

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U0040623\
 Data File : U0053589.D
 Acq On : 06 Apr 2023 12:54
 Operator : JC/MD
 Sample : 02215-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 07 03:45:58 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	250684	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	237107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124390	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96954	49.670	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.340%		
7) Chloroethane-d5	1.909	69	78087	51.884	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.760%		
11) 1,1-Dichloroethene-d2	2.565	63	116086	38.419	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.840%		
21) 2-Butanone-d5	4.613	46	104424	118.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.160%		
24) Chloroform-d	5.057	84	155028	48.023	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.040%		
26) 1,2-Dichloroethane-d4	5.697	65	103863	54.448	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.900%		
32) Benzene-d6	5.723	84	320912	50.141	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.280%		
36) 1,2-Dichloropropane-d6	6.687	67	101661	51.968	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.940%		
41) Toluene-d8	7.893	98	305593	48.040	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.080%		
43) trans-1,3-Dichloroprop...	8.176	79	49092	48.616	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.240%		
47) 2-Hexanone-d5	8.629	63	76827	115.073	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.070%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141846	51.445	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.900%		
66) 1,2-Dichlorobenzene-d4	12.188	152	121029	46.613	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	3681	1.809	ug/L	96
3) Chloromethane	1.520	50	4049	2.422	ug/L	97
5) Vinyl chloride	1.604	62	4541	2.344	ug/L #	61
6) Bromomethane	1.851	94	2984	2.117	ug/L	91
8) Chloroethane	1.932	64	2761	2.369	ug/L	95
9) Trichlorofluoromethane	2.137	101	5757	1.932	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	4098	2.374	ug/L #	79
12) 1,1-Dichloroethene	2.572	96	4058	2.638	ug/L #	1
13) Acetone	2.623	43	3055	3.846	ug/L	78
14) Carbon disulfide	2.790	76	7798	1.916	ug/L	96
15) Methyl Acetate	2.945	43	2859	2.350	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	2208	1.428	ug/L	88
18) Methyl tert-butyl Ether	3.359	73	8929	1.982	ug/L	94
19) 1,1-Dichloroethane	3.870	63	5072	1.981	ug/L #	92
20) cis-1,2-Dichloroethene	4.665	96	3786	2.120	ug/L	95
22) 2-Butanone	4.706	43	2686	2.791	ug/L #	68
23) Bromochloromethane	4.973	128	1732	1.741	ug/L #	84
25) Chloroform	5.083	83	7899	2.689	ug/L	89
27) 1,2-Dichloroethane	5.787	62	5033	2.340	ug/L	97

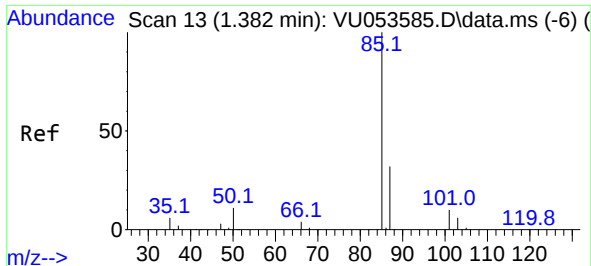
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 Acq On : 06 Apr 2023 12:54
 Operator : JC/MD
 Sample : 02215-05
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 07 03:45:58 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)
29) Cyclohexane	5.385	56	4465	1.956	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	4667	1.786	ug/L	95
31) Carbon tetrachloride	5.526	117	3988	1.704	ug/L	99
33) Benzene	5.774	78	12784	2.069	ug/L	100
34) Trichloroethene	6.539	95	3616	1.935	ug/L	90
35) Methylcyclohexane	6.758	83	5660	2.061	ug/L #	82
37) 1,2-Dichloropropane	6.790	63	3479	2.218	ug/L #	86
38) Bromodichloromethane	7.102	83	3764	1.799	ug/L	92
39) cis-1,3-Dichloropropene	7.607	75	5027	1.961	ug/L	85
40) 4-Methyl-2-pentanone	7.790	43	6885	4.039	ug/L	99
42) Toluene	7.967	91	13286	1.898	ug/L	94
44) trans-1,3-Dichloropropene	8.208	75	4390	1.812	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	3620	2.102	ug/L	95
46) Tetrachloroethene	8.549	164	3059	1.973	ug/L	92
48) 2-Hexanone	8.681	43	8195	5.943	ug/L	96
49) Dibromochloromethane	8.806	129	2880	1.608	ug/L	100
50) 1,2-Dibromoethane	8.922	107	3543	1.839	ug/L #	98
51) Chlorobenzene	9.446	112	9763	2.024	ug/L	92
52) Ethylbenzene	9.568	91	14407	1.849	ug/L	95
53) m,p-Xylene	9.690	106	5408	1.774	ug/L	97
54) o-xylene	10.099	106	5209	1.729	ug/L	79
55) Styrene	10.115	104	8861	1.805	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	5732	2.267	ug/L #	89
59) Bromoform	10.288	173	1939	1.523	ug/L #	91
60) 1,2,3-Trichloropropane	10.819	75	3975	2.204	ug/L	93
61) Isopropylbenzene	10.481	105	14057	1.911	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	11140	1.822	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	11158	1.843	ug/L	93
64) 1,3-Dichlorobenzene	11.745	146	7800	2.030	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	8451	2.158	ug/L	91
67) 1,2-Dichlorobenzene	12.208	146	7737	2.020	ug/L	91
69) 1,3,5-Trichlorobenzene	13.841	180	5595	1.966	ug/L	95
70) 1,2,4-trichlorobenzene	13.841	180	5595	2.121	ug/L	96
71) Naphthalene	14.089	128	16058	2.033	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	5264	1.998	ug/L	95

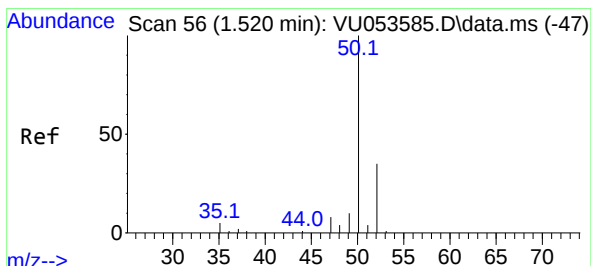
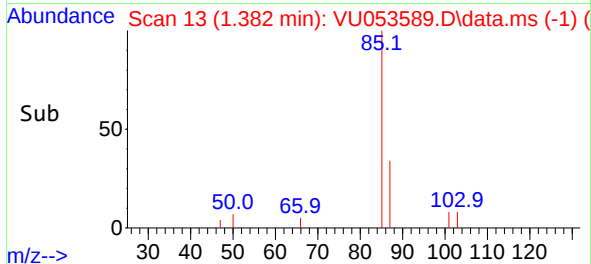
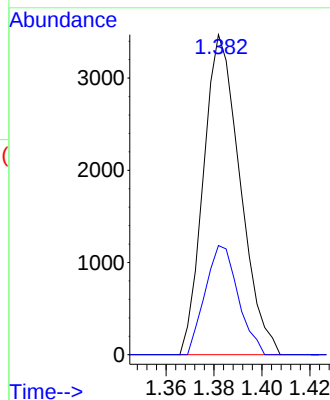
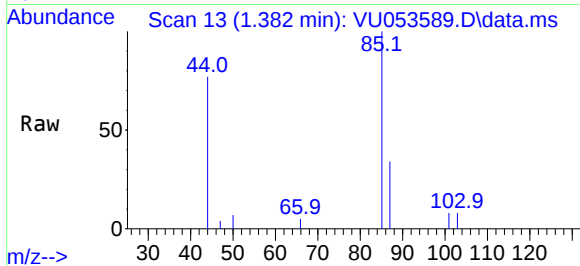
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#2
Dichlorodifluoromethane
Concen: 1.809 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

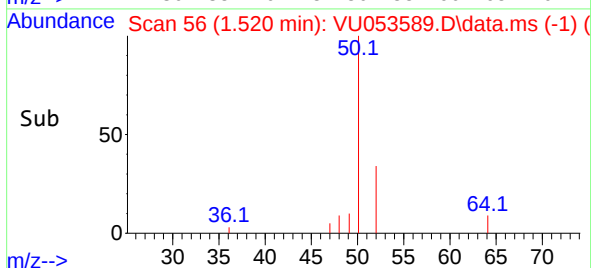
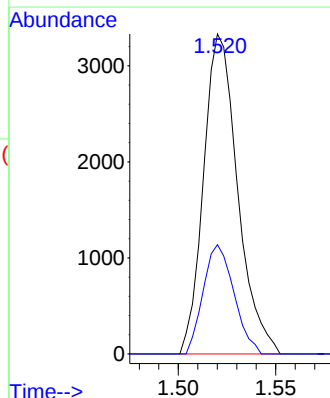
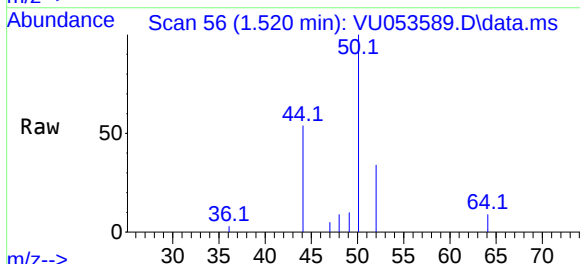
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

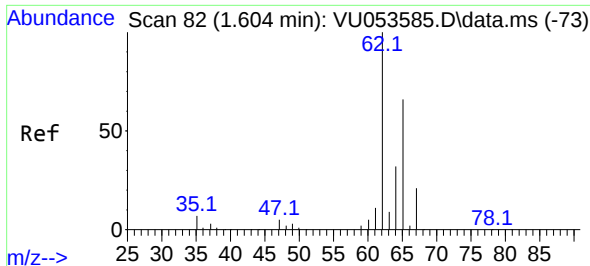
Tgt Ion: 85 Resp: 3681
Ion Ratio Lower Upper
85 100
87 30.7 26.4 39.6



#3
Chloromethane
Concen: 2.422 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 50 Resp: 4049
Ion Ratio Lower Upper
50 100
52 34.2 22.7 42.1

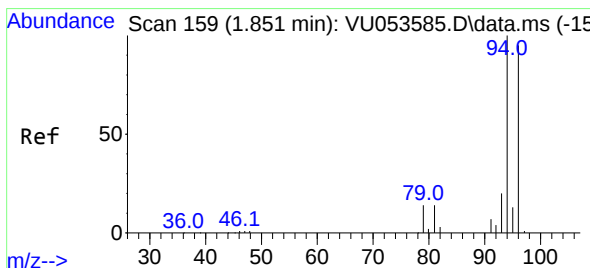
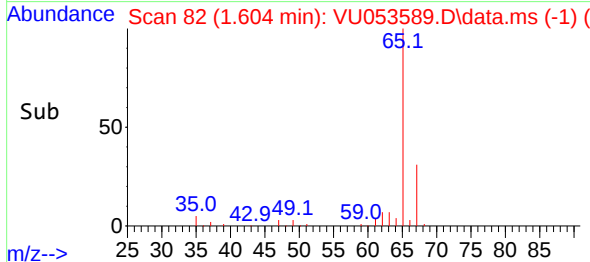
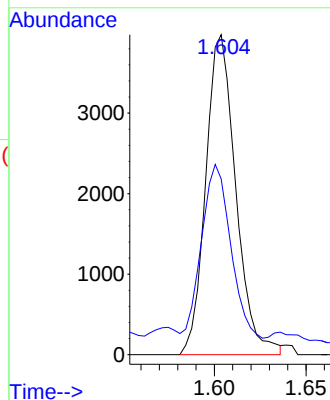
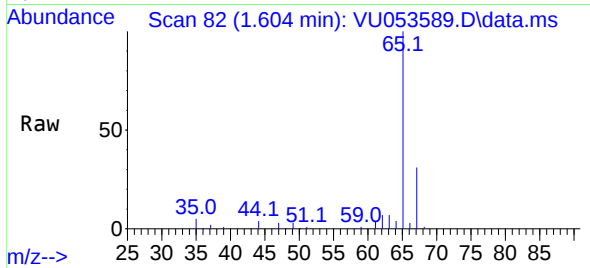




#5
 Vinyl chloride
 Concen: 2.344 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053589.D
 Acq: 06 Apr 2023 12:54

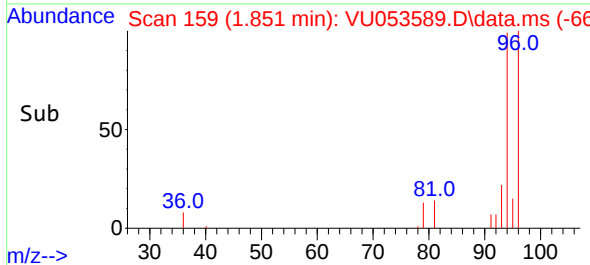
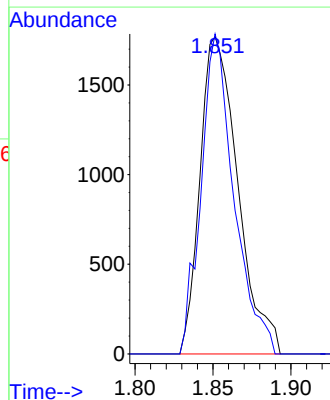
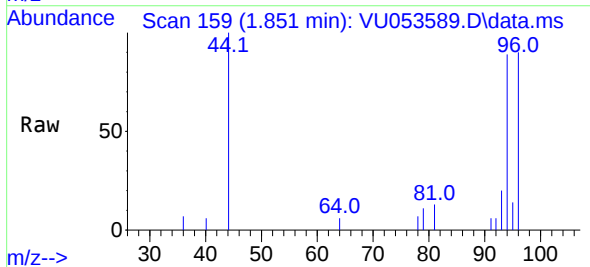
Instrument :
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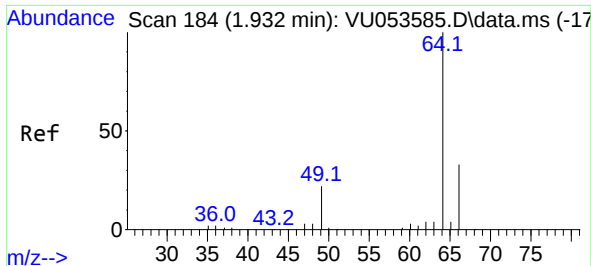
Tgt Ion: 62 Resp: 4541
 Ion Ratio Lower Upper
 62 100
 64 55.0 23.2 43.0#



#6
 Bromomethane
 Concen: 2.117 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053589.D
 Acq: 06 Apr 2023 12:54

Tgt Ion: 94 Resp: 2984
 Ion Ratio Lower Upper
 94 100
 96 100.8 64.4 119.6

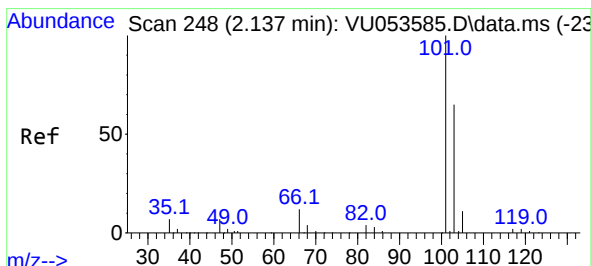
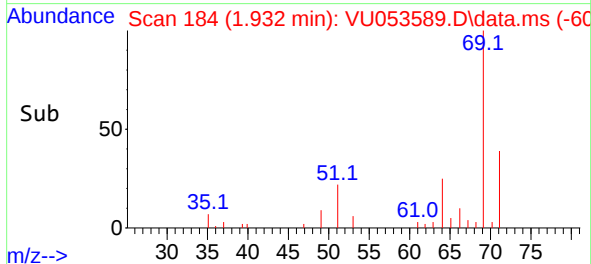
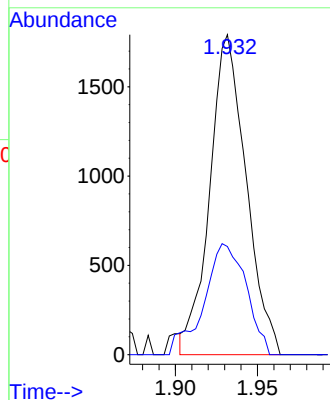
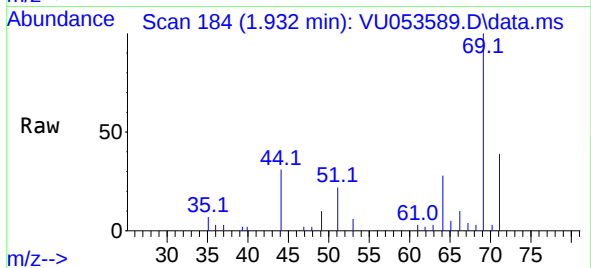




#8
Chloroethane
Concen: 2.369 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

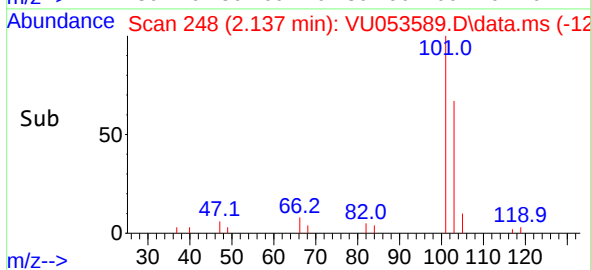
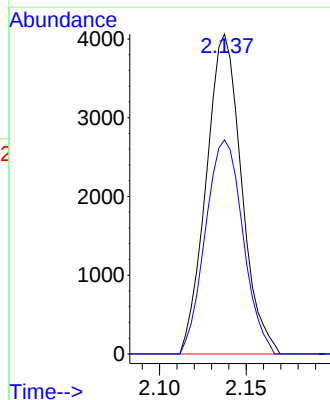
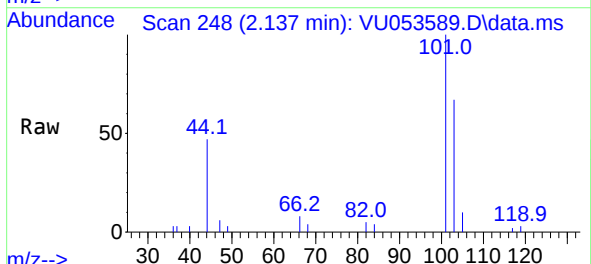
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

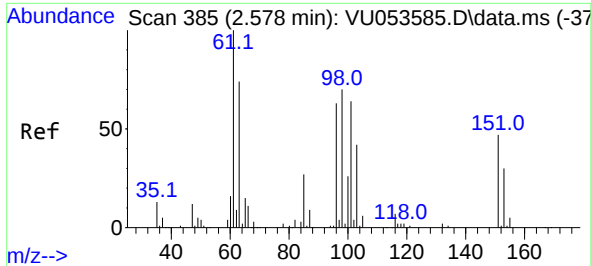
Tgt Ion: 64 Resp: 2761
Ion Ratio Lower Upper
64 100
66 33.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 1.932 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:101 Resp: 5757
Ion Ratio Lower Upper
101 100
103 71.1 52.5 78.7

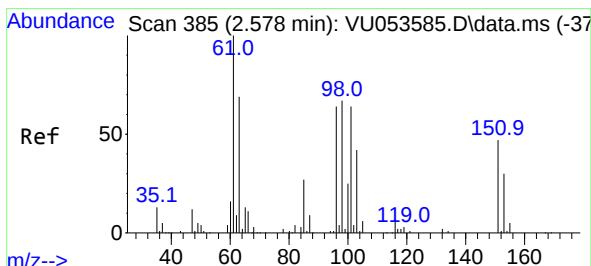
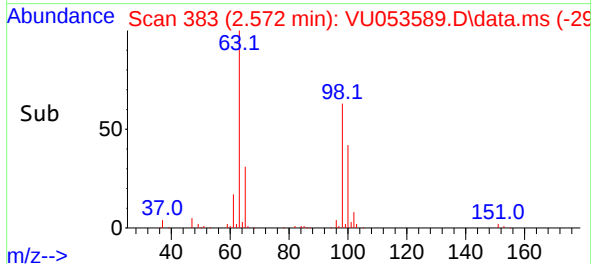
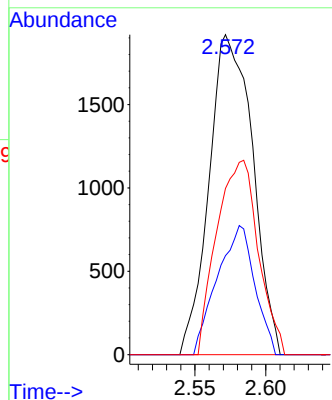
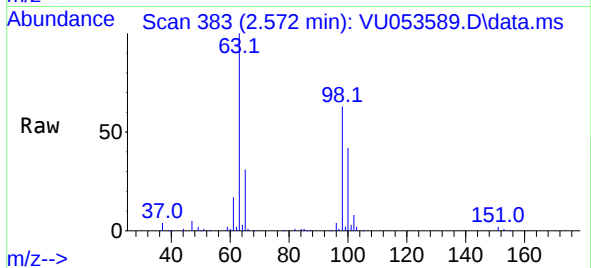




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.374 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

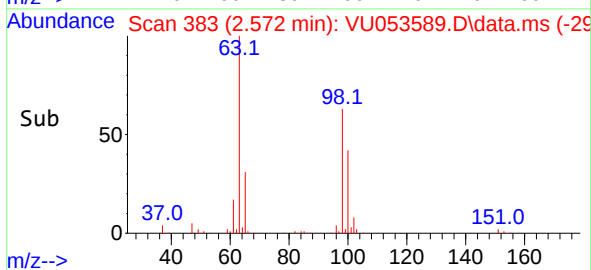
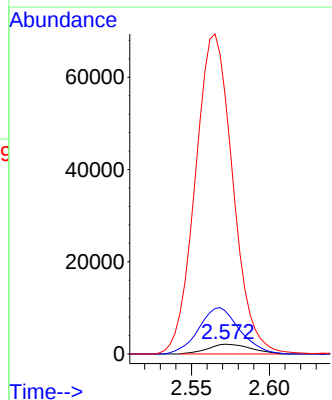
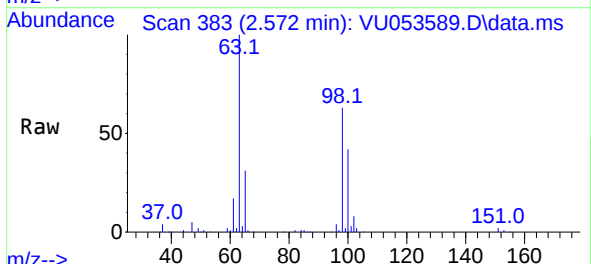
Instrument :
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MDL-MED-SOIL-QT2-2023-03

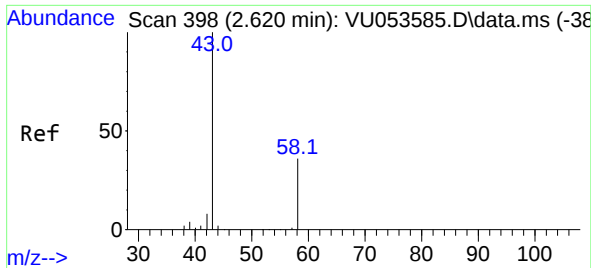
Tgt Ion:101 Resp: 4098
Ion Ratio Lower Upper
101 100
85 34.7 32.6 48.8
151 58.1 65.8 98.6#



#12
1,1-Dichloroethene
Concen: 2.638 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 96 Resp: 4058
Ion Ratio Lower Upper
96 100
61 444.7 107.9 200.5#
63 2677.7 79.1 146.9#





#13

Acetone

Concen: 3.846 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

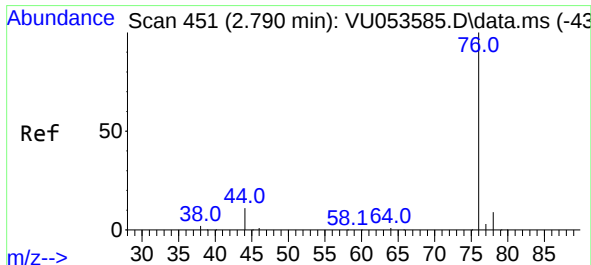
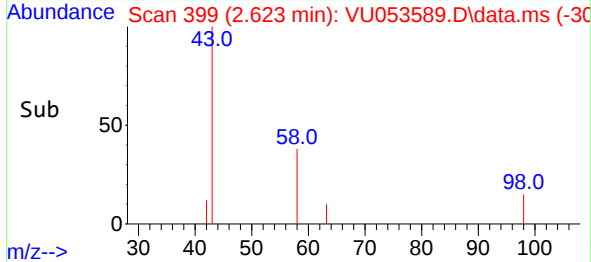
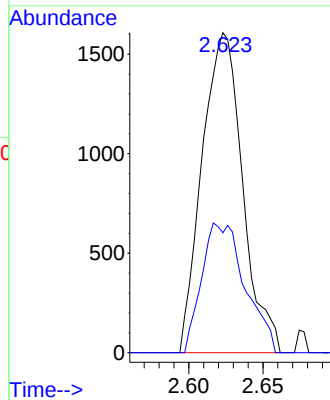
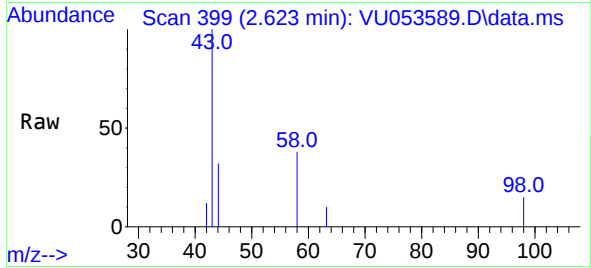
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 3055

Ion Ratio Lower Upper

43 100

58 22.2 0.0 70.2



#14

Carbon disulfide

Concen: 1.916 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053589.D

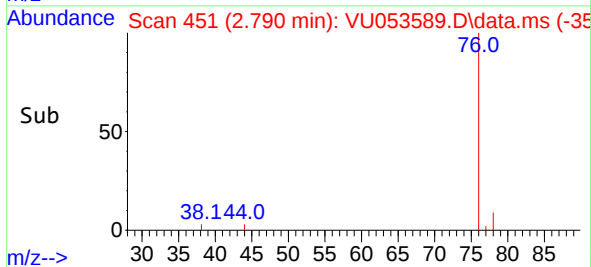
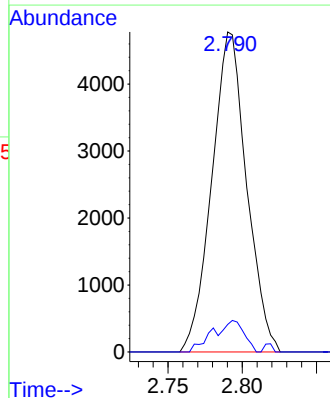
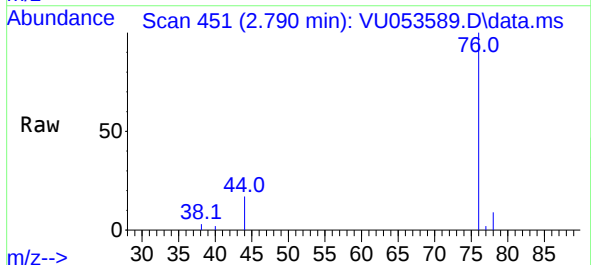
Acq: 06 Apr 2023 12:54

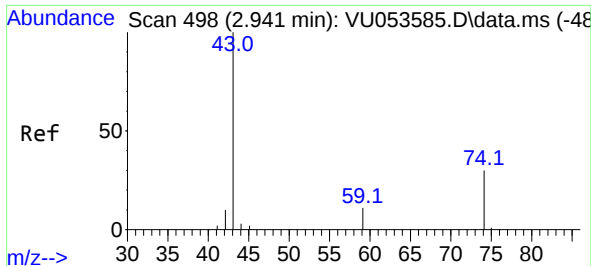
Tgt Ion: 76 Resp: 7798

Ion Ratio Lower Upper

76 100

78 8.6 8.2 12.2

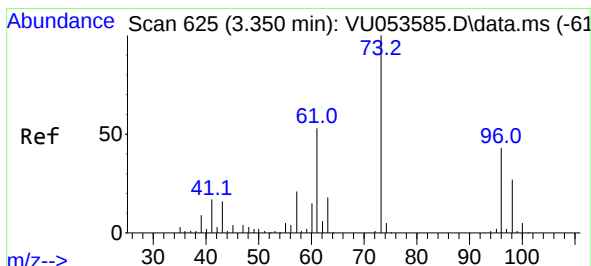
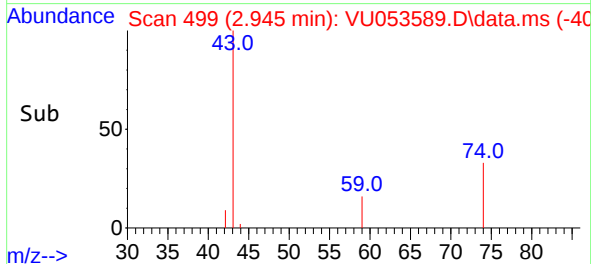
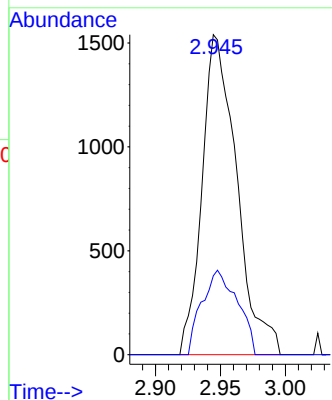
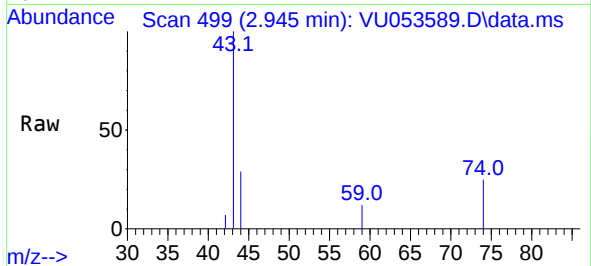




#15
Methyl Acetate
Concen: 2.350 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

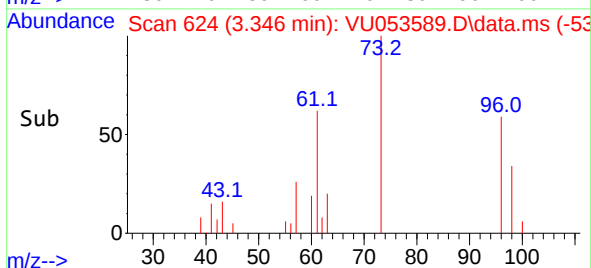
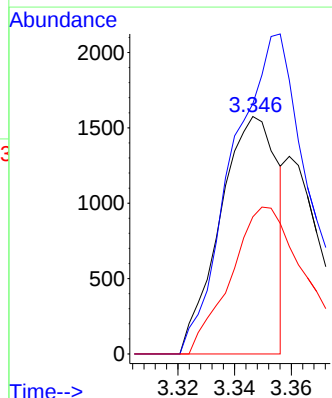
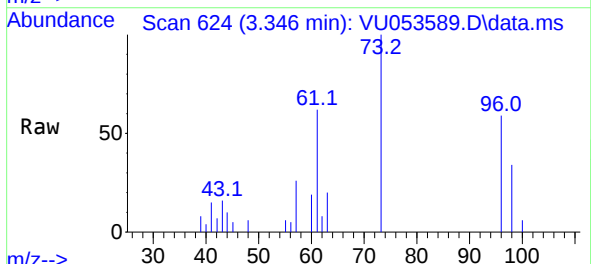
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

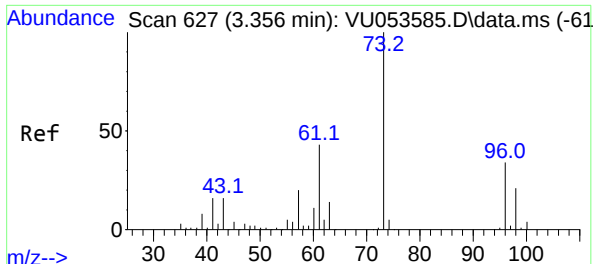
Tgt Ion: 43 Resp: 2859
Ion Ratio Lower Upper
43 100
74 27.1 22.0 33.0



#17
trans-1,2-Dichloroethene
Concen: 1.428 ug/L
RT: 3.346 min Scan# 624
Delta R.T. -0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 96 Resp: 2208
Ion Ratio Lower Upper
96 100
61 105.4 84.4 156.8
98 57.8 46.0 85.4



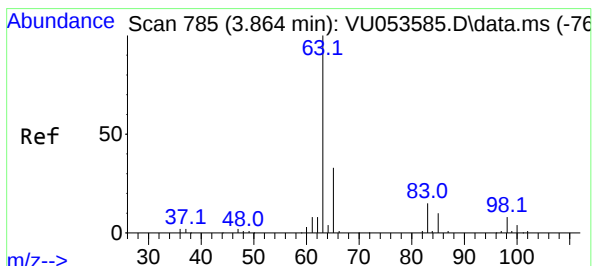
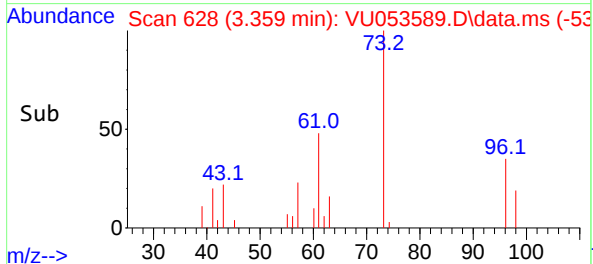
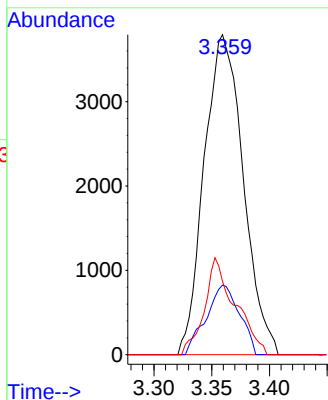
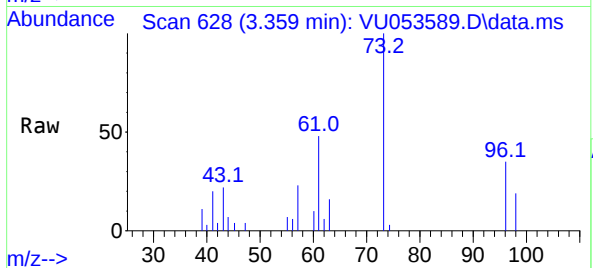


#18
Methyl tert-butyl Ether
Concen: 1.982 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 73 Resp: 8929

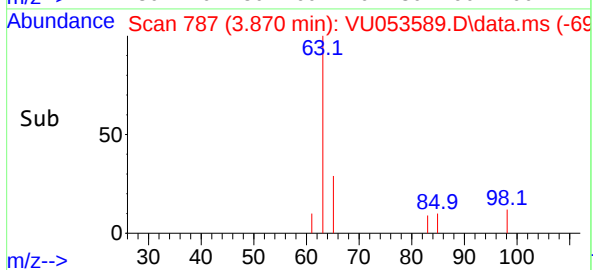
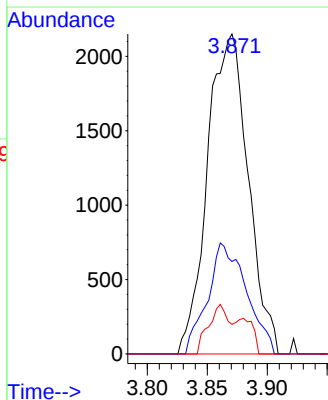
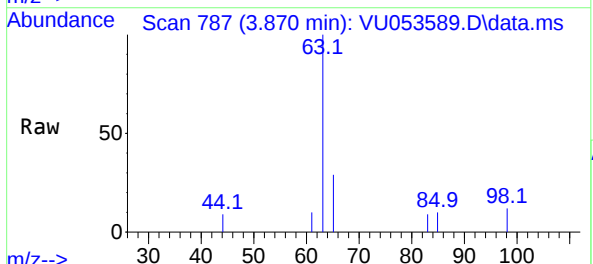
Ion	Ratio	Lower	Upper
73	100		
43	18.6	13.8	20.8
57	23.7	15.9	23.9

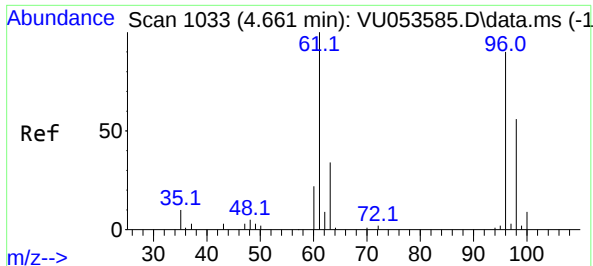


#19
1,1-Dichloroethane
Concen: 1.981 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 63 Resp: 5072

Ion	Ratio	Lower	Upper
63	100		
65	28.9	22.0	41.0
83	9.3	10.8	20.0

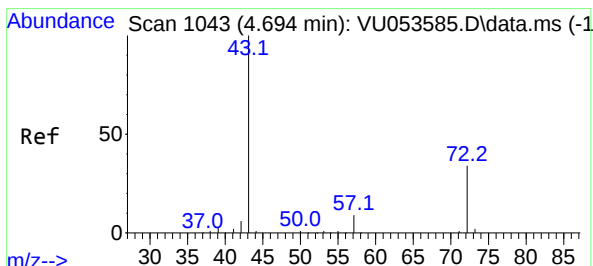
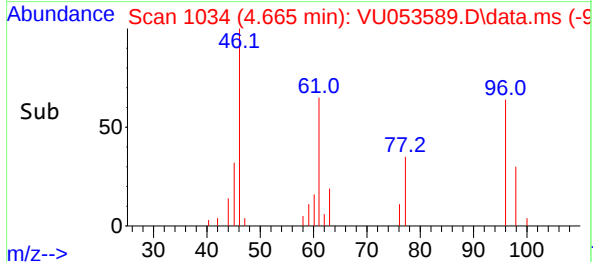
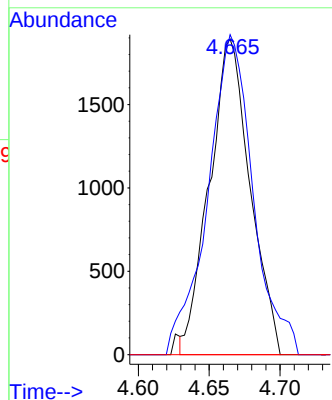
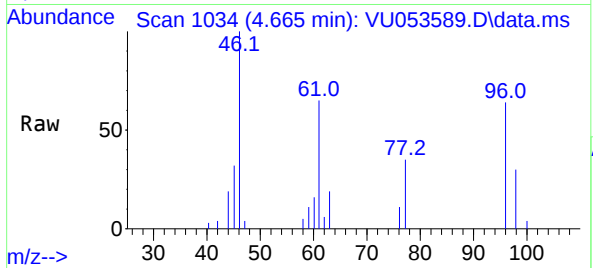




#20
cis-1,2-Dichloroethene
Concen: 2.120 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

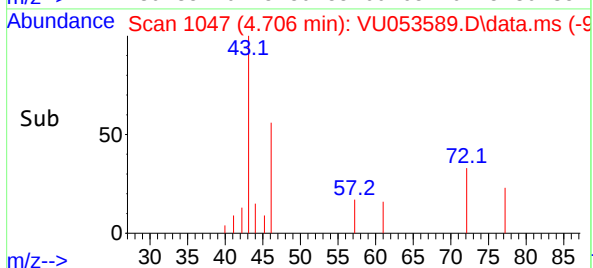
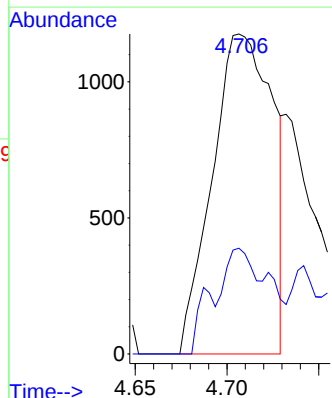
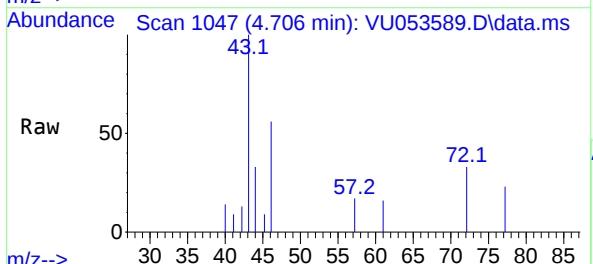
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

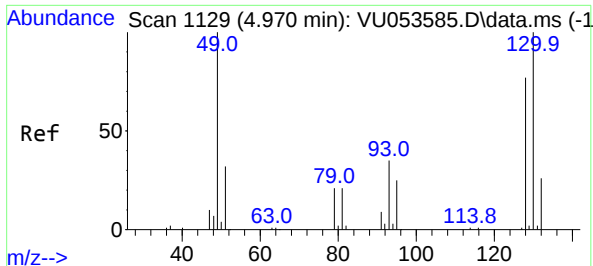
Tgt Ion: 96 Resp: 3786
Ion Ratio Lower Upper
96 100
61 101.4 74.7 138.7
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 2.791 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. 0.013 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
72 13.9 15.8 47.3#

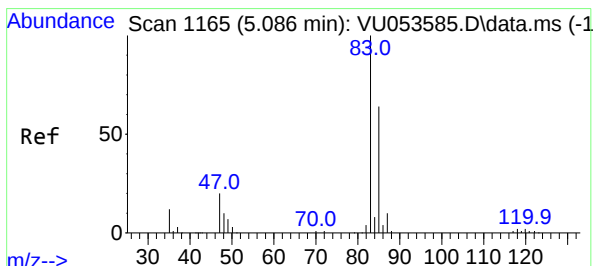
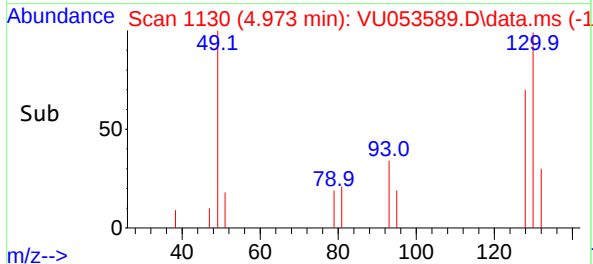
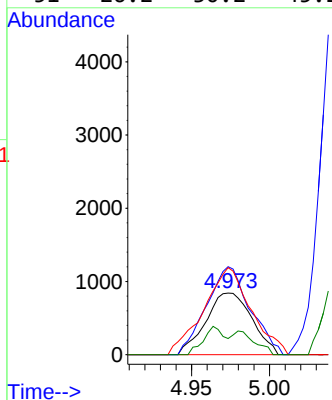
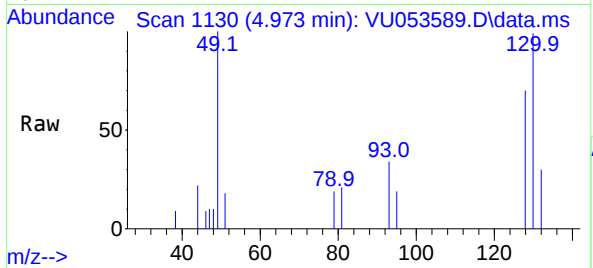




#23
Bromochloromethane
Concen: 1.741 ug/L
RT: 4.973 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

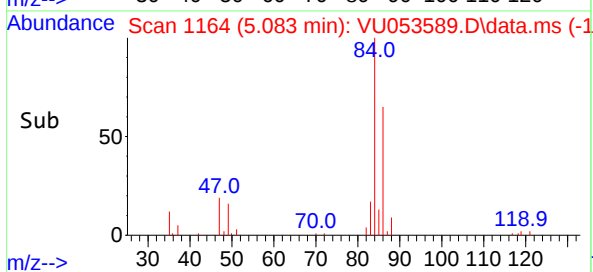
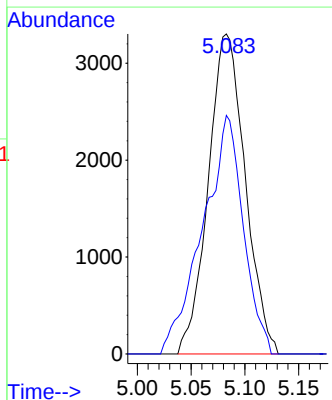
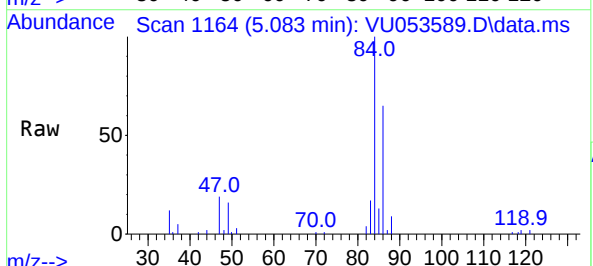
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

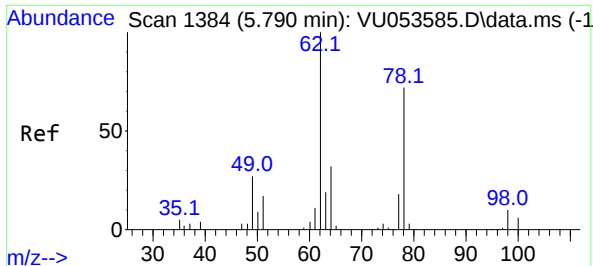
Tgt Ion:	128	Resp:	1732
Ion	Ratio	Lower	Upper
128	100		
49	142.9	81.5	151.3
130	141.3	91.8	170.4
51	26.2	30.2	45.2#



#25
Chloroform
Concen: 2.689 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:	83	Resp:	7899
Ion	Ratio	Lower	Upper
83	100		
85	74.6	46.1	85.5

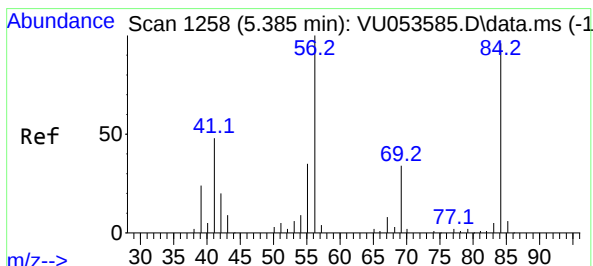
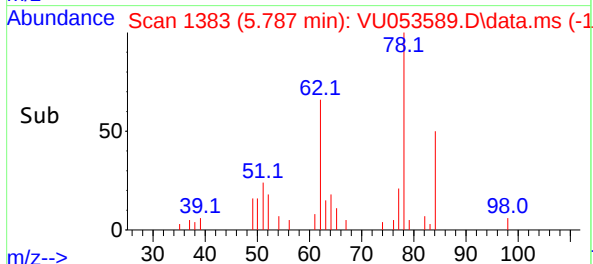
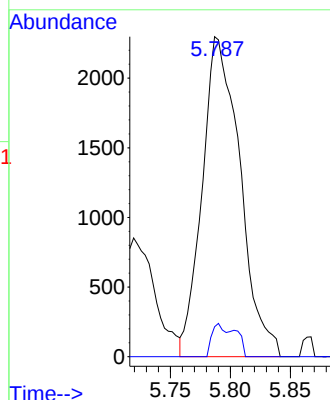
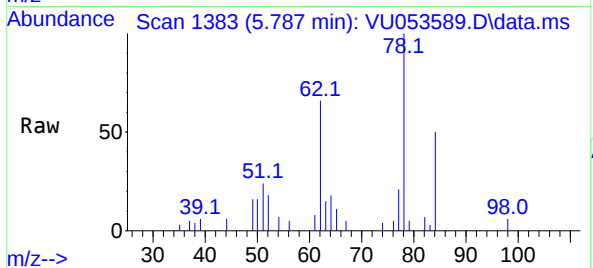




#27
1,2-Dichloroethane
Concen: 2.340 ug/L
RT: 5.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

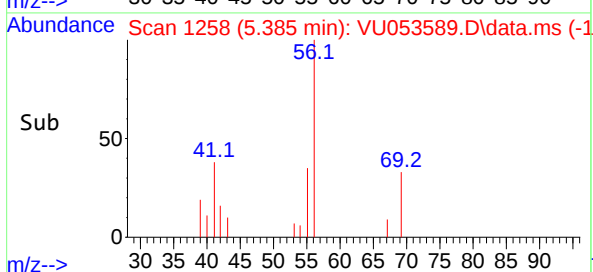
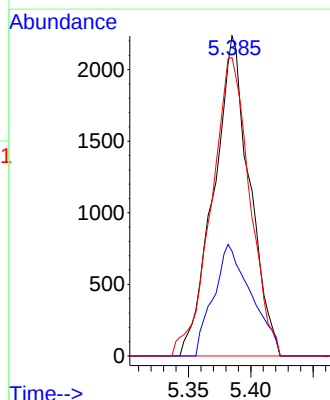
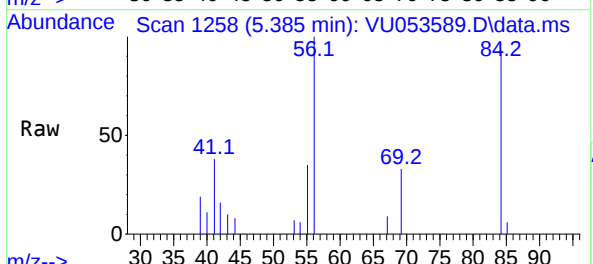
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

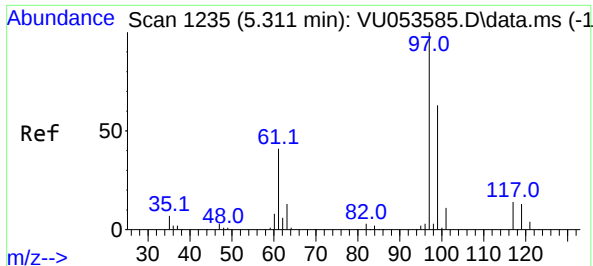
Tgt Ion: 62 Resp: 5033
Ion Ratio Lower Upper
62 100
98 9.4 8.3 12.5



#29
Cyclohexane
Concen: 1.956 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 56 Resp: 4465
Ion Ratio Lower Upper
56 100
69 36.7 27.3 40.9
84 99.5 81.3 121.9

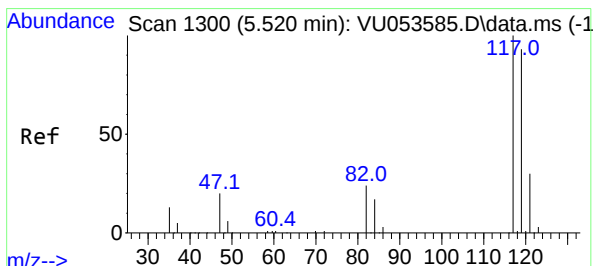
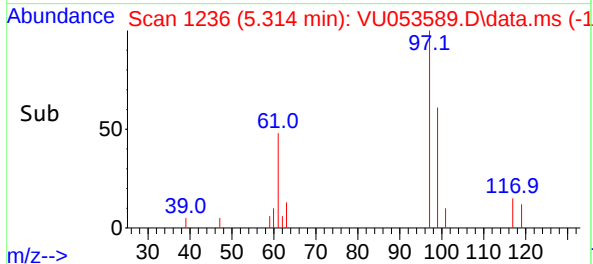
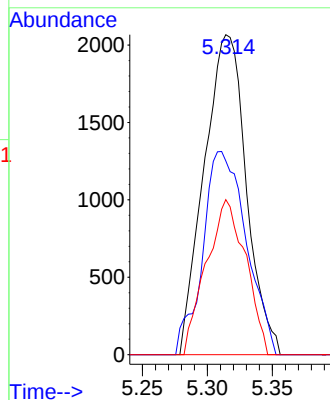
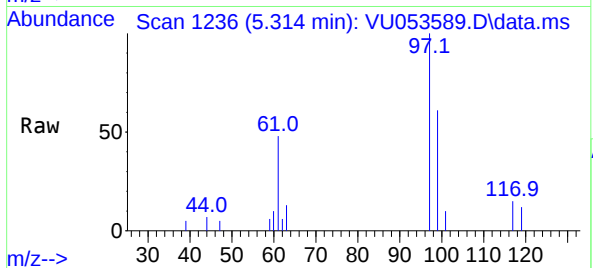




#30
1,1,1-Trichloroethane
Concen: 1.786 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

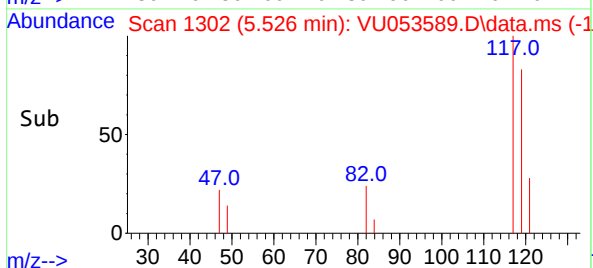
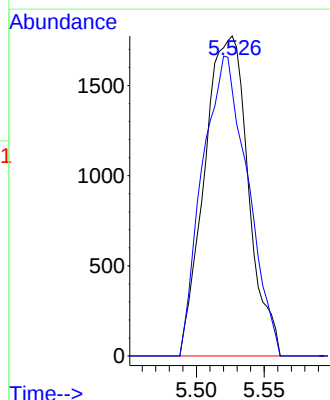
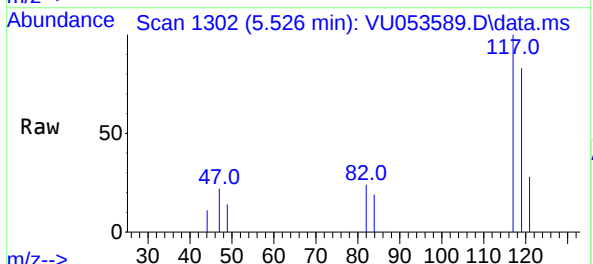
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

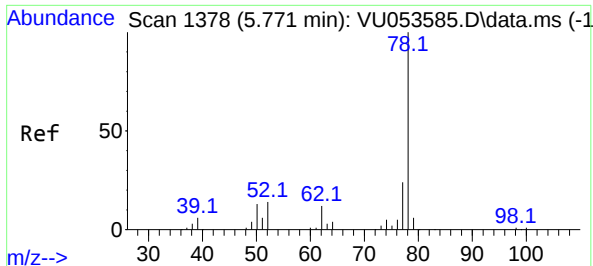
Tgt Ion: 97	Resp:	4667	
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.6	77.4
61	45.3	31.0	46.4



#31
Carbon tetrachloride
Concen: 1.704 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:117	Resp:	3988	
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3





Benzene

Concen: 2.069 ug/L

RT: 5.774 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

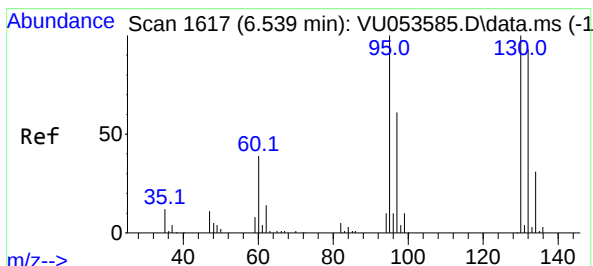
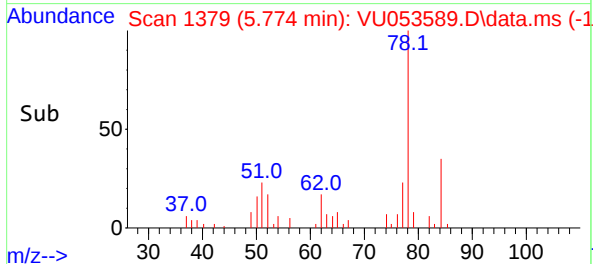
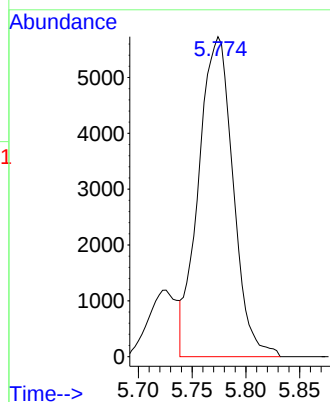
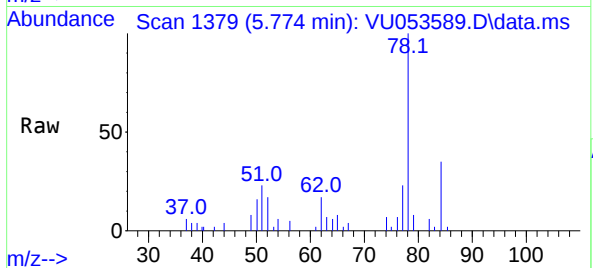
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 78 Resp: 12784



Trichloroethene

Concen: 1.935 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Tgt Ion: 95 Resp: 3616

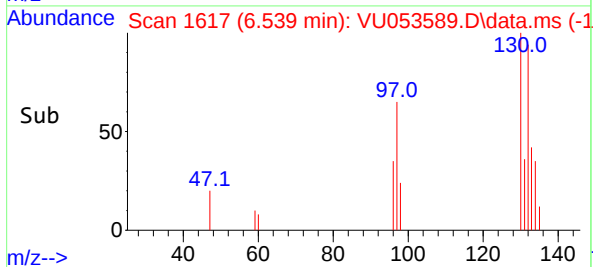
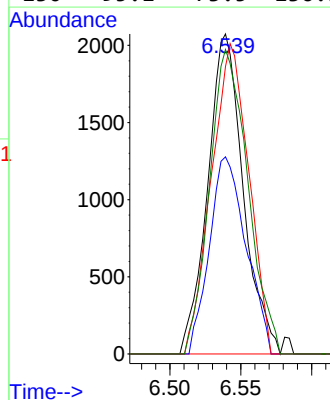
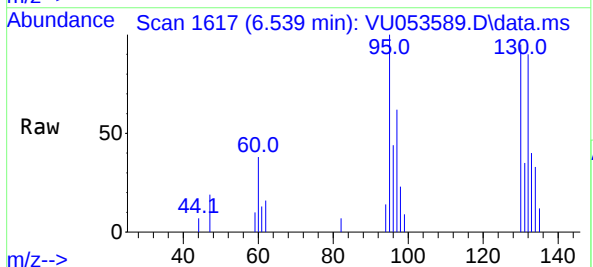
Ion Ratio Lower Upper

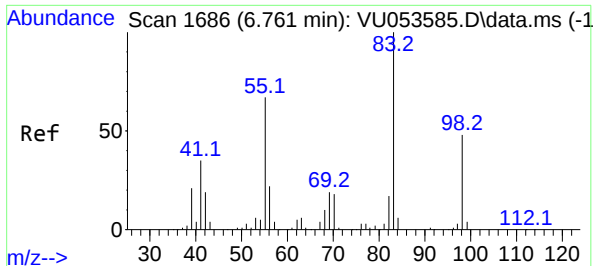
95 100

97 61.6 45.1 83.7

132 89.8 74.1 137.5

130 95.1 73.5 136.5

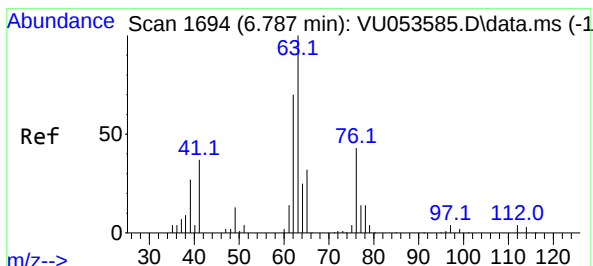
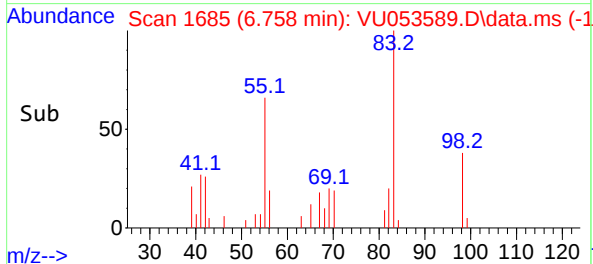
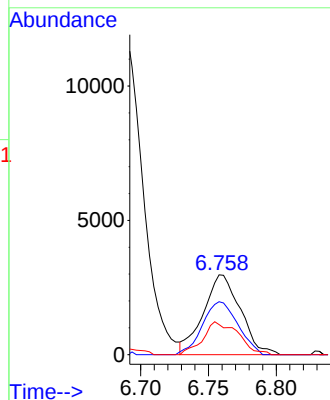
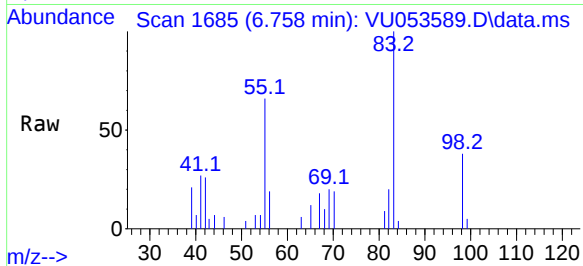




#35
Methylcyclohexane
Concen: 2.061 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

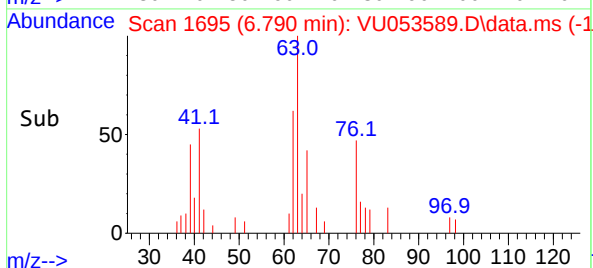
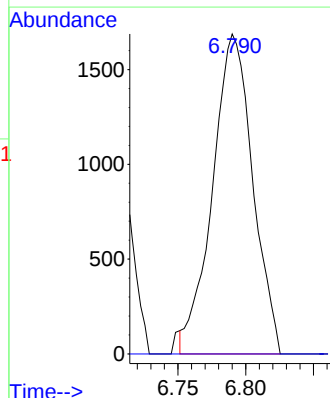
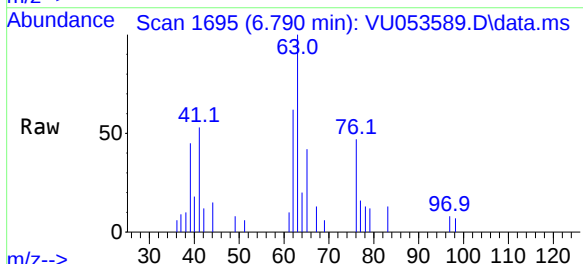
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

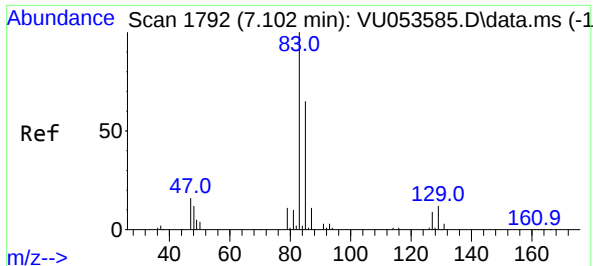
Tgt Ion: 83 Resp: 5660
Ion Ratio Lower Upper
83 100
55 63.4 53.0 79.6
98 22.9 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 2.218 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 63 Resp: 3479
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

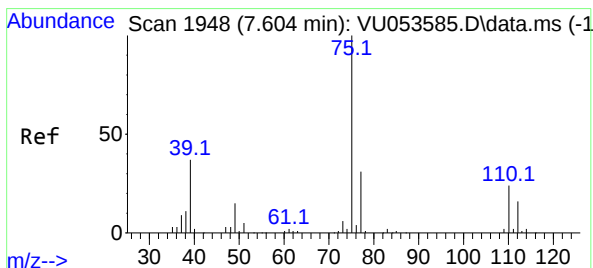
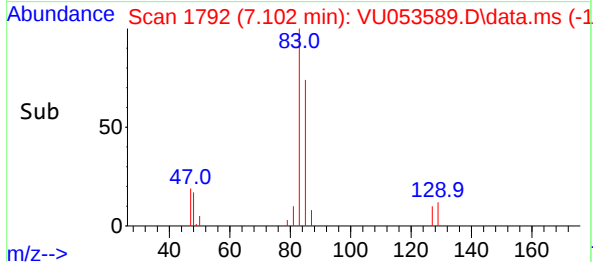
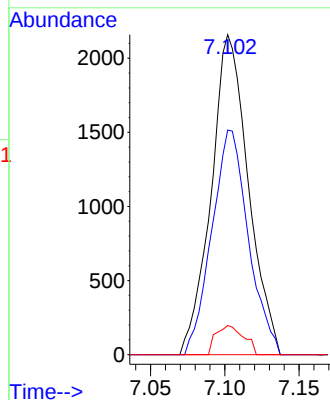
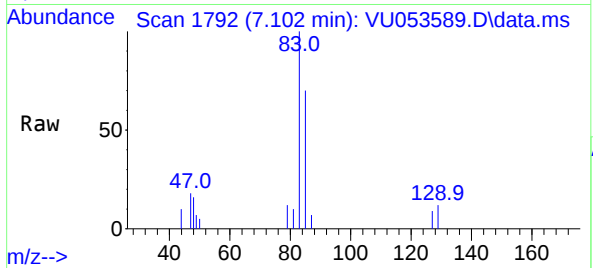




#38
Bromodichloromethane
Concen: 1.799 ug/L
RT: 7.102 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

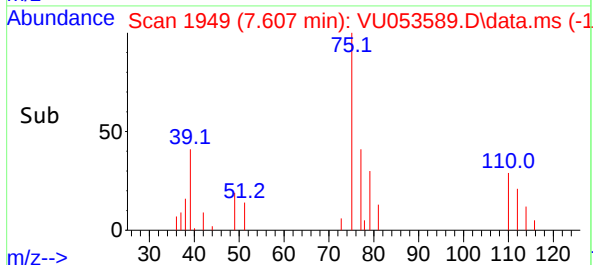
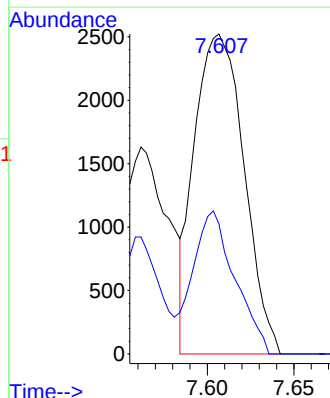
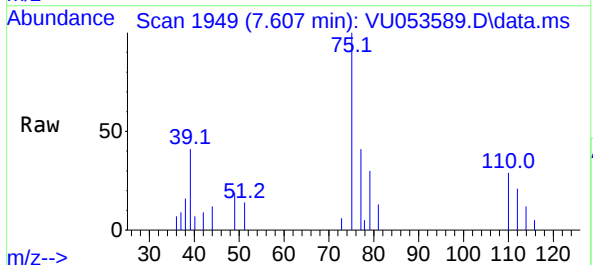
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

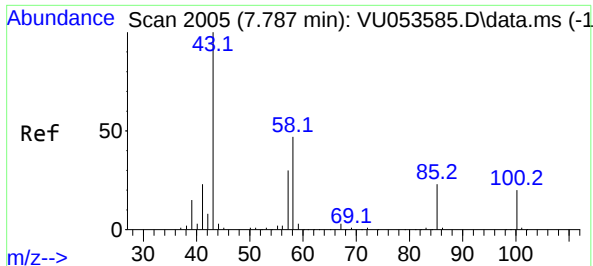
Tgt Ion:	83	Resp:	3764
Ion	Ratio	Lower	Upper
83	100		
85	70.2	44.4	82.5
127	9.1	8.0	12.0



#39
cis-1,3-Dichloropropene
Concen: 1.961 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:	75	Resp:	5027
Ion	Ratio	Lower	Upper
75	100		
77	40.6	22.5	41.7

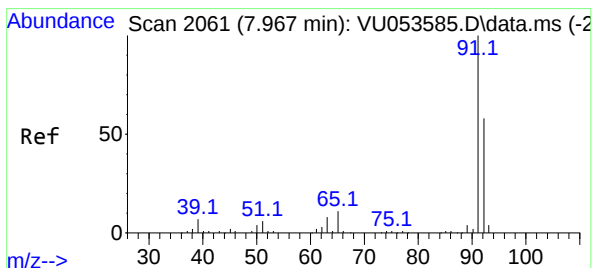
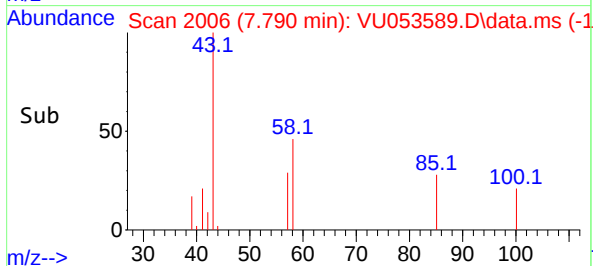
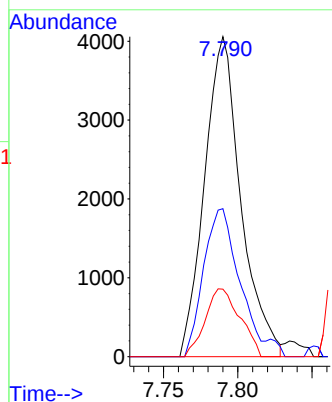
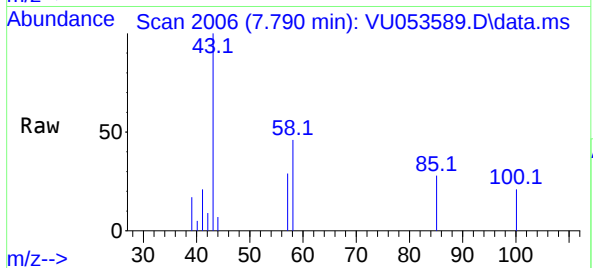




#40
4-Methyl-2-pentanone
Concen: 4.039 ug/L
RT: 7.790 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

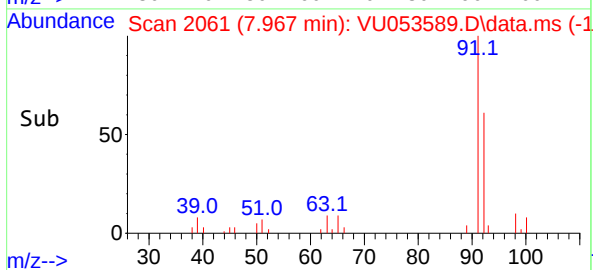
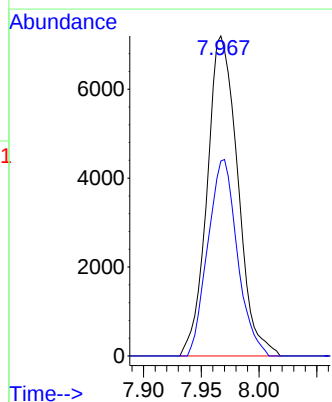
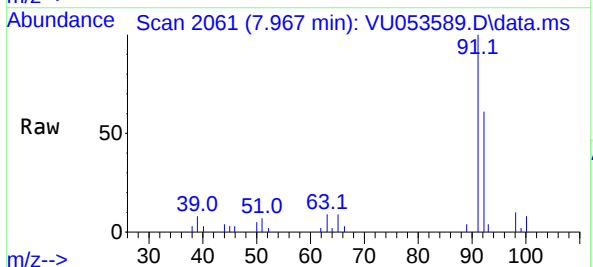
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

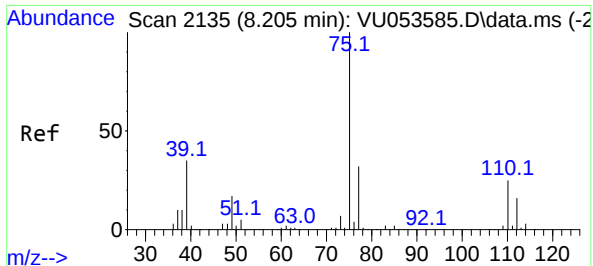
Tgt Ion:	43	Resp:	6885
Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.5	53.3
100	20.3	15.8	23.8



#42
Toluene
Concen: 1.898 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:	91	Resp:	13286
Ion	Ratio	Lower	Upper
91	100		
92	60.9	39.8	73.8

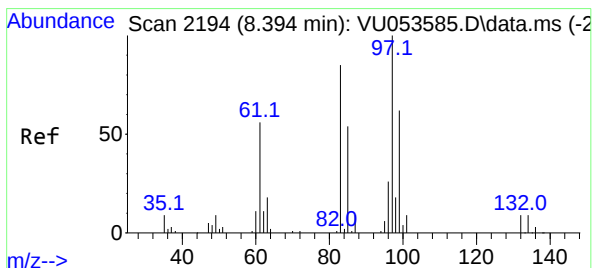
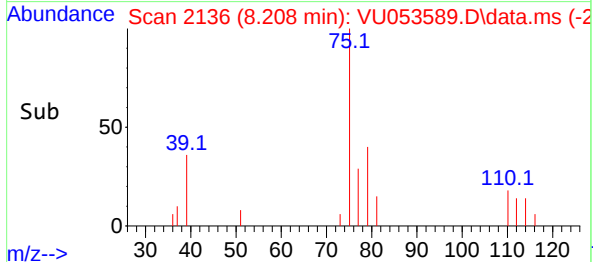
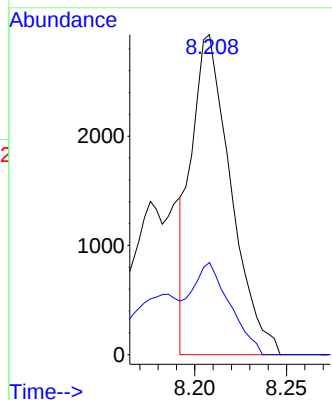
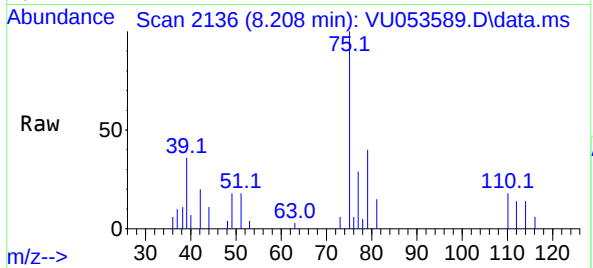




#44
trans-1,3-Dichloropropene
Concen: 1.812 ug/L
RT: 8.208 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

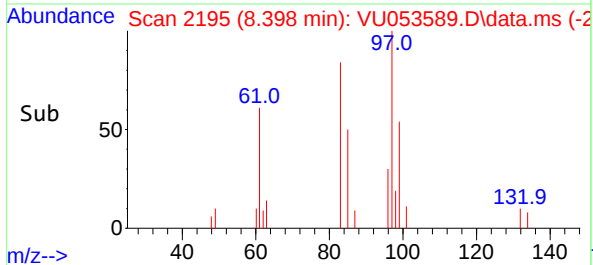
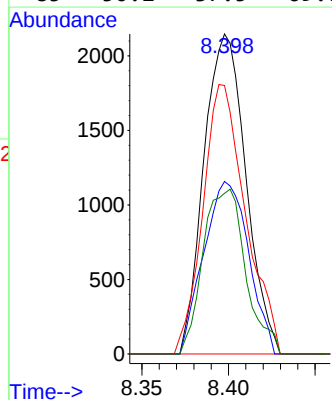
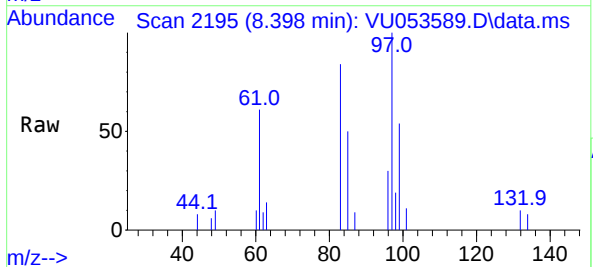
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

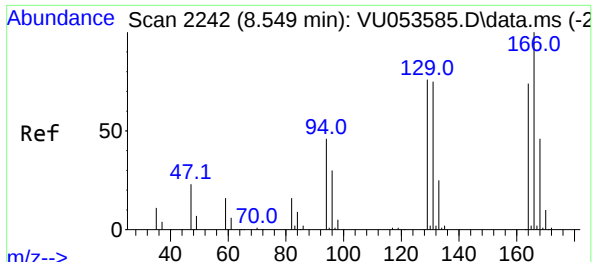
Tgt Ion: 75 Resp: 4390
Ion Ratio Lower Upper
75 100
77 28.8 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.102 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 97 Resp: 3620
Ion Ratio Lower Upper
97 100
99 53.9 43.8 81.3
83 83.9 59.0 109.6
85 50.2 37.5 69.7



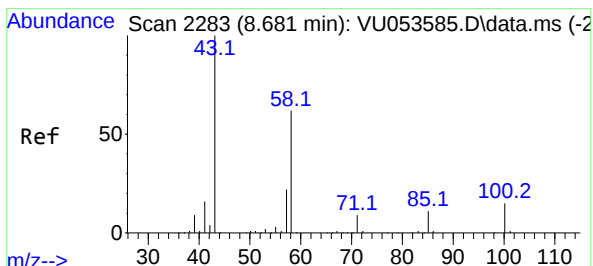
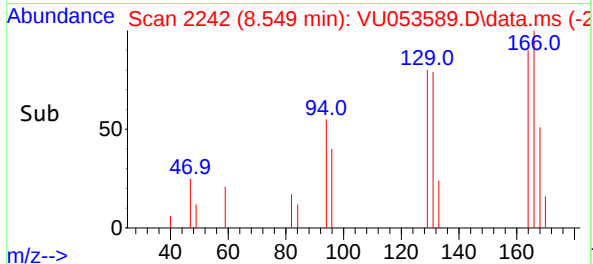
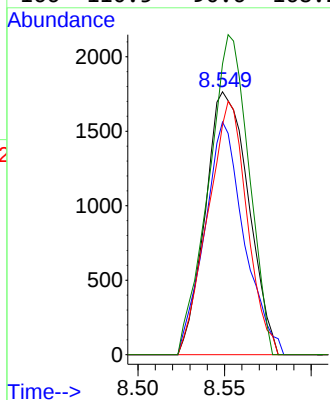
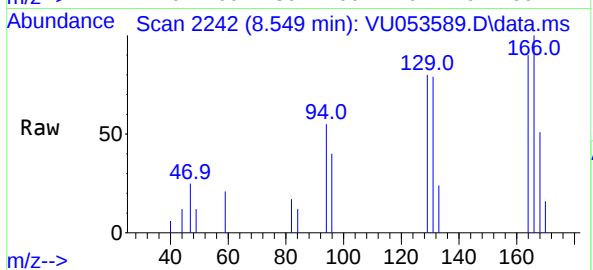


#46
Tetrachloroethene
Concen: 1.973 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:164 Resp: 3059

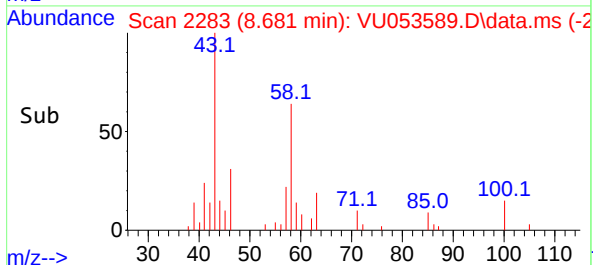
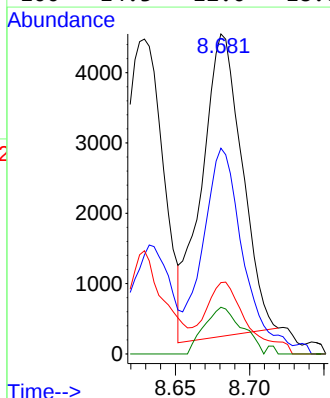
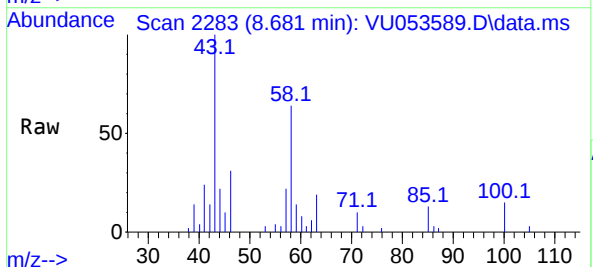
Ion	Ratio	Lower	Upper
164	100		
129	88.5	64.0	119.0
131	87.4	61.9	115.1
166	110.5	90.6	168.2

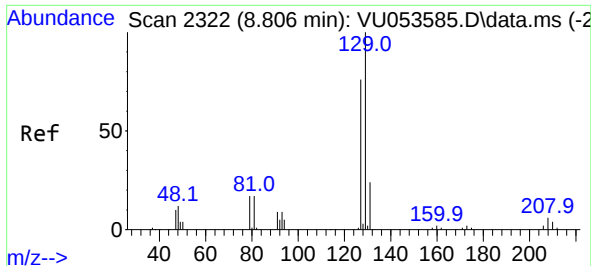


#48
2-Hexanone
Concen: 5.943 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 43 Resp: 8195

Ion	Ratio	Lower	Upper
43	100		
58	65.3	49.8	74.6
57	23.8	17.8	26.6
100	14.3	12.0	18.0

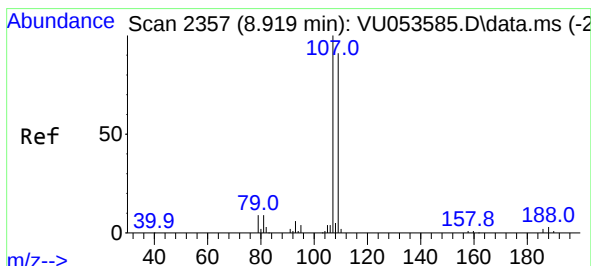
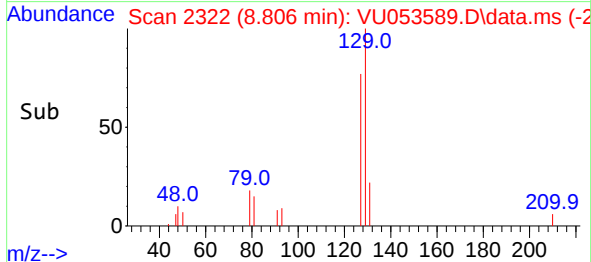
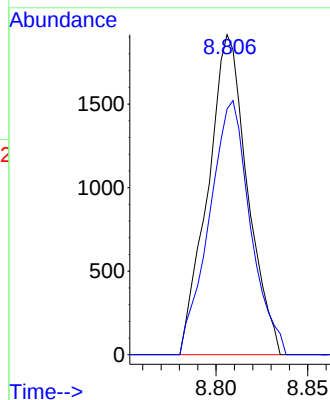
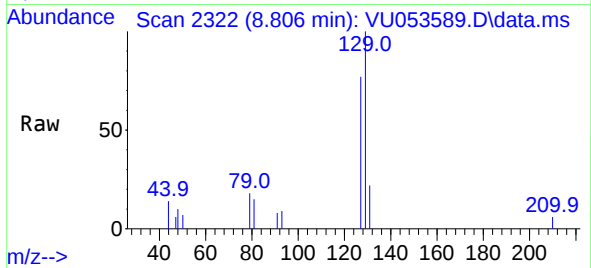




#49
Dibromochloromethane
Concen: 1.608 ug/L
RT: 8.806 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

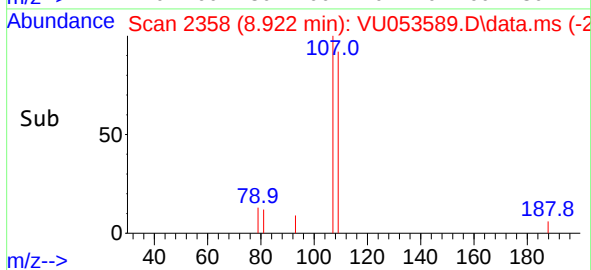
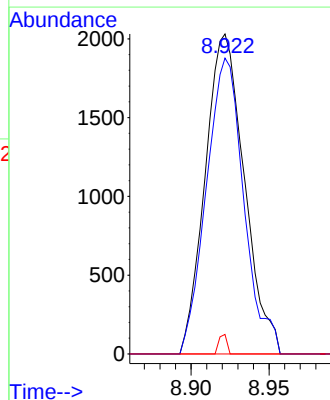
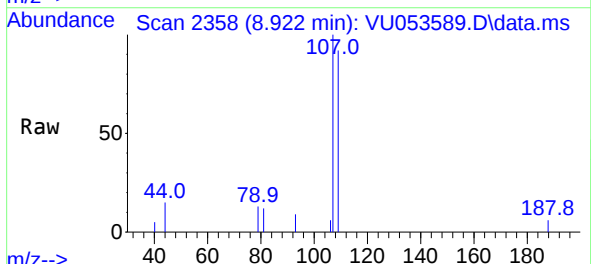
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

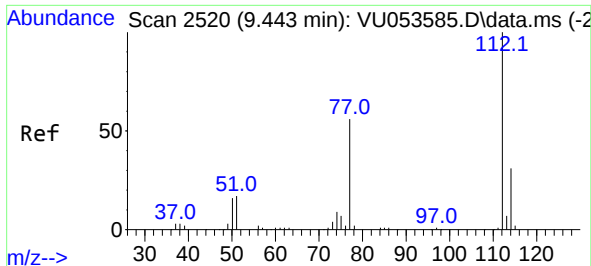
Tgt Ion:129 Resp: 2880
Ion Ratio Lower Upper
129 100
127 76.8 53.5 99.3



#50
1,2-Dibromoethane
Concen: 1.839 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:107 Resp: 3543
Ion Ratio Lower Upper
107 100
109 92.5 66.3 123.1
188 6.1 3.0 4.4#

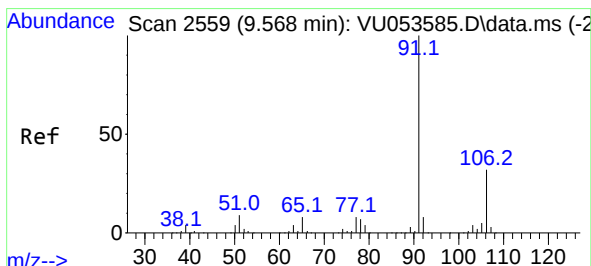
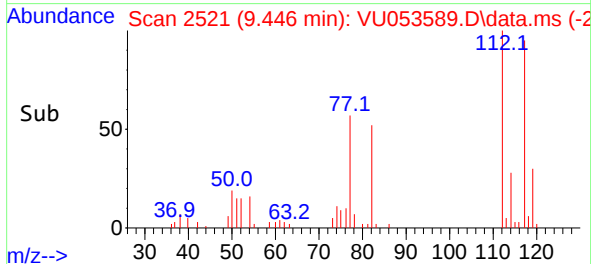
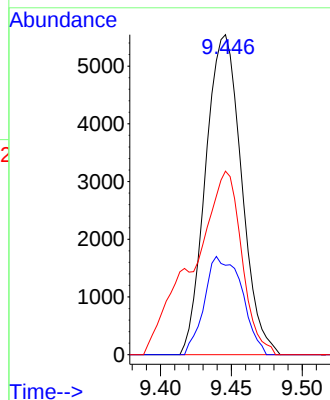
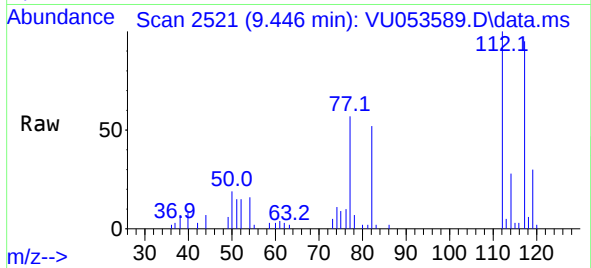




#51
Chlorobenzene
Concen: 2.024 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

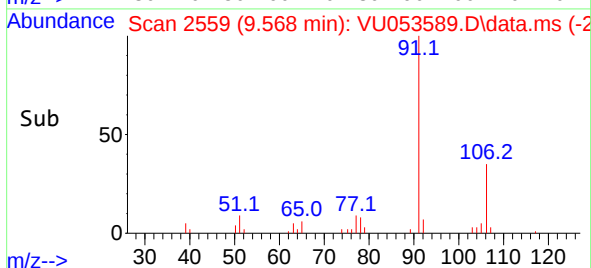
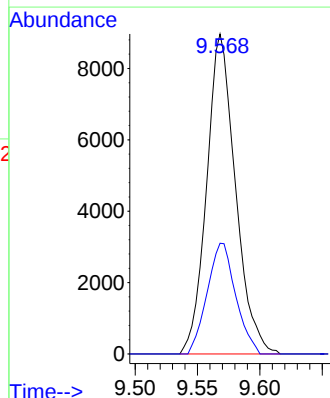
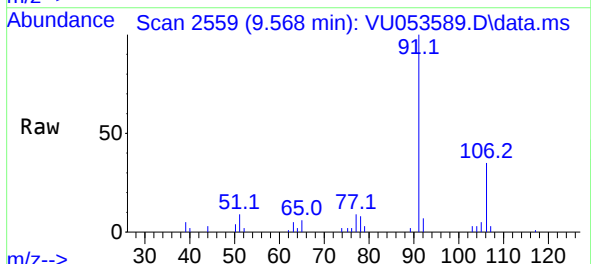
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

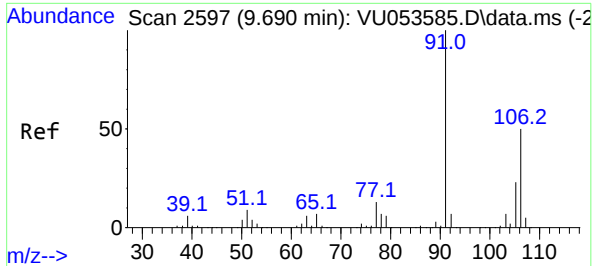
Tgt Ion:112 Resp: 9763
Ion Ratio Lower Upper
112 100
114 27.9 22.2 41.2
77 57.4 41.3 61.9



#52
Ethylbenzene
Concen: 1.849 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 91 Resp: 14407
Ion Ratio Lower Upper
91 100
106 34.6 22.4 41.6

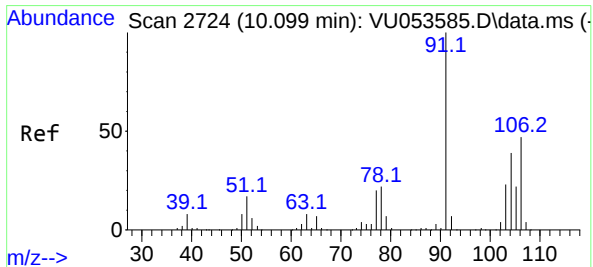
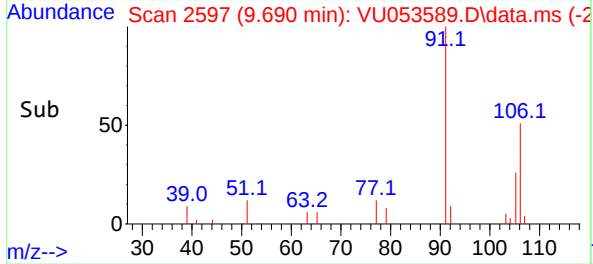
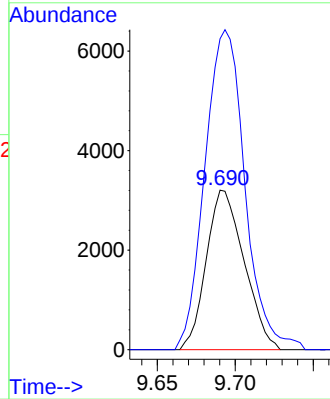
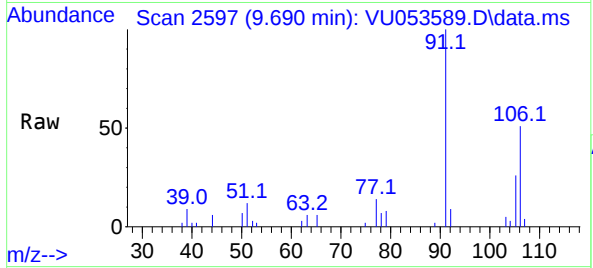




#53
m,p-Xylene
Concen: 1.774 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

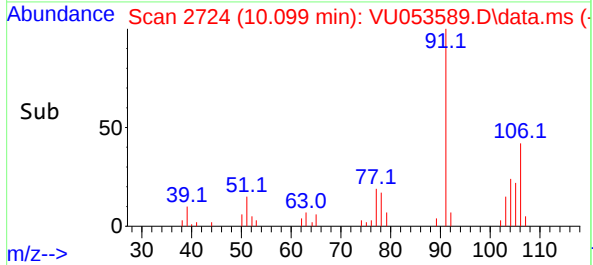
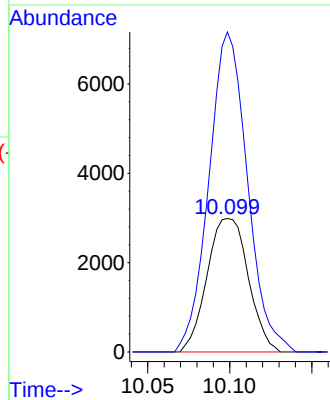
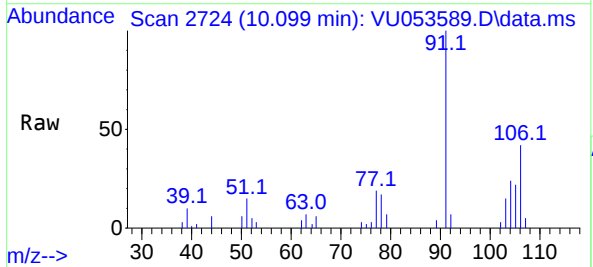
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

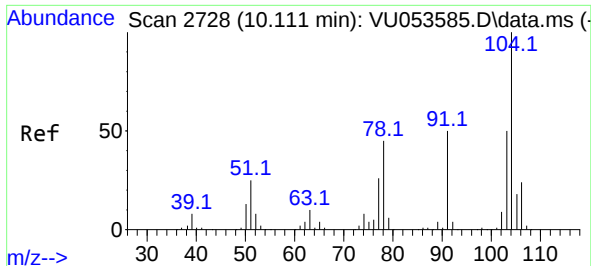
Tgt Ion:106 Resp: 5408
Ion Ratio Lower Upper
106 100
91 194.9 140.0 260.0



#54
o-xylene
Concen: 1.729 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:106 Resp: 5209
Ion Ratio Lower Upper
106 100
91 239.9 144.9 269.1

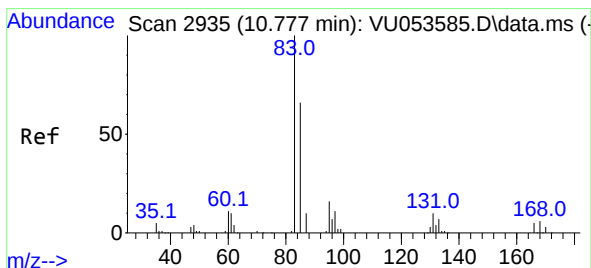
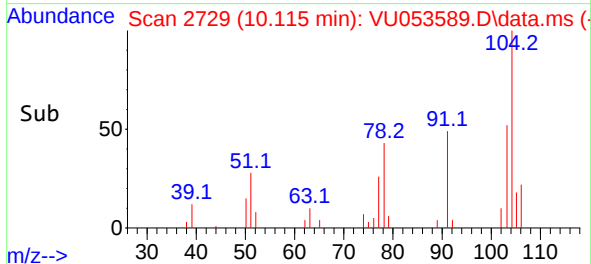
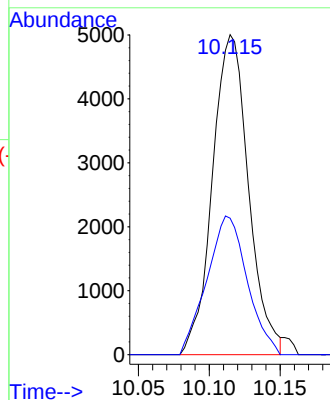
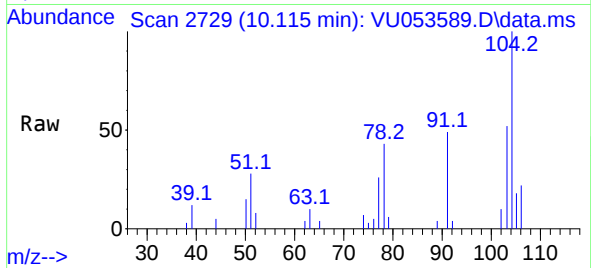




#55
Styrene
Concen: 1.805 ug/L
RT: 10.115 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

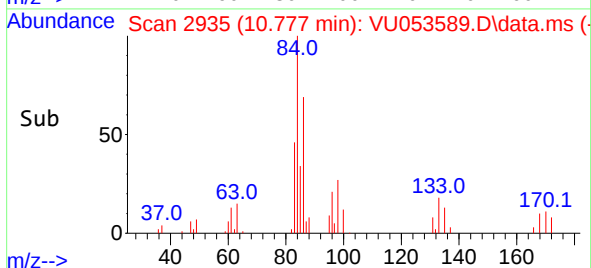
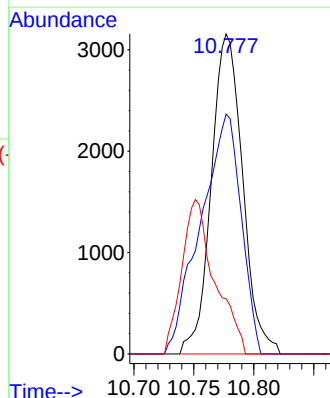
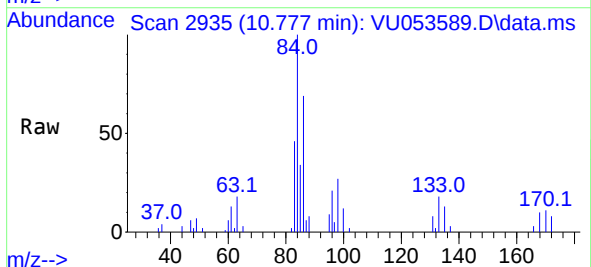
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

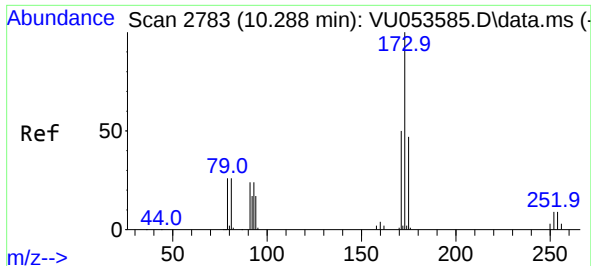
Tgt Ion:104 Resp: 8861
Ion Ratio Lower Upper
104 100
78 42.7 31.3 58.1



#57
1,1,2,2-Tetrachloroethane
Concen: 2.267 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 83 Resp: 5732
Ion Ratio Lower Upper
83 100
85 74.9 47.0 87.4
131 17.2 8.7 13.1#

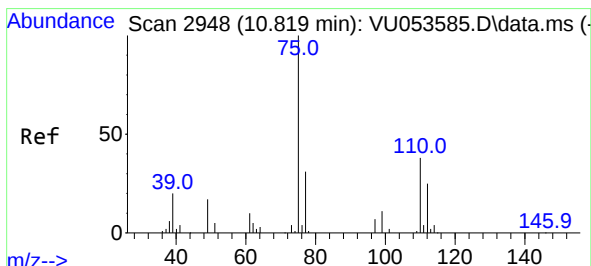
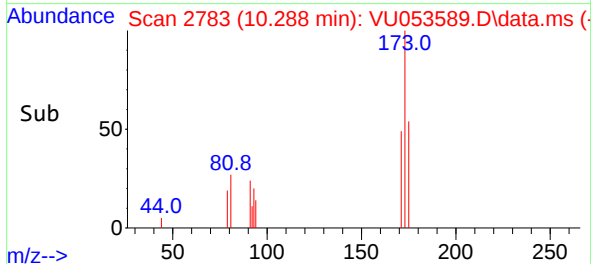
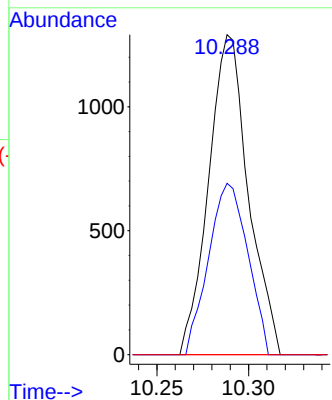
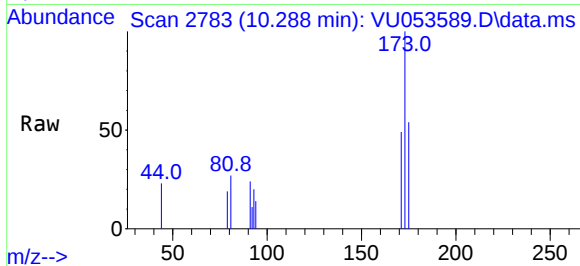




#59
Bromoform
Concen: 1.523 ug/L
RT: 10.288 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

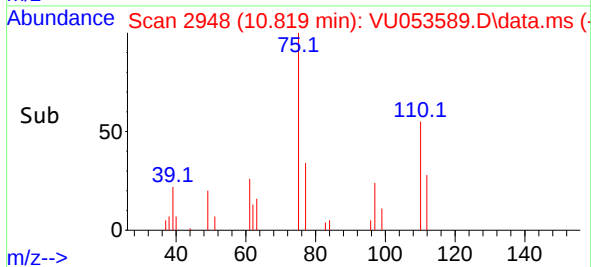
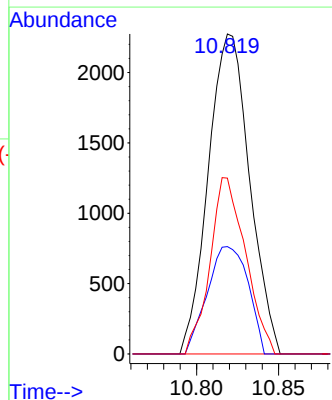
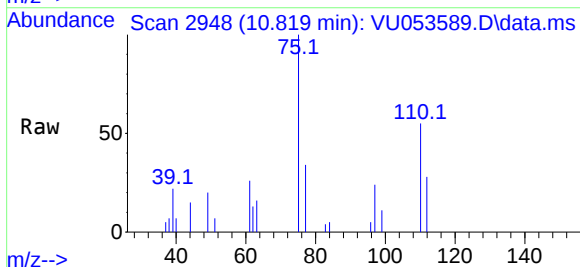
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

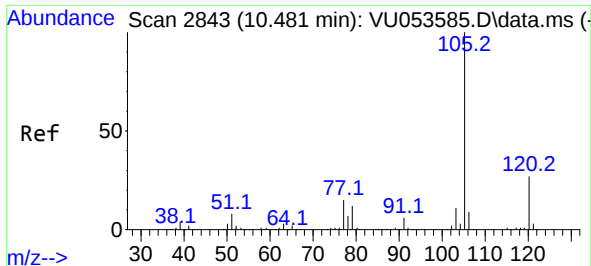
Tgt Ion:	173	Resp:	1939
Ion	Ratio	Lower	Upper
173	100		
175	52.9	39.0	58.6
254	0.0	7.0	10.4



#60
1,2,3-Trichloropropane
Concen: 2.204 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:	75	Resp:	3975
Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.0	39.0
110	47.4	32.6	48.8

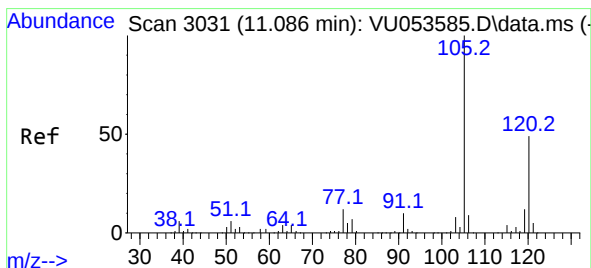
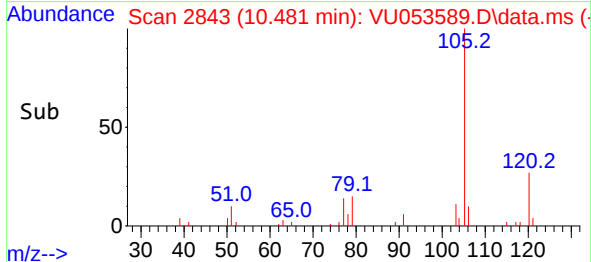
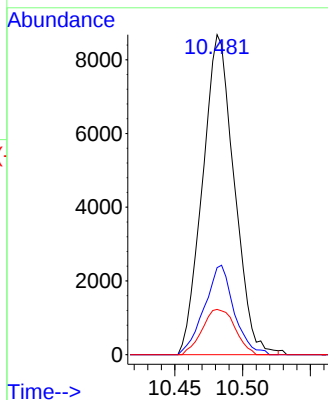
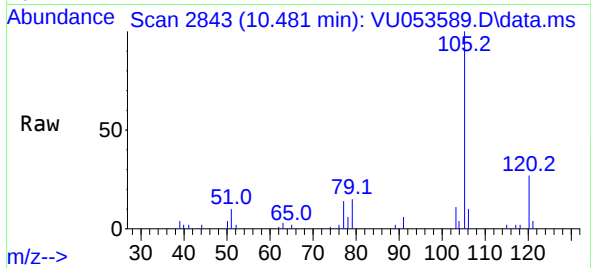




#61
Isopropylbenzene
Concen: 1.911 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

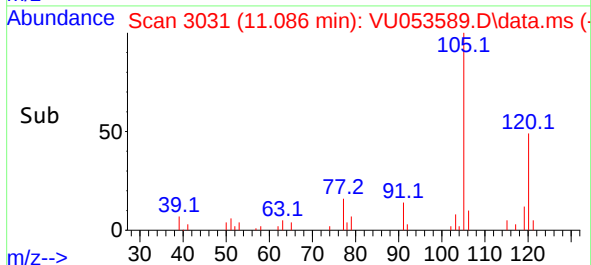
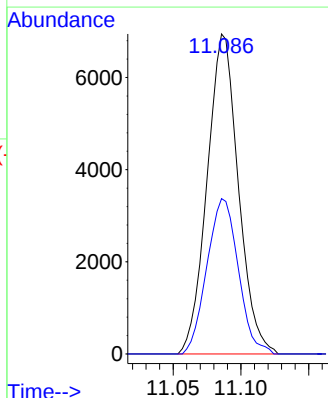
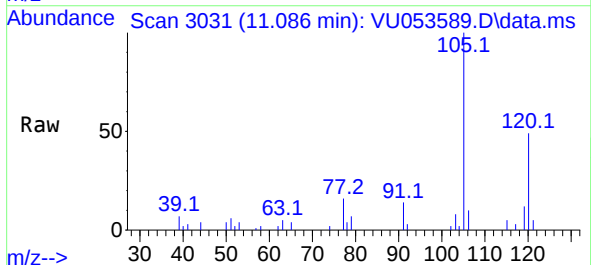
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

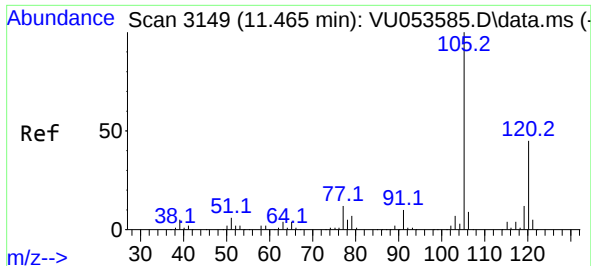
Tgt Ion:	105	Resp:	14057
Ion	Ratio	Lower	Upper
105	100		
120	26.1	22.4	33.6
77	14.7	12.1	18.1



#62
1,3,5-Trimethylbenzene
Concen: 1.822 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:	105	Resp:	11140
Ion	Ratio	Lower	Upper
105	100		
120	48.7	39.5	59.3

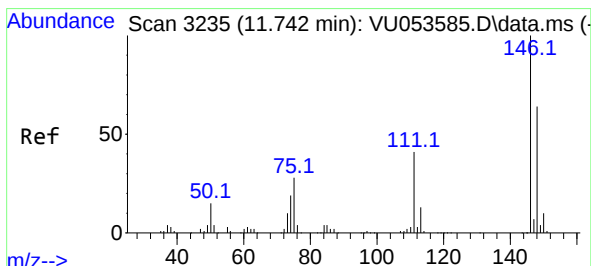
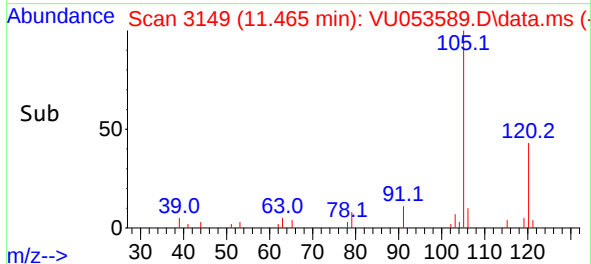
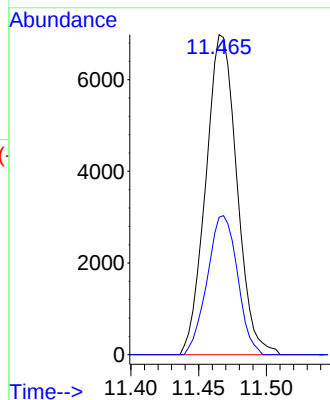
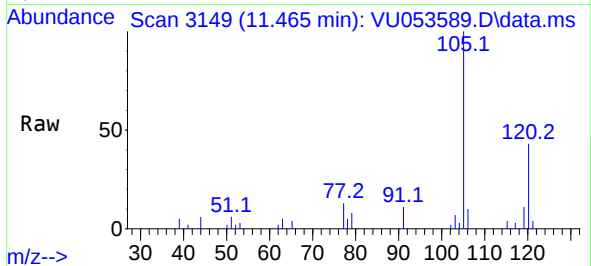




#63
1,2,4-Trimethylbenzene
Concen: 1.843 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

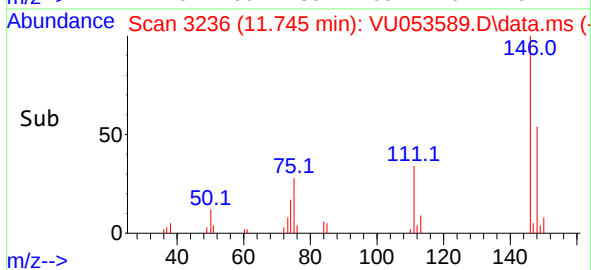
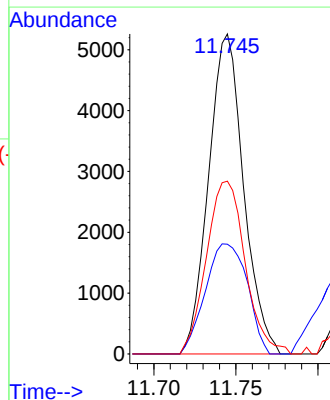
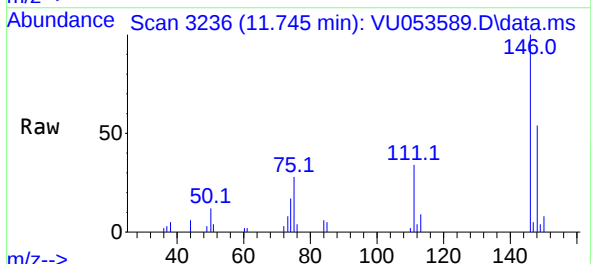
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

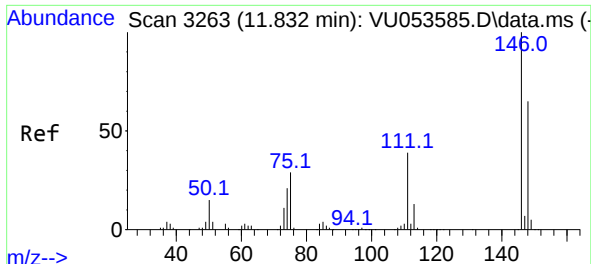
Tgt Ion:105 Resp: 11158
Ion Ratio Lower Upper
105 100
120 42.2 37.5 56.3



#64
1,3-Dichlorobenzene
Concen: 2.030 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:146 Resp: 7800
Ion Ratio Lower Upper
146 100
111 34.3 25.7 47.7
148 54.0 44.2 82.2

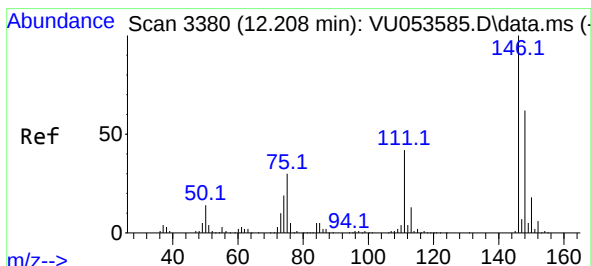
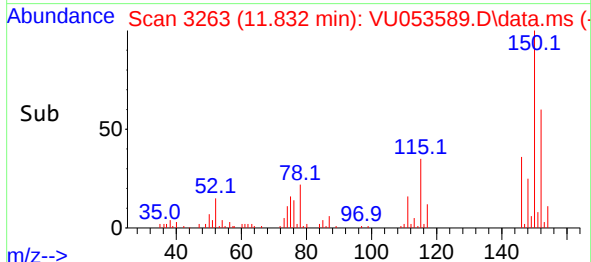
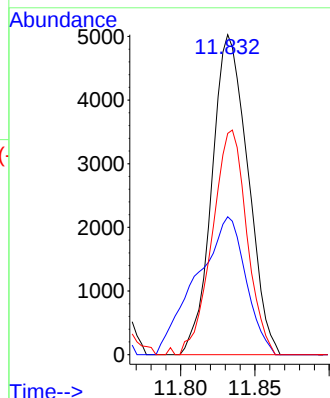
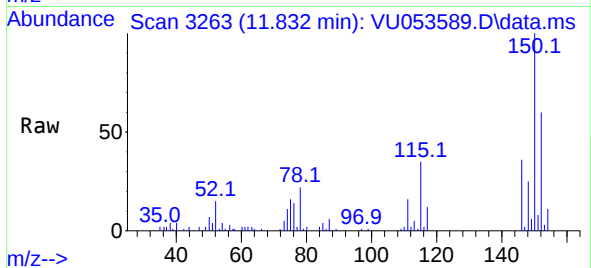




#65
1,4-Dichlorobenzene
Concen: 2.158 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

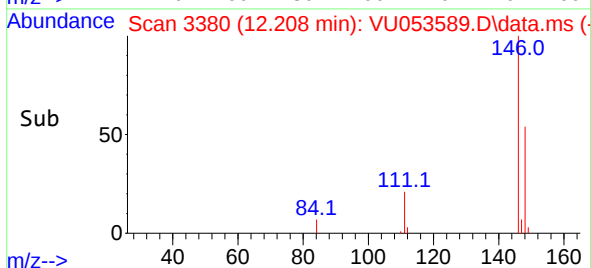
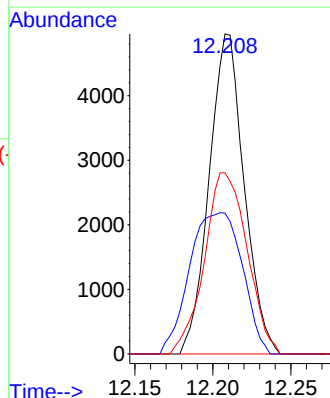
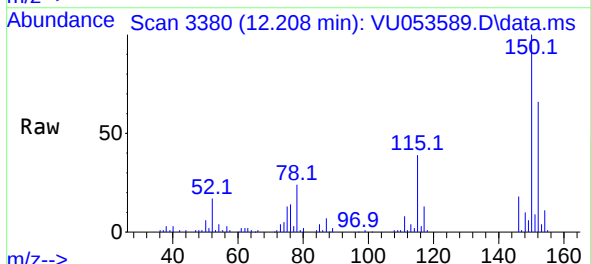
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

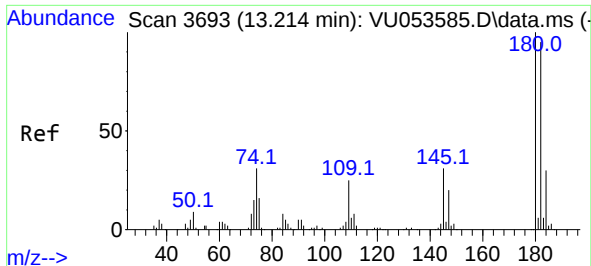
Tgt Ion:146	Resp:	8451
Ion	Ratio	Lower Upper
146	100	
111	43.1	25.1 46.5
148	69.2	44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 2.020 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:146	Resp:	7737
Ion	Ratio	Lower Upper
146	100	
111	44.0	31.5 47.3
148	56.6	51.6 77.4





#69

1,3,5-Trichlorobenzene

Concen: 1.966 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.627 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion:180 Resp: 5595

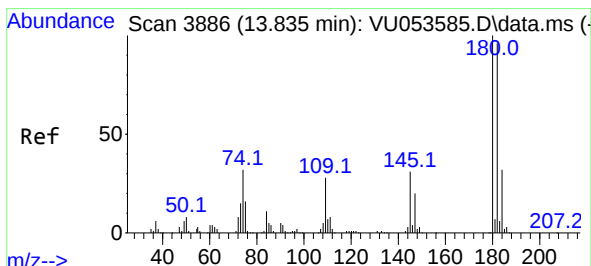
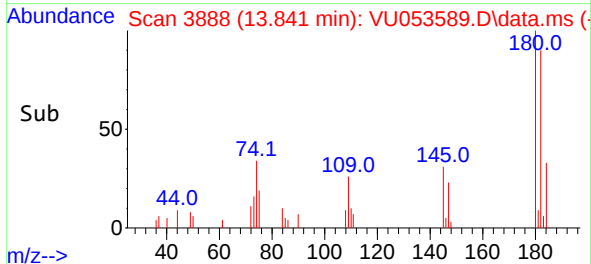
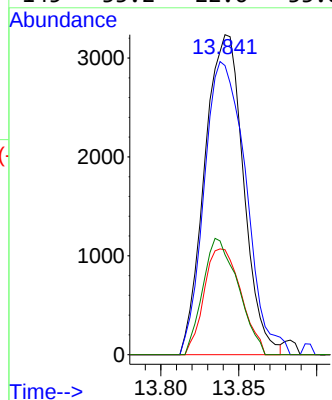
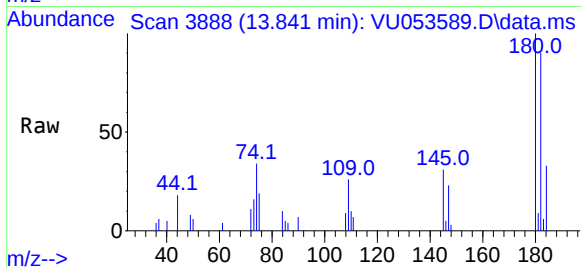
Ion Ratio Lower Upper

180 100

182 98.2 75.6 113.4

184 31.5 24.2 36.2

145 33.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 2.121 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

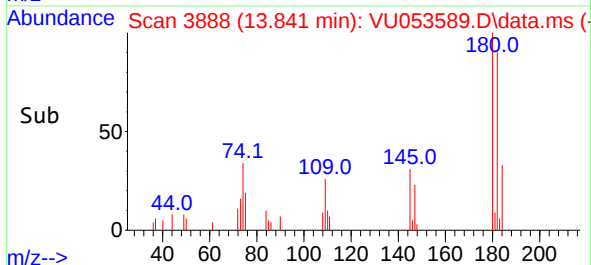
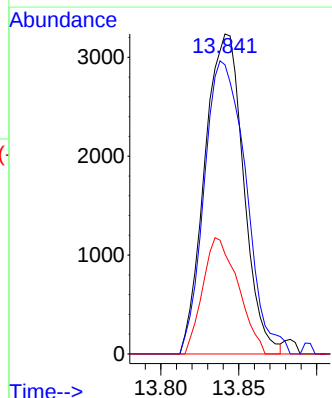
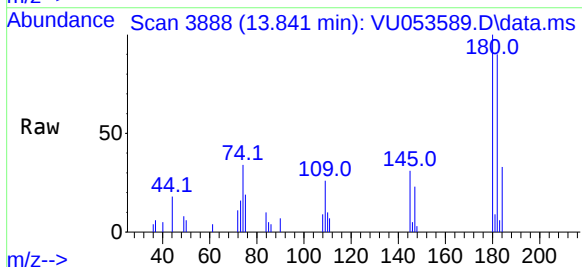
Tgt Ion:180 Resp: 5595

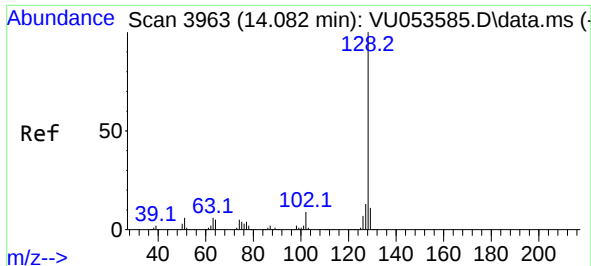
Ion Ratio Lower Upper

180 100

182 98.2 75.8 113.8

145 33.2 23.4 35.2

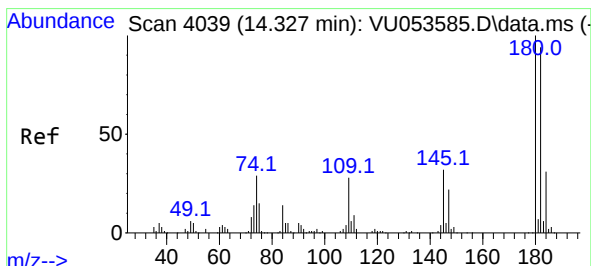
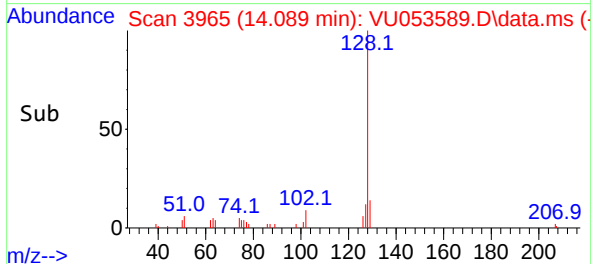
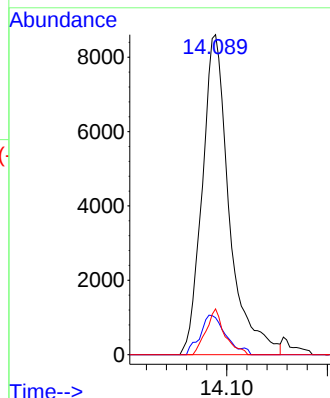
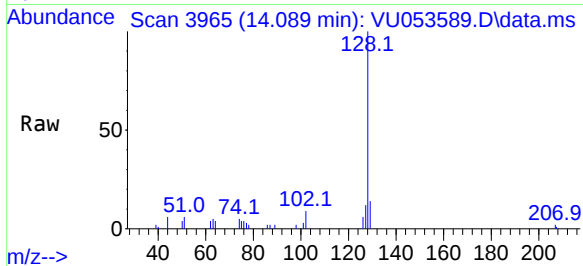




#71
Naphthalene
Concen: 2.033 ug/L
RT: 14.089 min Scan# 3963
Delta R.T. 0.010 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:	128	Resp:	16058
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.2	15.2
129	9.8	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.998 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:	180	Resp:	5264
Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.0	115.6
145	31.1	25.4	38.0

