

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110722\
 Data File : VU051771.D
 Acq On : 07 Nov 2022 16:25
 Operator : JC/MD
 Sample : N4519-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-08

Quant Time: Nov 08 00:39:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 08 00:38:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	510084	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	504483	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	231592	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	201456	49.774	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.540%		
7) Chloroethane-d5	1.912	69	176759	53.011	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	106.020%		
11) 1,1-Dichloroethene-d2	2.565	63	266478	38.677	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.360%		
21) 2-Butanone-d5	4.620	46	280058	98.160	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.160%		
24) Chloroform-d	5.060	84	368624	49.586	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.180%		
26) 1,2-Dichloroethane-d4	5.700	65	227807	49.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.580%		
32) Benzene-d6	5.726	84	774296	56.677	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	113.360%		
36) 1,2-Dichloropropane-d6	6.690	67	249329	55.575	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	111.140%		
41) Toluene-d8	7.896	98	669675	53.778	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.560%		
43) trans-1,3-Dichloroprop...	8.179	79	98573	51.601	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.200%		
47) 2-Hexanone-d5	8.632	63	206025	104.555	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.550%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	369117	47.361	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.720%		
66) 1,2-Dichlorobenzene-d4	12.192	152	248412	57.299	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	114.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	8686	1.948	ug/L	99
3) Chloromethane	1.523	50	10456	1.835	ug/L	90
5) Vinyl chloride	1.601	62	12789	2.268	ug/L #	1
6) Bromomethane	1.855	94	6604	2.253	ug/L	97
8) Chloroethane	1.932	64	8165	2.423	ug/L	85
9) Trichlorofluoromethane	2.137	101	15145	2.321	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	11566	2.900	ug/L #	84
12) 1,1-Dichloroethene	2.578	96	10586	2.800	ug/L #	1
13) Acetone	2.626	43	16598	5.105	ug/L	98
14) Carbon disulfide	2.790	76	26528	2.155	ug/L	100
15) Methyl Acetate	2.951	43	10738	2.184	ug/L	99
16) Methylene chloride	3.044	84	13456	2.712	ug/L	90
17) trans-1,2-Dichloroethene	3.353	96	9070	2.333	ug/L	93
18) Methyl tert-butyl Ether	3.363	73	25146	2.262	ug/L	98
19) 1,1-Dichloroethane	3.871	63	17838	2.326	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	10321	2.433	ug/L	95
22) 2-Butanone	4.713	43	14394	3.815	ug/L	92
23) Bromochloromethane	4.973	128	5539	2.328	ug/L	91
27) 1,2-Dichloroethane	5.797	62	13666	2.226	ug/L #	89

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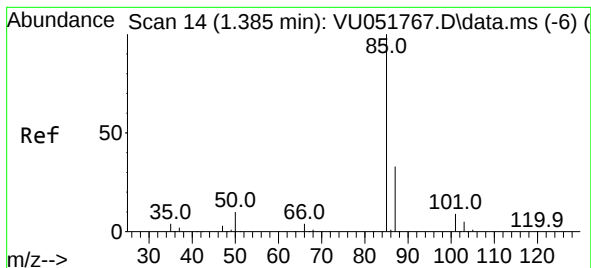
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	11162	2.106	ug/L	93
30) 1,1,1-Trichloroethane	5.314	97	13606	2.274	ug/L	95
31) Carbon tetrachloride	5.523	117	11583	2.293	ug/L	94
33) Benzene	5.774	78	40294	2.443	ug/L	100
35) Methylcyclohexane	6.761	83	13339	2.343	ug/L	97
37) 1,2-Dichloropropane	6.790	63	11348	2.509	ug/L	99
38) Bromodichloromethane	7.105	83	13016	2.261	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	14083	2.362	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	25165	4.164	ug/L	99
42) Toluene	7.967	91	42674	2.522	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	14002	2.413	ug/L	92
45) 1,1,2-Trichloroethane	8.398	97	10873	2.409	ug/L	99
46) Tetrachloroethene	8.552	164	7687	2.588	ug/L	95
49) Dibromochloromethane	8.809	129	10658	2.307	ug/L	98
50) 1,2-Dibromoethane	8.925	107	11244	2.431	ug/L #	97
51) Chlorobenzene	9.446	112	27532	2.484	ug/L	99
52) Ethylbenzene	9.568	91	37598	2.203	ug/L	98
53) m,p-Xylene	9.690	106	13748	2.090	ug/L	99
54) o-Xylene	10.099	106	12849	1.969	ug/L	98
55) Styrene	10.115	104	19512	1.721	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.780	83	20947	2.432	ug/L	100
59) Bromoform	10.291	173	7536	2.336	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	14670	2.444	ug/L	98
61) Isopropylbenzene	10.481	105	31017	2.133	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	23915	1.936	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	21898	1.800	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	18001	2.425	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	19226	2.518	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	21297	2.754	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	3724	2.299	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	12958	2.602	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	11059	2.884	ug/L	97
71) Naphthalene	14.086	128	28243	2.301	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	10651	2.588	ug/L	93

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

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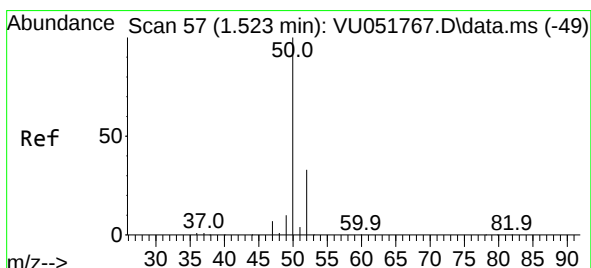
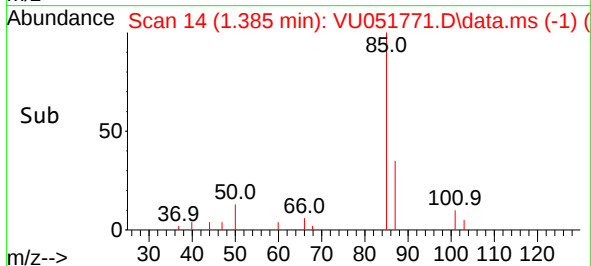
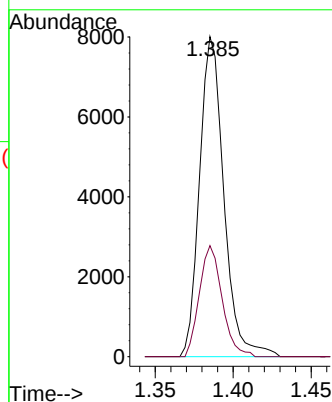
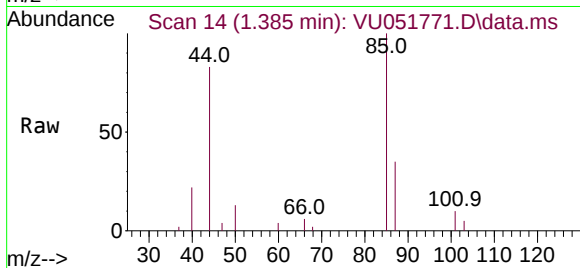




#2
Dichlorodifluoromethane
Concen: 1.948 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051771.D
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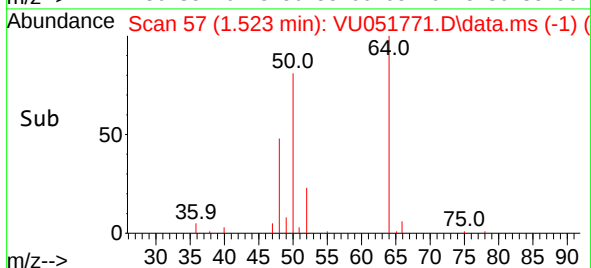
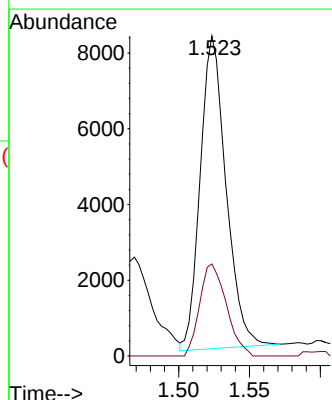
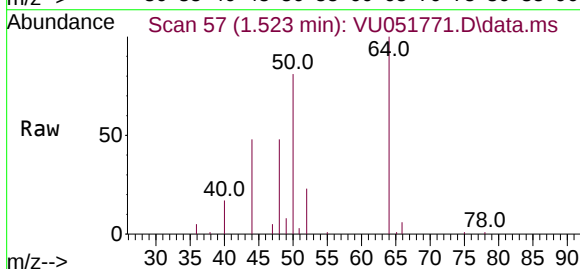
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

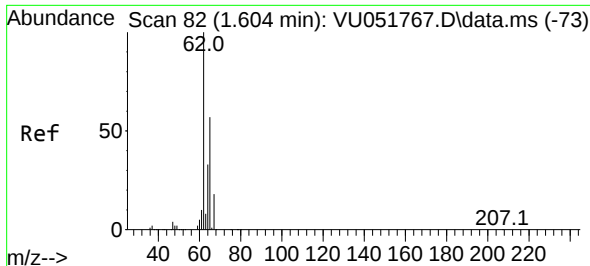
Tgt Ion: 85 Resp: 8686
Ion Ratio Lower Upper
85 100
87 32.5 25.7 38.5



#3
Chloromethane
Concen: 1.835 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 50 Resp: 10456
Ion Ratio Lower Upper
50 100
52 28.7 24.1 44.8

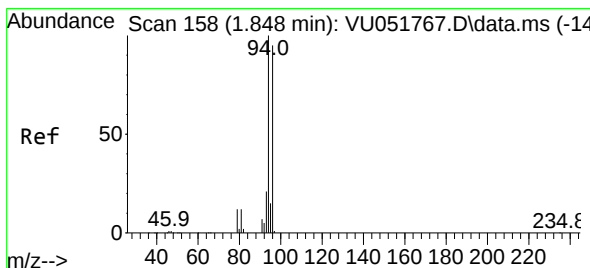
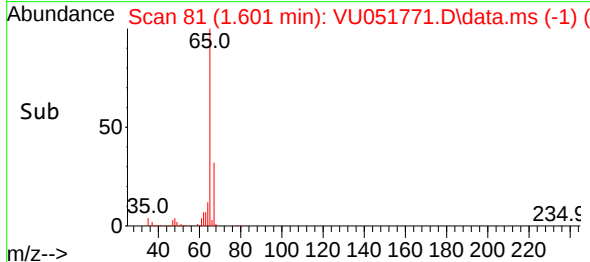
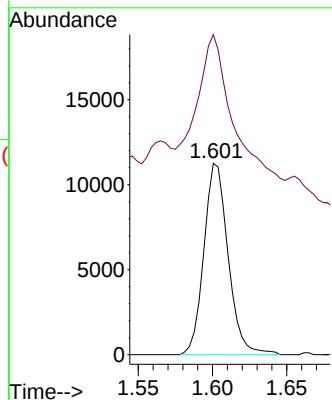
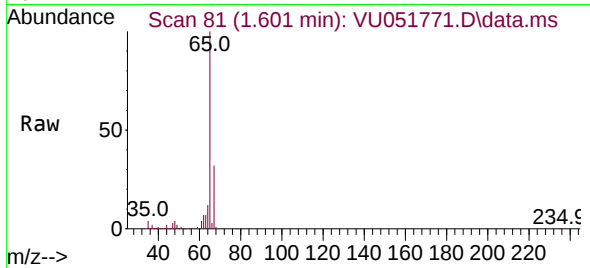




#5
 Vinyl chloride
 Concen: 2.268 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051771.D
 Acq: 07 Nov 2022 16:25

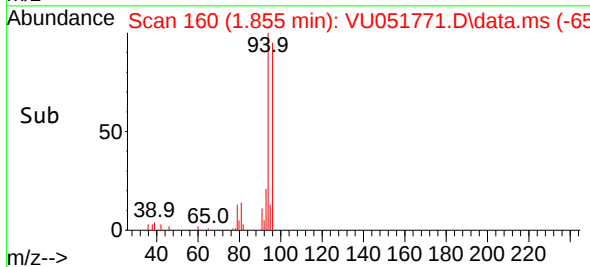
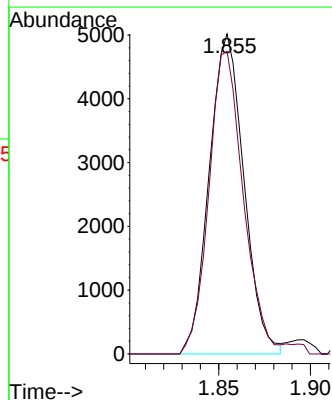
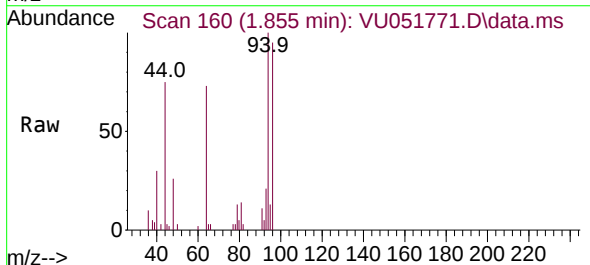
Instrument :
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 MDL-MED-SOIL-QT4-2022-08

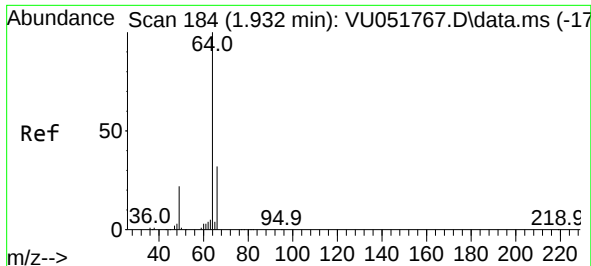
Tgt Ion: 62 Resp: 12789
 Ion Ratio Lower Upper
 62 100
 64 167.2 23.2 43.2#



#6
 Bromomethane
 Concen: 2.253 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.007 min
 Lab File: VU051771.D
 Acq: 07 Nov 2022 16:25

Tgt Ion: 94 Resp: 6604
 Ion Ratio Lower Upper
 94 100
 96 94.6 64.5 119.9

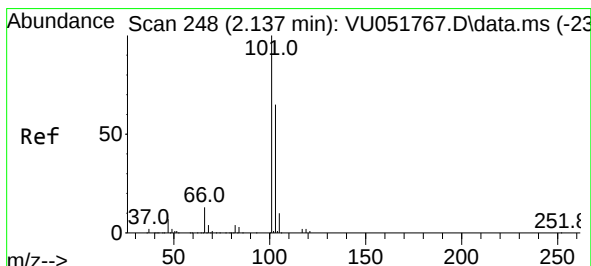
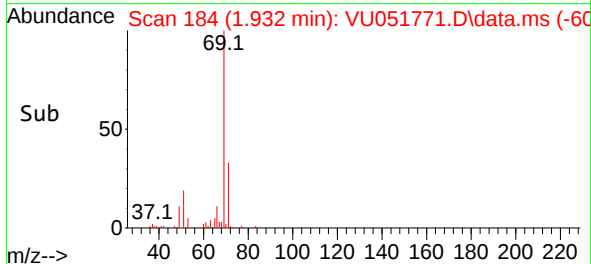
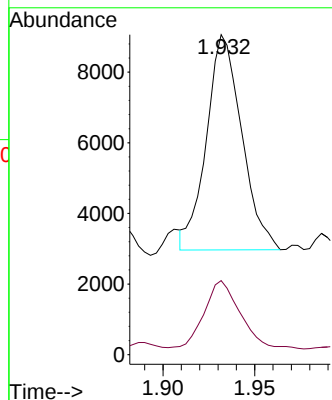
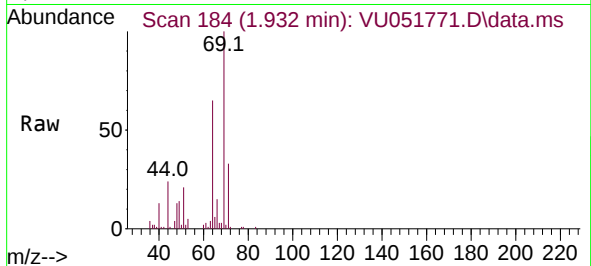




#8
Chloroethane
Concen: 2.423 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

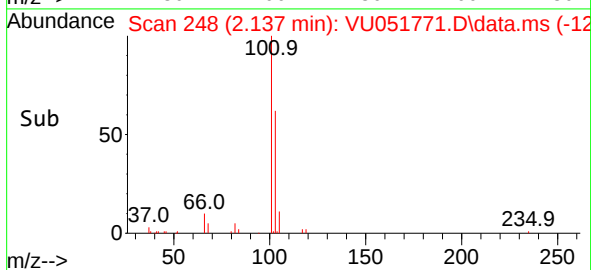
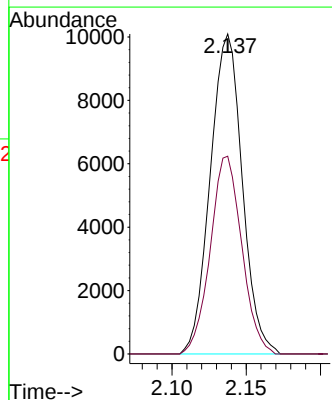
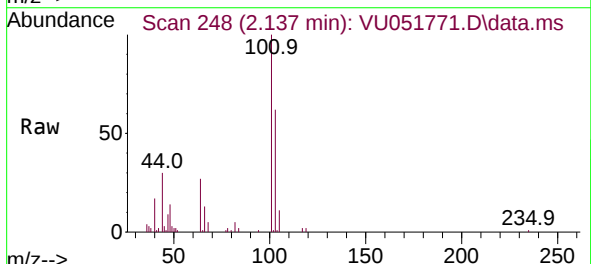
Instrument :
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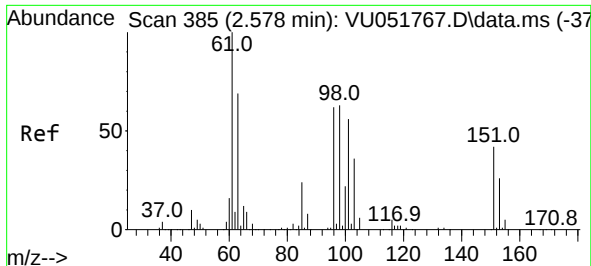
Tgt Ion: 64 Resp: 8165
Ion Ratio Lower Upper
64 100
66 23.1 21.9 40.7



#9
Trichlorofluoromethane
Concen: 2.321 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 101 Resp: 15145
Ion Ratio Lower Upper
101 100
103 60.7 51.0 76.4

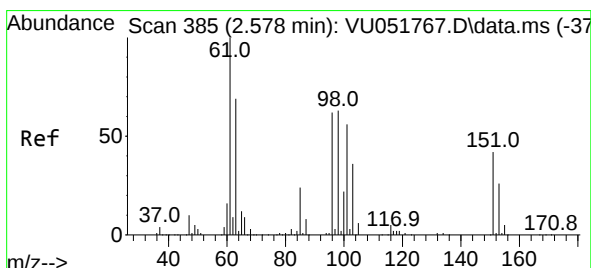
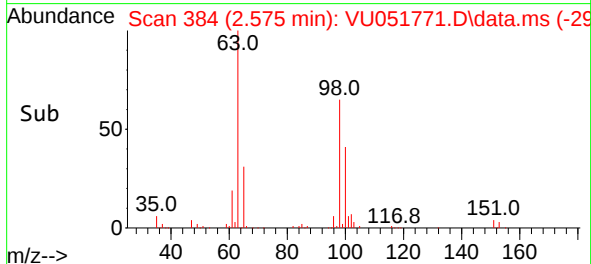
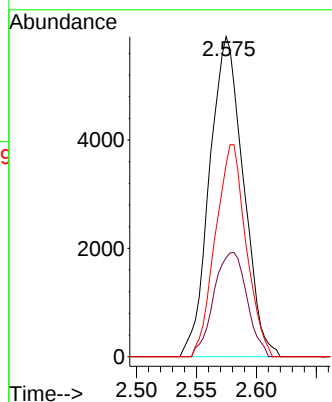
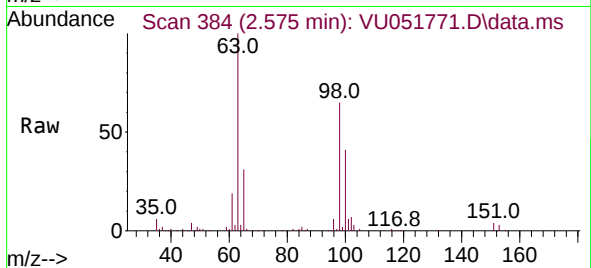




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.900 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051771.D
 Acq: 07 Nov 2022 16:25

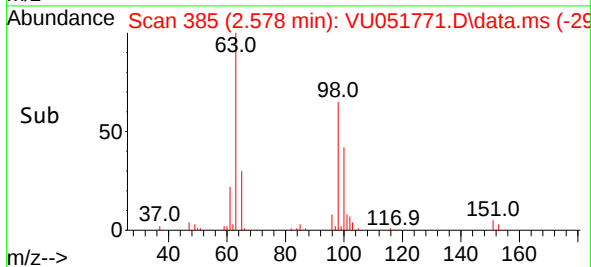
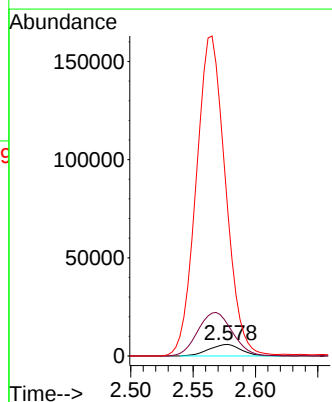
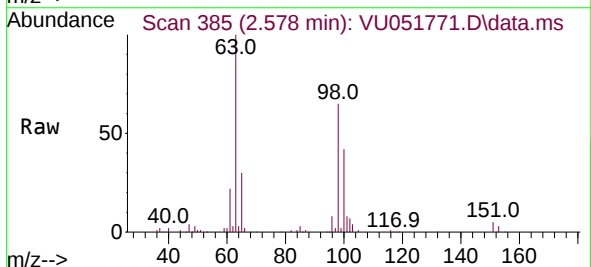
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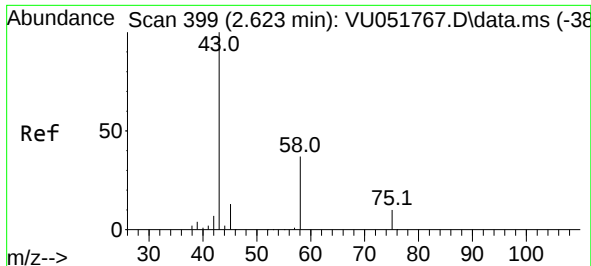
Tgt Ion:101 Resp: 11566
 Ion Ratio Lower Upper
 101 100
 85 31.9 35.2 52.8#
 151 60.2 57.8 86.8



#12
 1,1-Dichloroethene
 Concen: 2.800 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051771.D
 Acq: 07 Nov 2022 16:25

Tgt Ion: 96 Resp: 10586
 Ion Ratio Lower Upper
 96 100
 61 268.3 119.0 221.0#
 63 1234.9 78.5 145.7#





#13

Acetone

Concen: 5.105 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

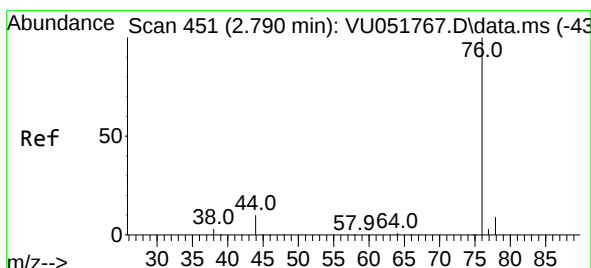
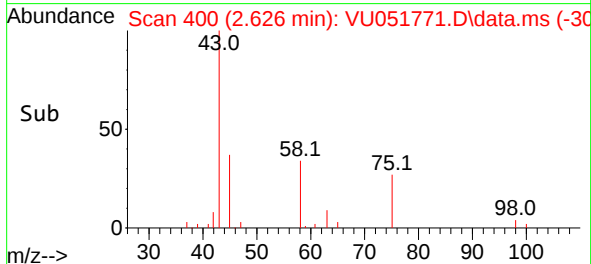
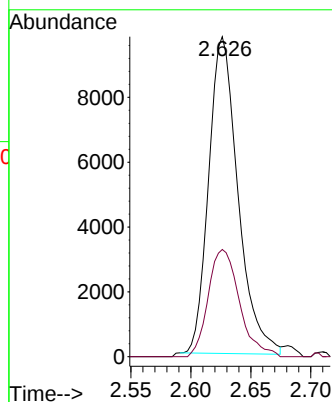
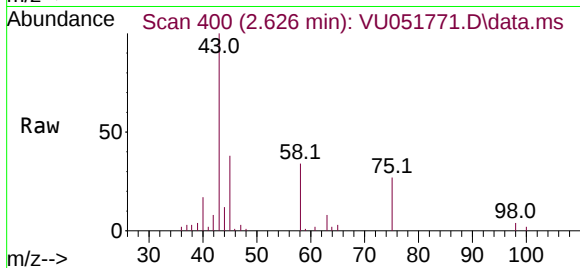
MDL-MED-SOIL-QT4-2022-08

Tgt Ion: 43 Resp: 16598

Ion Ratio Lower Upper

43 100

58 36.0 0.0 70.2



#14

Carbon disulfide

Concen: 2.155 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051771.D

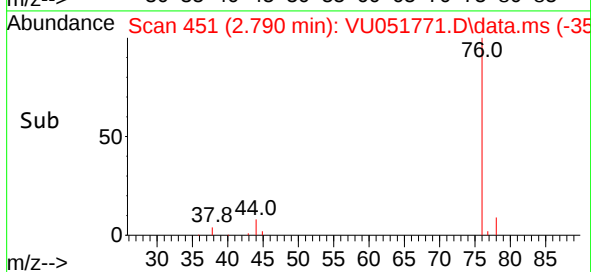
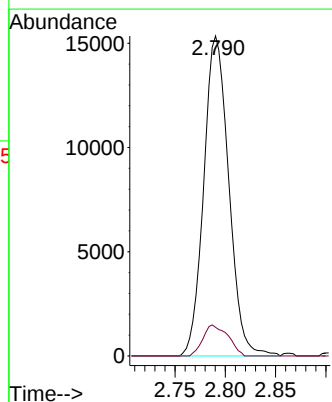
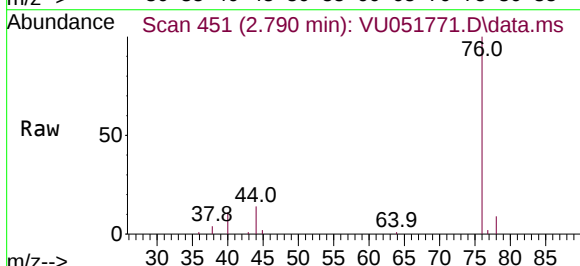
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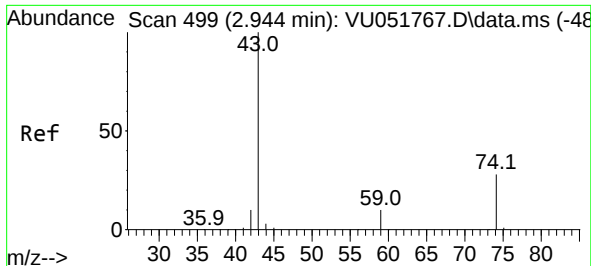
Tgt Ion: 76 Resp: 26528

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

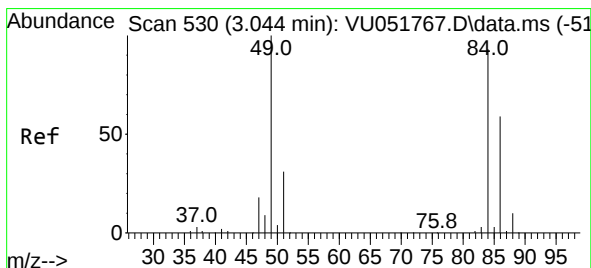
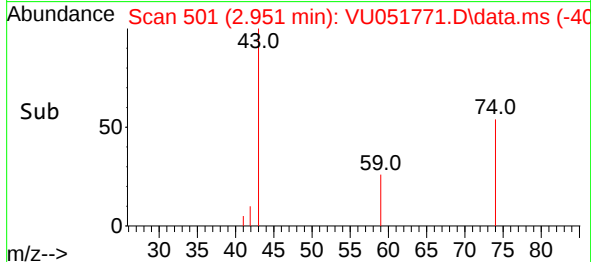
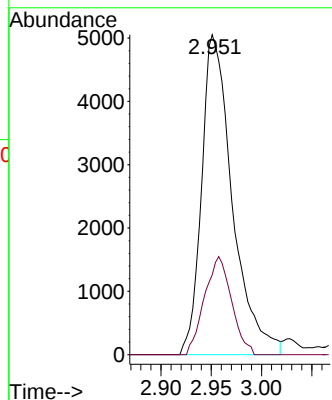
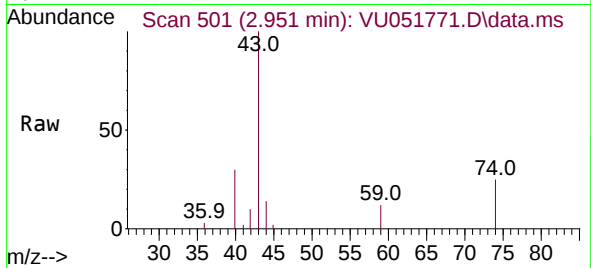




#15
Methyl Acetate
Concen: 2.184 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

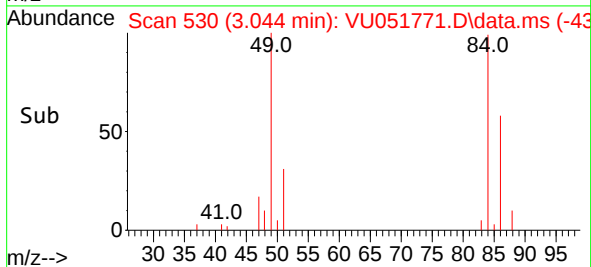
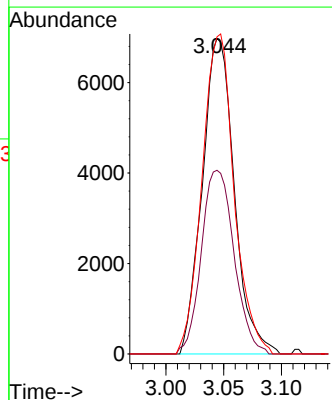
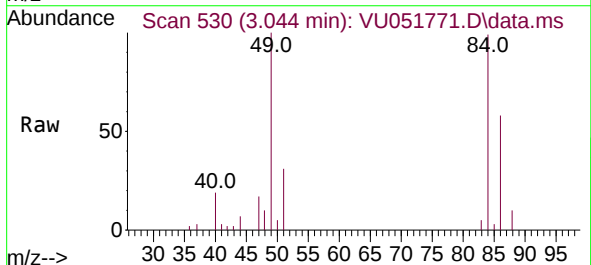
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

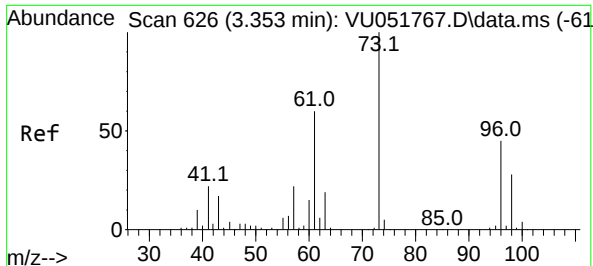
Tgt Ion: 43 Resp: 10738
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7



#16
Methylene chloride
Concen: 2.712 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 84 Resp: 13456
Ion Ratio Lower Upper
84 100
86 58.2 45.8 85.2
49 100.6 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 2.333 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

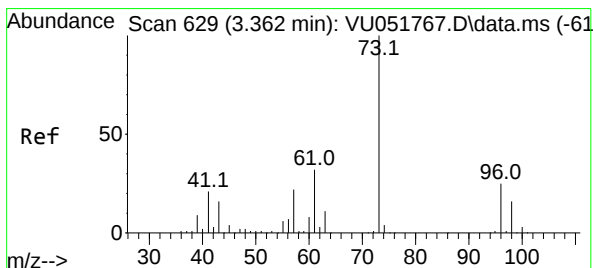
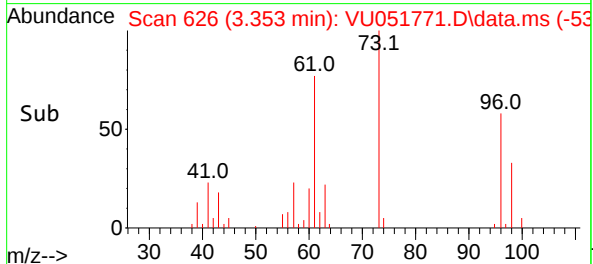
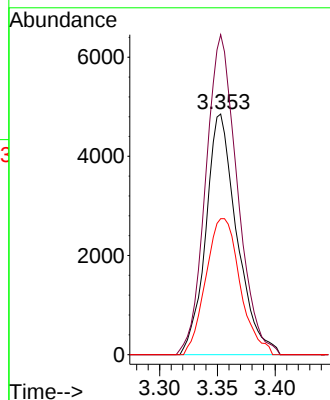
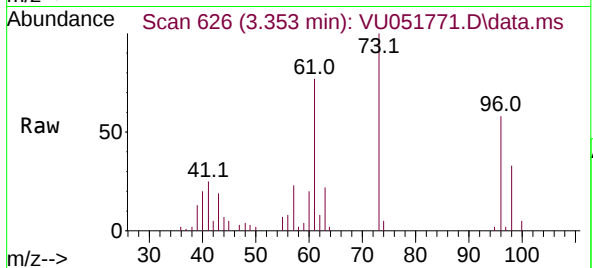
Tgt Ion: 96 Resp: 9070

Ion Ratio Lower Upper

96 100

61 132.9 98.1 182.1

98 56.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 2.262 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

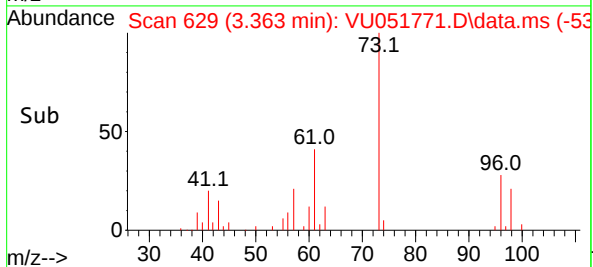
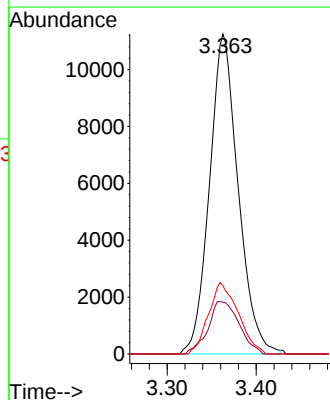
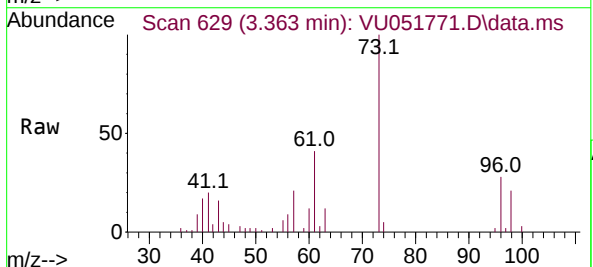
Tgt Ion: 73 Resp: 25146

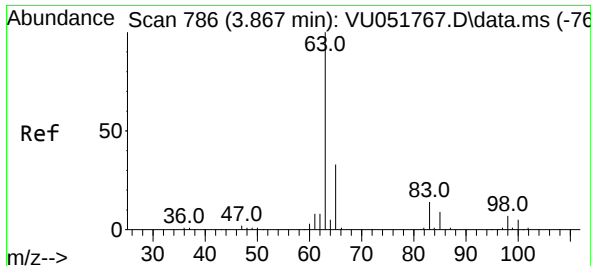
Ion Ratio Lower Upper

73 100

43 17.7 13.9 20.9

57 23.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.326 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

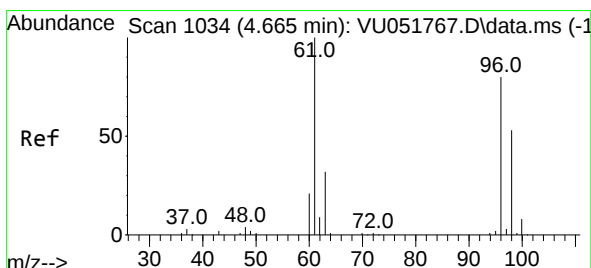
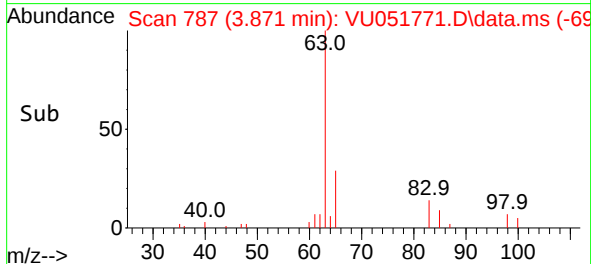
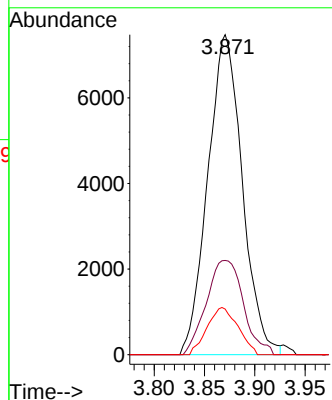
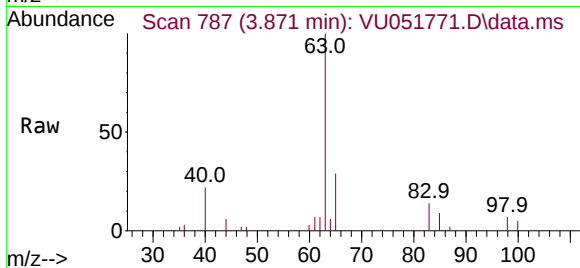
Tgt Ion: 63 Resp: 17838

Ion Ratio Lower Upper

63 100

65 29.5 22.1 41.1

83 14.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 2.433 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

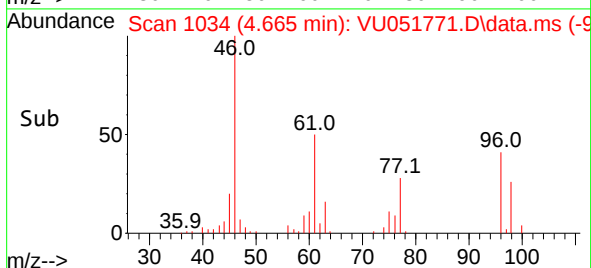
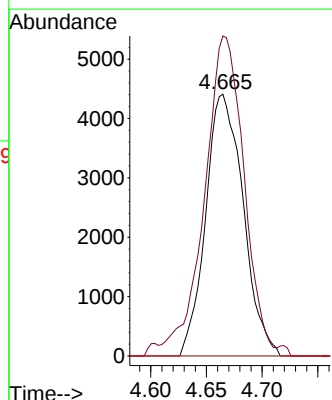
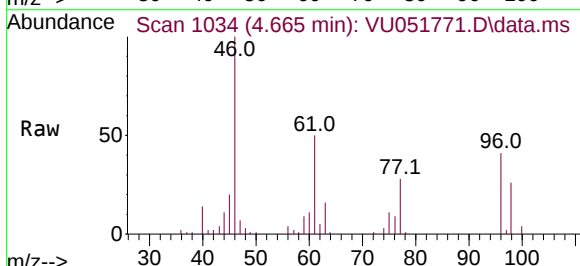
Tgt Ion: 96 Resp: 10321

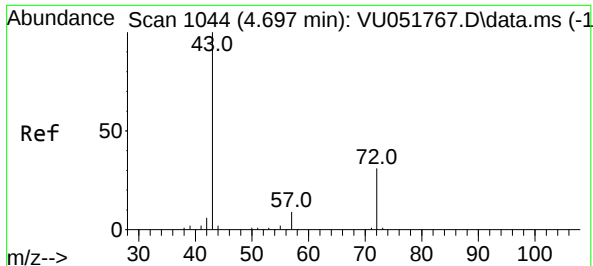
Ion Ratio Lower Upper

96 100

61 122.2 89.7 166.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.815 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.016 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

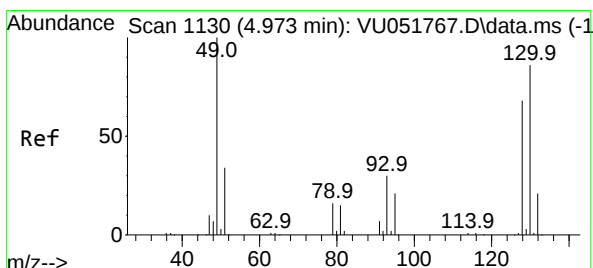
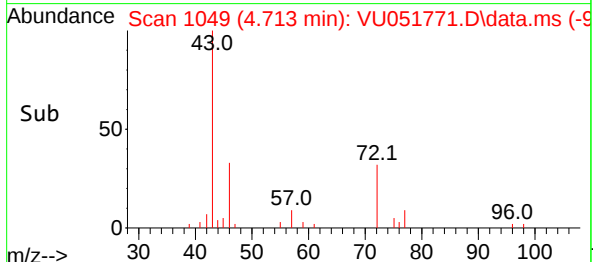
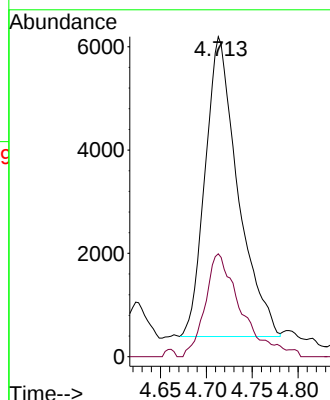
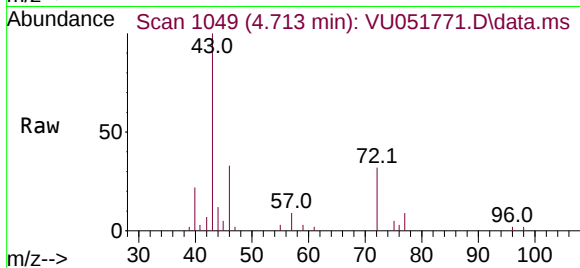
MDL-MED-SOIL-QT4-2022-08

Tgt Ion: 43 Resp: 14394

Ion Ratio Lower Upper

43 100

72 34.7 15.2 45.6



#23

Bromochloromethane

Concen: 2.328 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Tgt Ion:128 Resp: 5539

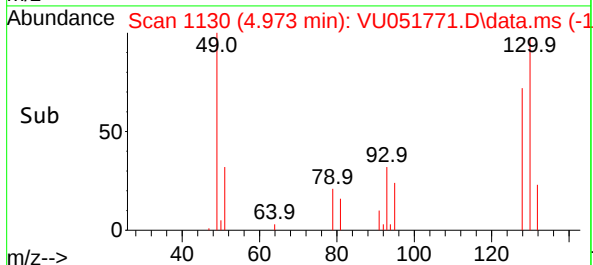
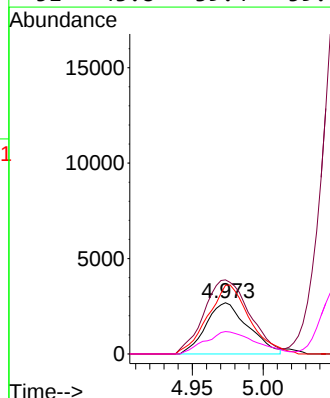
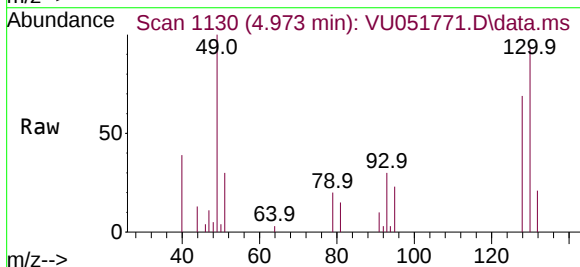
Ion Ratio Lower Upper

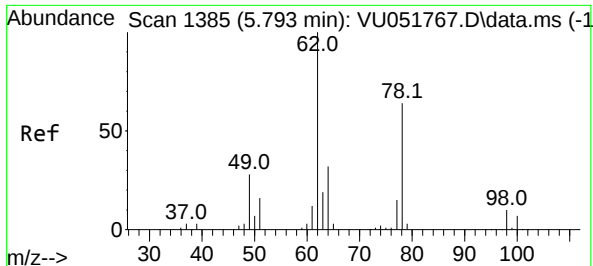
128 100

49 145.0 111.9 207.9

130 134.3 88.2 163.8

51 43.8 39.4 59.0

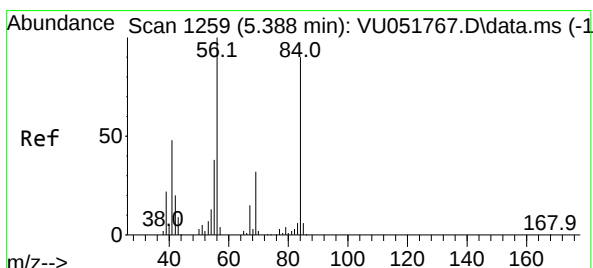
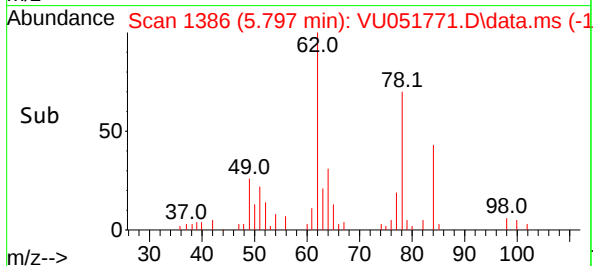
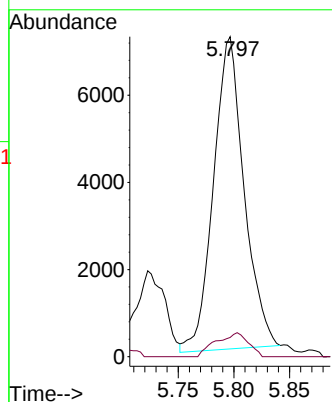
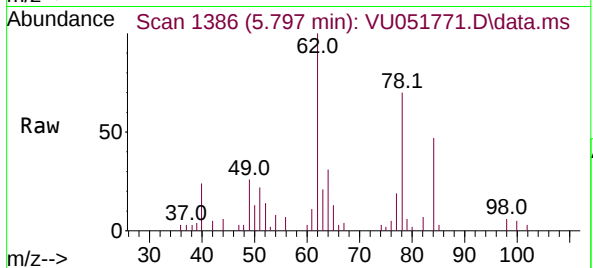




#27
1,2-Dichloroethane
Concen: 2.226 ug/L
RT: 5.797 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

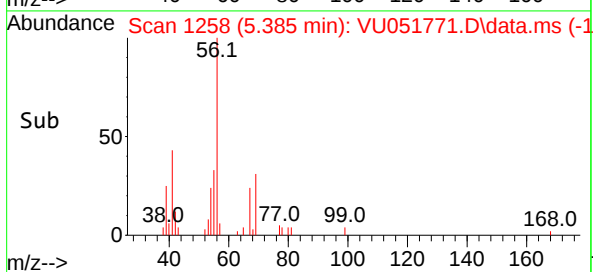
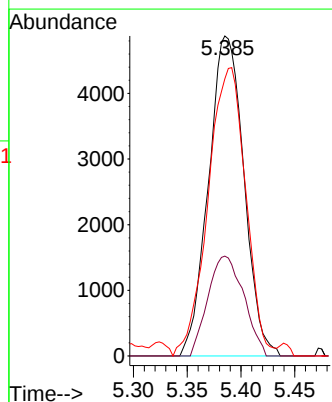
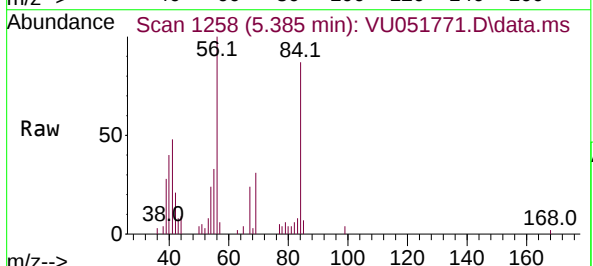
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2022-08

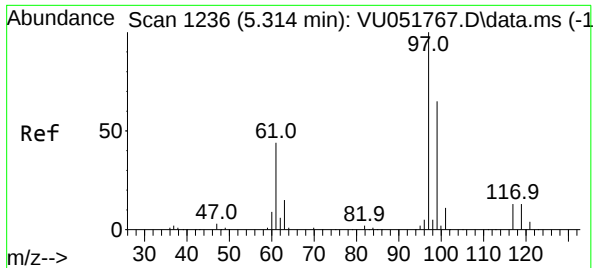
Tgt Ion: 62 Resp: 13666
Ion Ratio Lower Upper
62 100
98 6.0 8.0 12.0#



#29
Cyclohexane
Concen: 2.106 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 56 Resp: 11162
Ion Ratio Lower Upper
56 100
69 31.5 25.5 38.3
84 95.4 69.8 104.6

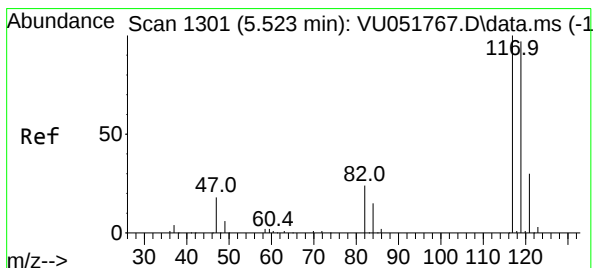
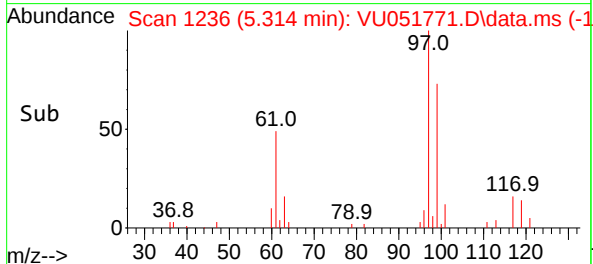
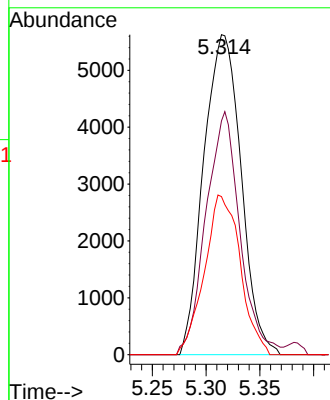
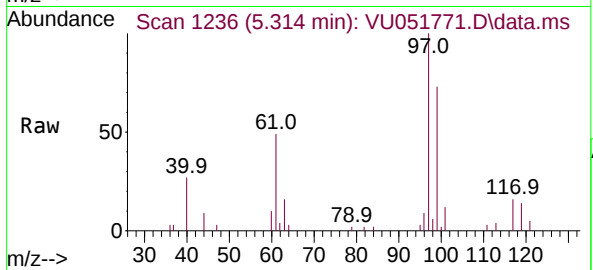




#30
1,1,1-Trichloroethane
Concen: 2.274 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

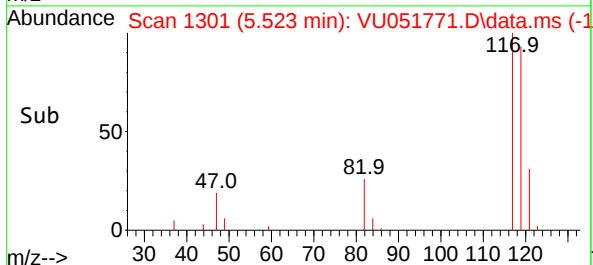
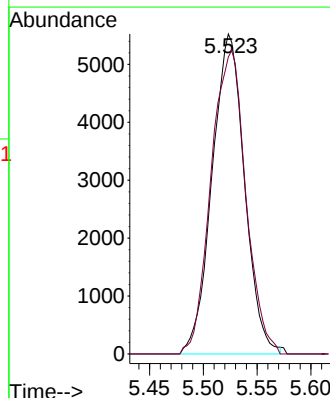
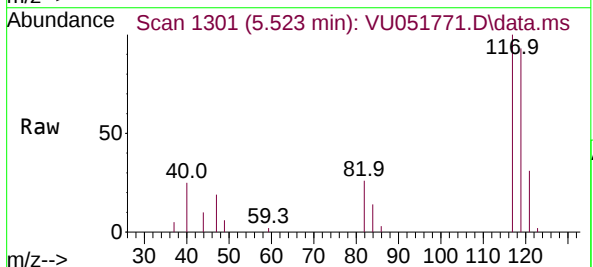
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

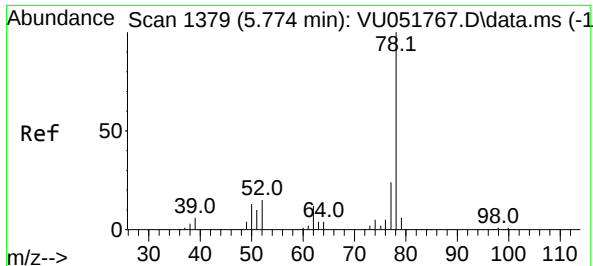
Tgt Ion:	97	Resp:	13606
Ion	Ratio	Lower	Upper
97	100		
99	68.9	50.7	76.1
61	47.7	36.7	55.1



#31
Carbon tetrachloride
Concen: 2.293 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion:	117	Resp:	11583
Ion	Ratio	Lower	Upper
117	100		
119	101.8	77.0	115.6

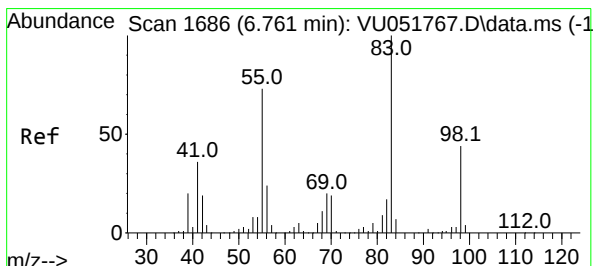
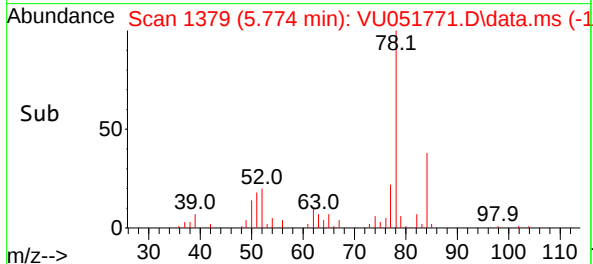
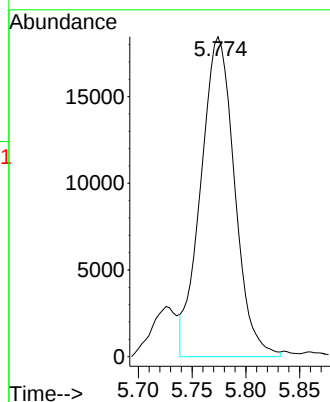
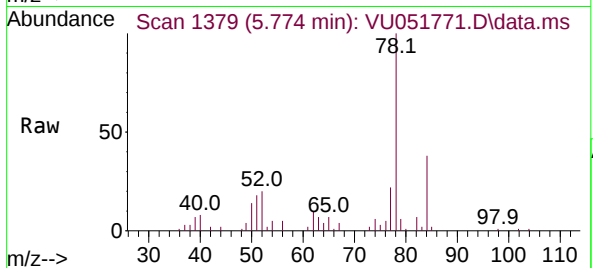




#33
Benzene
Concen: 2.443 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

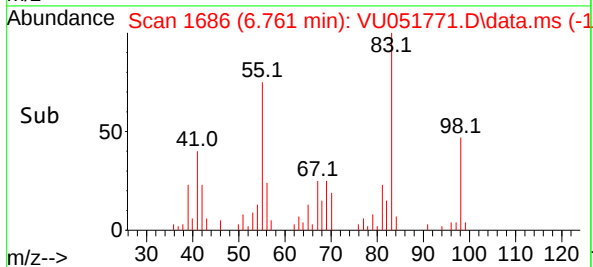
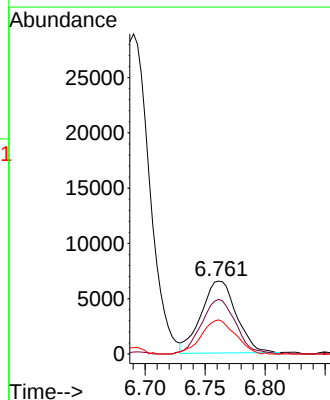
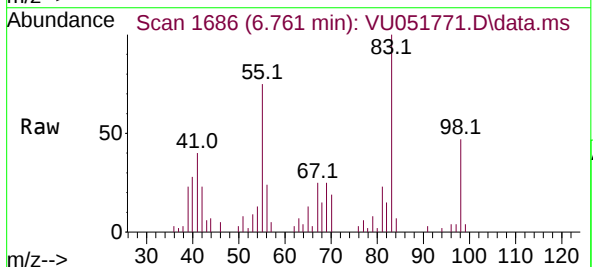
Tgt Ion: 78 Resp: 40294

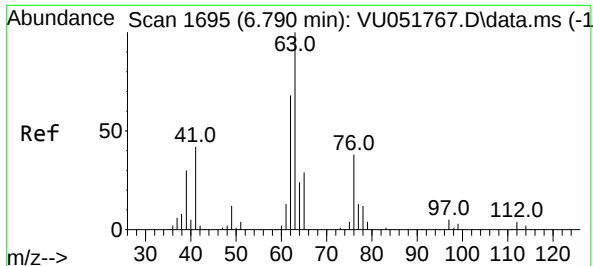


#35
Methylcyclohexane
Concen: 2.343 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 83 Resp: 13339

Ion	Ratio	Lower	Upper
83	100		
55	73.4	62.6	93.8
98	45.3	36.2	54.4





#37

1,2-Dichloropropane

Concen: 2.509 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

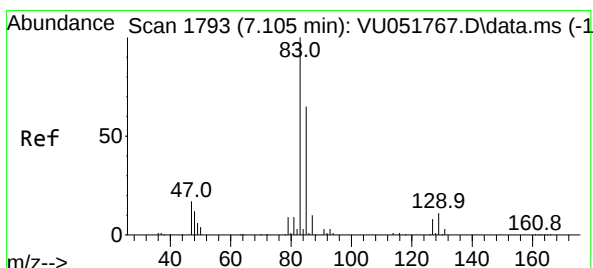
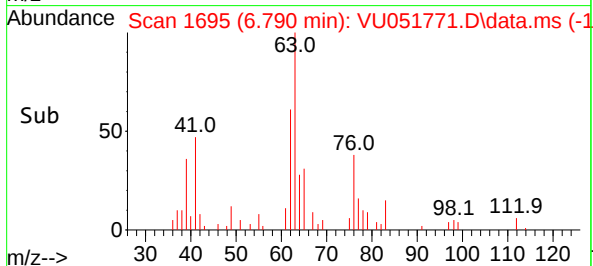
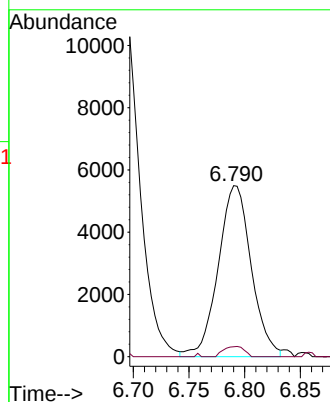
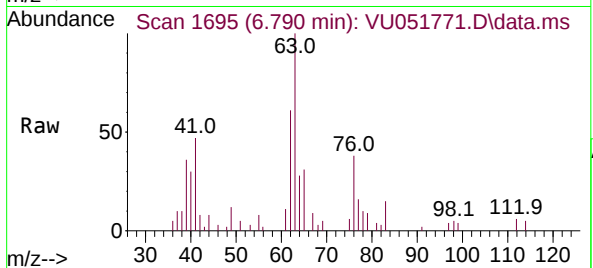
MDL-MED-SOIL-QT4-2022-08

Tgt Ion: 63 Resp: 11348

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



#38

Bromodichloromethane

Concen: 2.261 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

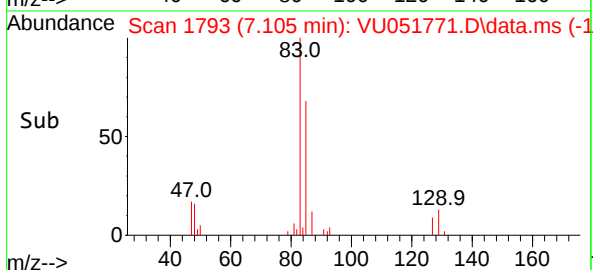
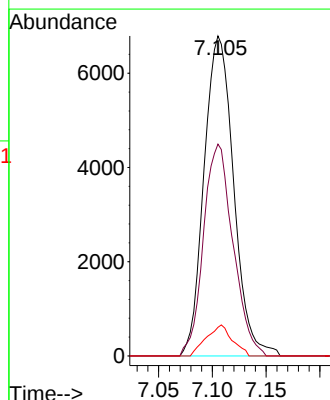
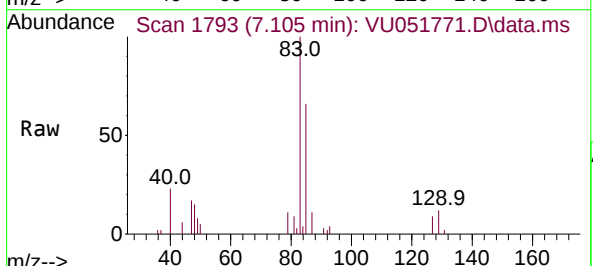
Tgt Ion: 83 Resp: 13016

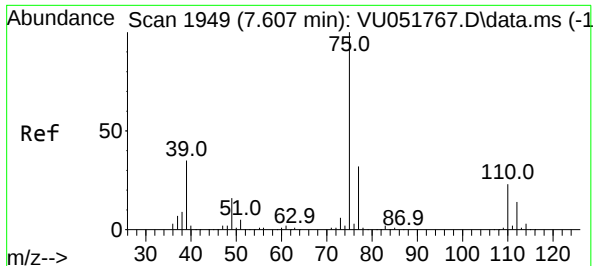
Ion Ratio Lower Upper

83 100

85 66.2 44.9 83.5

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 2.362 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

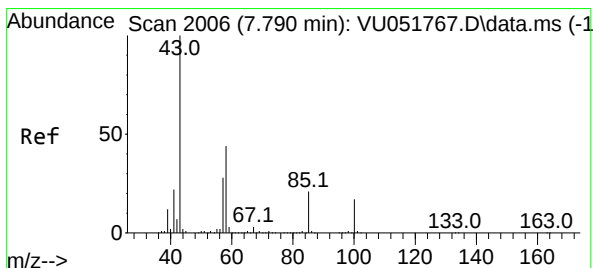
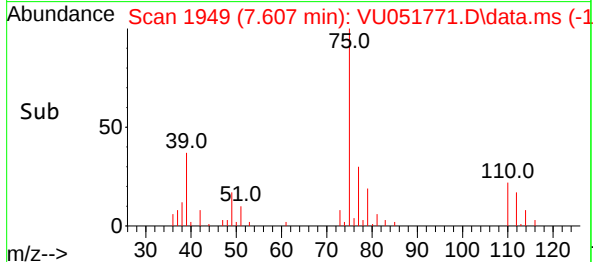
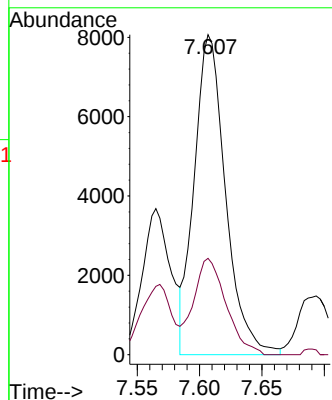
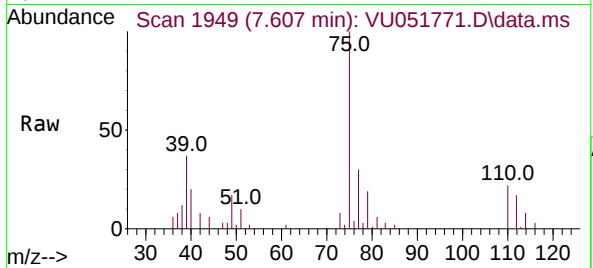
MDL-MED-SOIL-QT4-2022-08

Tgt Ion: 75 Resp: 14083

Ion Ratio Lower Upper

75 100

77 30.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 4.164 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

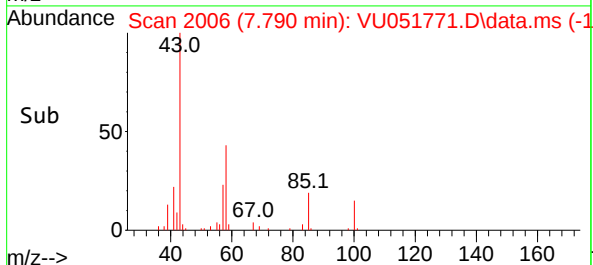
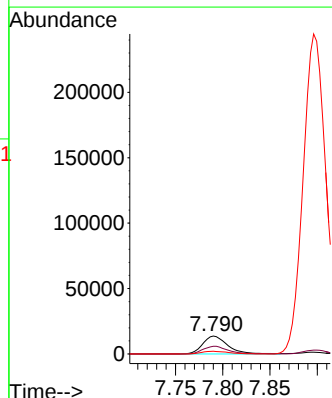
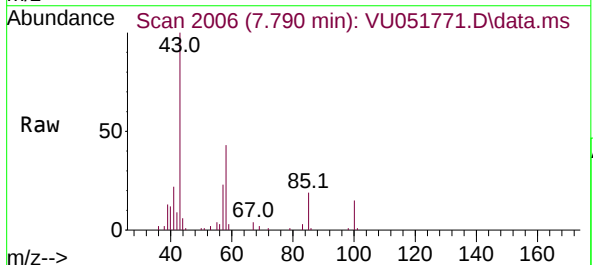
Tgt Ion: 43 Resp: 25165

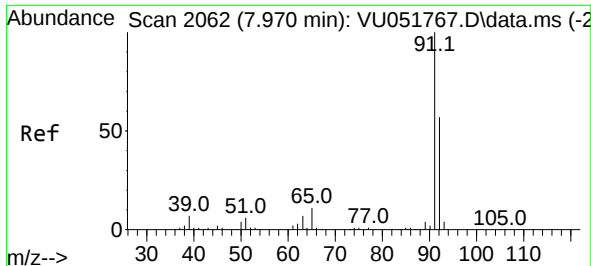
Ion Ratio Lower Upper

43 100

58 43.3 34.4 51.6

100 15.6 12.9 19.3





#42

Toluene

Concen: 2.522 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

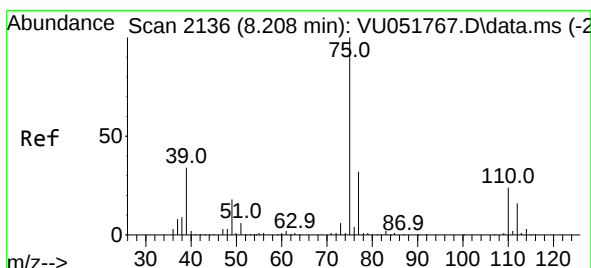
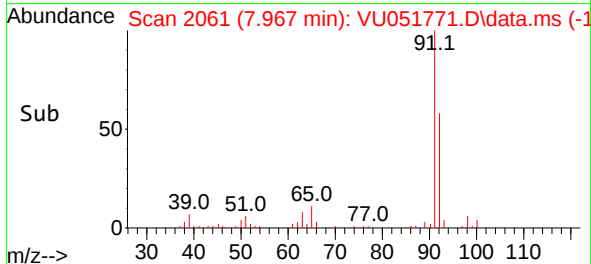
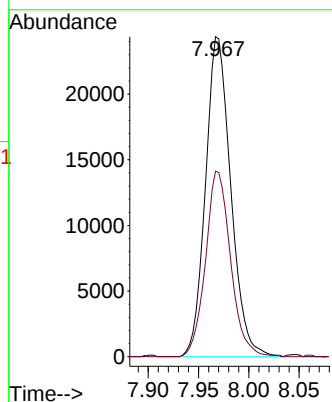
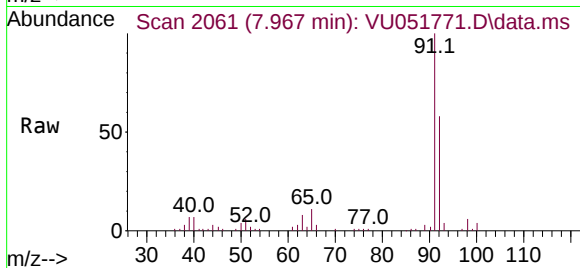
MDL-MED-SOIL-QT4-2022-08

Tgt Ion: 91 Resp: 42674

Ion Ratio Lower Upper

91 100

92 58.0 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 2.413 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051771.D

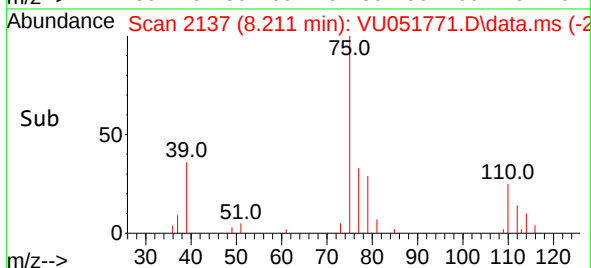
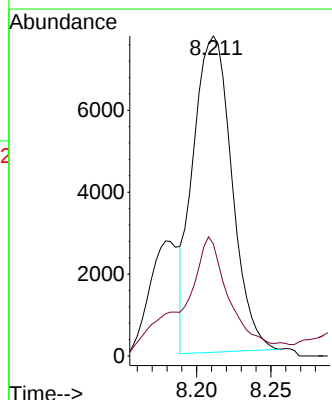
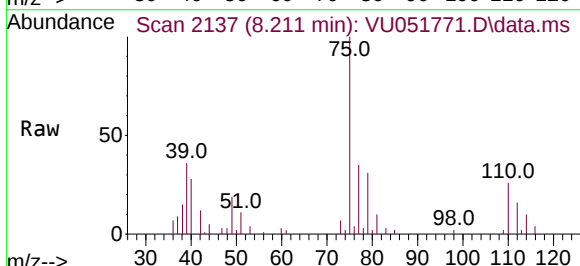
Acq: 07 Nov 2022 16:25

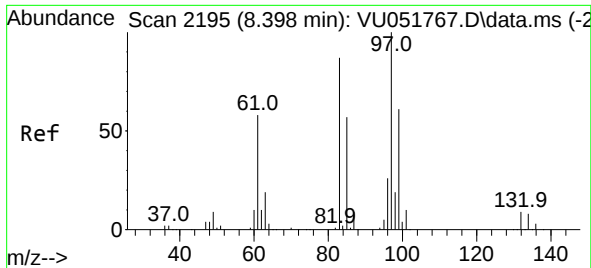
Tgt Ion: 75 Resp: 14002

Ion Ratio Lower Upper

75 100

77 35.0 21.3 39.5

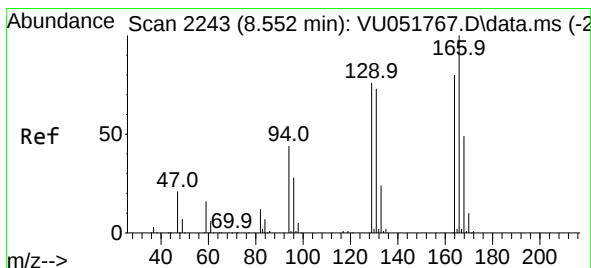
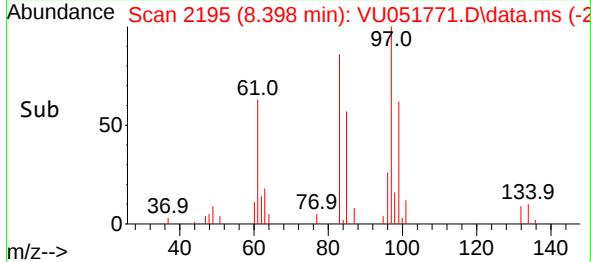
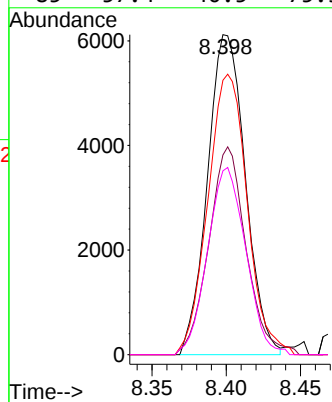
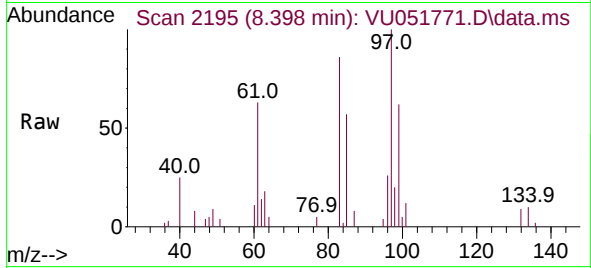




#45
1,1,2-Trichloroethane
Concen: 2.409 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

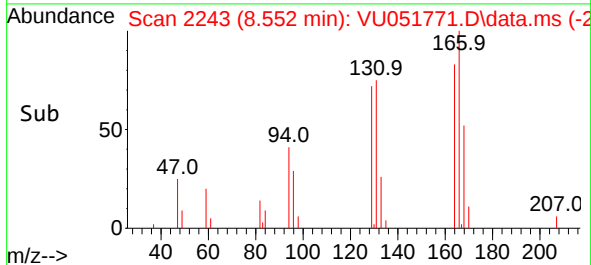
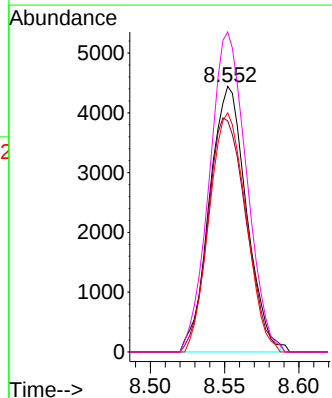
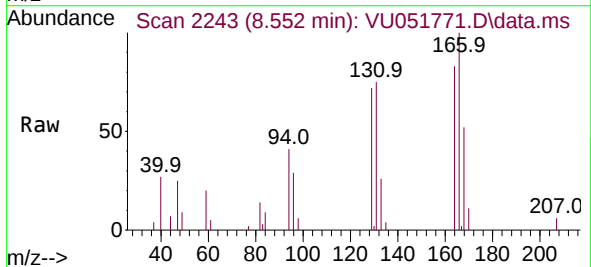
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2022-08

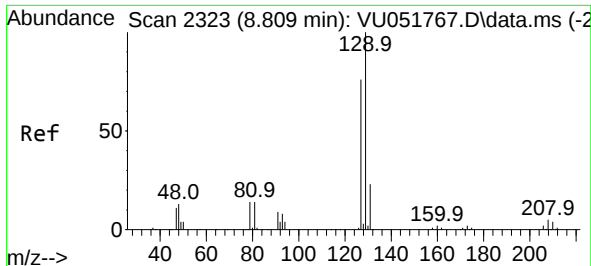
Tgt Ion: 97	Resp: 10873
Ion Ratio	Lower Upper
97 100	
99 62.4	43.6 81.0
83 85.8	61.8 114.8
85 57.4	40.5 75.3



#46
Tetrachloroethene
Concen: 2.588 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion:164	Resp: 7687
Ion Ratio	Lower Upper
164 100	
129 87.0	67.3 124.9
131 90.0	65.2 121.0
166 120.5	87.0 161.6





#49

Dibromochloromethane

Concen: 2.307 ug/L

RT: 8.809 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

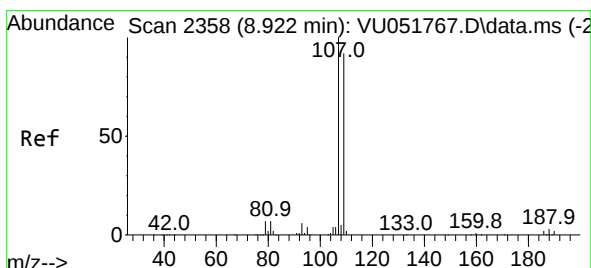
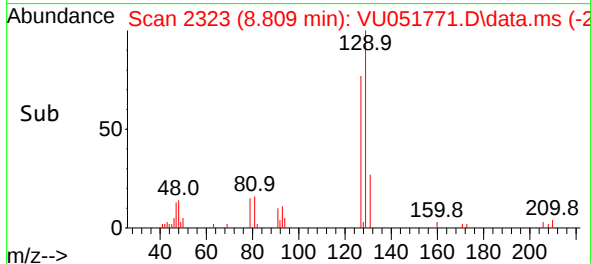
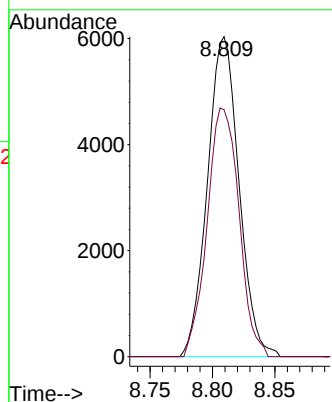
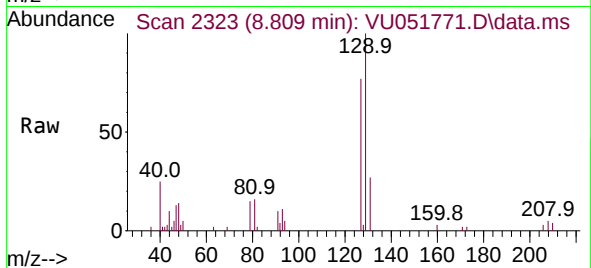
MDL-MED-SOIL-QT4-2022-08

Tgt Ion:129 Resp: 10658

Ion Ratio Lower Upper

129 100

127 77.2 53.1 98.5



#50

1,2-Dibromoethane

Concen: 2.431 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. 0.003 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

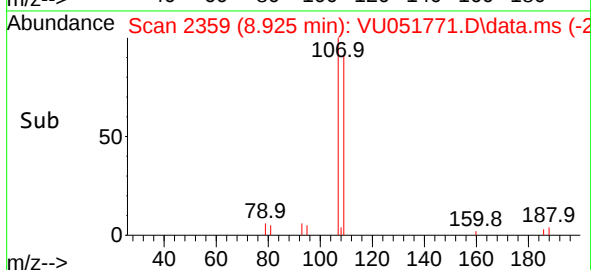
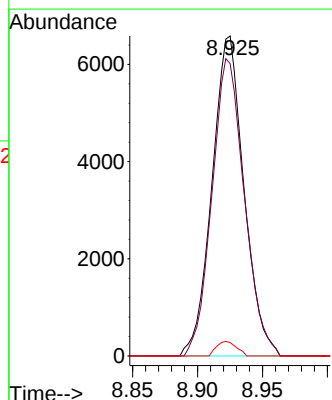
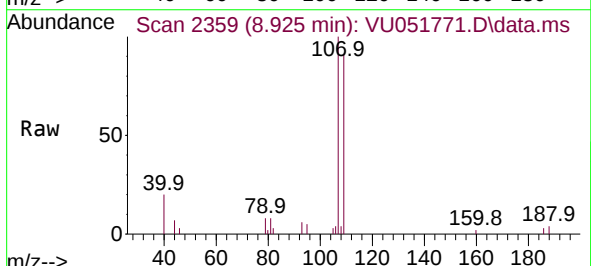
Tgt Ion:107 Resp: 11244

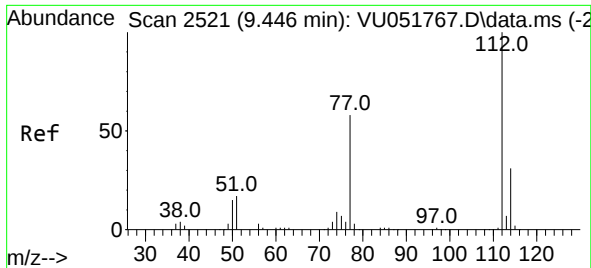
Ion Ratio Lower Upper

107 100

109 91.4 65.8 122.2

188 4.2 2.7 4.1#

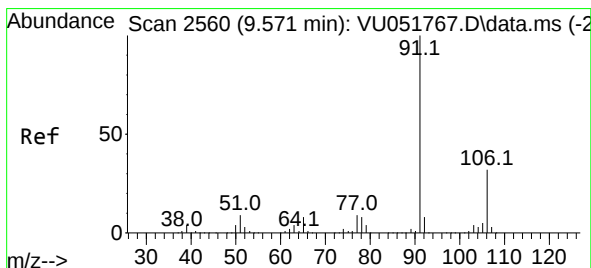
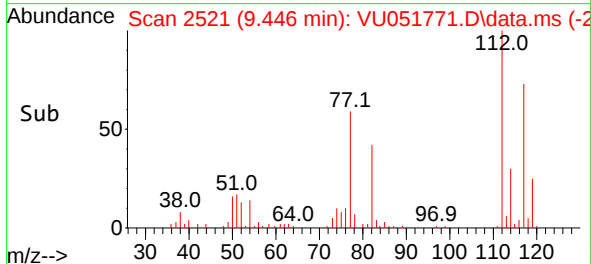
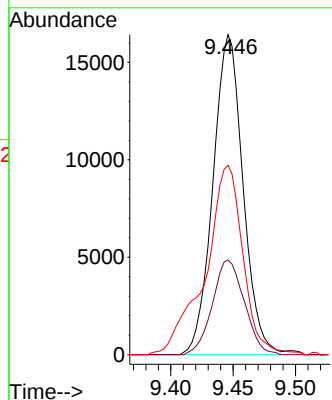
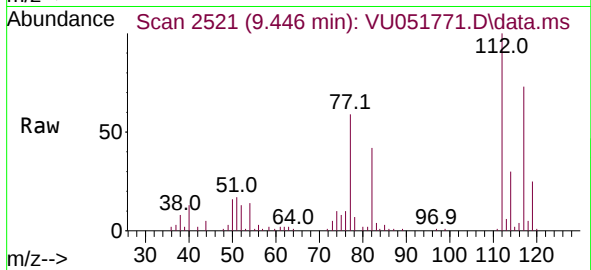




#51
Chlorobenzene
Concen: 2.484 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

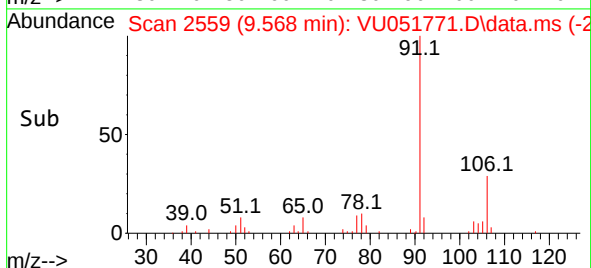
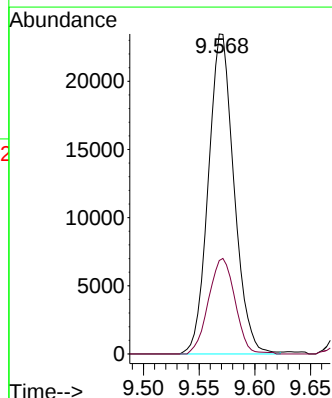
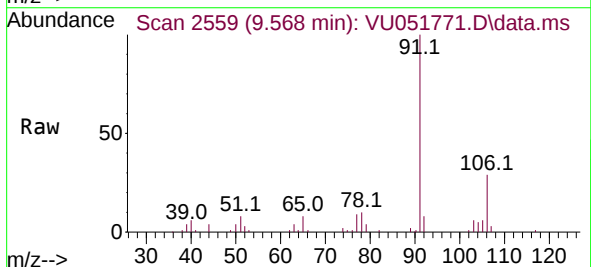
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

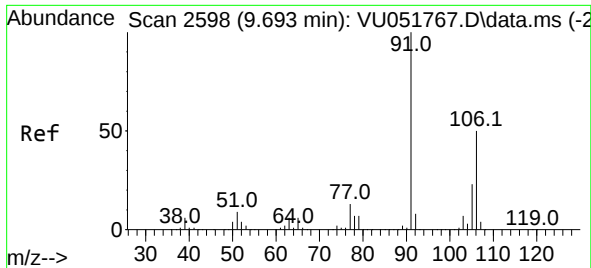
Tgt Ion:112 Resp: 27532
Ion Ratio Lower Upper
112 100
114 29.6 21.9 40.7
77 59.2 47.3 70.9



#52
Ethylbenzene
Concen: 2.203 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 91 Resp: 37598
Ion Ratio Lower Upper
91 100
106 29.2 21.3 39.6

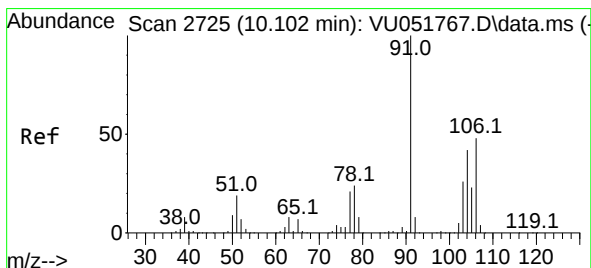
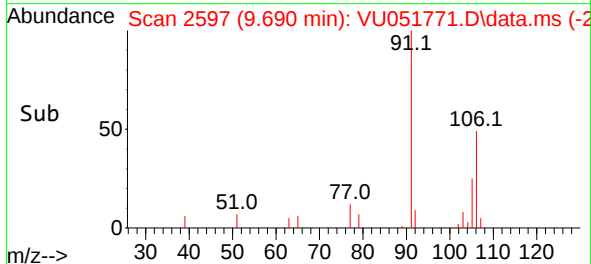
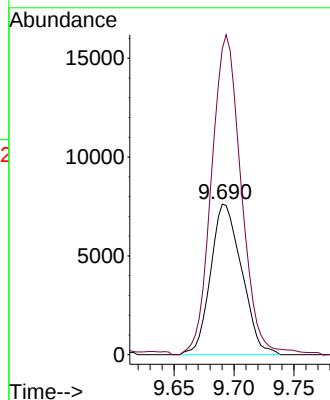
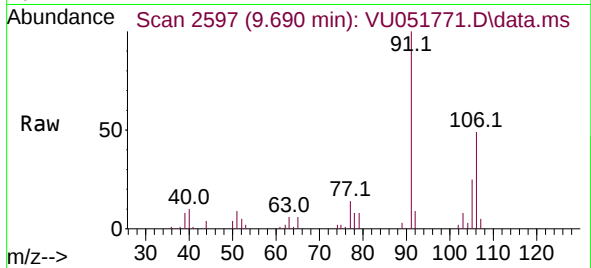




#53
m,p-Xylene
Concen: 2.090 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

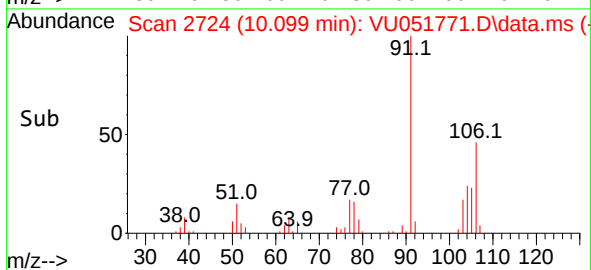
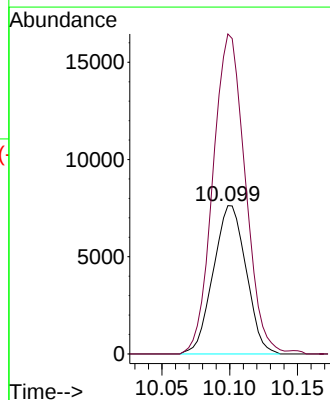
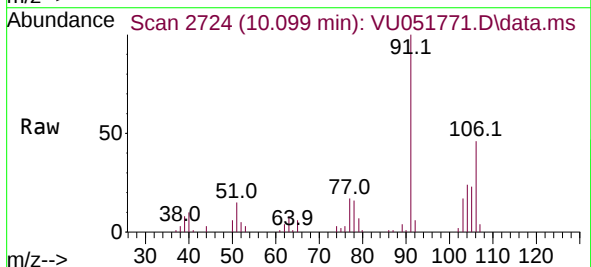
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2022-08

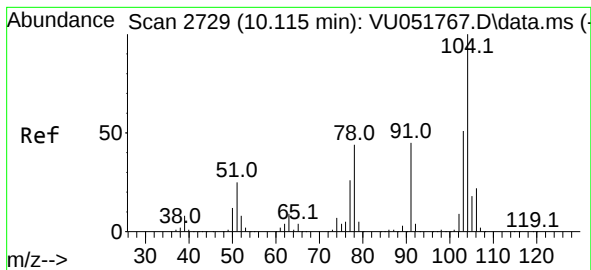
Tgt Ion:106 Resp: 13748
Ion Ratio Lower Upper
106 100
91 203.2 141.3 262.3



#54
o-Xylene
Concen: 1.969 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion:106 Resp: 12849
Ion Ratio Lower Upper
106 100
91 215.6 153.2 284.4





#55

Styrene

Concen: 1.721 ug/L

RT: 10.115 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

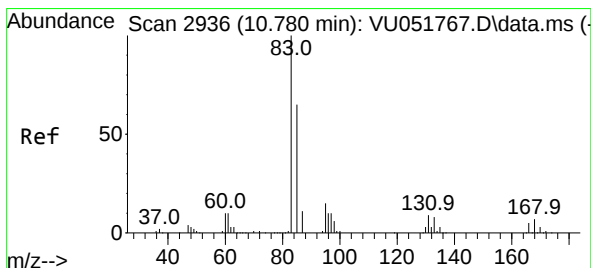
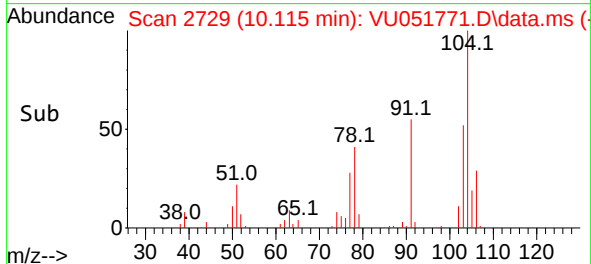
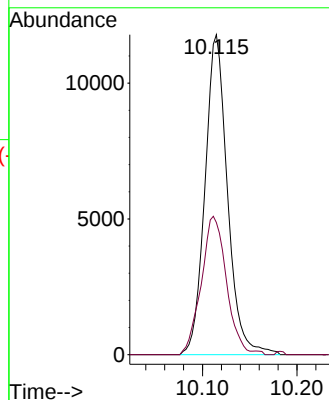
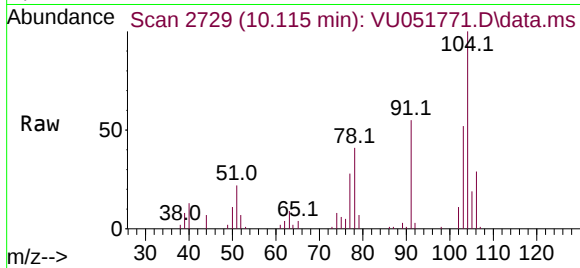
MDL-MED-SOIL-QT4-2022-08

Tgt Ion:104 Resp: 19512

Ion Ratio Lower Upper

104 100

78 41.3 31.8 59.0



#57

1,1,2,2-Tetrachloroethane

Concen: 2.432 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

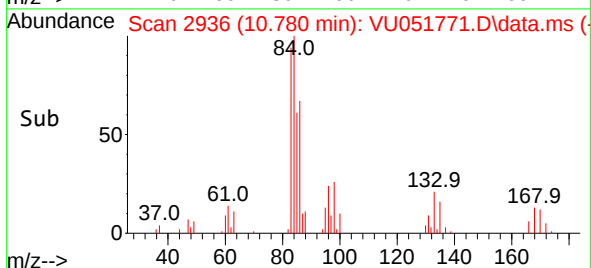
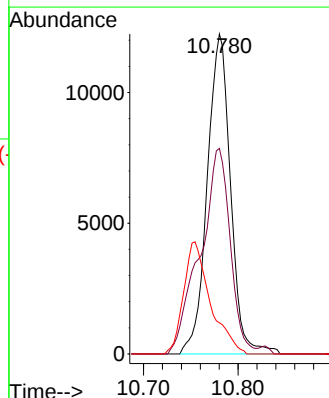
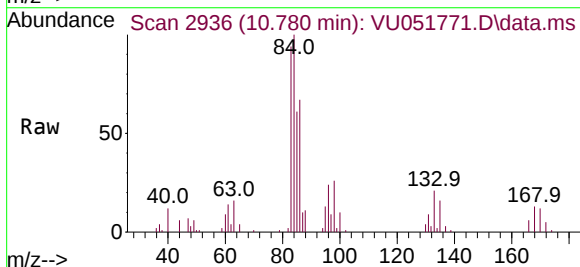
Tgt Ion: 83 Resp: 20947

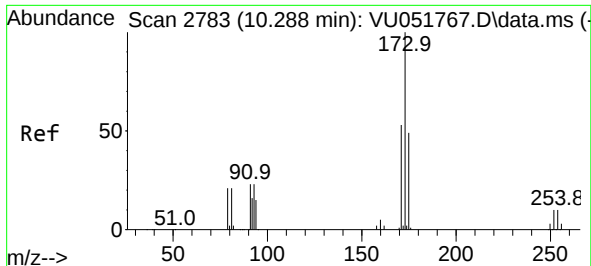
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

131 9.7 7.4 11.2

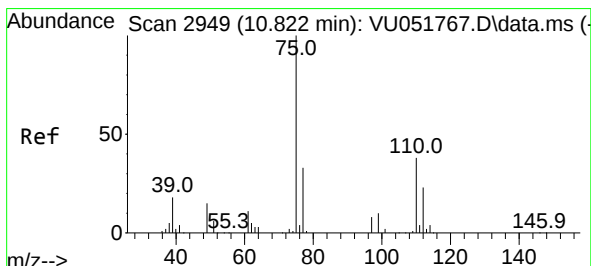
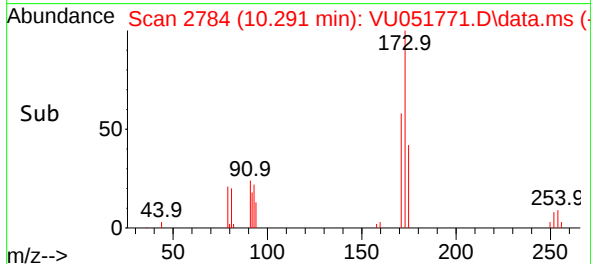
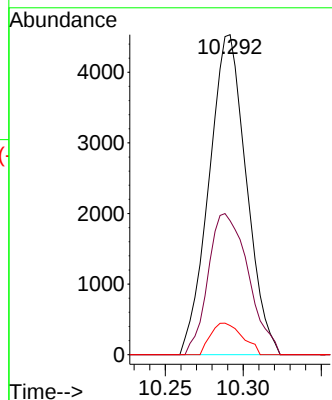
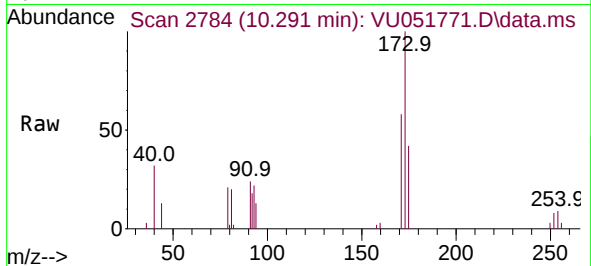




#59
Bromoform
Concen: 2.336 ug/L
RT: 10.291 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

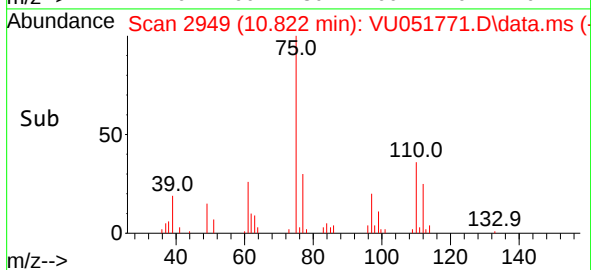
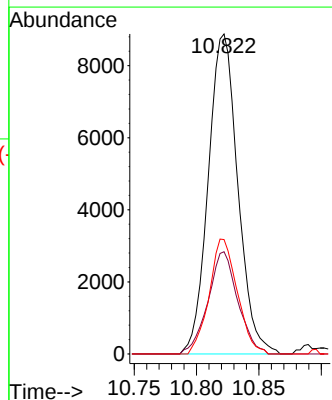
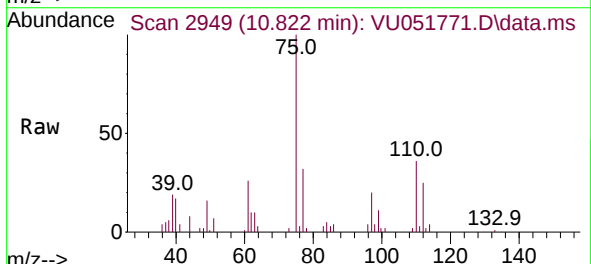
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

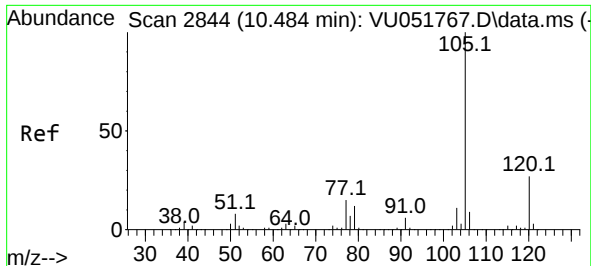
Tgt Ion:173 Resp: 7536
Ion Ratio Lower Upper
173 100
175 47.5 38.4 57.6
254 8.4 7.8 11.6



#60
1,2,3-Trichloropropane
Concen: 2.444 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion: 75 Resp: 14670
Ion Ratio Lower Upper
75 100
77 32.1 26.1 39.1
110 34.0 28.7 43.1

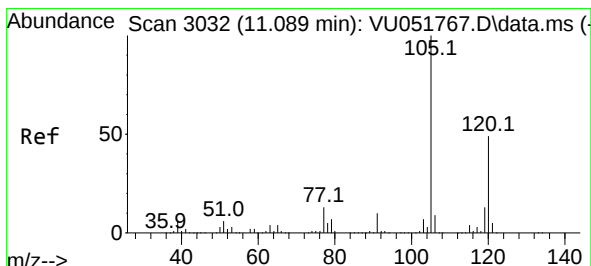
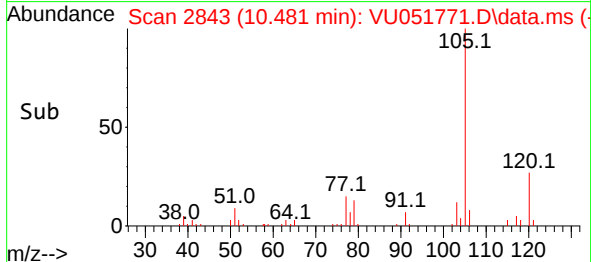
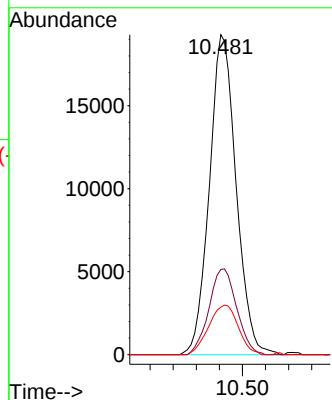
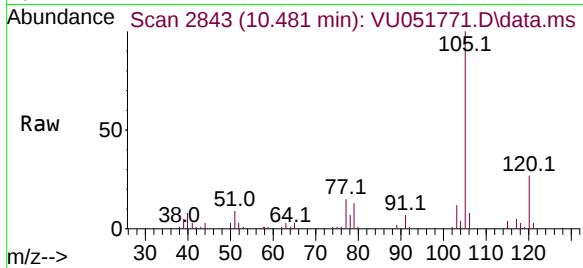




#61
Isopropylbenzene
Concen: 2.133 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

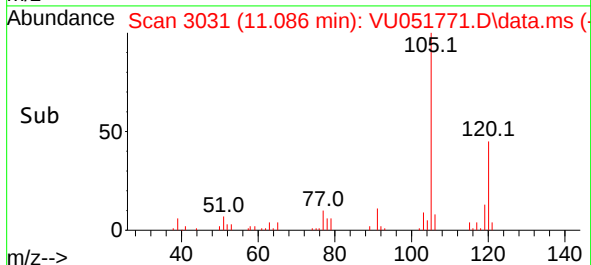
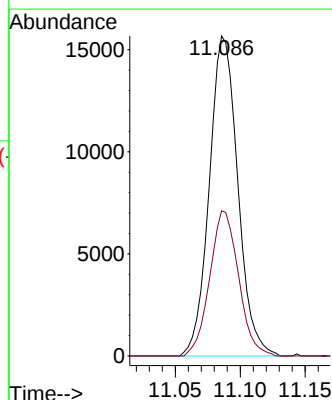
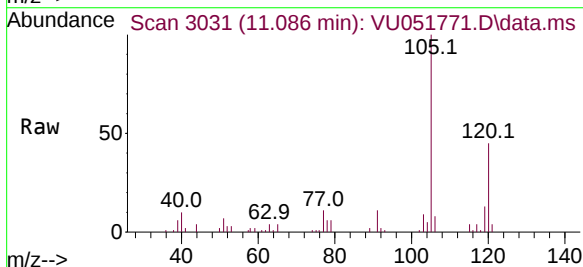
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

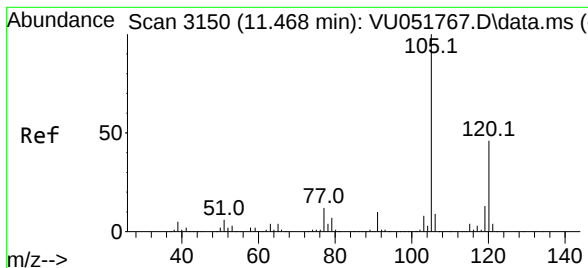
Tgt Ion:105 Resp: 31017
Ion Ratio Lower Upper
105 100
120 27.8 21.1 31.7
77 17.1 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 1.936 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion:105 Resp: 23915
Ion Ratio Lower Upper
105 100
120 45.8 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 1.800 ug/L

RT: 11.465 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA_U

ClientSampleId :

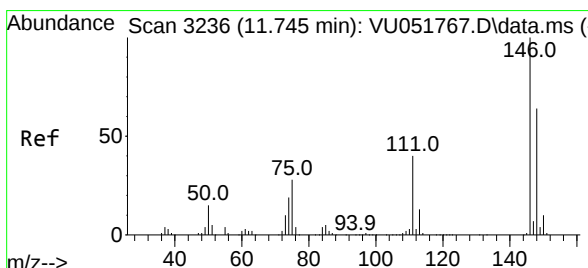
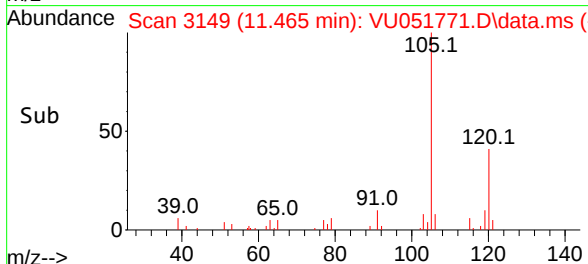
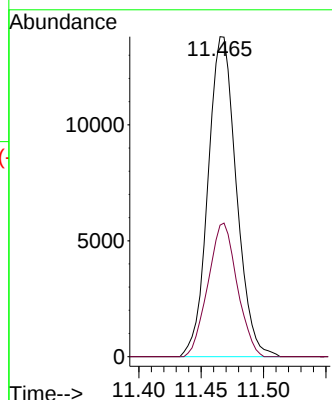
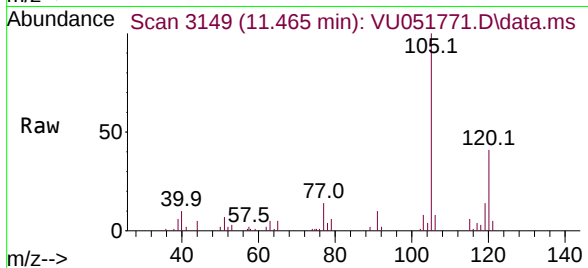
MDL-MED-SOIL-QT4-2022-08

Tgt Ion:105 Resp: 21898

Ion Ratio Lower Upper

105 100

120 42.7 35.4 53.0



#64

1,3-Dichlorobenzene

Concen: 2.425 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. 0.000 min

Lab File: VU051771.D

Acq: 07 Nov 2022 16:25

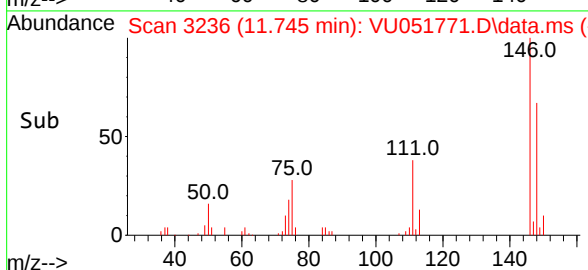
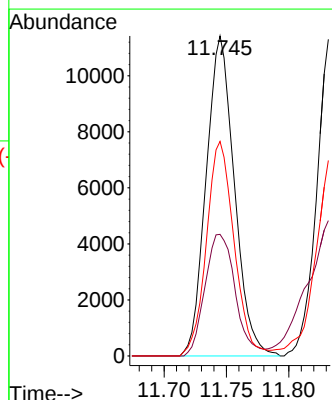
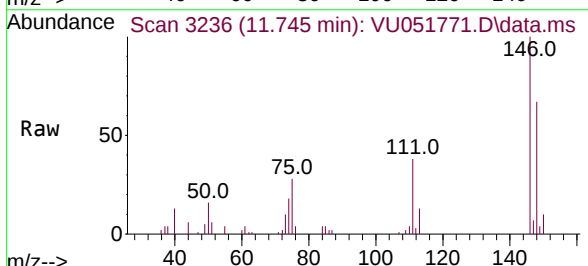
Tgt Ion:146 Resp: 18001

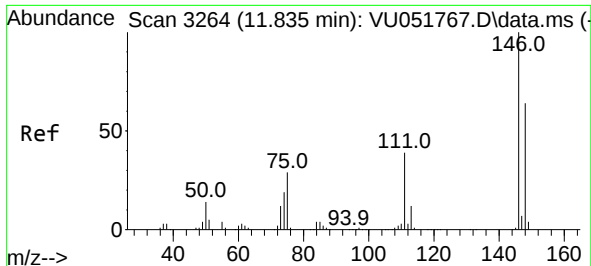
Ion Ratio Lower Upper

146 100

111 38.0 28.7 53.3

148 67.0 43.2 80.2

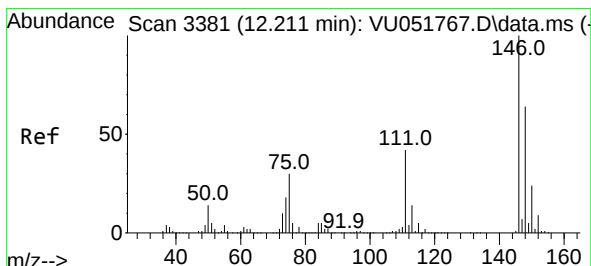
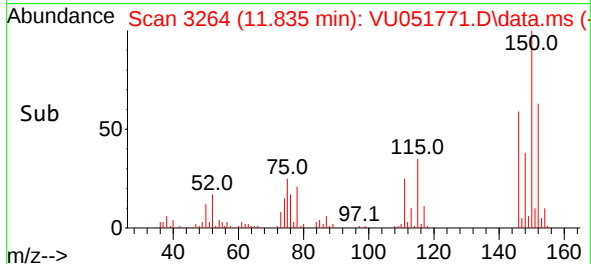
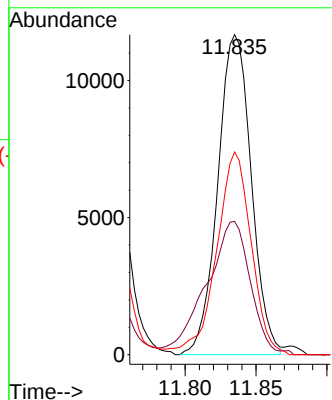
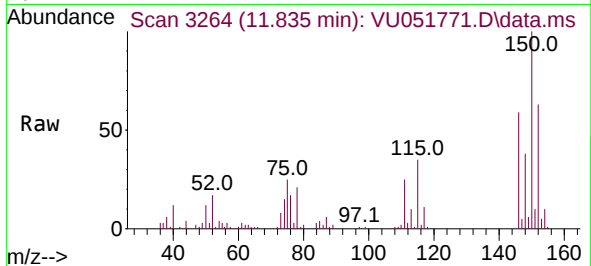




#65
1,4-Dichlorobenzene
Concen: 2.518 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

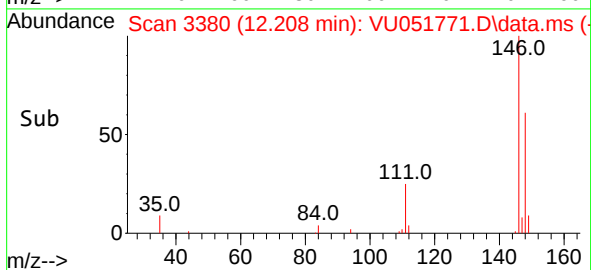
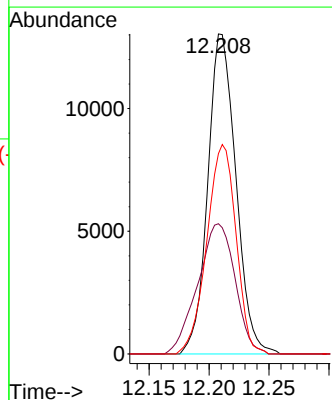
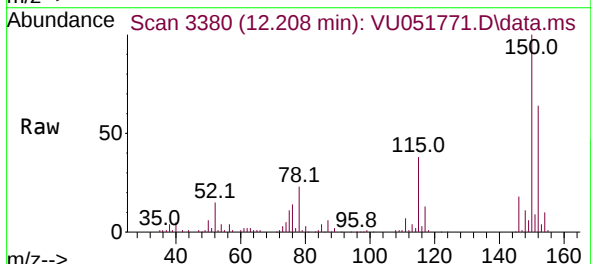
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

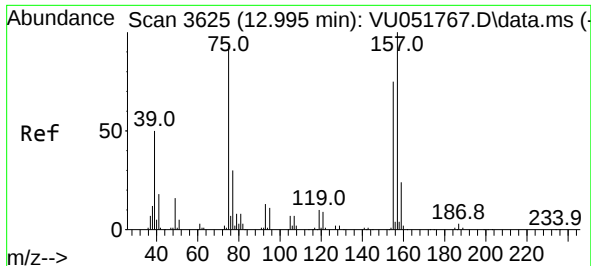
Tgt Ion:146 Resp: 19226
Ion Ratio Lower Upper
146 100
111 41.7 28.9 53.7
148 63.3 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 2.754 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion:146 Resp: 21297
Ion Ratio Lower Upper
146 100
111 40.7 35.3 52.9
148 62.6 51.1 76.7

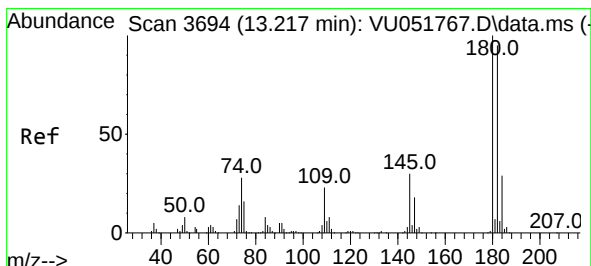
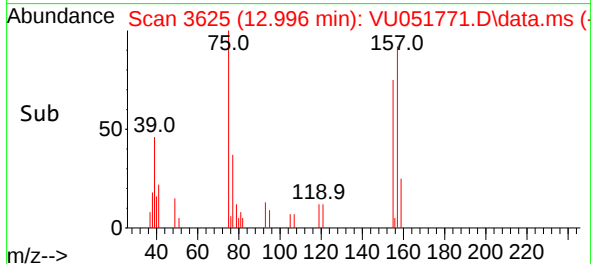
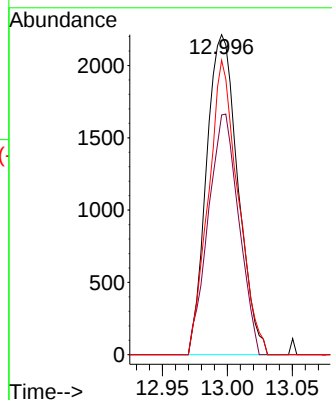
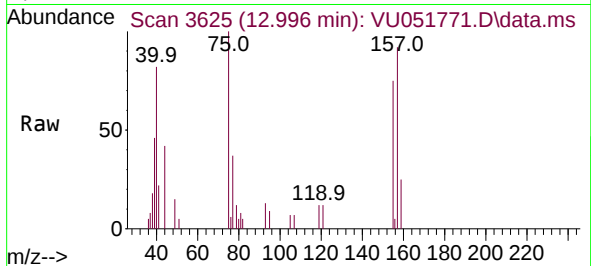




#68
1,2-Dibromo-3-chloropropane
Concen: 2.299 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

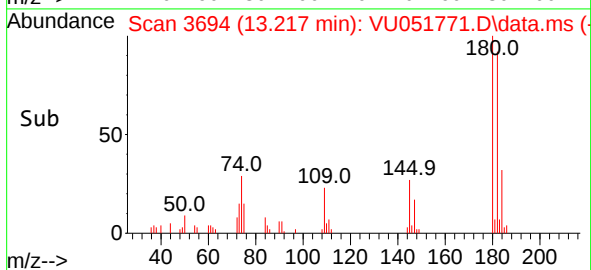
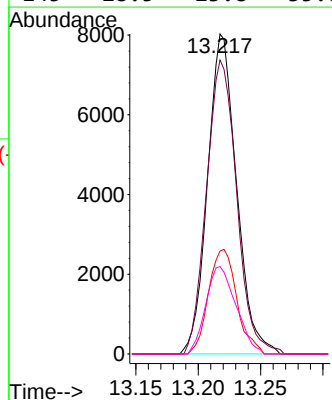
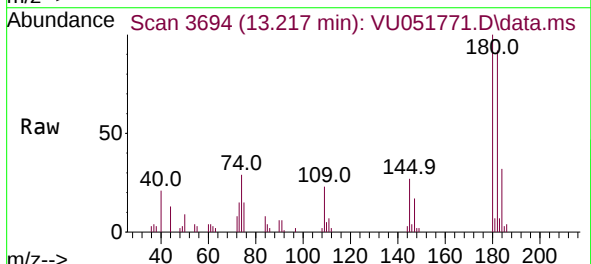
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

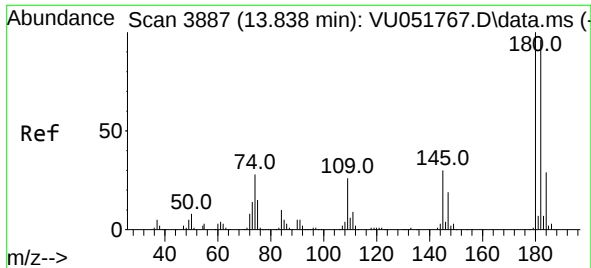
Tgt Ion: 75 Resp: 3724
Ion Ratio Lower Upper
75 100
155 79.8 62.5 93.7
157 92.0 81.6 122.4



#69
1,3,5-Trichlorobenzene
Concen: 2.602 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

Tgt Ion:180 Resp: 12958
Ion Ratio Lower Upper
180 100
182 95.6 75.6 113.4
184 32.0 23.9 35.9
145 28.5 23.8 35.8

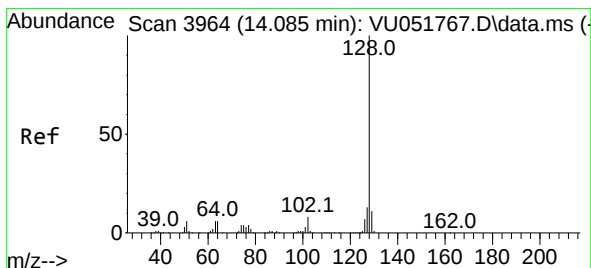
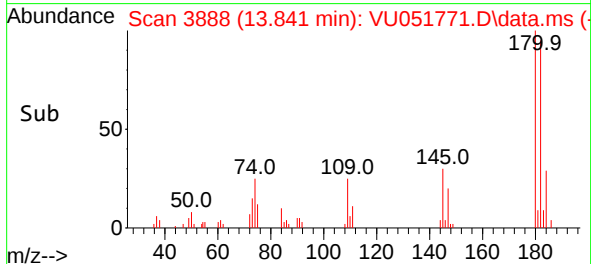
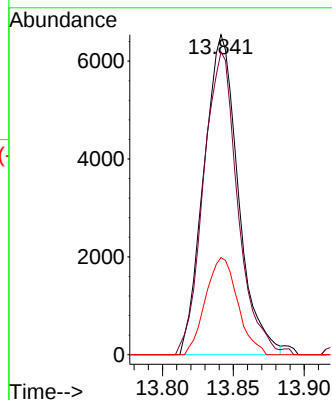
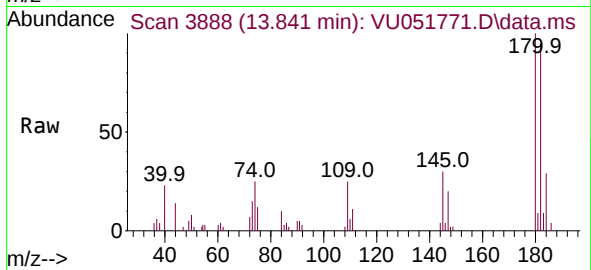




#70
1,2,4-trichlorobenzene
Concen: 2.884 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

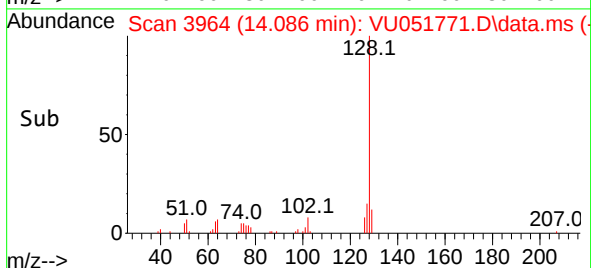
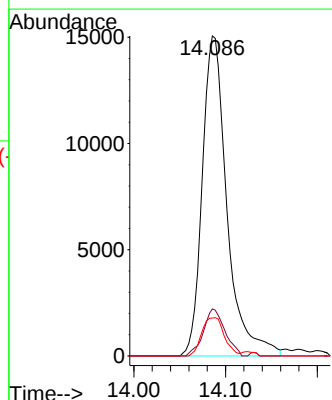
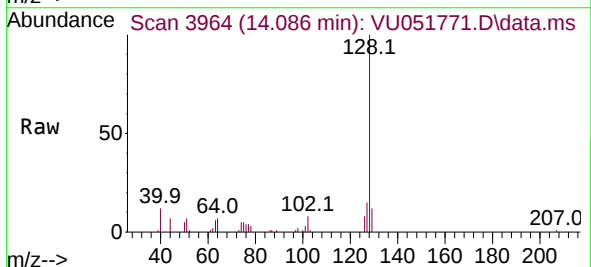
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

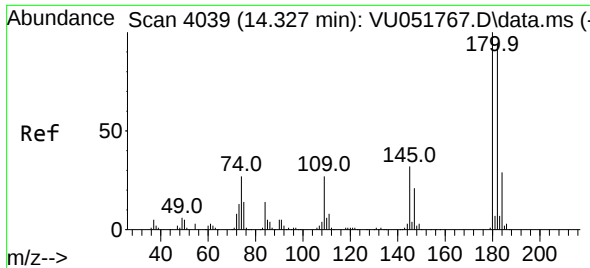
Tgt Ion:180 Resp: 11059
Ion Ratio Lower Upper
180 100
182 93.8 76.2 114.4
145 28.3 25.0 37.6



#71
Naphthalene
Concen: 2.301 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051771.D
Acq: 07 Nov 2022 16:25

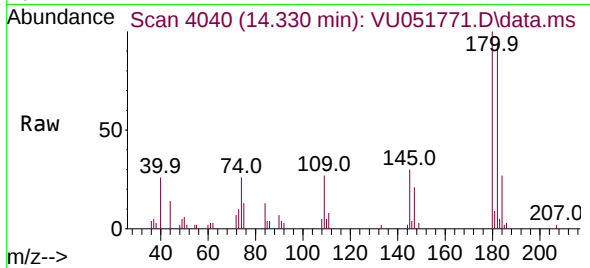
Tgt Ion:128 Resp: 28243
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.9 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 2.588 ug/L
 RT: 14.330 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU051771.D
 Acq: 07 Nov 2022 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-08



Tgt Ion:	180	Resp:	10651
Ion	Ratio	Lower	Upper
180	100		
182	101.2	75.4	113.2
145	34.3	25.3	37.9

