

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\UU071823\
 Data File : UU054804.D
 Acq On : 18 Jul 2023 13:16
 Operator : MD/SY
 Sample : 03573-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Jul 19 02:49:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	236946	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	228281	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118593	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80036	43.703	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.400%		
7) Chloroethane-d5	1.885	69	78502	42.851	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.700%		
11) 1,1-Dichloroethene-d2	2.557	63	86125	32.785	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.560%		
21) 2-Butanone-d5	4.618	46	119799	101.771	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.770%		
24) Chloroform-d	5.058	84	129742	45.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.020%		
26) 1,2-Dichloroethane-d4	5.695	65	84034	49.226	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.460%		
32) Benzene-d6	5.721	84	264007	48.551	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.100%		
36) 1,2-Dichloropropane-d6	6.685	67	88677	48.431	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.860%		
41) Toluene-d8	7.894	98	252998	48.826	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.660%		
43) trans-1,3-Dichloroprop...	8.177	79	42543	45.420	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.840%		
47) 2-Hexanone-d5	8.631	63	81101	93.702	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.700%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	153450	45.627	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.260%		
66) 1,2-Dichlorobenzene-d4	12.190	152	99196	48.676	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	4512	2.520	ug/L	97
3) Chloromethane	1.522	50	7095	3.474	ug/L	97
5) Vinyl chloride	1.602	62	6698	2.523	ug/L #	76
6) Bromomethane	1.827	94	6058	3.749	ug/L	88
9) Trichlorofluoromethane	2.123	101	10861	2.556	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4339	2.768	ug/L	90
12) 1,1-Dichloroethene	2.563	96	2643	1.793	ug/L #	1
13) Acetone	2.624	43	4181	4.223	ug/L	73
14) Carbon disulfide	2.785	76	11206	2.603	ug/L	99
15) Methyl Acetate	2.949	43	5717	3.462	ug/L #	71
17) trans-1,2-Dichloroethene	3.351	96	4009	2.627	ug/L	78
18) Methyl tert-butyl Ether	3.364	73	14311	2.710	ug/L #	90
19) 1,1-Dichloroethane	3.859	63	7773	2.669	ug/L	88
20) cis-1,2-Dichloroethene	4.660	96	4663	2.571	ug/L	93
22) 2-Butanone	4.714	43	3187	2.332	ug/L	81
23) Bromochloromethane	4.968	128	2263	2.453	ug/L	86
25) Chloroform	5.081	83	8742	2.863	ug/L	95
27) 1,2-Dichloroethane	5.791	62	6164	2.658	ug/L #	91
29) Cyclohexane	5.386	56	6496	2.588	ug/L #	59

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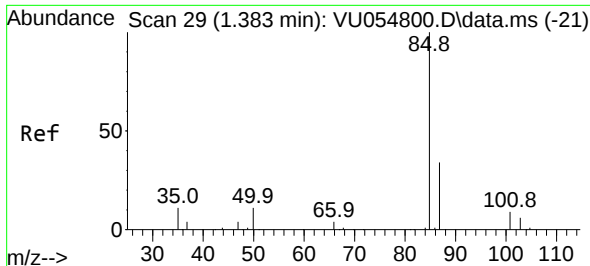
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) 1,1,1-Trichloroethane	5.309	97	7087	2.797	ug/L	91
31) Carbon tetrachloride	5.518	117	5837	2.668	ug/L #	60
33) Benzene	5.772	78	17175	2.626	ug/L	100
34) Trichloroethene	6.537	95	4656	2.797	ug/L	77
35) Methylcyclohexane	6.759	83	8028	2.951	ug/L #	91
37) 1,2-Dichloropropane	6.785	63	4643	2.581	ug/L #	88
38) Bromodichloromethane	7.103	83	6208	2.690	ug/L #	96
39) cis-1,3-Dichloropropene	7.605	75	7836	2.641	ug/L #	80
40) 4-Methyl-2-pentanone	7.795	43	13878	5.039	ug/L	98
42) Toluene	7.968	91	19330	2.641	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	7333	2.631	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	4820	2.628	ug/L	81
46) Tetrachloroethene	8.550	164	3443	2.697	ug/L	89
48) 2-Hexanone	8.682	43	16853	7.386	ug/L #	98
49) Dibromochloromethane	8.807	129	4426	2.343	ug/L	98
50) 1,2-Dibromoethane	8.920	107	5292	2.681	ug/L #	82
51) Chlorobenzene	9.444	112	13295	2.792	ug/L	97
52) Ethylbenzene	9.566	91	20361	2.406	ug/L	97
53) m,p-Xylene	9.692	106	9119	2.831	ug/L	91
54) o-Xylene	10.097	106	7239	2.212	ug/L	94
55) Styrene	10.113	104	12641	2.218	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	9449	2.610	ug/L	92
59) Bromoform	10.290	173	3078	2.075	ug/L #	77
60) 1,2,3-Trichloropropane	10.820	75	6314	2.729	ug/L	91
61) Isopropylbenzene	10.483	105	21365	2.727	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	16002	2.480	ug/L	97
63) 1,2,4-Trimethylbenzene	11.466	105	16592	2.594	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	8020	2.207	ug/L	90
65) 1,4-Dichlorobenzene	11.833	146	9924	2.711	ug/L	92
67) 1,2-Dichlorobenzene	12.209	146	9240	2.531	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	13.000	75	1403	2.268	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.219	180	6050	2.484	ug/L #	89
70) 1,2,4-trichlorobenzene	13.839	180	5499	2.615	ug/L #	85
71) Naphthalene	14.087	128	18974	2.749	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.325	180	5487	2.679	ug/L #	94

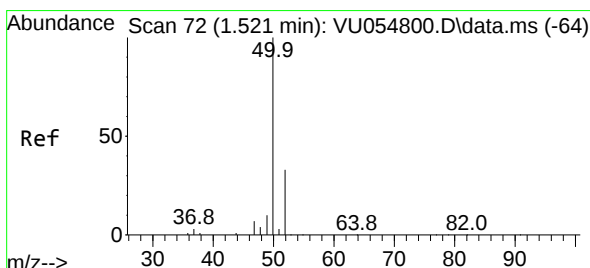
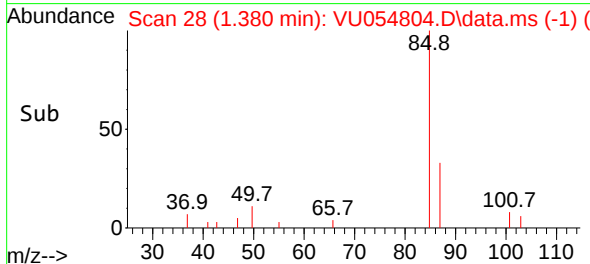
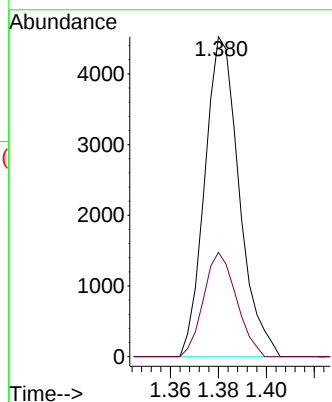
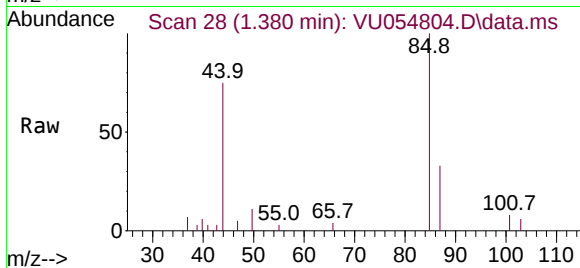
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#2
 Dichlorodifluoromethane
 Concen: 2.520 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU054804.D
 Acq: 18 Jul 2023 13:16

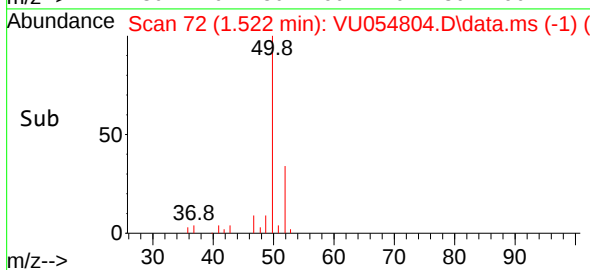
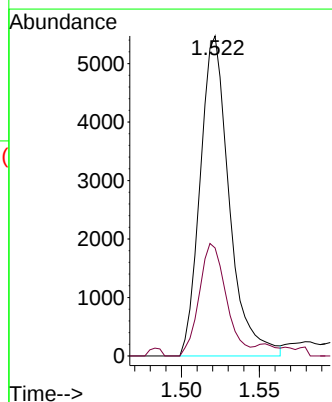
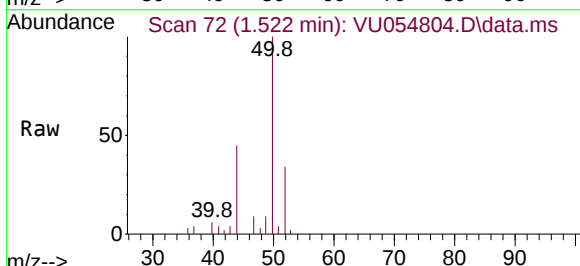
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT3-2023-06

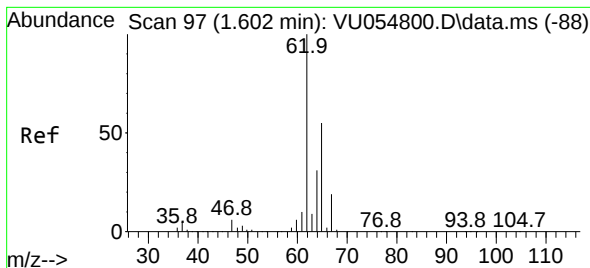
Tgt Ion: 85 Resp: 4512
 Ion Ratio Lower Upper
 85 100
 87 31.0 26.2 39.2



#3
 Chloromethane
 Concen: 3.474 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VU054804.D
 Acq: 18 Jul 2023 13:16

Tgt Ion: 50 Resp: 7095
 Ion Ratio Lower Upper
 50 100
 52 33.8 22.5 41.9





#5

Vinyl chloride

Concen: 2.523 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

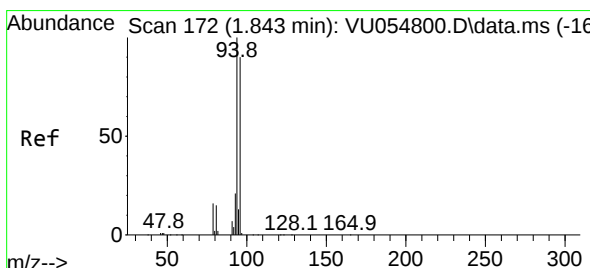
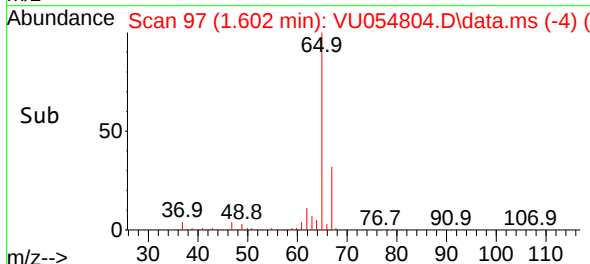
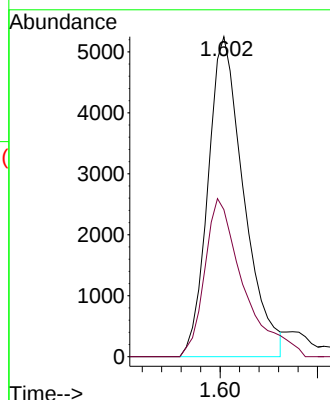
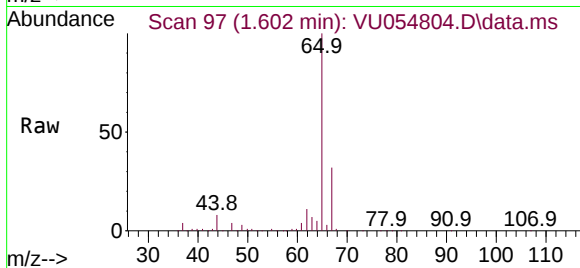
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 62 Resp: 6698

Ion Ratio Lower Upper

62 100

64 46.0 22.9 42.5#



#6

Bromomethane

Concen: 3.749 ug/L

RT: 1.827 min Scan# 167

Delta R.T. -0.016 min

Lab File: VU054804.D

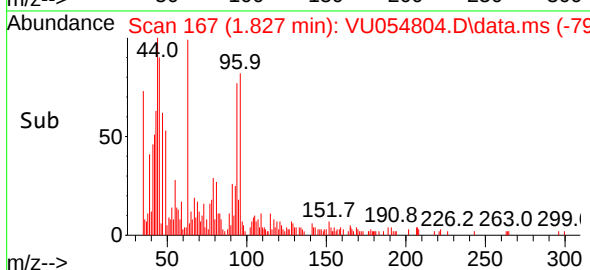
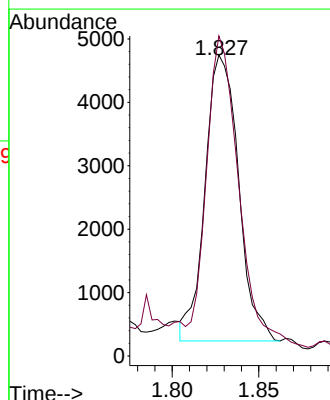
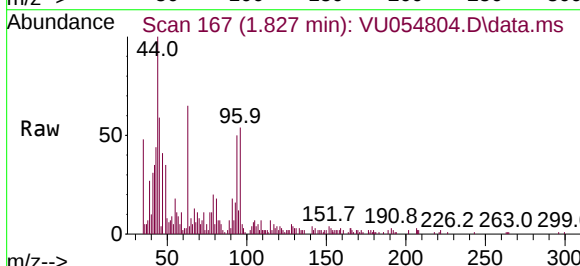
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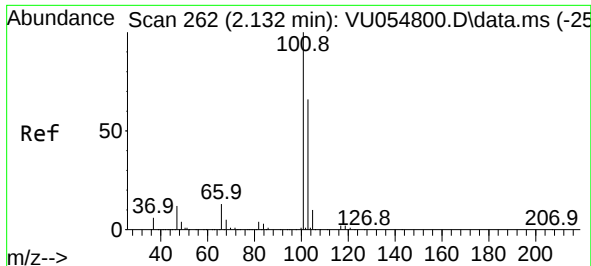
Tgt Ion: 94 Resp: 6058

Ion Ratio Lower Upper

94 100

96 106.3 66.1 122.8

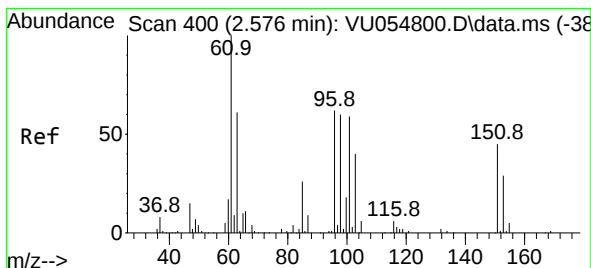
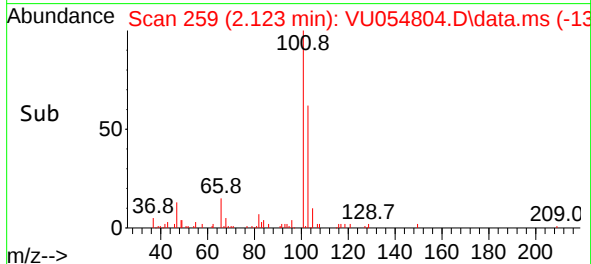
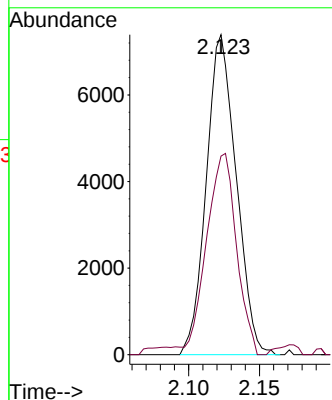
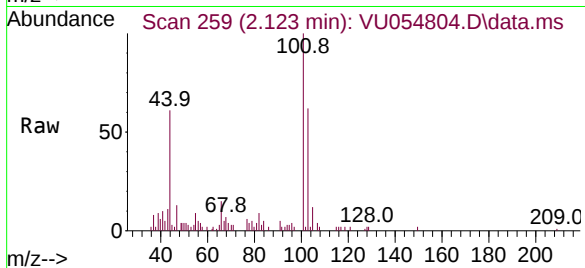




#9
 Trichlorofluoromethane
 Concen: 2.556 ug/L
 RT: 2.123 min Scan# 210
 Delta R.T. -0.010 min
 Lab File: VU054804.D
 Acq: 18 Jul 2023 13:16

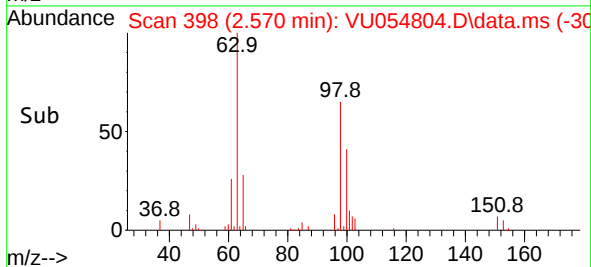
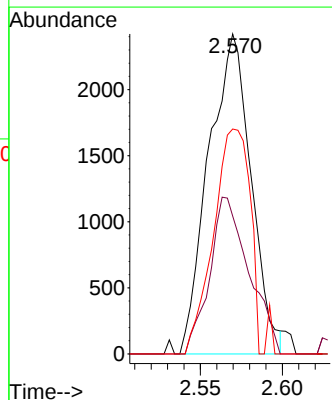
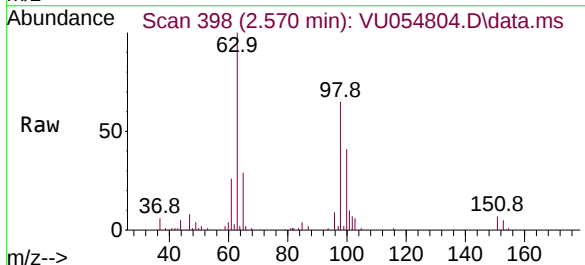
Instrument :
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 MDL-MED-SOIL-QT3-2023-06

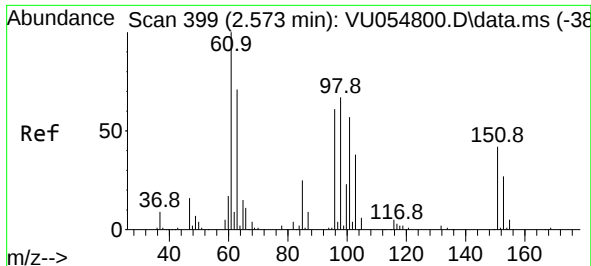
Tgt Ion:101 Resp: 10861
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.2 78.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.768 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU054804.D
 Acq: 18 Jul 2023 13:16

Tgt Ion:101 Resp: 4339
 Ion Ratio Lower Upper
 101 100
 85 45.5 35.3 52.9
 151 60.6 58.2 87.4





#12

1,1-Dichloroethene

Concen: 1.793 ug/L

RT: 2.563 min Scan# 399

Delta R.T. -0.010 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

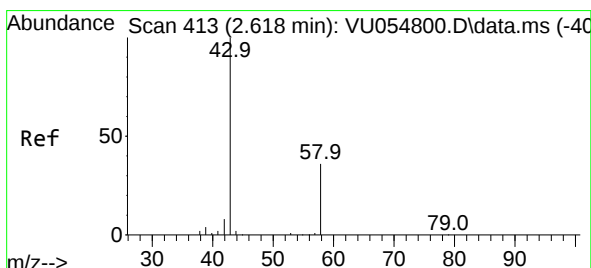
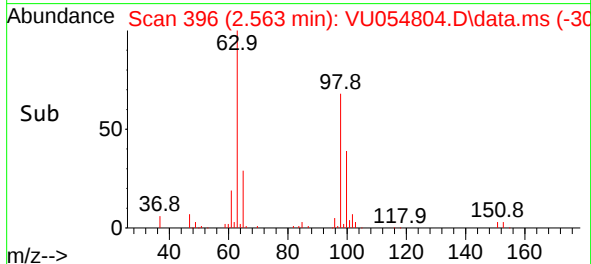
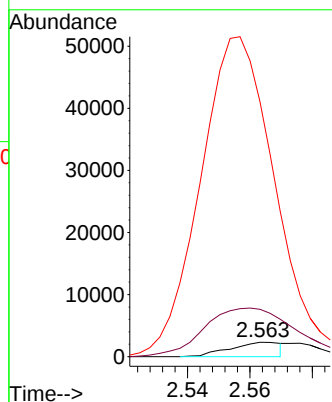
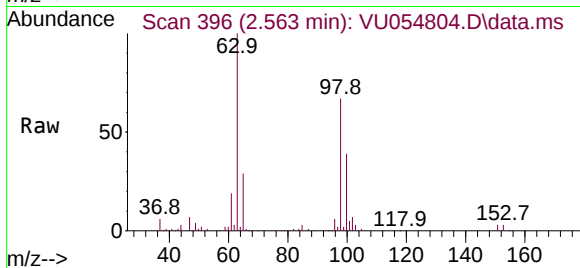
Tgt Ion: 96 Resp: 2643

Ion Ratio Lower Upper

96 100

61 328.2 115.0 213.6#

63 1767.5 77.6 144.0#



#13

Acetone

Concen: 4.223 ug/L

RT: 2.624 min Scan# 415

Delta R.T. 0.006 min

Lab File: VU054804.D

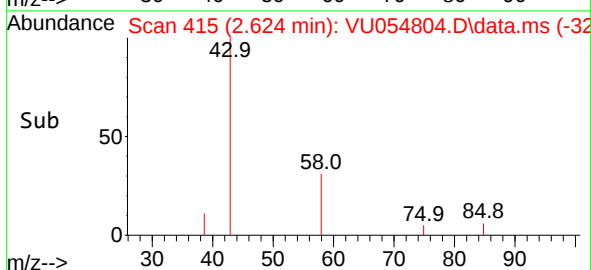
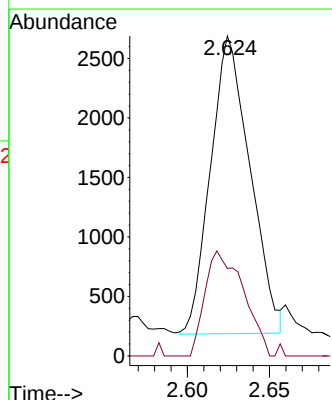
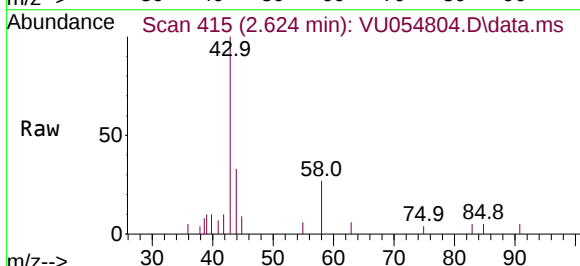
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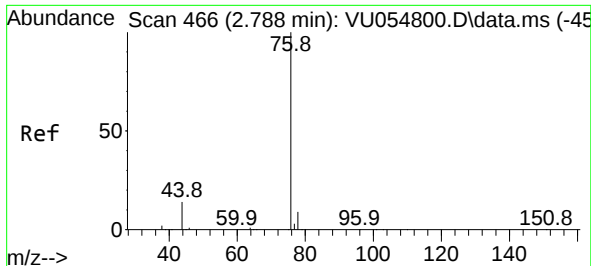
Tgt Ion: 43 Resp: 4181

Ion Ratio Lower Upper

43 100

58 20.0 0.0 72.4





#14

Carbon disulfide

Concen: 2.603 ug/L

RT: 2.785 min Scan# 4

Delta R.T. -0.003 min

Lab File: VU054804.D

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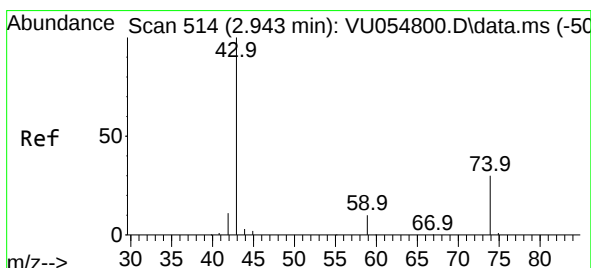
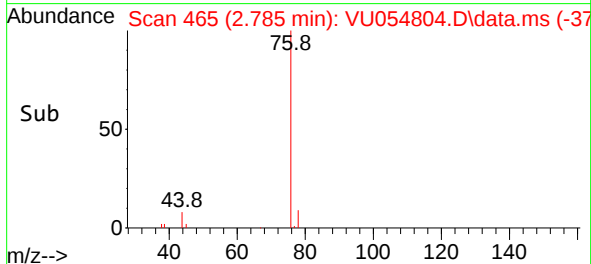
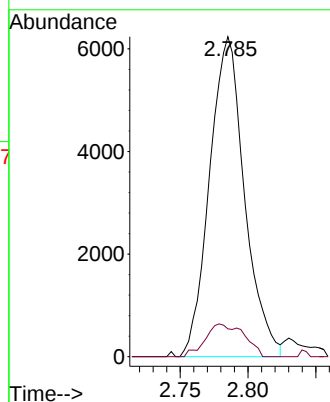
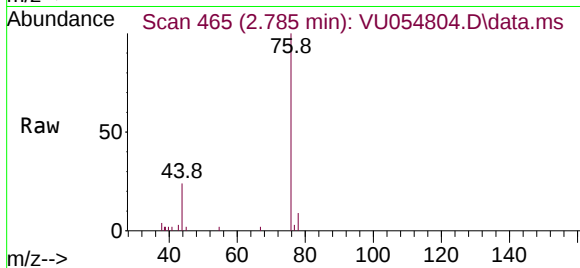
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 76 Resp: 11206

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



#15

Methyl Acetate

Concen: 3.462 ug/L

RT: 2.949 min Scan# 516

Delta R.T. 0.006 min

Lab File: VU054804.D

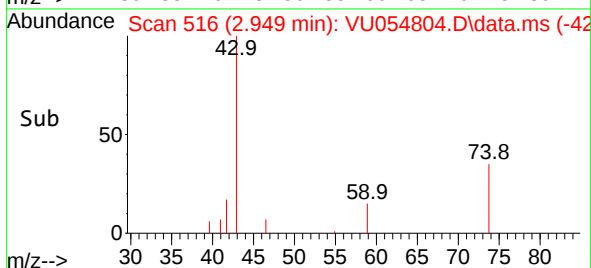
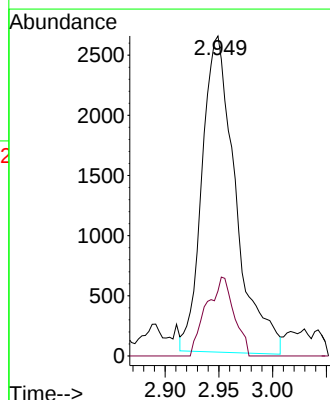
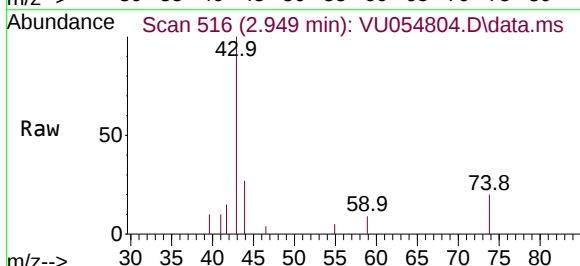
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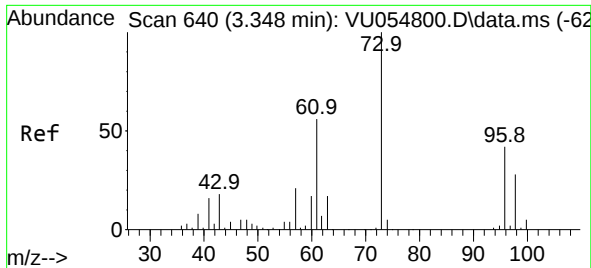
Tgt Ion: 43 Resp: 5717

Ion Ratio Lower Upper

43 100

74 12.4 21.8 32.8#

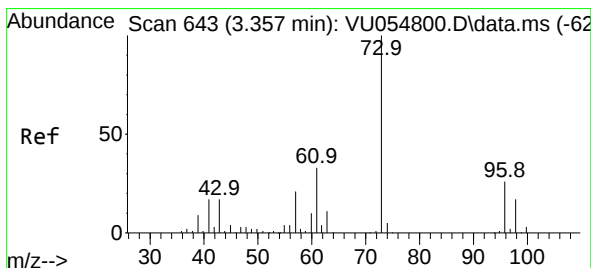
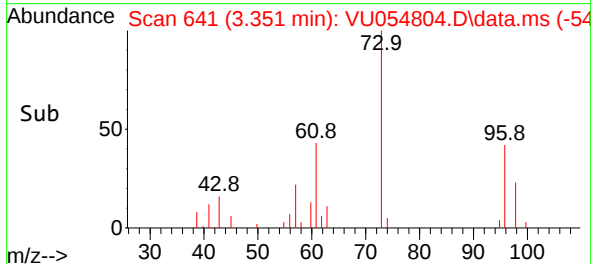
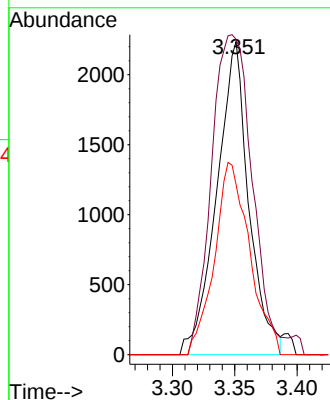
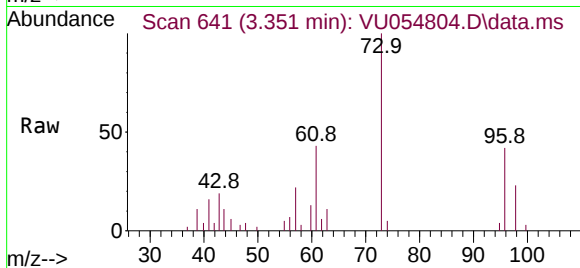




#17
trans-1,2-Dichloroethene
Concen: 2.627 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

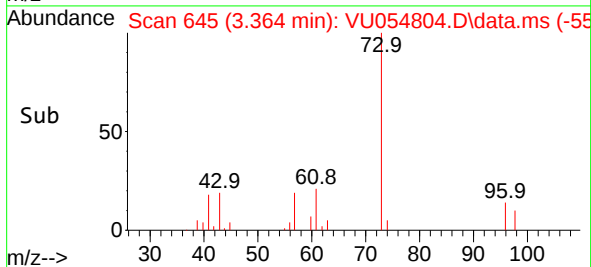
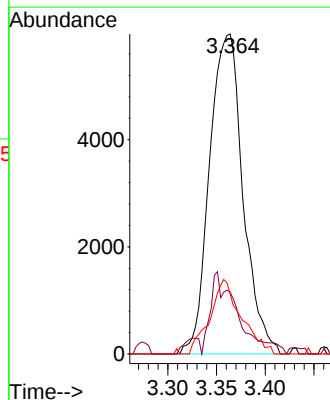
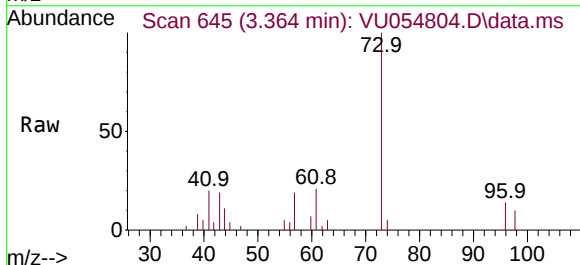
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

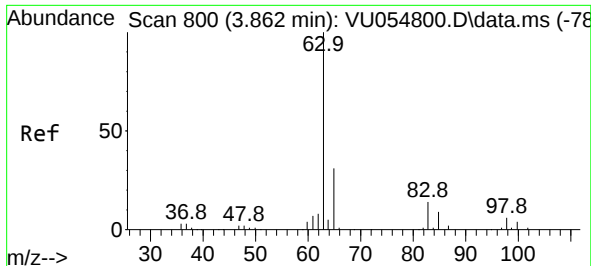
Tgt Ion: 96 Resp: 4009
Ion Ratio Lower Upper
96 100
61 100.8 93.2 173.2
98 54.4 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 2.710 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.006 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 73 Resp: 14311
Ion Ratio Lower Upper
73 100
43 8.9 14.3 21.5#
57 21.3 17.4 26.0

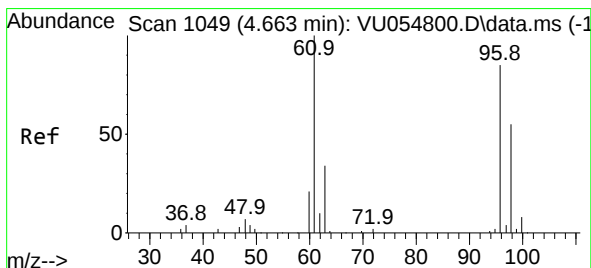
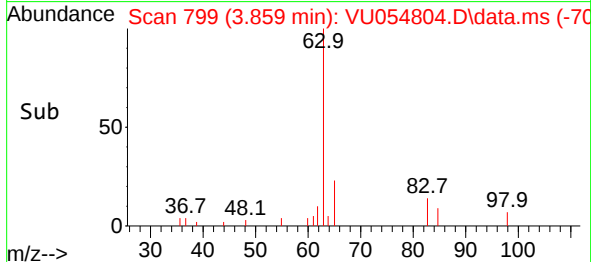
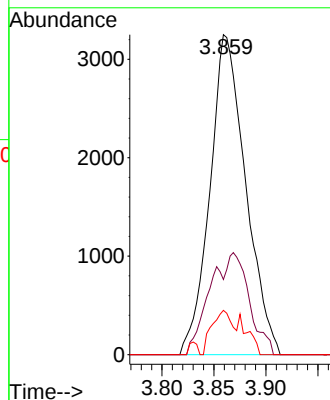
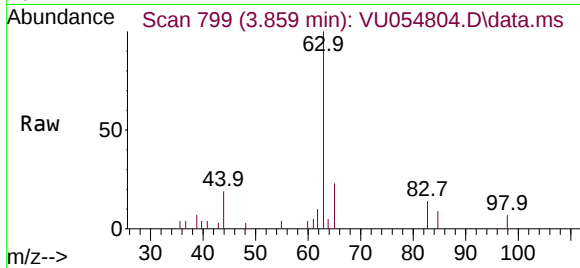




#19
1,1-Dichloroethane
Concen: 2.669 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

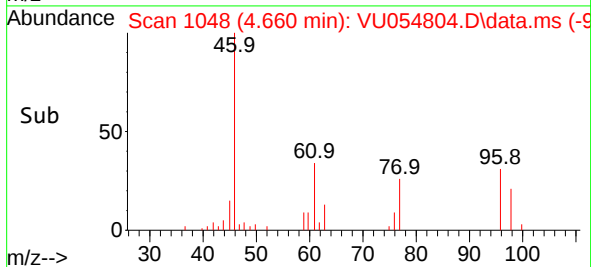
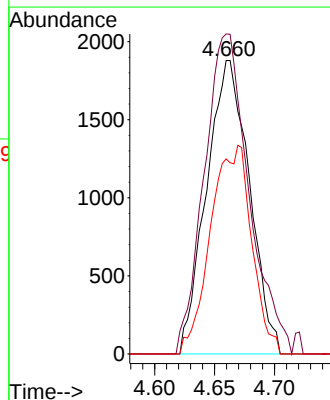
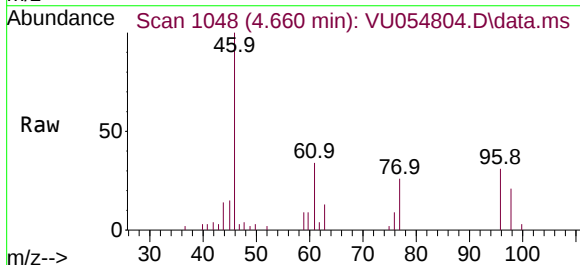
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

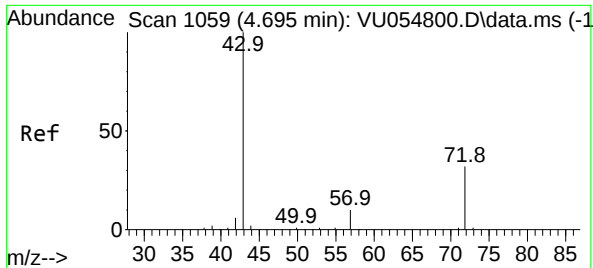
Tgt Ion: 63 Resp: 7773
Ion Ratio Lower Upper
63 100
65 22.4 22.1 41.1
83 13.2 9.4 17.4



#20
cis-1,2-Dichloroethene
Concen: 2.571 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 96 Resp: 4663
Ion Ratio Lower Upper
96 100
61 109.0 82.7 153.7
98 66.5 44.4 82.5

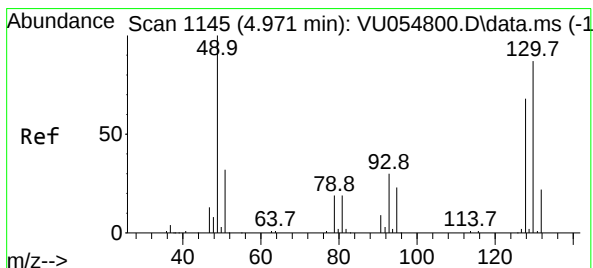
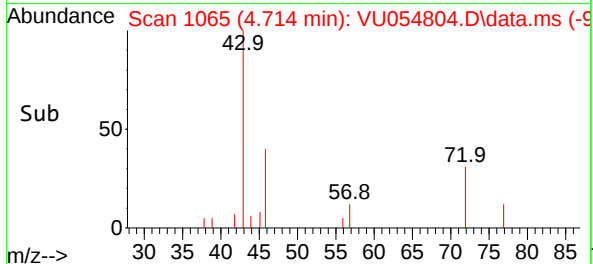
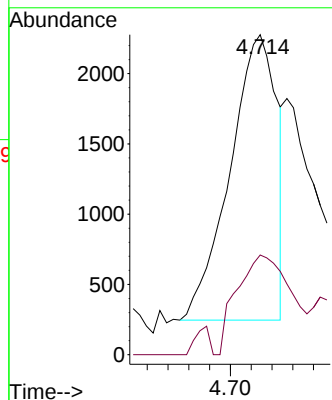
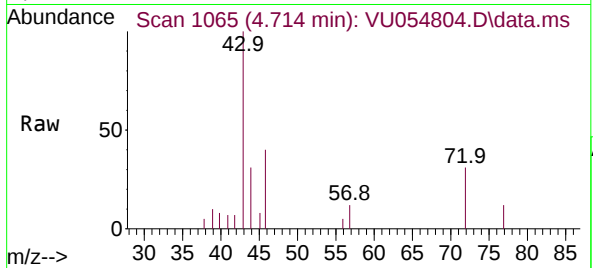




#22
2-Butanone
Concen: 2.332 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.019 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

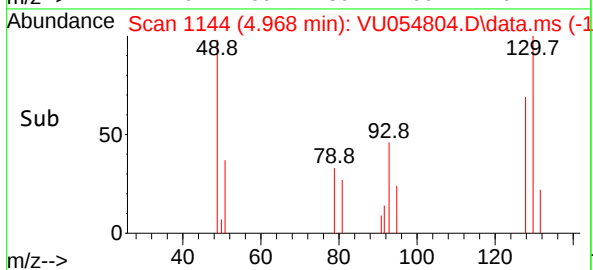
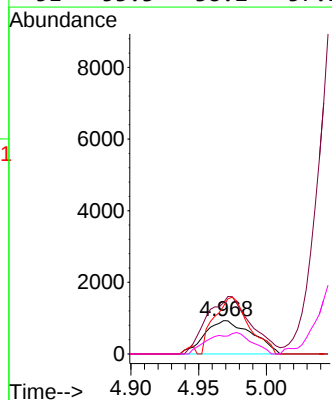
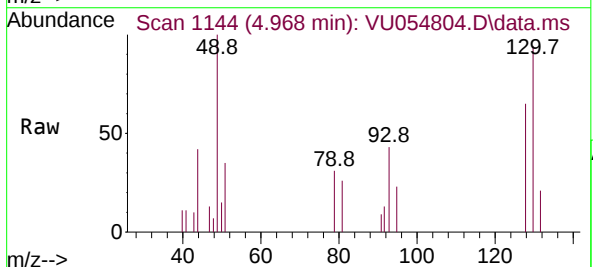
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

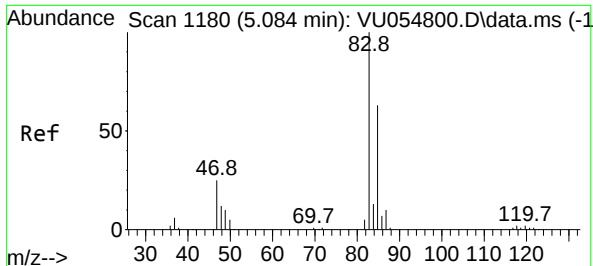
Tgt Ion: 43 Resp: 3187
Ion Ratio Lower Upper
43 100
72 40.5 15.2 45.6



#23
Bromochloromethane
Concen: 2.453 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 128 Resp: 2263
Ion Ratio Lower Upper
128 100
49 153.9 100.6 186.8
130 144.1 83.0 154.1
51 53.3 38.2 57.2

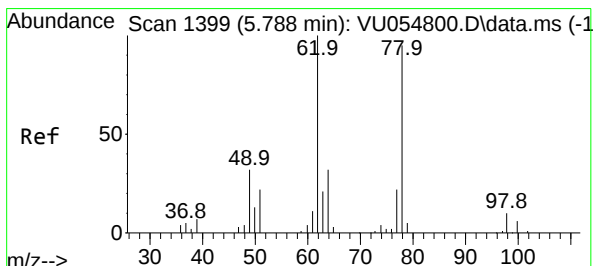
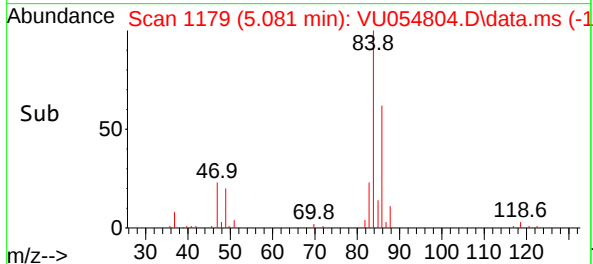
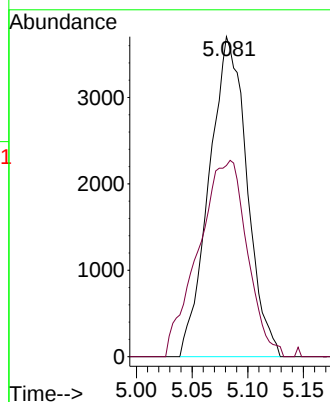
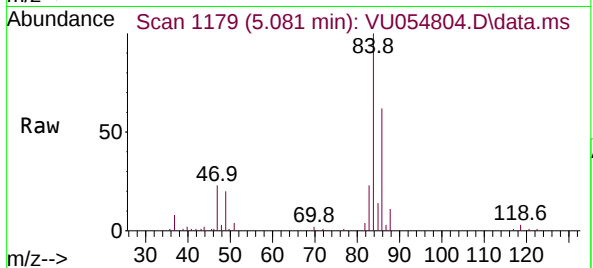




#25
Chloroform
Concen: 2.863 ug/L
RT: 5.081 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

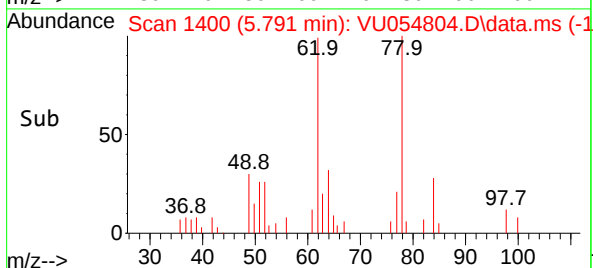
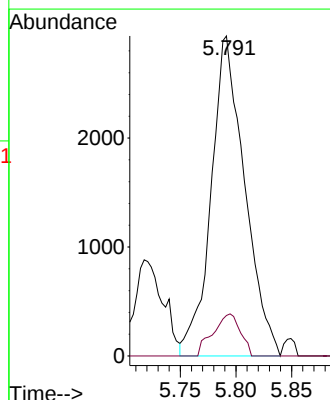
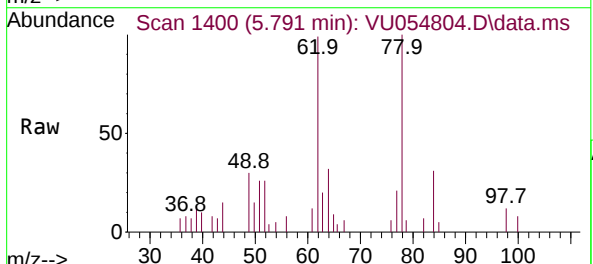
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

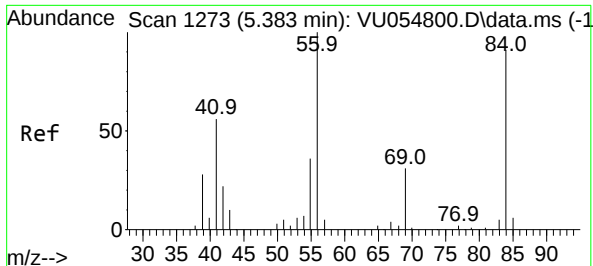
Tgt Ion: 83 Resp: 8742
Ion Ratio Lower Upper
83 100
85 59.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 2.658 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 62 Resp: 6164
Ion Ratio Lower Upper
62 100
98 12.7 7.5 11.3#





#29

Cyclohexane

Concen: 2.588 ug/L

RT: 5.386 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

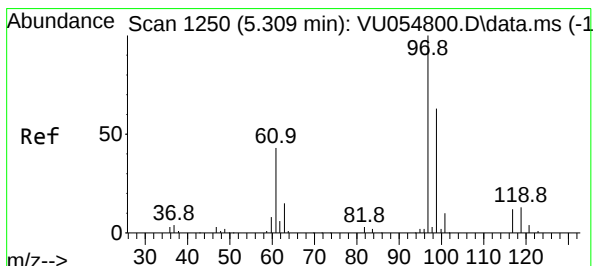
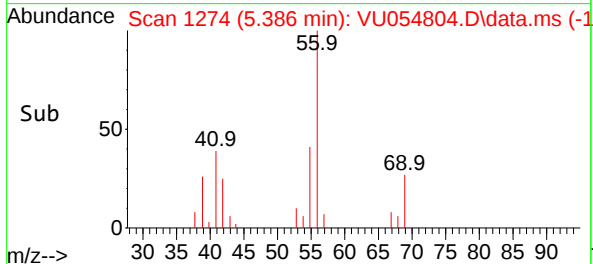
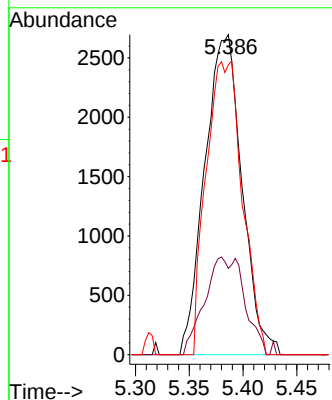
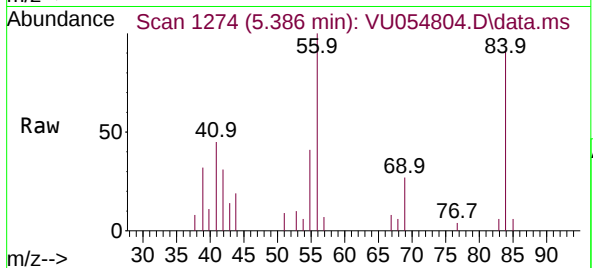
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion:	56	Resp:	6496
Ion	Ratio	Lower	Upper
56	100		
69	19.7	25.8	38.8#
84	48.4	75.9	113.9#



#30

1,1,1-Trichloroethane

Concen: 2.797 ug/L

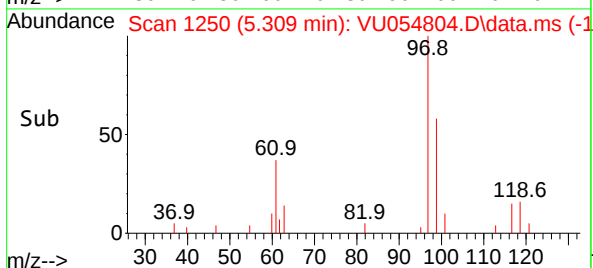
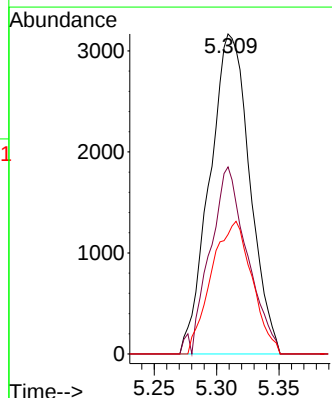
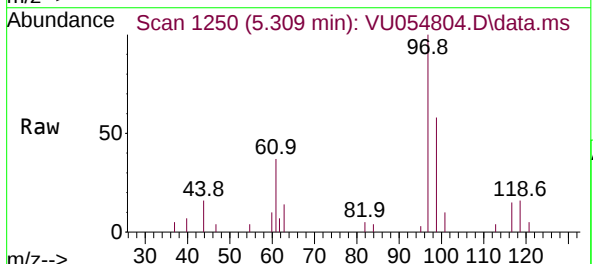
RT: 5.309 min Scan# 1250

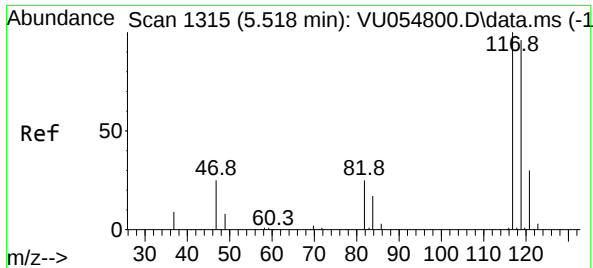
Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Tgt Ion:	97	Resp:	7087
Ion	Ratio	Lower	Upper
97	100		
99	53.5	52.0	78.0
61	42.1	34.3	51.5

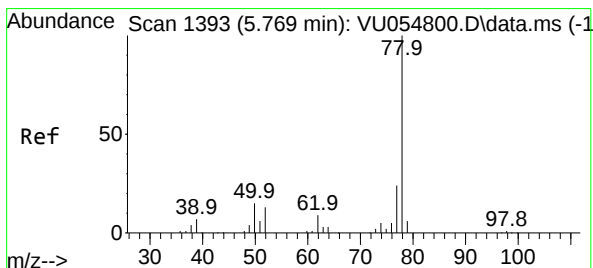
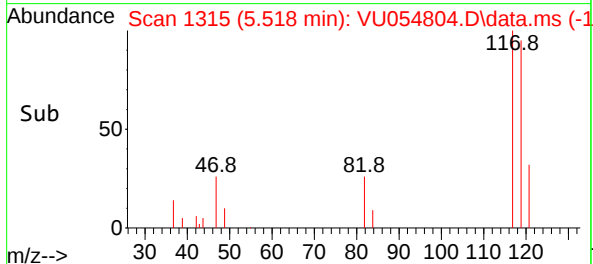
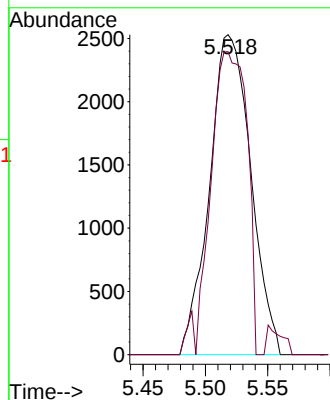
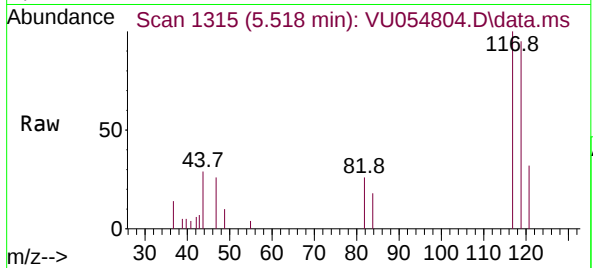




#31
Carbon tetrachloride
Concen: 2.668 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

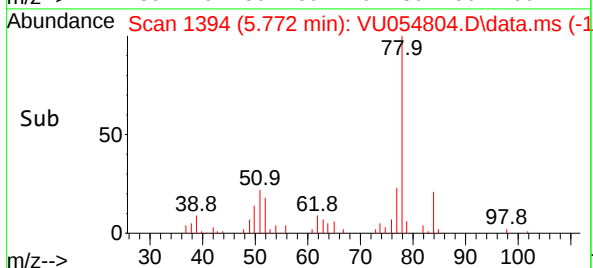
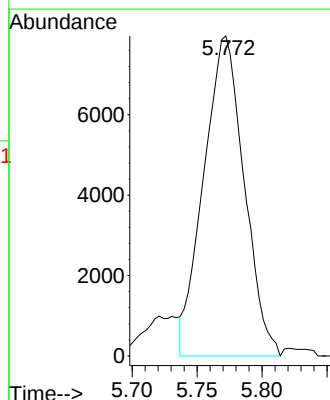
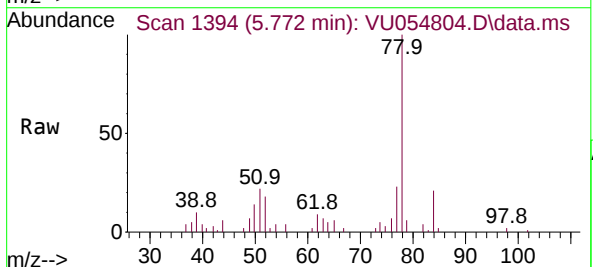
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

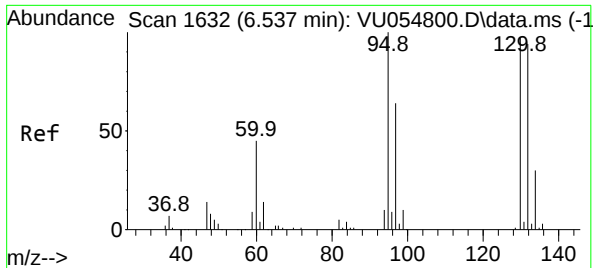
Tgt Ion:117 Resp: 5837
Ion Ratio Lower Upper
117 100
119 57.4 77.4 116.2#



#33
Benzene
Concen: 2.626 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 78 Resp: 17175



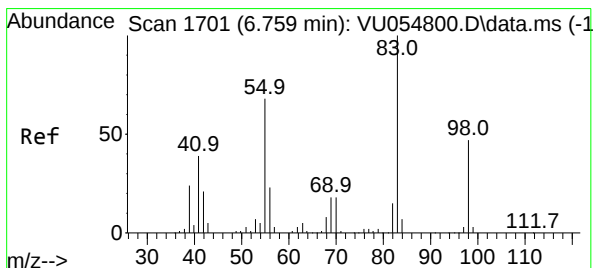
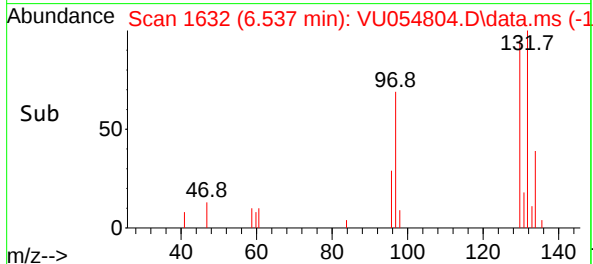
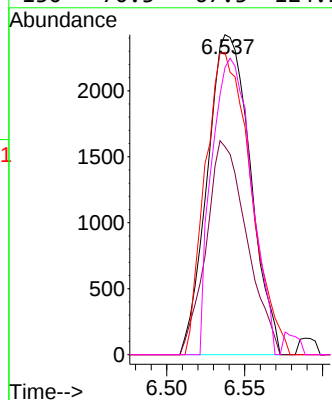
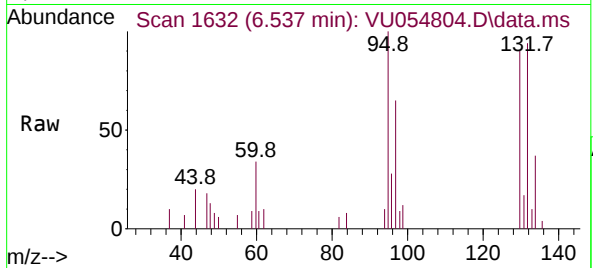


#34
Trichloroethene
Concen: 2.797 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 95 Resp: 4656

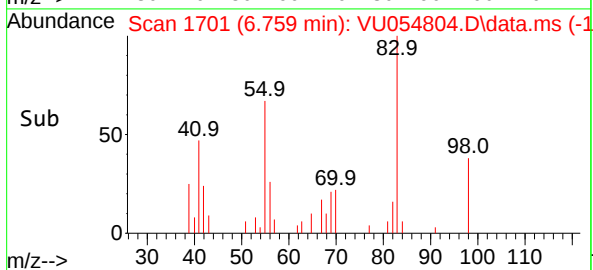
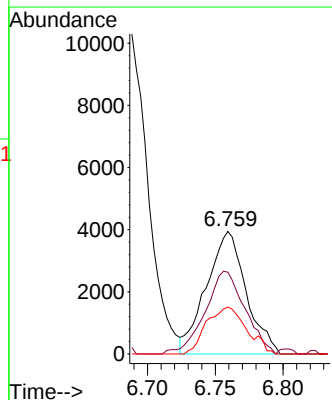
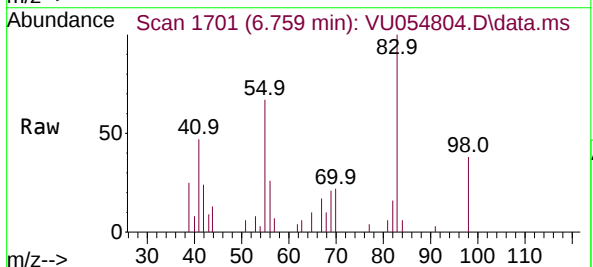
Ion	Ratio	Lower	Upper
95	100		
97	50.9	44.0	81.8
132	74.0	67.9	126.1
130	70.3	67.3	124.9

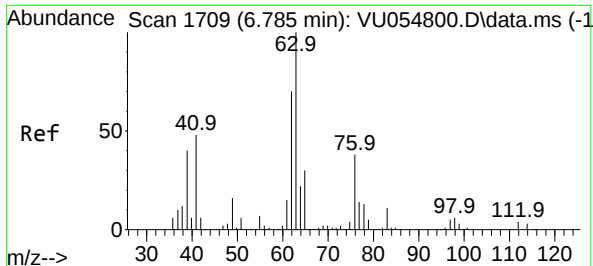


#35
Methylcyclohexane
Concen: 2.951 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 83 Resp: 8028

Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.8	83.8
98	35.6	38.6	58.0#





#37

1,2-Dichloropropane

Concen: 2.581 ug/L

RT: 6.785 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

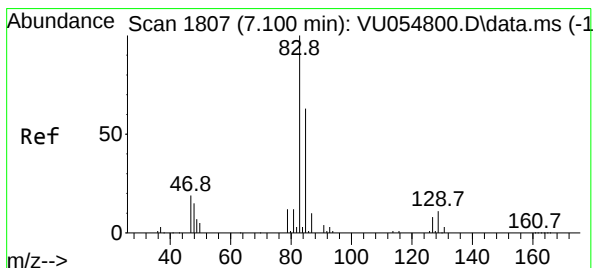
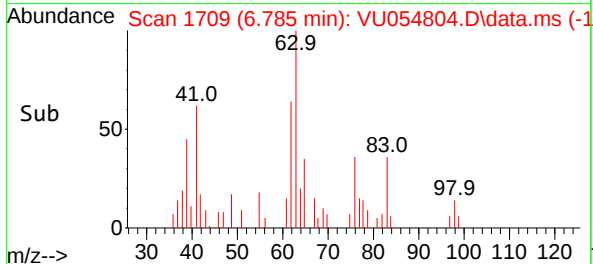
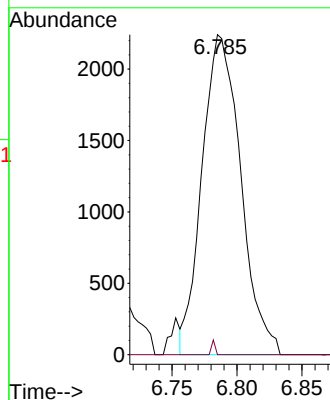
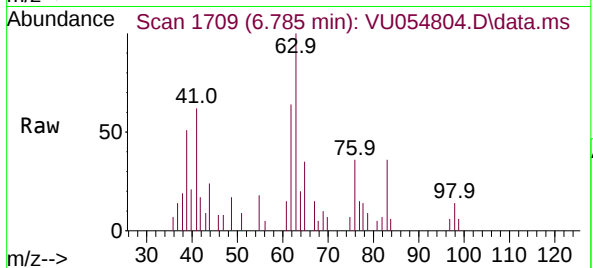
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 63 Resp: 4643

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#38

Bromodichloromethane

Concen: 2.690 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

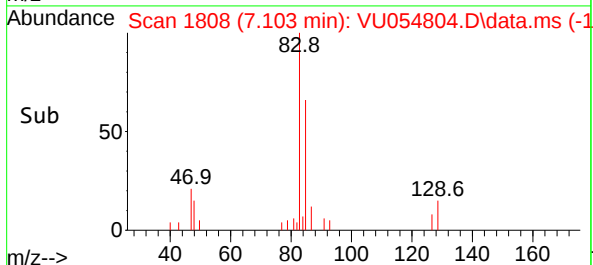
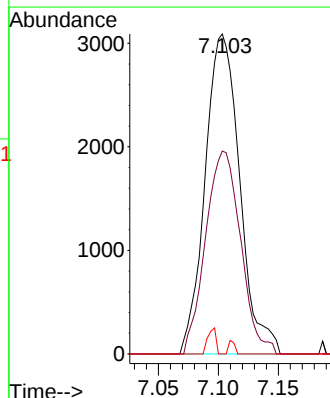
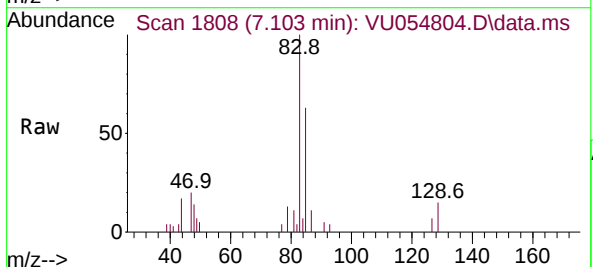
Tgt Ion: 83 Resp: 6208

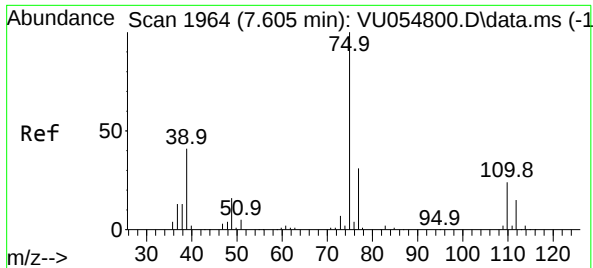
Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

127 0.0 7.2 10.8#

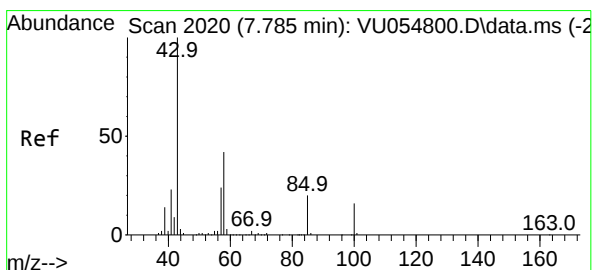
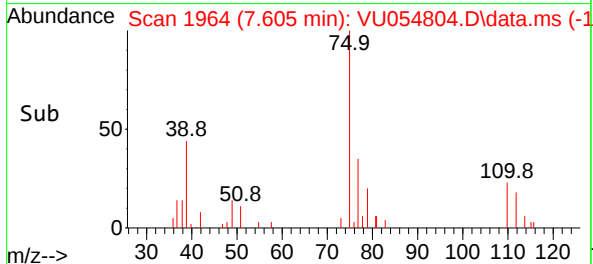
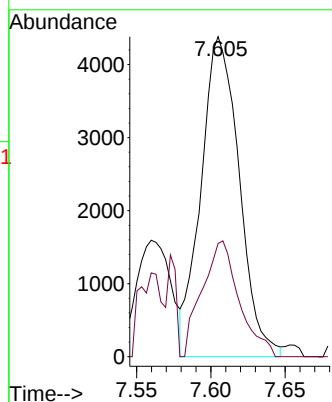
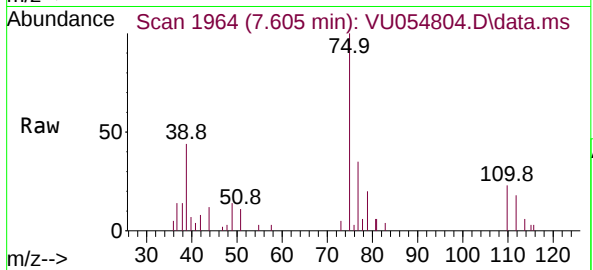




#39
 cis-1,3-Dichloropropene
 Concen: 2.641 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU054804.D
 Acq: 18 Jul 2023 13:16

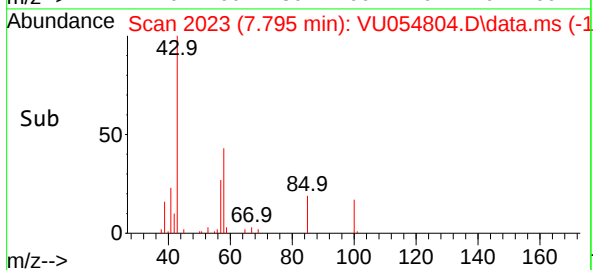
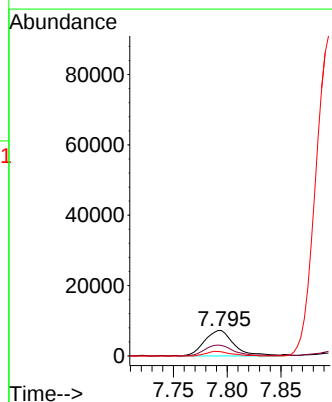
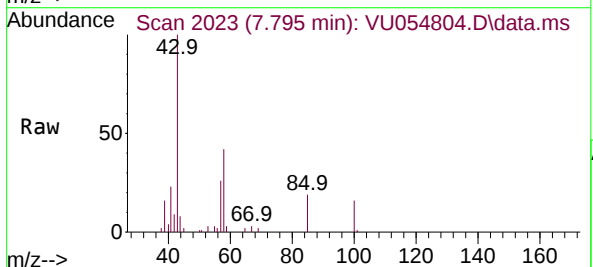
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT3-2023-06

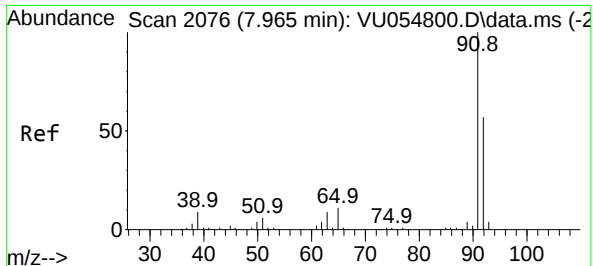
Tgt Ion: 75 Resp: 7836
 Ion Ratio Lower Upper
 75 100
 77 41.1 21.1 39.1#



#40
 4-Methyl-2-pentanone
 Concen: 5.039 ug/L
 RT: 7.795 min Scan# 2023
 Delta R.T. 0.010 min
 Lab File: VU054804.D
 Acq: 18 Jul 2023 13:16

Tgt Ion: 43 Resp: 13878
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.7 50.5
 100 15.3 13.0 19.4





#42

Toluene

Concen: 2.641 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

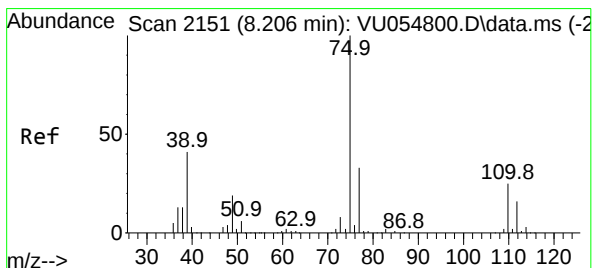
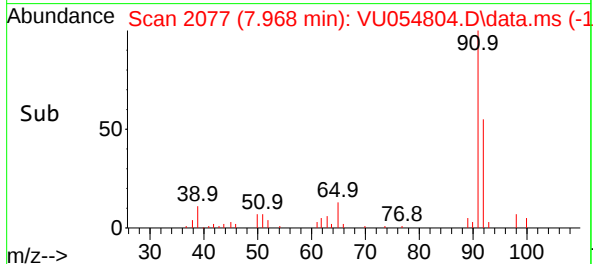
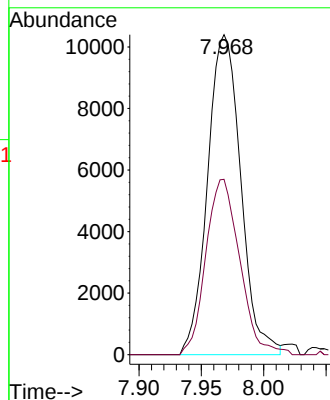
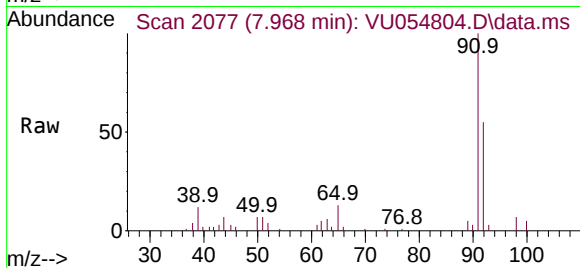
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 91 Resp: 19330

Ion Ratio Lower Upper

91 100

92 54.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 2.631 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054804.D

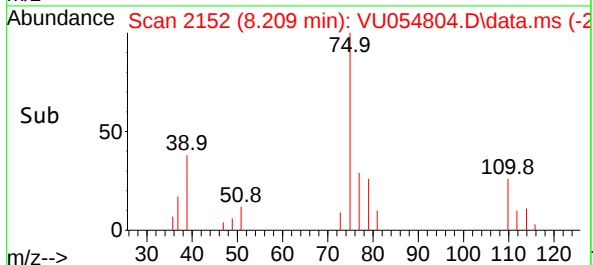
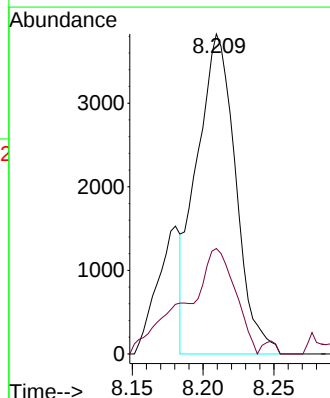
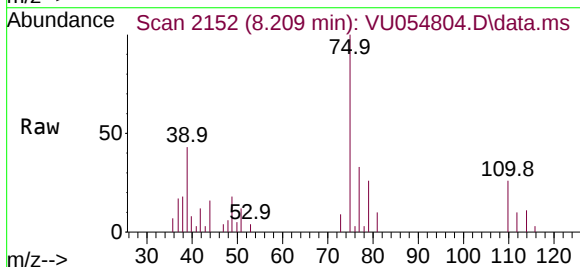
Acq: 18 Jul 2023 13:16

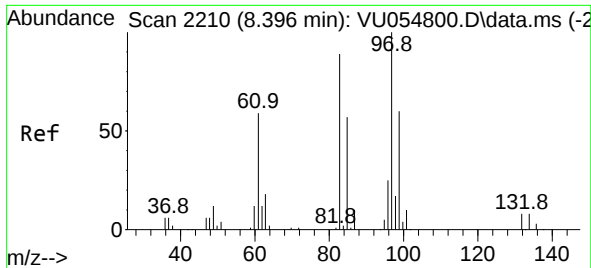
Tgt Ion: 75 Resp: 7333

Ion Ratio Lower Upper

75 100

77 33.0 22.7 42.1

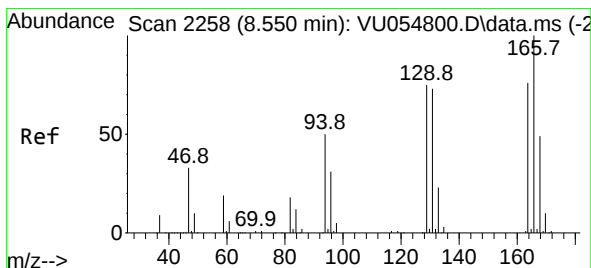
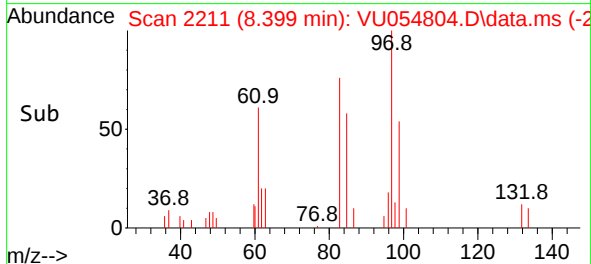
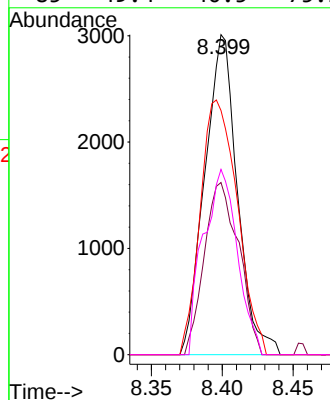
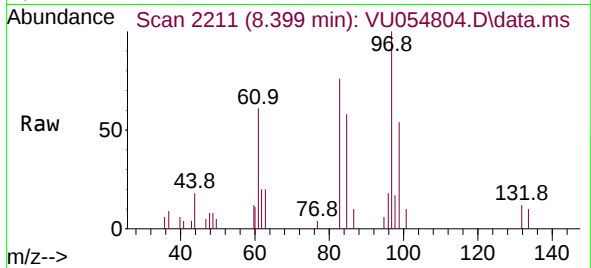




#45
1,1,2-Trichloroethane
Concen: 2.628 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

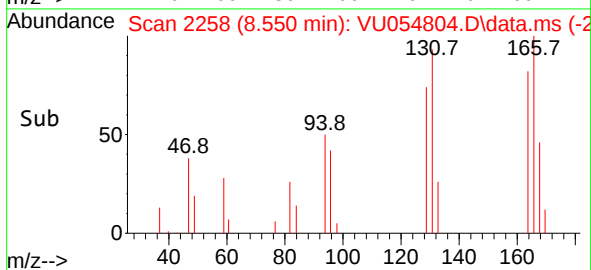
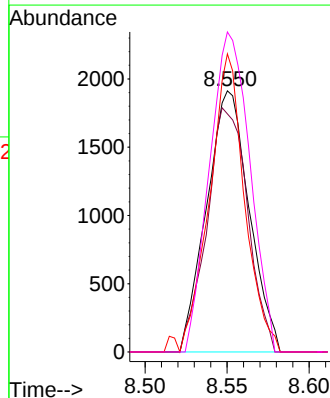
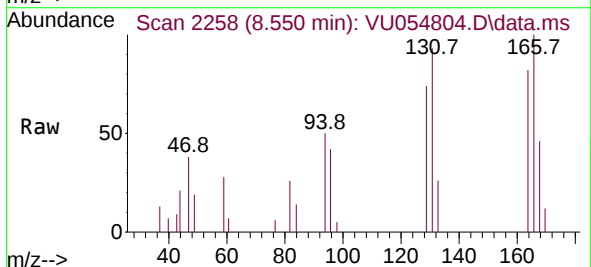
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

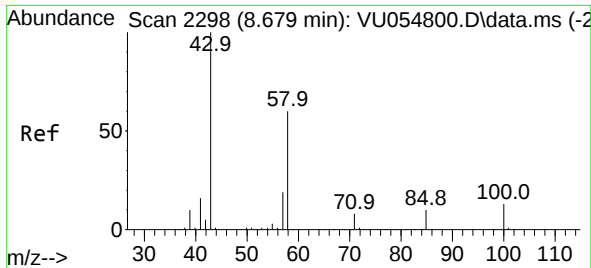
Tgt Ion:	97	Resp:	4820
Ion	Ratio	Lower	Upper
97	100		
99	46.0	43.3	80.5
83	65.1	60.6	112.6
85	49.4	40.5	75.3



#46
Tetrachloroethene
Concen: 2.697 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:	164	Resp:	3443
Ion	Ratio	Lower	Upper
164	100		
129	91.2	66.2	123.0
131	114.2	61.9	115.1
166	122.5	89.2	165.8

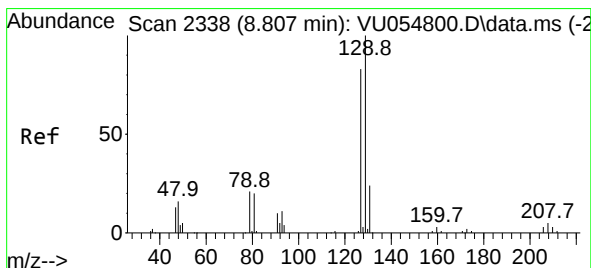
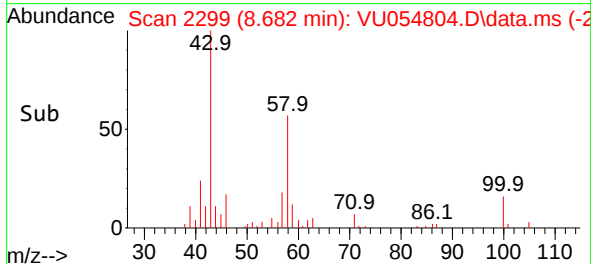
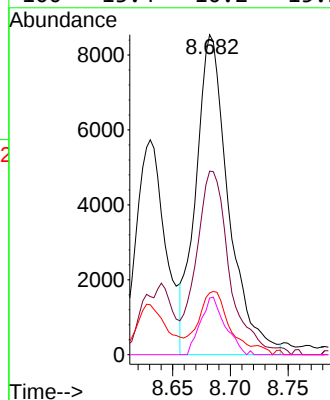
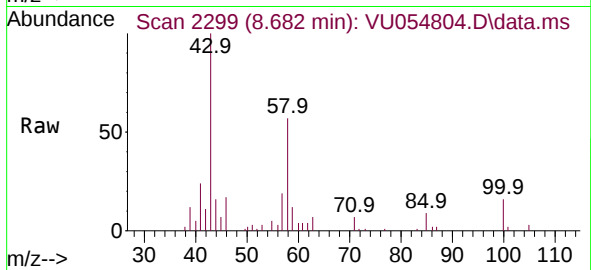




#48
2-Hexanone
Concen: 7.386 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

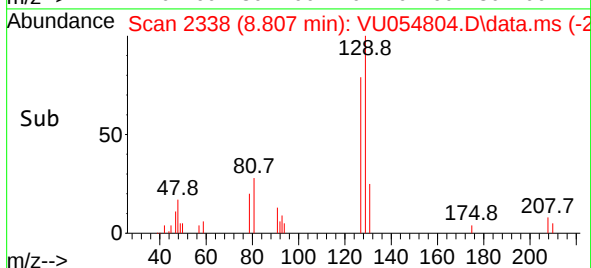
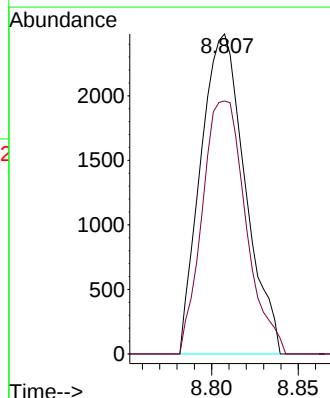
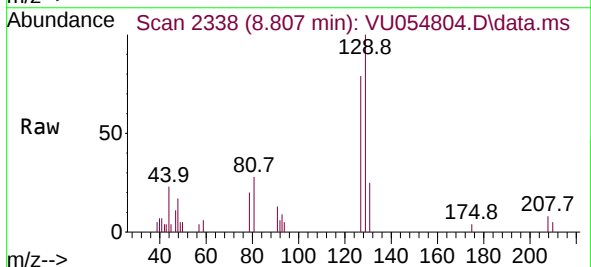
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

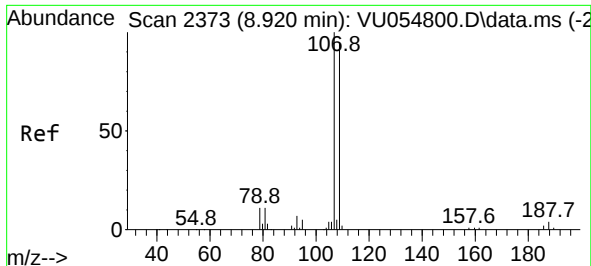
Tgt Ion:	43	Resp:	16853
Ion	Ratio	Lower	Upper
43	100		
58	57.9	46.5	69.7
57	15.0	15.4	23.2#
100	13.4	10.2	15.2



#49
Dibromochloromethane
Concen: 2.343 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:	129	Resp:	4426
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.681 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

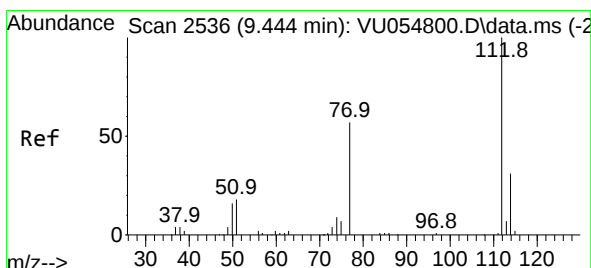
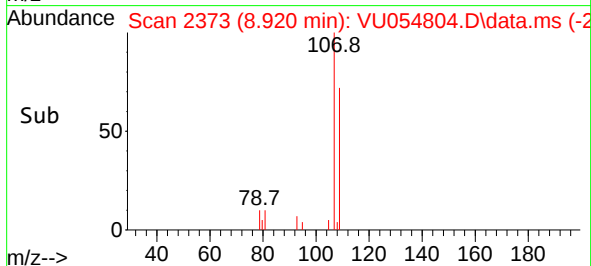
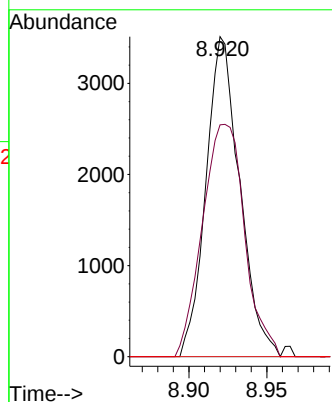
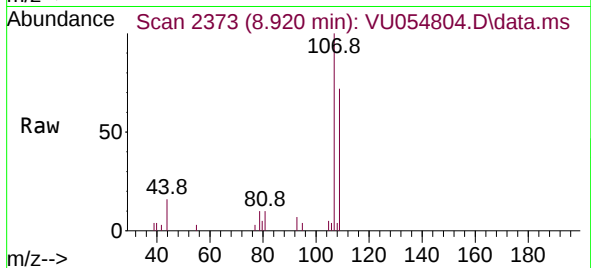
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion:	107	Resp:	5292
Ion Ratio	Lower	Upper	
107	100		
109	72.5	62.5	116.1
188	0.0	2.6	4.0#



#51

Chlorobenzene

Concen: 2.792 ug/L

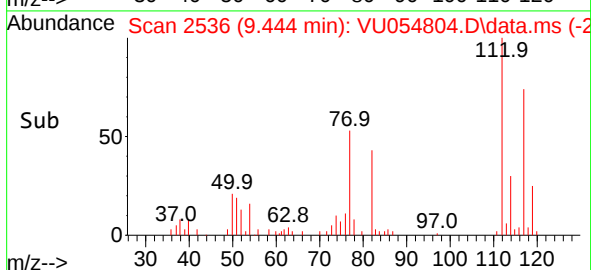
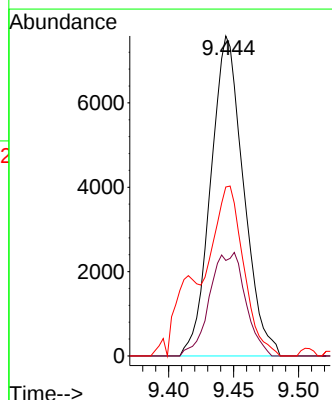
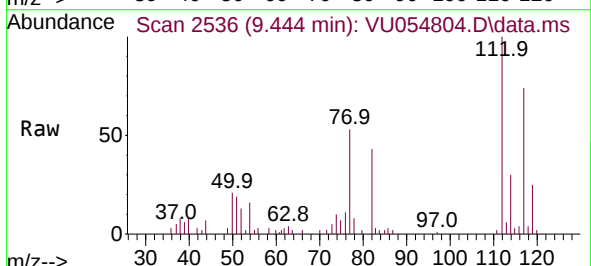
RT: 9.444 min Scan# 2536

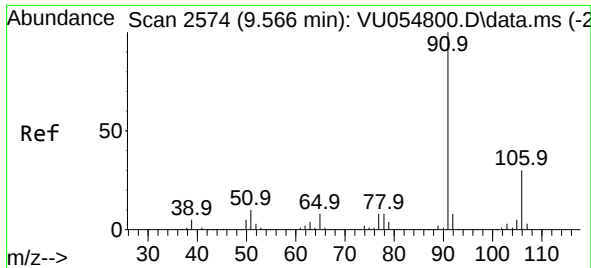
Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Tgt Ion:	112	Resp:	13295
Ion Ratio	Lower	Upper	
112	100		
114	32.5	22.3	41.5
77	52.8	44.2	66.4

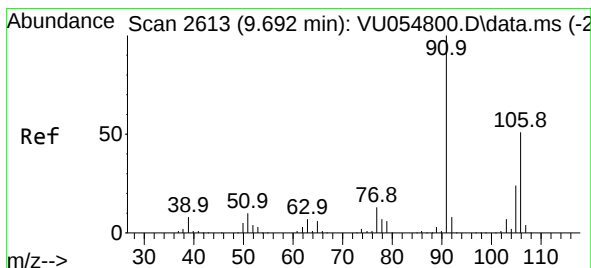
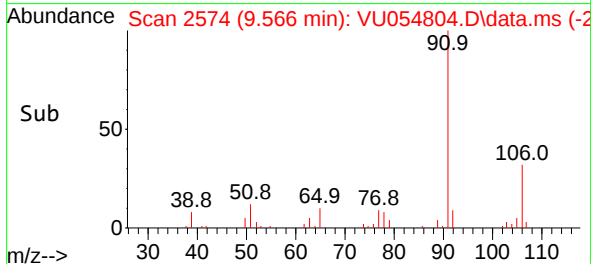
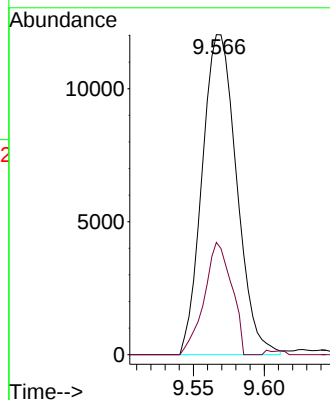
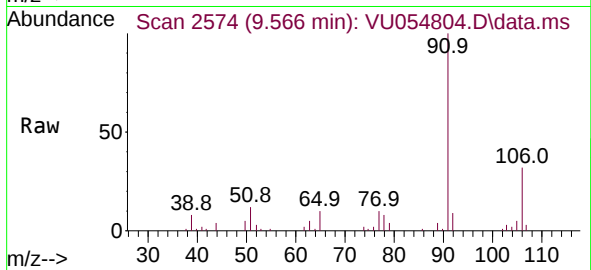




#52
Ethylbenzene
Concen: 2.406 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

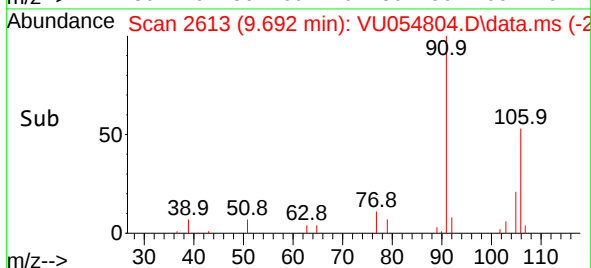
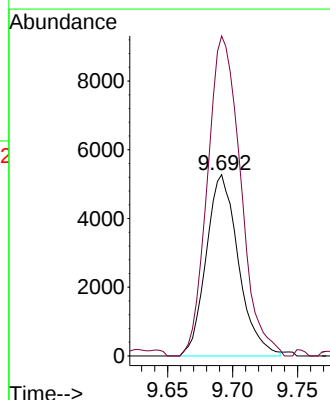
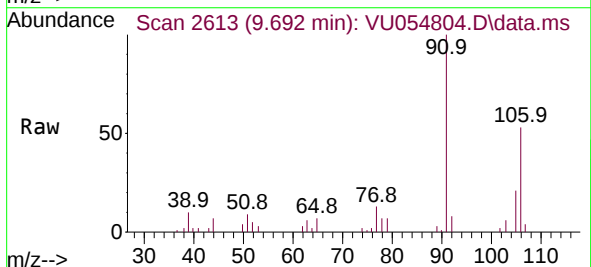
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

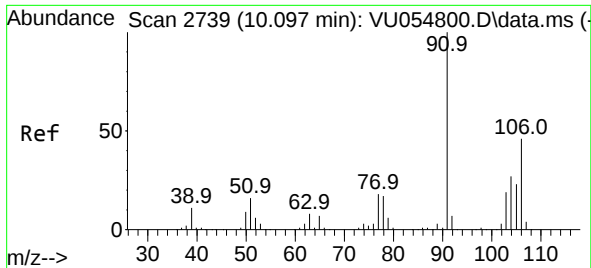
Tgt Ion: 91 Resp: 20361
Ion Ratio Lower Upper
91 100
106 35.1 23.5 43.7



#53
m,p-Xylene
Concen: 2.831 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion: 106 Resp: 9119
Ion Ratio Lower Upper
106 100
91 176.6 133.3 247.7

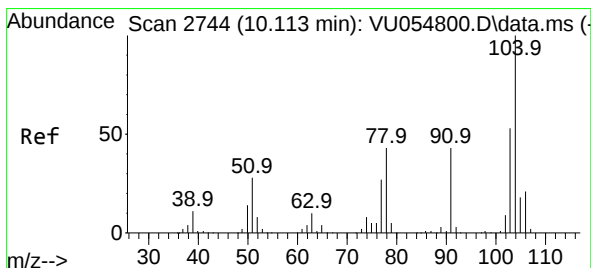
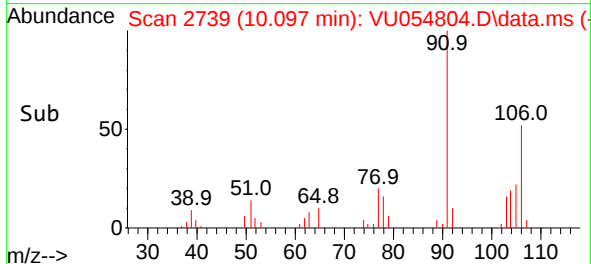
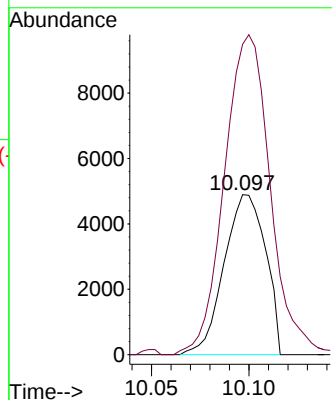
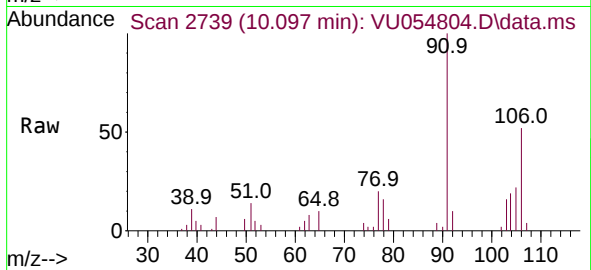




#54
o-Xylene
Concen: 2.212 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

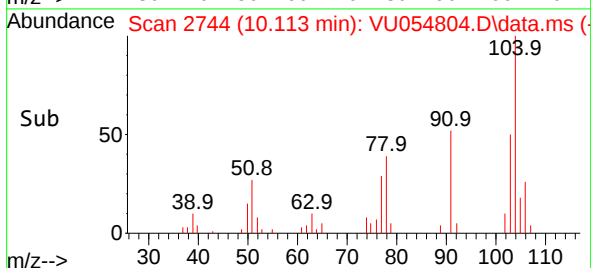
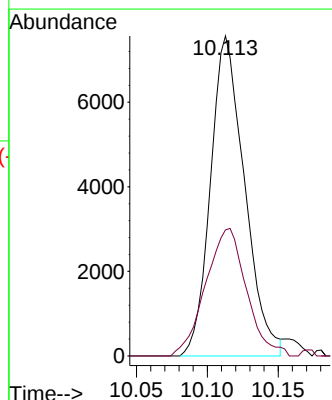
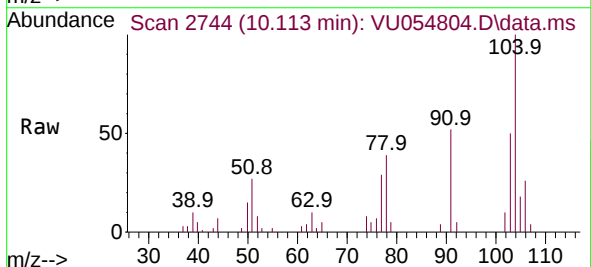
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

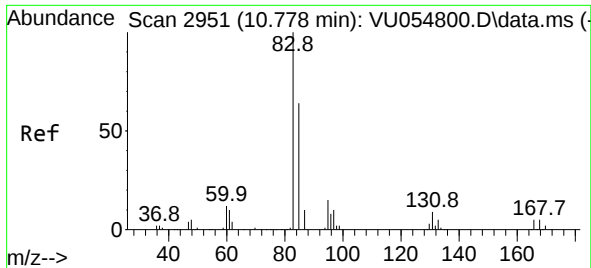
Tgt Ion:106 Resp: 7239
Ion Ratio Lower Upper
106 100
91 194.0 142.0 263.8



#55
Styrene
Concen: 2.218 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:104 Resp: 12641
Ion Ratio Lower Upper
104 100
78 44.6 30.7 57.1

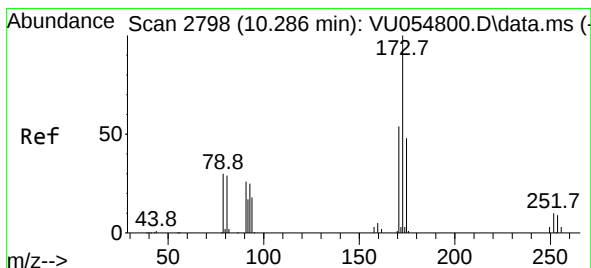
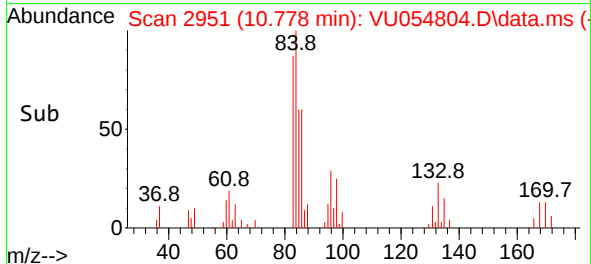
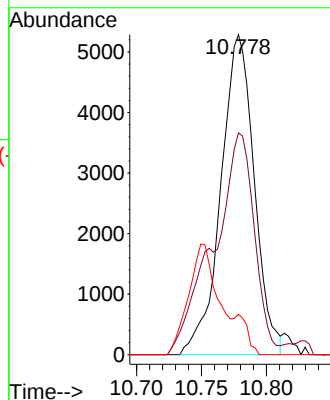
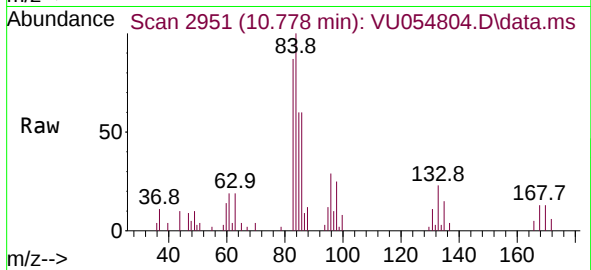




#57
1,1,2,2-Tetrachloroethane
Concen: 2.610 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

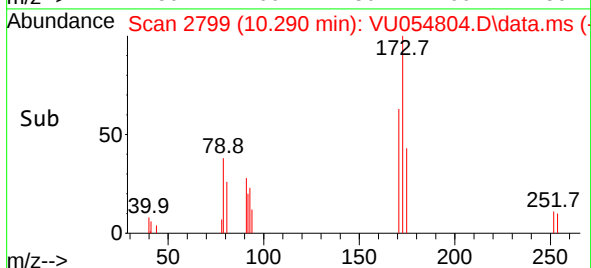
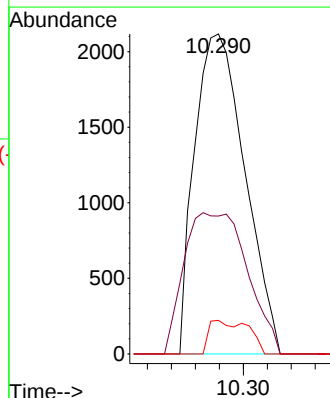
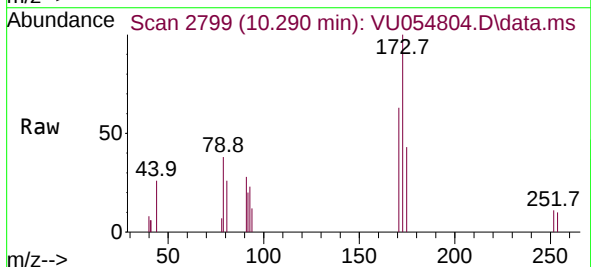
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

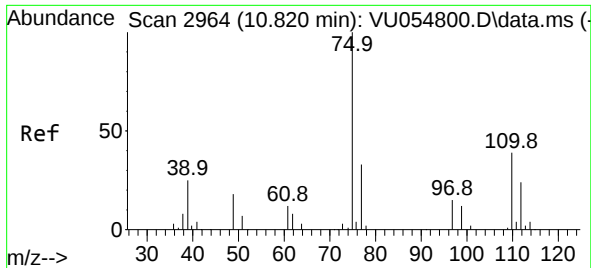
Tgt Ion:	83	Resp:	9449
Ion	Ratio	Lower	Upper
83	100		
85	69.3	43.8	81.4
131	12.6	8.7	13.1



#59
Bromoform
Concen: 2.075 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.003 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:	173	Resp:	3078
Ion	Ratio	Lower	Upper
173	100		
175	31.8	38.8	58.2#
254	5.0	2.4	3.6#

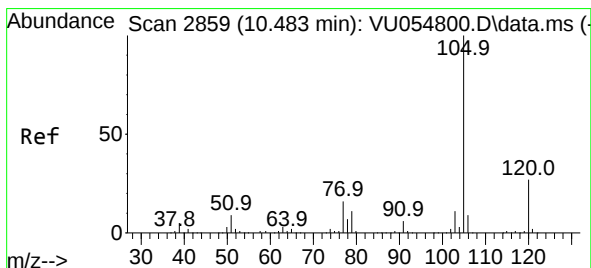
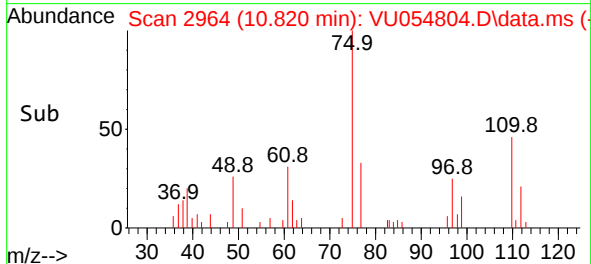
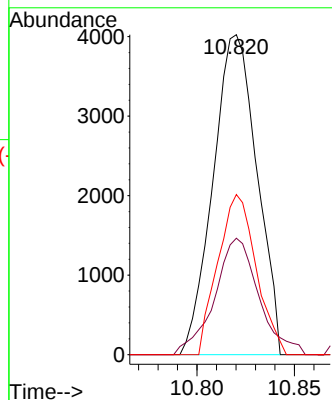
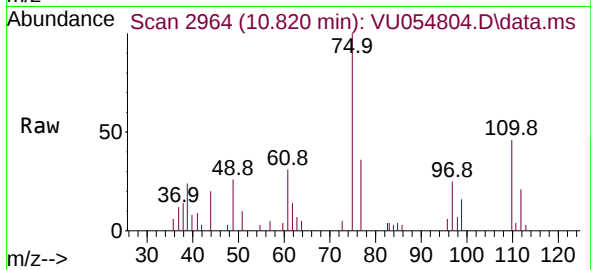




#60
1,2,3-Trichloropropane
Concen: 2.729 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

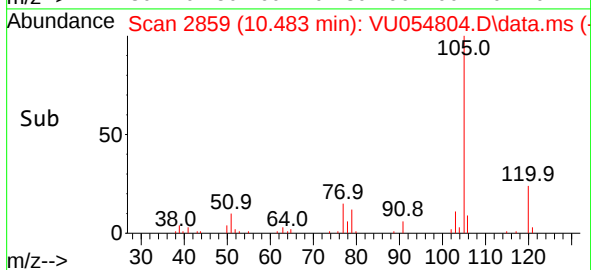
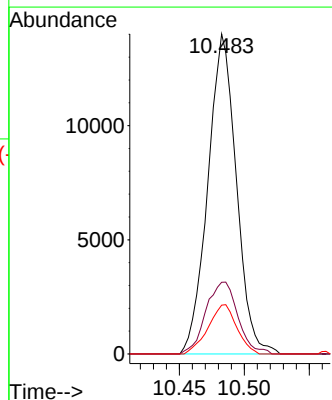
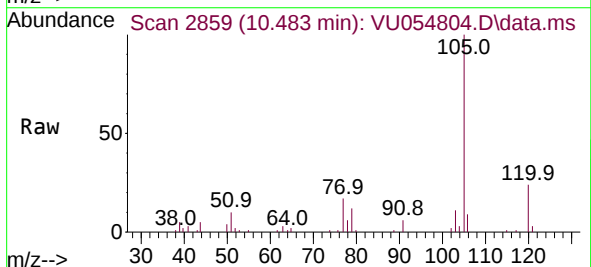
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

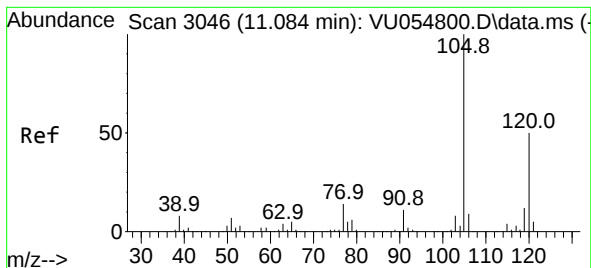
Tgt Ion:	75	Resp:	6314
Ion	Ratio	Lower	Upper
75	100		
77	36.7	26.2	39.4
110	43.5	29.9	44.9



#61
Isopropylbenzene
Concen: 2.727 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054804.D
Acq: 18 Jul 2023 13:16

Tgt Ion:	105	Resp:	21365
Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.4	32.0
77	15.5	12.8	19.2





#62

1,3,5-Trimethylbenzene

Concen: 2.480 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

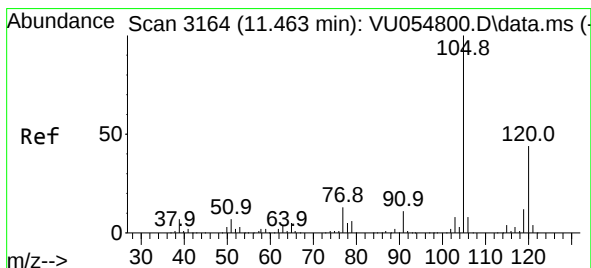
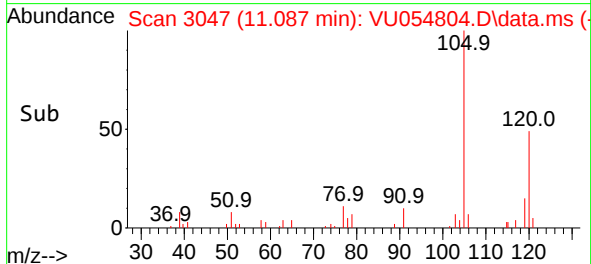
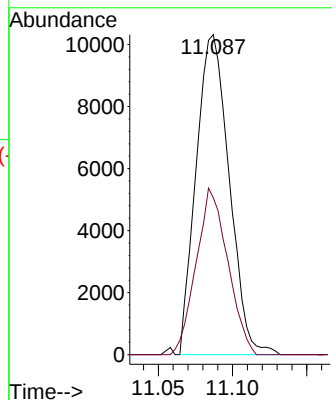
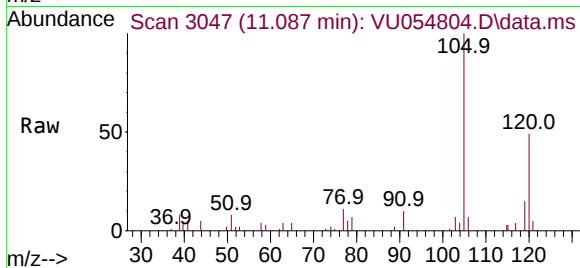
MDL-MED-SOIL-QT3-2023-06

Tgt Ion:105 Resp: 16002

Ion Ratio Lower Upper

105 100

120 49.6 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 2.594 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU054804.D

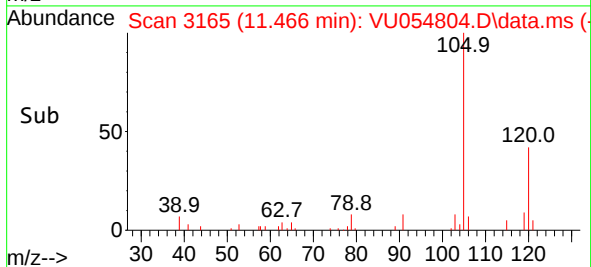
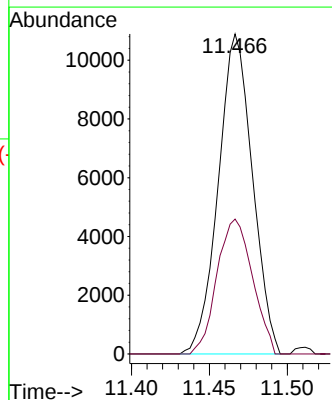
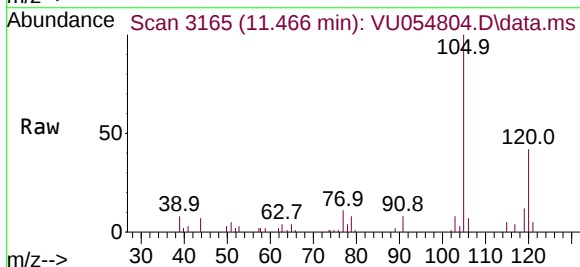
Acq: 18 Jul 2023 13:16

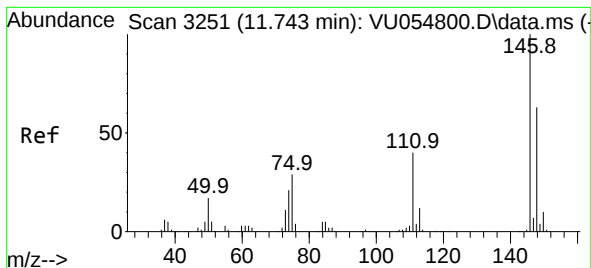
Tgt Ion:105 Resp: 16592

Ion Ratio Lower Upper

105 100

120 43.8 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 2.207 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

Lab File: VU054804.D

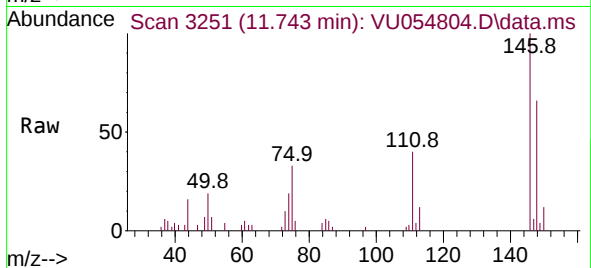
Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06



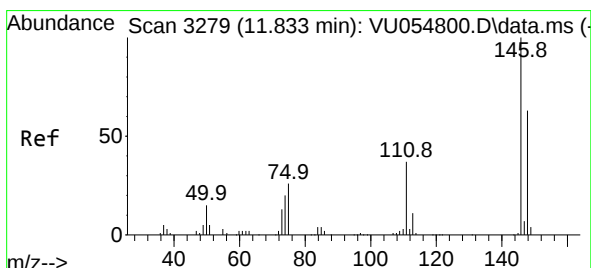
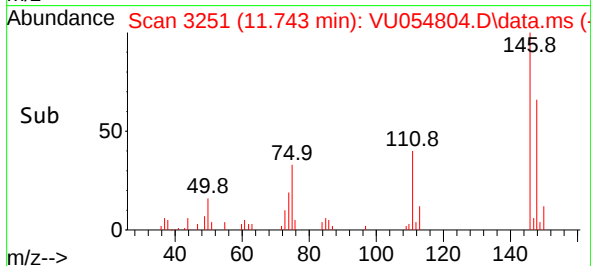
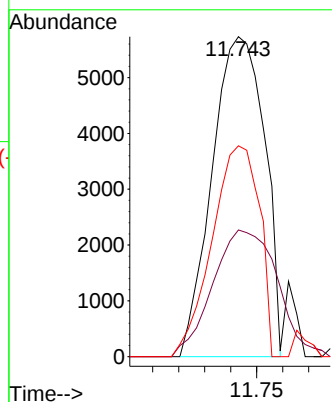
Tgt Ion:146 Resp: 8020

Ion Ratio Lower Upper

146 100

111 43.9 25.2 46.8

148 70.3 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 2.711 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

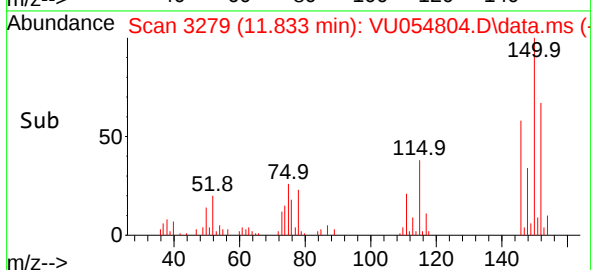
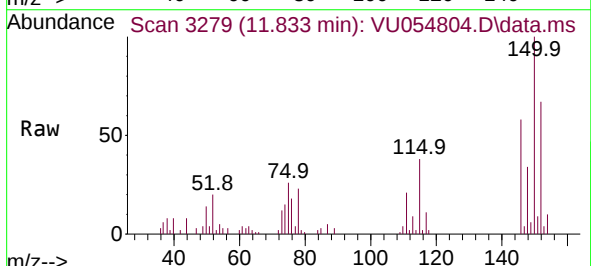
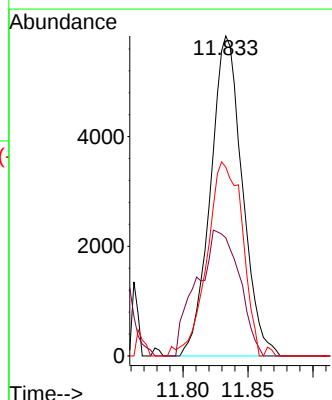
Tgt Ion:146 Resp: 9924

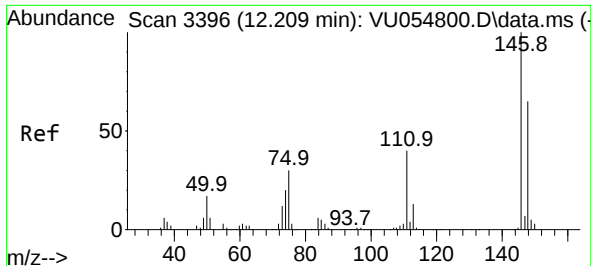
Ion Ratio Lower Upper

146 100

111 38.3 24.1 44.8

148 64.9 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 2.531 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU054804.D

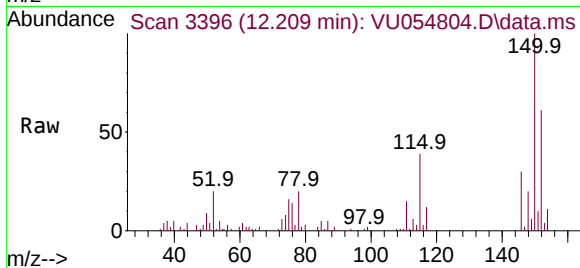
Acq: 18 Jul 2023 13:16

Instrument :

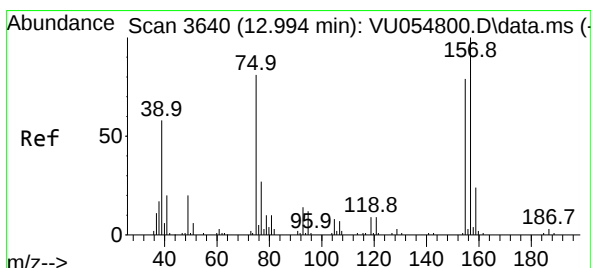
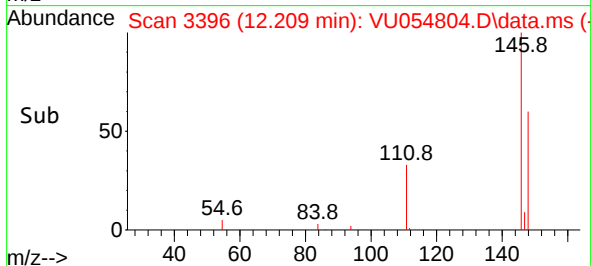
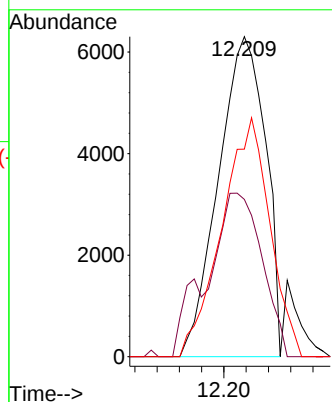
MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06



Tgt Ion:	146	Resp:	9240
Ion	Ratio	Lower	Upper
146	100		
111	49.0	31.5	47.3#
148	60.1	53.5	80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.268 ug/L

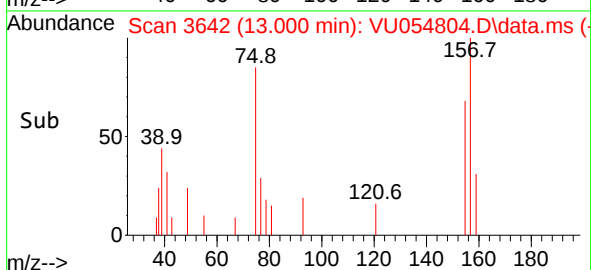
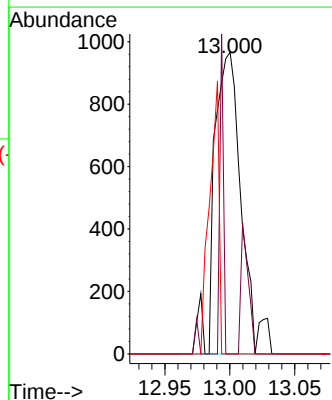
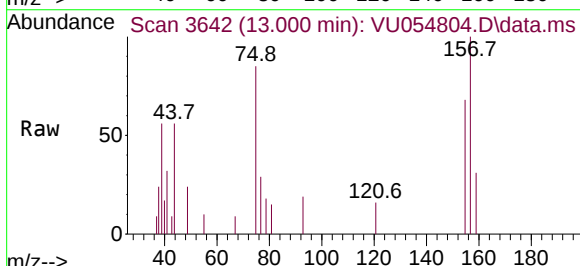
RT: 13.000 min Scan# 3642

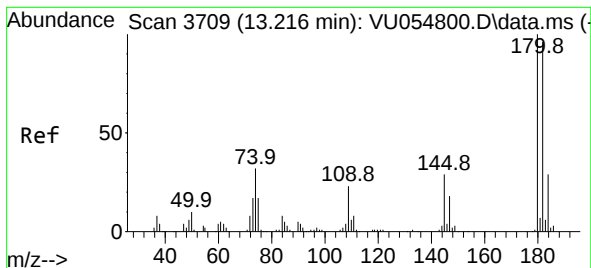
Delta R.T. 0.006 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Tgt Ion:	75	Resp:	1403
Ion	Ratio	Lower	Upper
75	100		
155	0.0	80.6	121.0#
157	0.0	106.5	159.7#





#69

1,3,5-Trichlorobenzene

Concen: 2.484 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:180 Resp: 6050

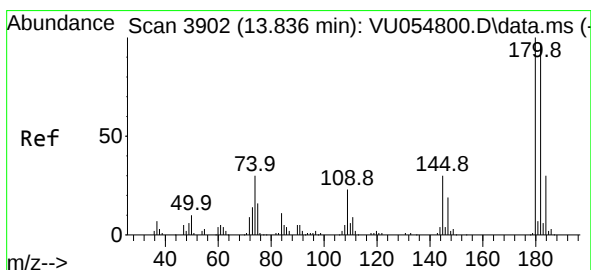
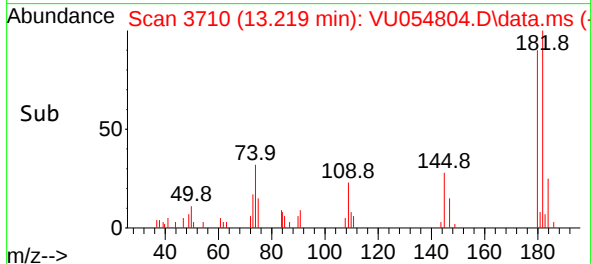
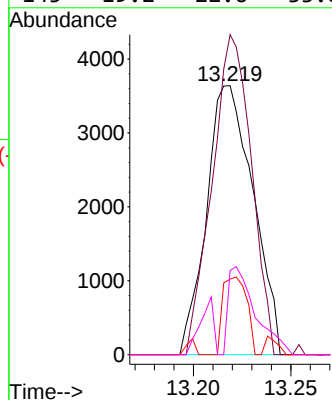
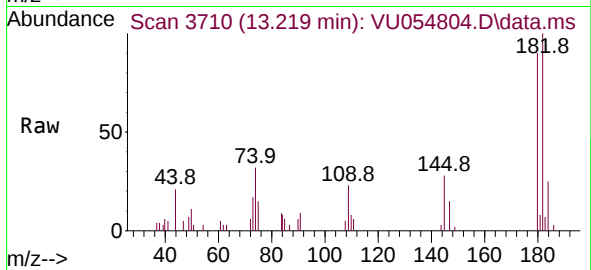
Ion Ratio Lower Upper

180 100

182 100.3 76.7 115.1

184 14.8 23.4 35.0#

145 19.2 22.6 33.8#



#70

1,2,4-trichlorobenzene

Concen: 2.615 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

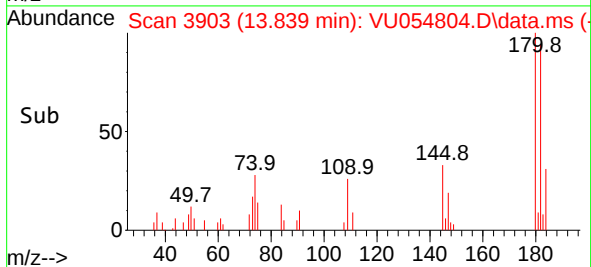
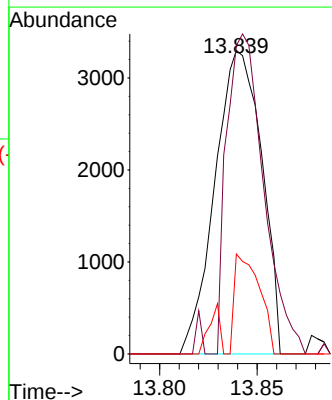
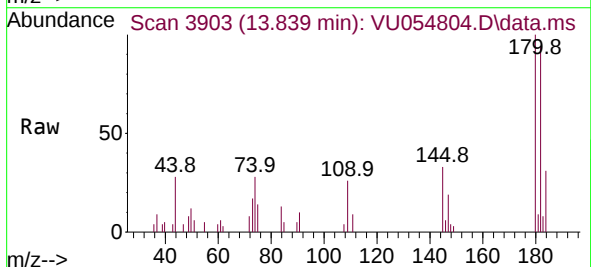
Tgt Ion:180 Resp: 5499

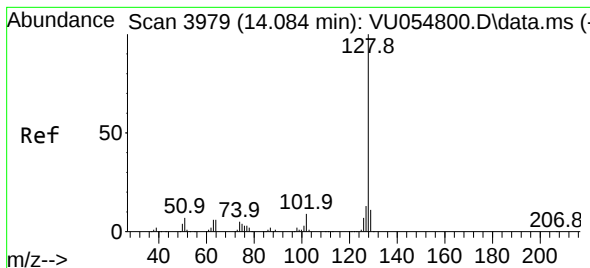
Ion Ratio Lower Upper

180 100

182 83.4 76.8 115.2

145 17.7 23.0 34.6#





#71

Naphthalene

Concen: 2.749 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

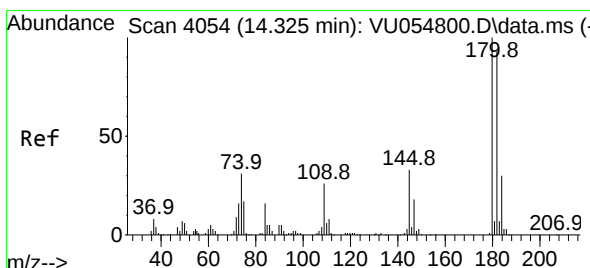
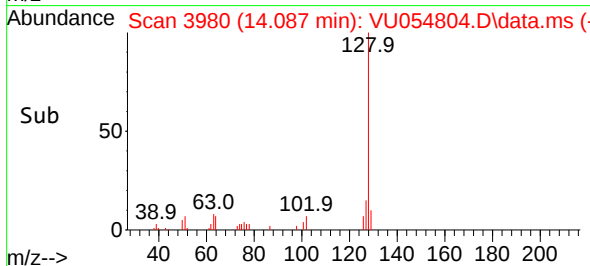
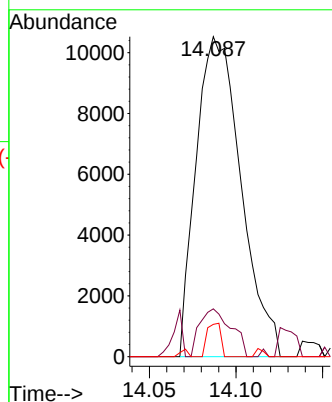
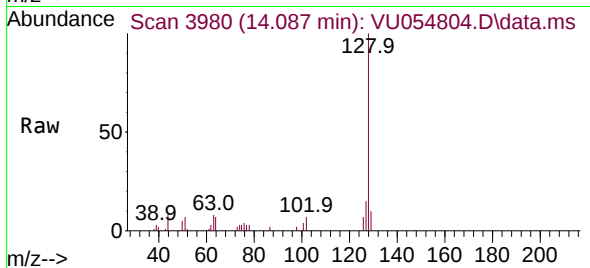
Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	128	Resp:	18974
Ion Ratio	Lower	Upper	
128	100		
127	10.5	10.0	15.0
129	3.2	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 2.679 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054804.D

Acq: 18 Jul 2023 13:16

Tgt Ion:	180	Resp:	5487
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.6	115.0
145	19.5	25.4	38.2

