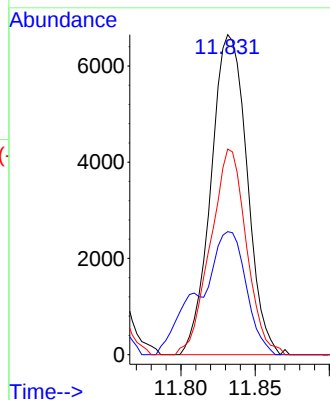
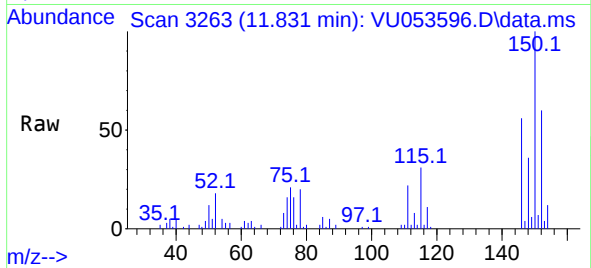




#65
1,4-Dichlorobenzene
Concen: 2.947 ug/L
RT: 11.831 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

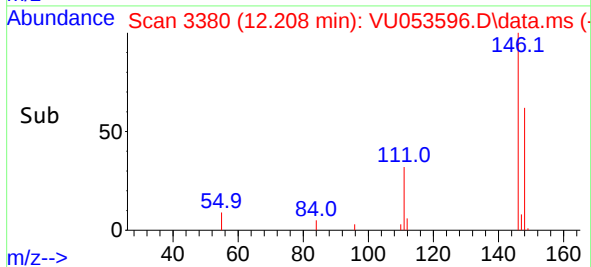
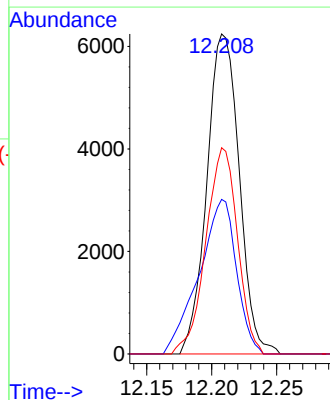
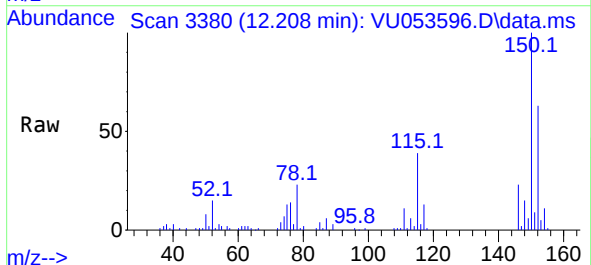
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

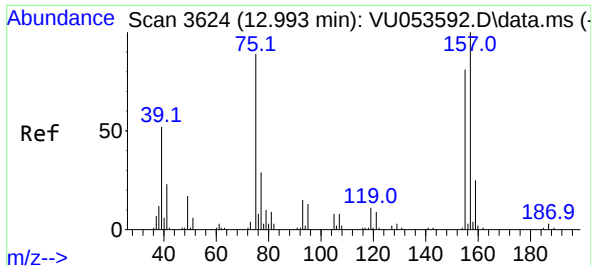
Tgt Ion:146	Resp:	11206
Ion Ratio	Lower	Upper
146	100	
111	38.4	25.1 46.5
148	64.2	44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 2.913 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:146	Resp:	10830
Ion Ratio	Lower	Upper
146	100	
111	48.3	31.5 47.3#
148	64.4	51.6 77.4

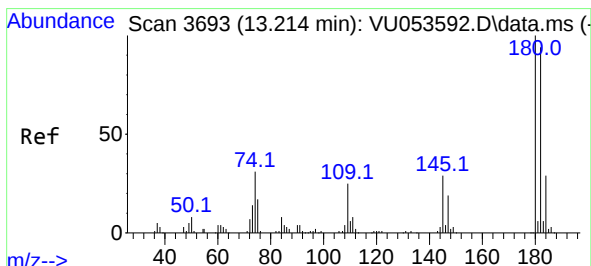
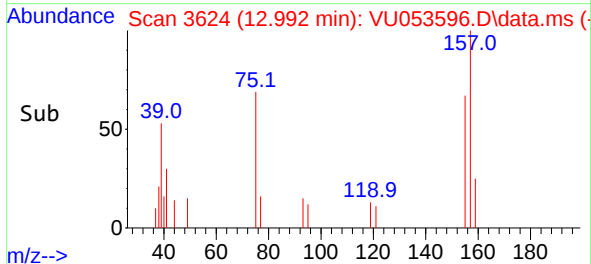
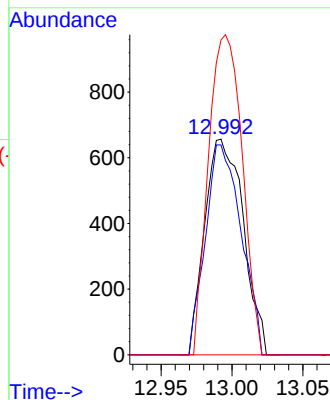
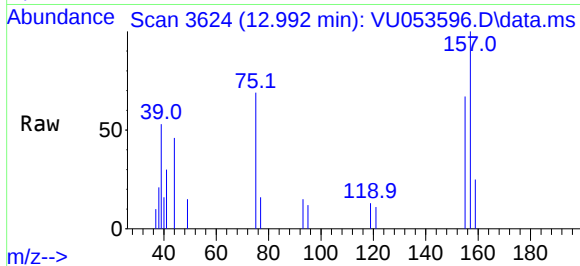




#68
1,2-Dibromo-3-chloropropane
Concen: 2.654 ug/L
RT: 12.992 min Scan# 30
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

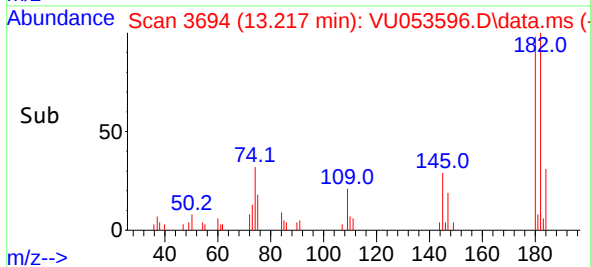
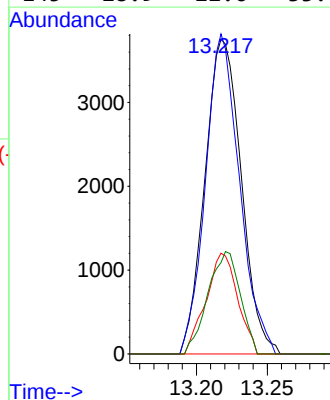
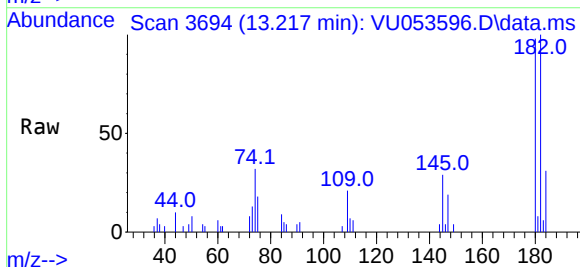
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

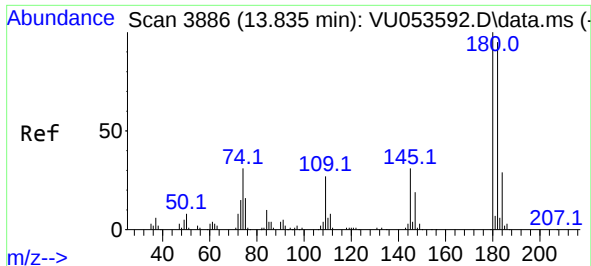
Tgt Ion: 75 Resp: 1239
Ion Ratio Lower Upper
75 100
155 97.3 79.9 119.9
157 146.0 100.8 151.2



#69
1,3,5-Trichlorobenzene
Concen: 2.422 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

Tgt Ion:180 Resp: 6690
Ion Ratio Lower Upper
180 100
182 95.1 75.6 113.4
184 27.9 24.2 36.2
145 28.9 22.6 33.8

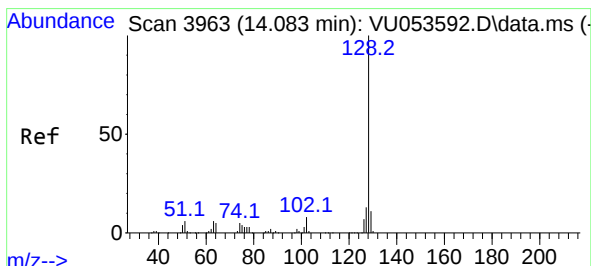
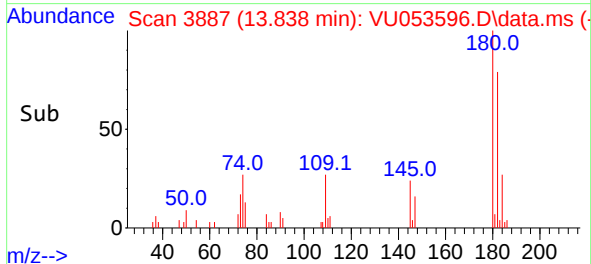
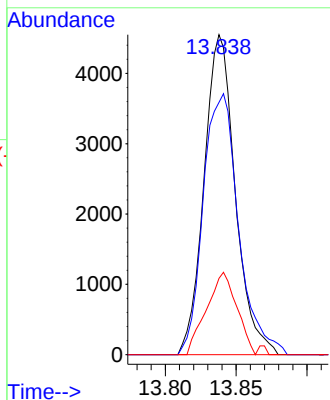
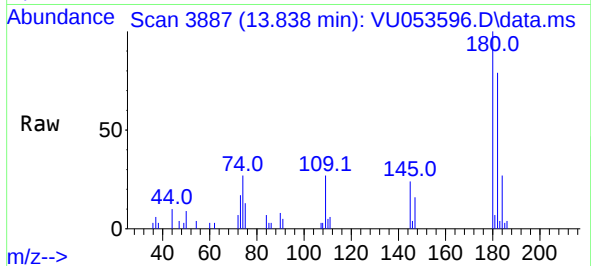




#70
1,2,4-trichlorobenzene
Concen: 2.724 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

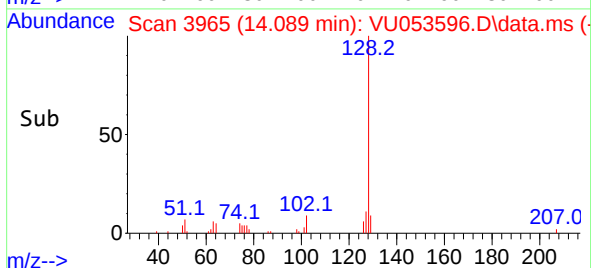
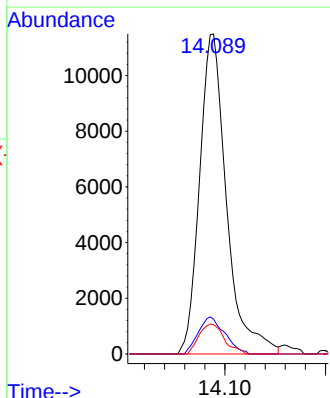
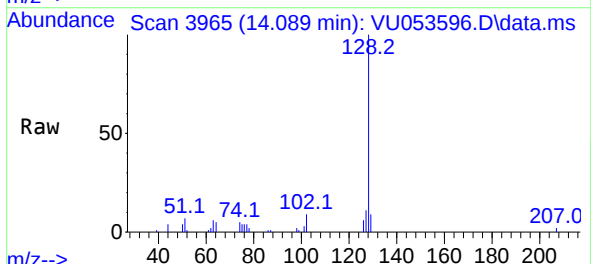
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

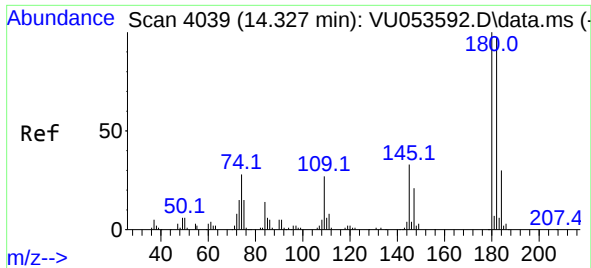
Tgt Ion:	180	Resp:	6976
Ion	Ratio	Lower	Upper
180	100		
182	92.2	75.8	113.8
145	25.0	23.4	35.2



#71
Naphthalene
Concen: 2.789 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.010 min
Lab File: VU053596.D
Acq: 07 Apr 2023 12:18

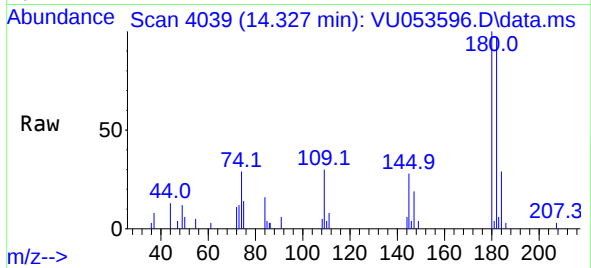
Tgt Ion:	128	Resp:	21382
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.2	15.2
129	8.8	8.6	12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 2.471 ug/L
 RT: 14.327 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU053596.D
 Acq: 07 Apr 2023 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04



Tgt Ion:	180	Resp:	6321
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.0	115.6
145	30.3	25.4	38.0

