

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080624\
 Data File : VV036802.D
 Acq On : 06 Aug 2024 10:36
 Operator : SY/MD
 Sample : P3391-06 2.5 PPB
 Misc : 5.00G/5 mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-06

Quant Time: Aug 07 06:53:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 04:57:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	485777	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	456418	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	219384	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	169828	43.771	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.540%		
7) Chloroethane-d5	1.532	69	143014	46.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.480%		
11) 1,1-Dichloroethene-d2	2.056	65	75626	45.567	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.140%		
21) 2-Butanone-d5	3.793	46	196360	95.518	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.520%		
24) Chloroform-d	4.239	84	329335	47.300	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.600%		
26) 1,2-Dichloroethane-d4	4.934	65	218573	48.824	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.640%		
32) Benzene-d6	4.950	84	674320	48.915	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.840%		
36) 1,2-Dichloropropane-d6	5.982	67	220557	49.592	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.180%		
41) Toluene-d8	7.236	98	605599	47.890	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.780%		
43) trans-1,3-Dichloroprop...	7.548	79	105596	45.623	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.240%		
47) 2-Hexanone-d5	8.024	63	112542	88.009	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.010%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	242189	47.427	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.860%		
66) 1,2-Dichlorobenzene-d4	11.554	152	223235	49.936	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.880%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	8197	2.116	ug/L	99
3) Chloromethane	1.217	50	8650	2.134	ug/L	98
5) Vinyl chloride	1.281	62	9433	2.266	ug/L #	68
6) Bromomethane	1.487	94	5630	2.148	ug/L	99
8) Chloroethane	1.548	64	6107	2.368	ug/L	99
9) Trichlorofluoromethane	1.712	101	10872	1.994	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8401	2.615	ug/L #	83
12) 1,1-Dichloroethene	2.066	96	7880	2.568	ug/L #	1
13) Acetone	2.114	43	8796m	5.114	ug/L	
14) Carbon disulfide	2.236	76	20341	2.110	ug/L #	91
15) Methyl Acetate	2.371	43	9024m	2.547	ug/L	
17) trans-1,2-Dichloroethene	2.690	96	6442	2.027	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	21977	1.963	ug/L	95
19) 1,1-Dichloroethane	3.104	63	13531	2.107	ug/L	90
20) cis-1,2-Dichloroethene	3.809	96	7601	2.037	ug/L	97
22) 2-Butanone	3.905	43	11671m	5.065	ug/L	
23) Bromochloromethane	4.149	128	3624	2.000	ug/L #	94
27) 1,2-Dichloroethane	5.043	62	10454	2.009	ug/L	100
29) Cyclohexane	4.574	56	11875	2.042	ug/L	97

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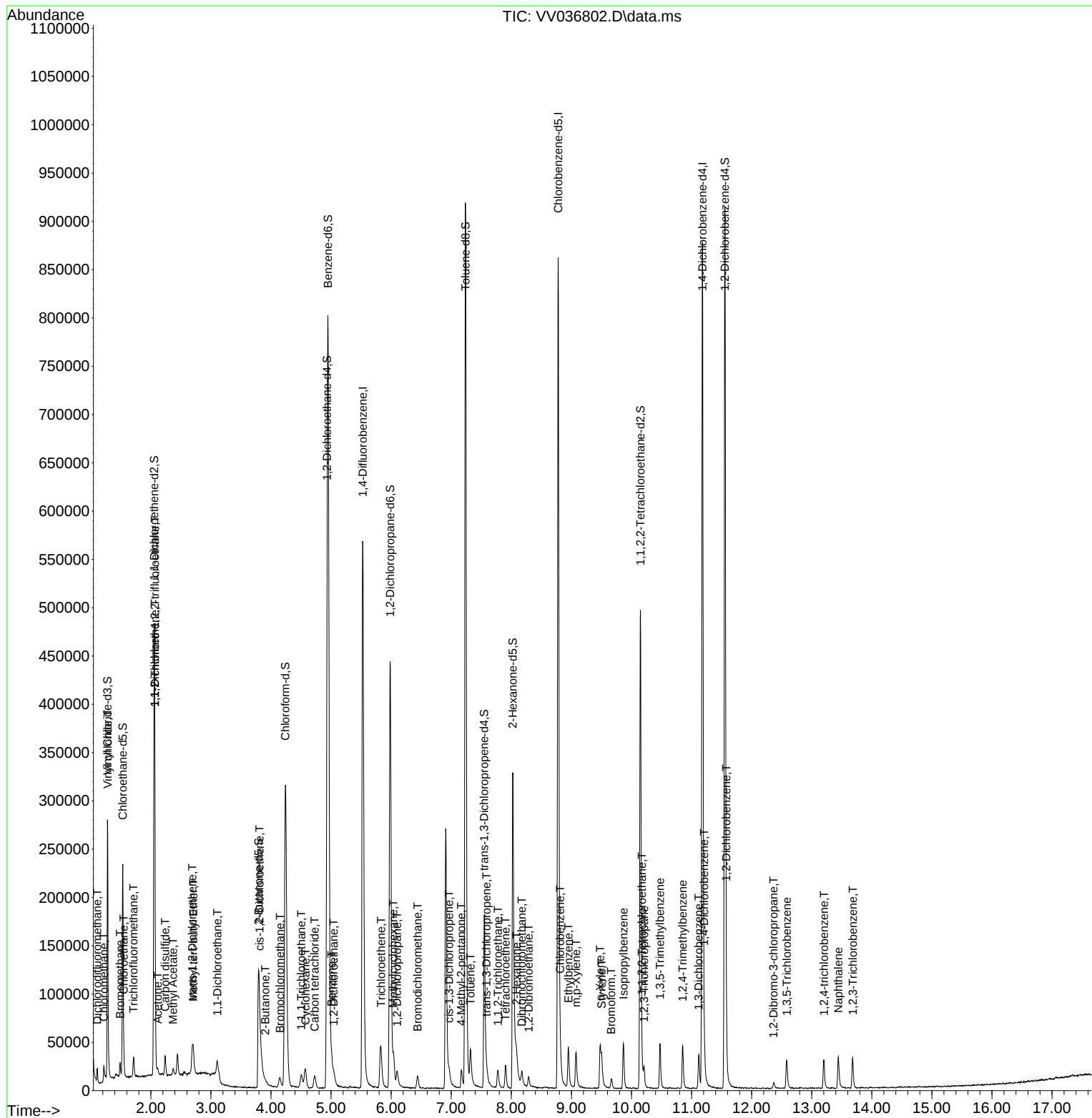
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.503	97	11178	1.944	ug/L	99
31) Carbon tetrachloride	4.725	117	9637	1.996	ug/L	98
33) Benzene	5.008	78	27520	2.016	ug/L	100
34) Trichloroethene	5.834	95	8699	2.199	ug/L	93
35) Methylcyclohexane	6.037	83	12429	2.047	ug/L	86
37) 1,2-Dichloropropane	6.098	63	7795m	2.155	ug/L	
38) Bromodichloromethane	6.439	83	10036m	2.015	ug/L	
39) cis-1,3-Dichloropropene	6.963	75	13061m	2.109	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	19188m	4.283	ug/L	
42) Toluene	7.320	91	29390	2.021	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	11382m	1.972	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6763	1.931	ug/L	92
46) Tetrachloroethene	7.905	164	5527m	2.130	ug/L	
48) 2-Hexanone	8.088	43	32055m	9.726	ug/L	
49) Dibromochloromethane	8.175	129	6990	1.942	ug/L	93
50) 1,2-Dibromoethane	8.287	107	7101	1.954	ug/L #	99
51) Chlorobenzene	8.812	112	18649	1.999	ug/L	95
52) Ethylbenzene	8.950	91	31815	1.916	ug/L	97
53) m,p-Xylene	9.078	106	11295	1.820	ug/L	99
54) o-Xylene	9.477	106	11396	1.877	ug/L	91
55) Styrene	9.503	104	19597m	1.884	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	10870	2.300	ug/L	99
59) Bromoform	9.664	173	4394	1.810	ug/L #	92
60) Isopropylbenzene	9.866	105	31865	1.995	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	7762	1.965	ug/L	93
62) 1,3,5-Trimethylbenzene	10.474	105	25988	1.954	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	25767	1.936	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	14541	2.117	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	16382	2.346	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	14186	2.115	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.365	75	1967	1.724	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	9396	1.928	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	8937	1.912	ug/L	97
71) Naphthalene	13.442	128	29332m	1.957	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8856	1.935	ug/L	99

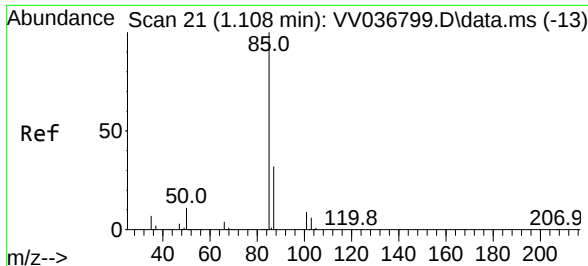
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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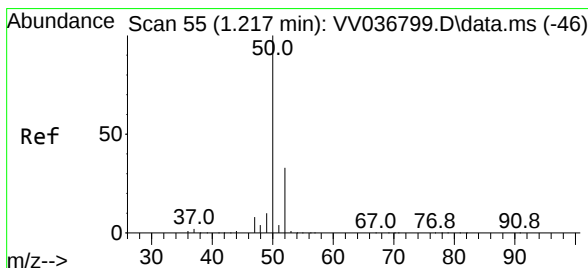
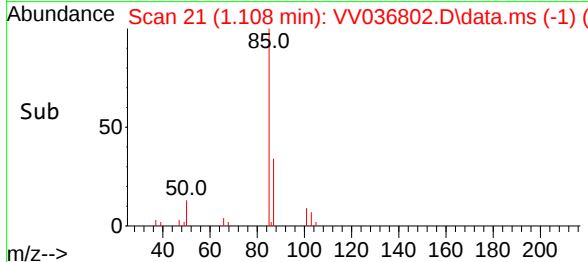
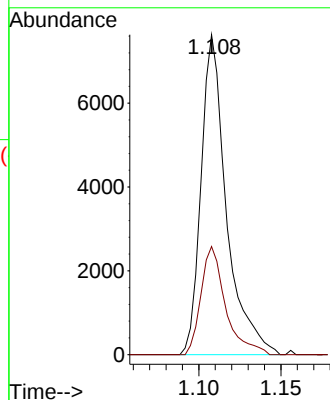
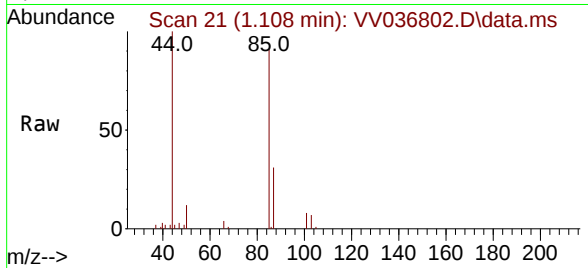




#2
 Dichlorodifluoromethane
 Concen: 2.116 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036802.D
 Acq: 06 Aug 2024 10:36

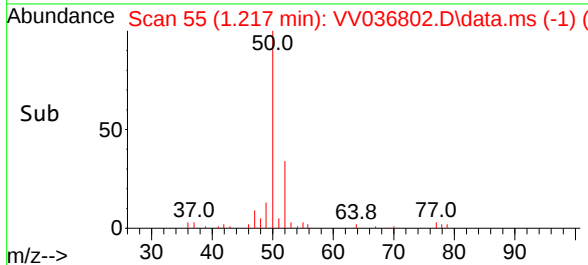
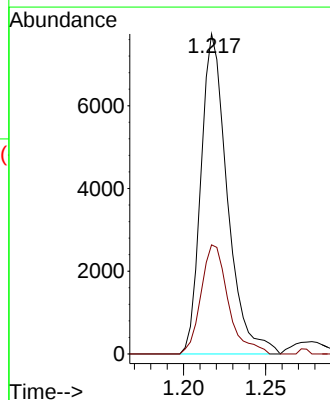
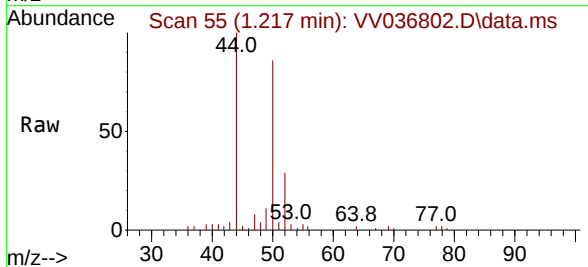
Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT3-2024-06

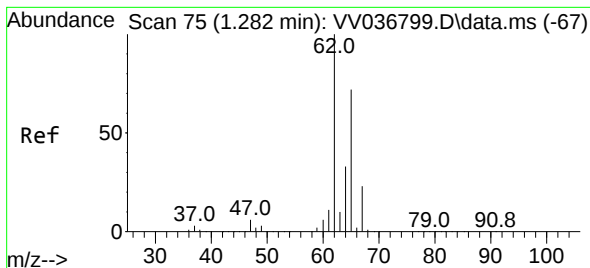
Tgt Ion: 85 Resp: 8197
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.9 38.9



#3
 Chloromethane
 Concen: 2.134 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036802.D
 Acq: 06 Aug 2024 10:36

Tgt Ion: 50 Resp: 8650
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.0 42.8

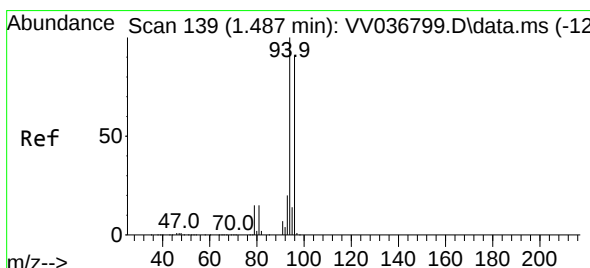
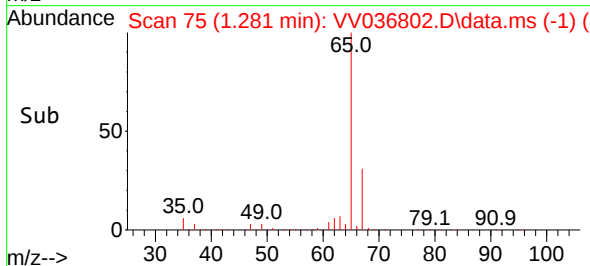
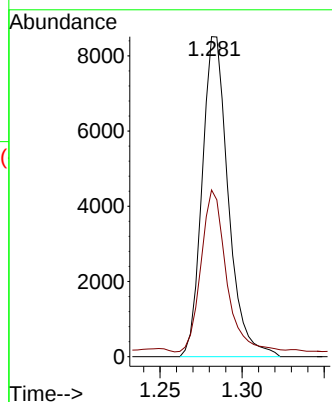
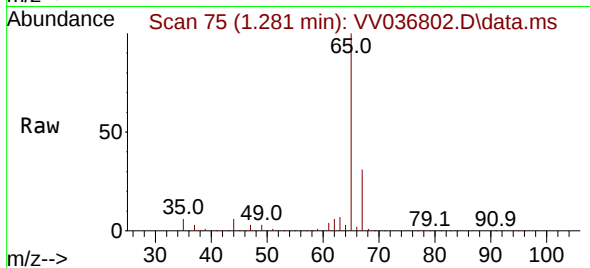




#5
 Vinyl chloride
 Concen: 2.266 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV036802.D
 Acq: 06 Aug 2024 10:36

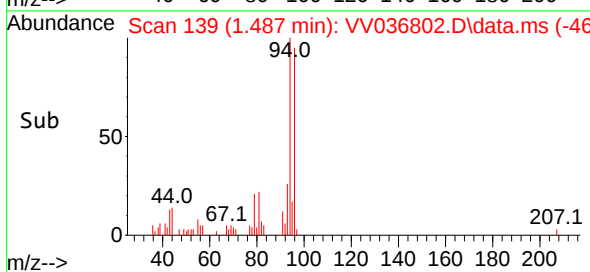
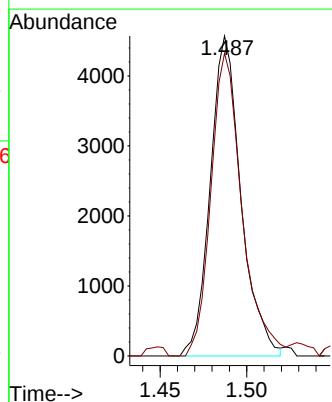
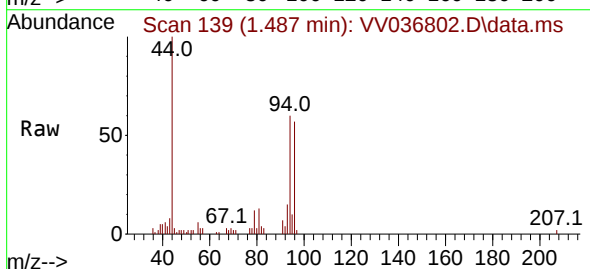
Instrument :
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 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-06

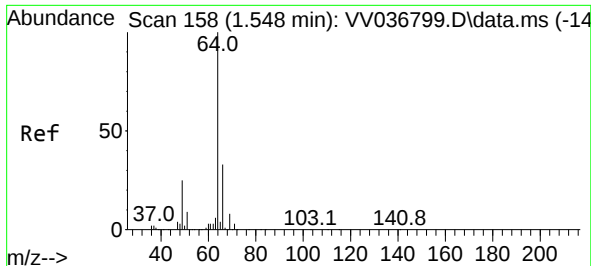
Tgt Ion: 62 Resp: 9433
 Ion Ratio Lower Upper
 62 100
 64 52.1 23.6 43.8#



#6
 Bromomethane
 Concen: 2.148 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV036802.D
 Acq: 06 Aug 2024 10:36

Tgt Ion: 94 Resp: 5630
 Ion Ratio Lower Upper
 94 100
 96 94.6 65.5 121.7

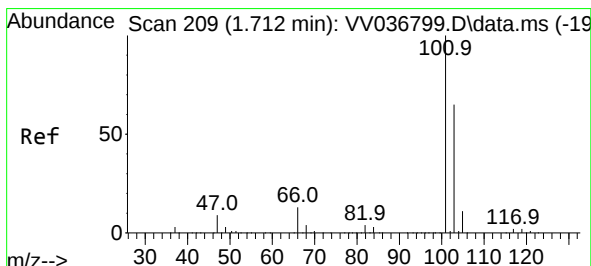
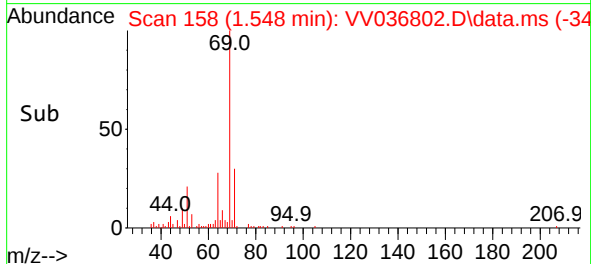
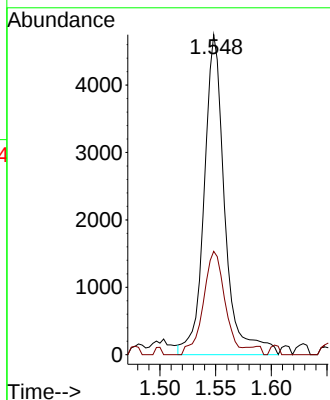
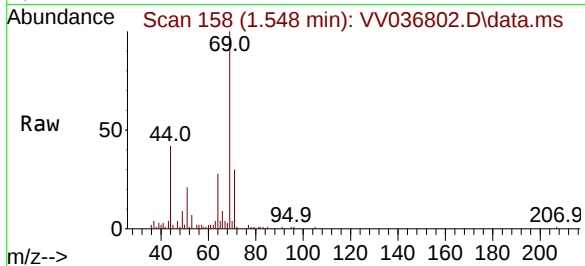




#8
Chloroethane
Concen: 2.368 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

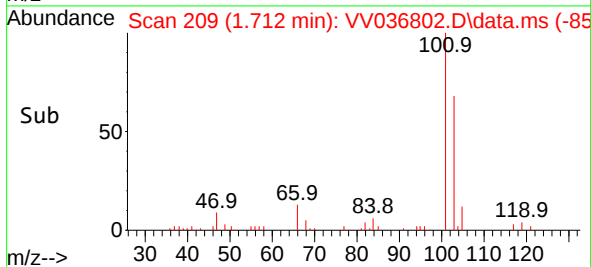
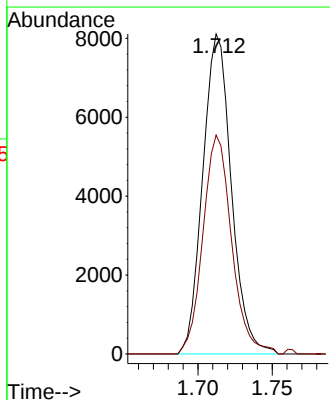
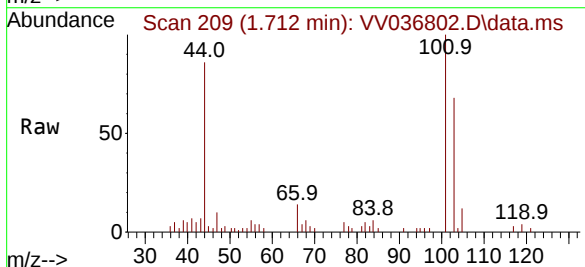
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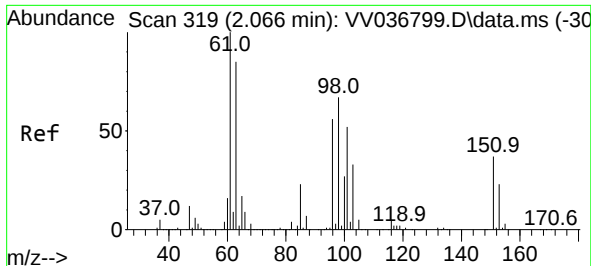
Tgt Ion: 64 Resp: 6107
Ion Ratio Lower Upper
64 100
66 32.3 23.2 43.0



#9
Trichlorofluoromethane
Concen: 1.994 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion: 101 Resp: 10872
Ion Ratio Lower Upper
101 100
103 68.6 51.4 77.0





#10

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

Concen: 2.615 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

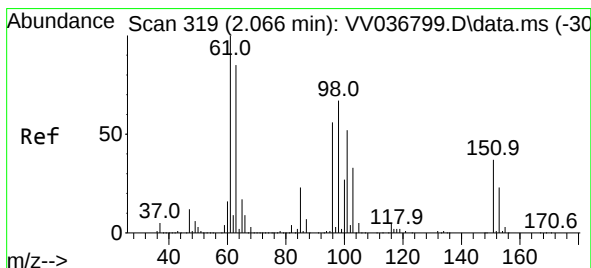
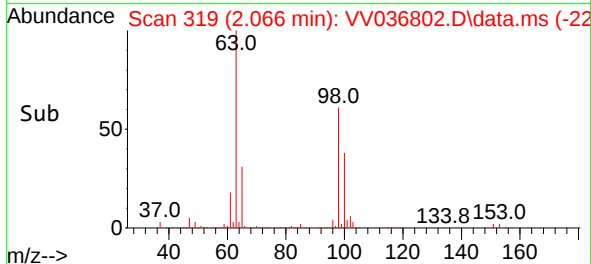
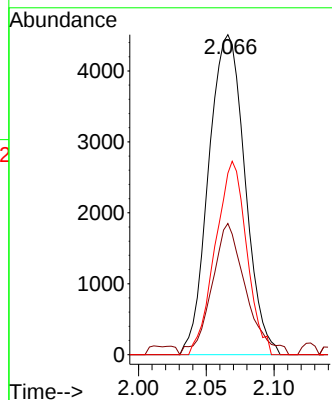
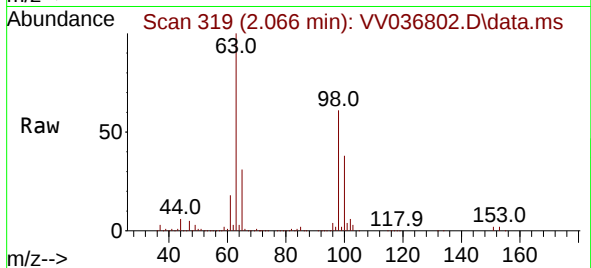
Tgt Ion:101 Resp: 8401

Ion Ratio Lower Upper

101 100

85 37.0 34.6 51.8

151 52.3 55.9 83.9#



#12

1,1-Dichloroethene

Concen: 2.568 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

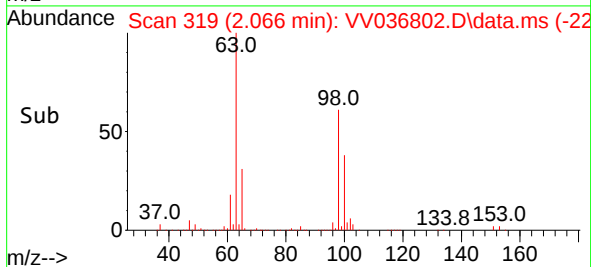
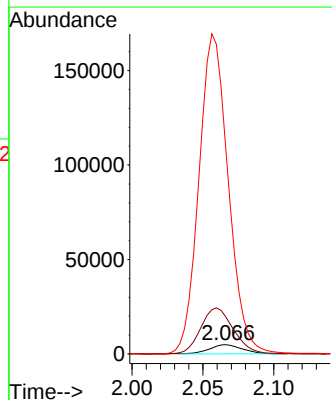
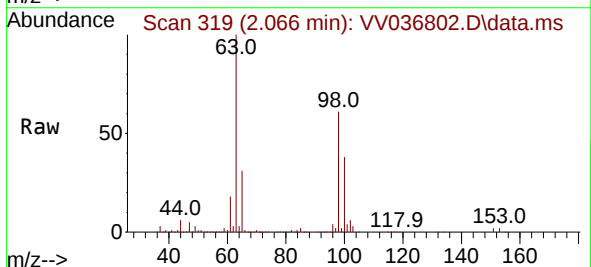
Tgt Ion: 96 Resp: 7880

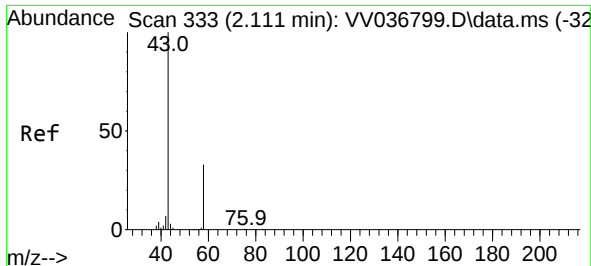
Ion Ratio Lower Upper

96 100

61 405.4 125.6 233.2#

63 2254.1 95.1 176.7#





#13

Acetone

Concen: 5.114 ug/L m

RT: 2.114 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV036802.D

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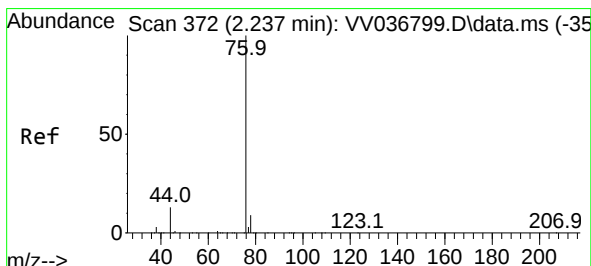
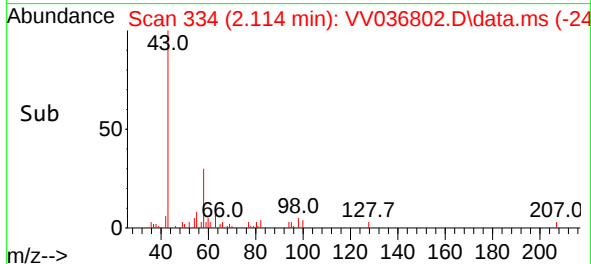
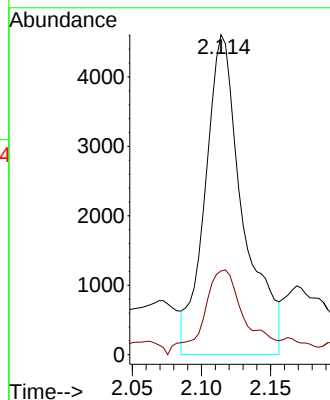
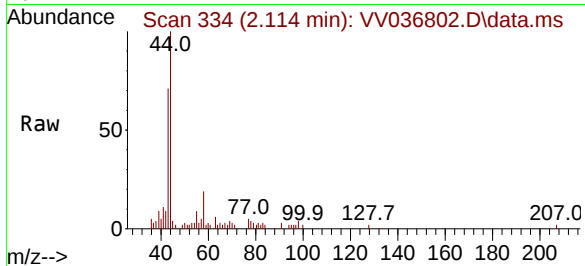
MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 43 Resp: 8796

Ion Ratio Lower Upper

43 100

58 25.0 0.0 63.4



#14

Carbon disulfide

Concen: 2.110 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

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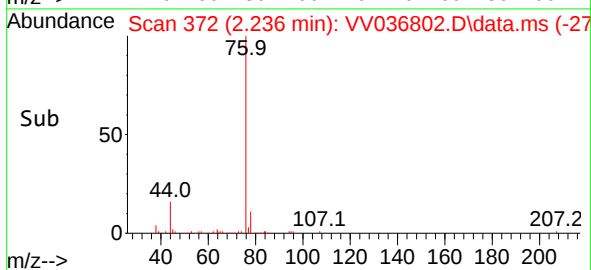
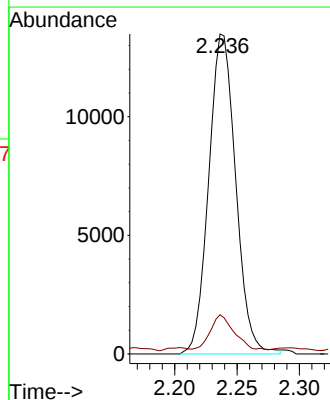
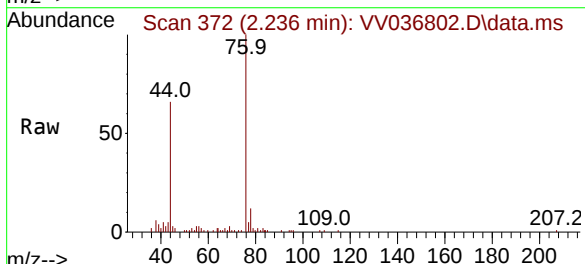
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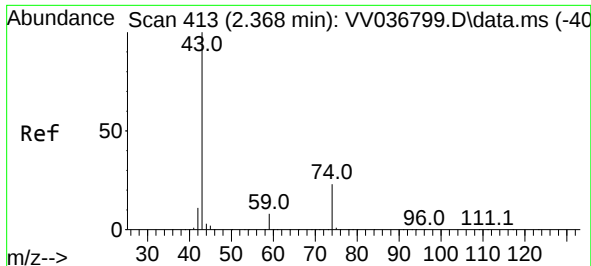
Tgt Ion: 76 Resp: 20341

Ion Ratio Lower Upper

76 100

78 12.2 7.1 10.7#

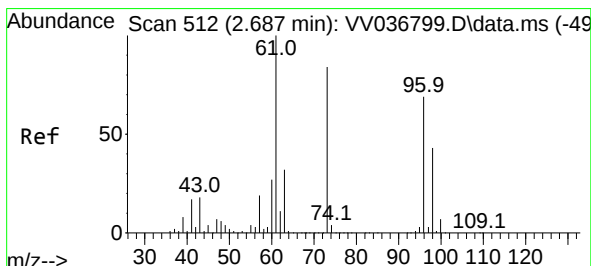
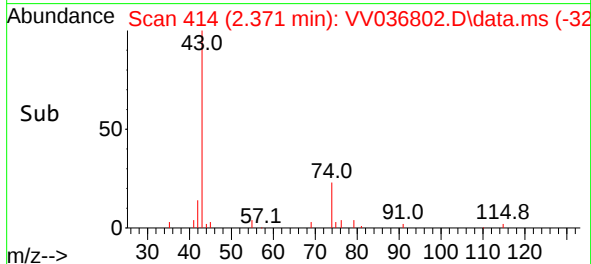
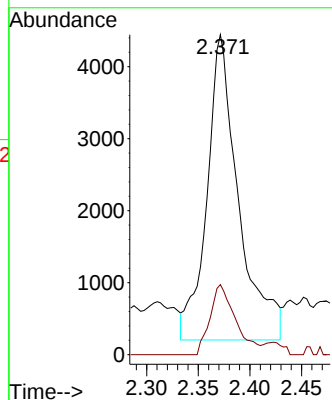
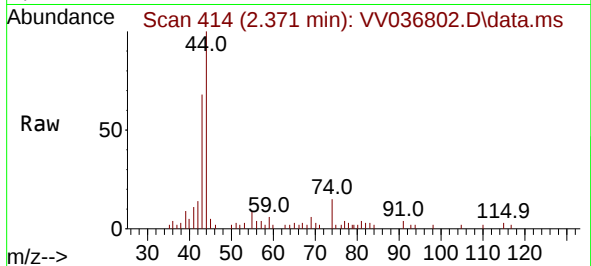




#15
Methyl Acetate
Concen: 2.547 ug/L m
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

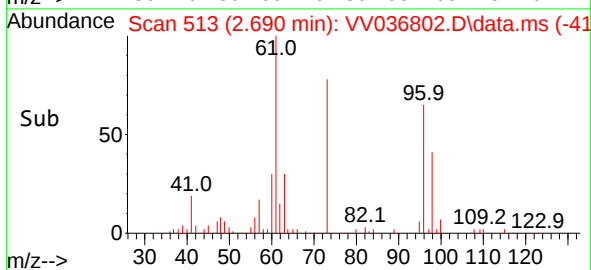
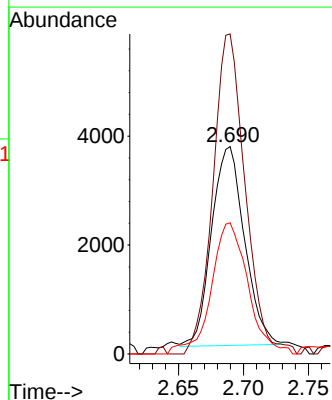
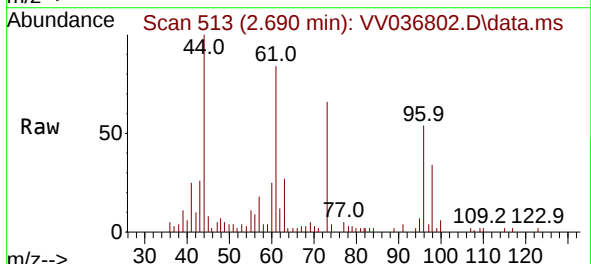
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

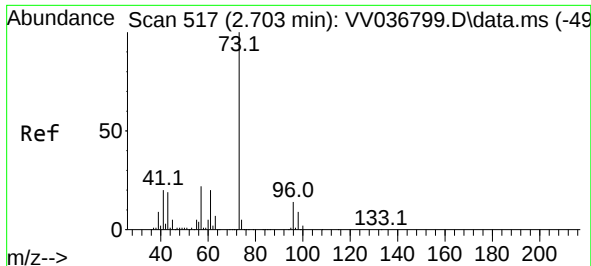
Tgt Ion: 43 Resp: 9024
Ion Ratio Lower Upper
43 100
74 18.6 19.0 28.4#



#17
trans-1,2-Dichloroethene
Concen: 2.027 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion: 96 Resp: 6442
Ion Ratio Lower Upper
96 100
61 154.3 100.0 185.8
98 63.3 44.0 81.8

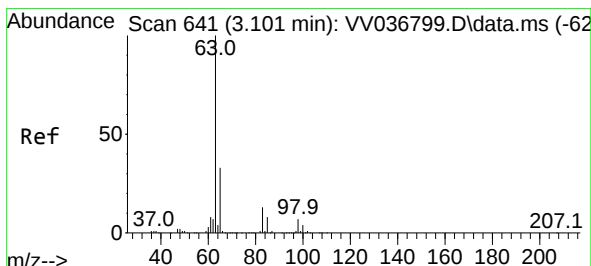
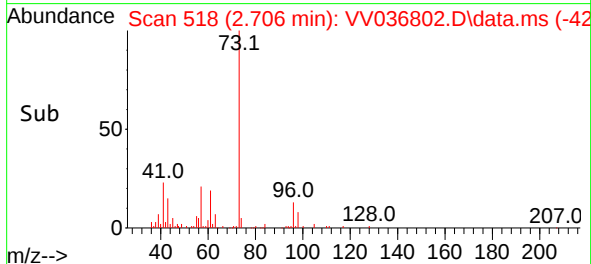
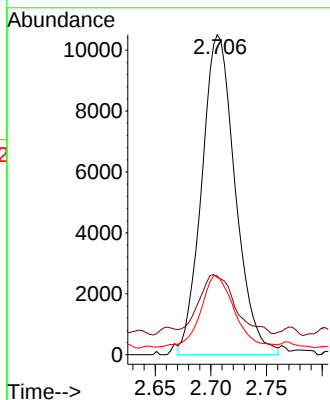
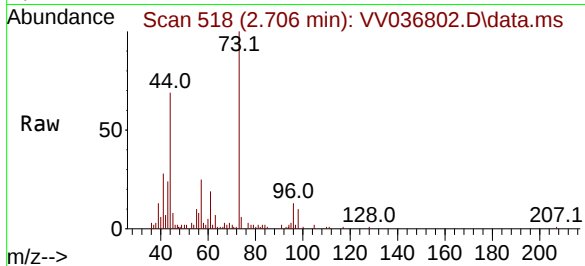




#18
Methyl tert-butyl Ether
Concen: 1.963 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

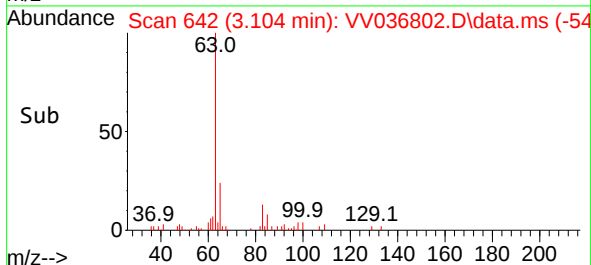
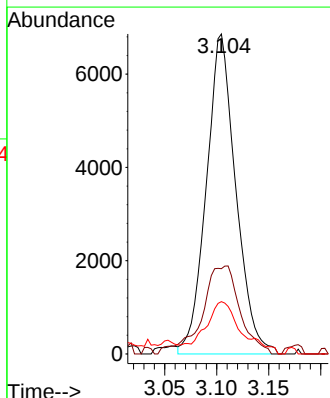
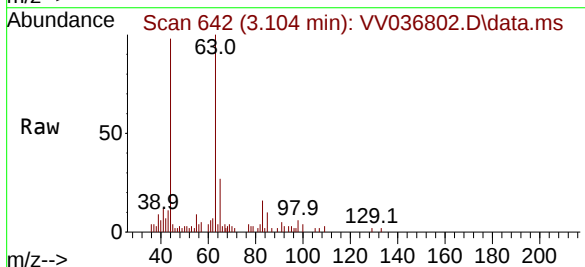
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

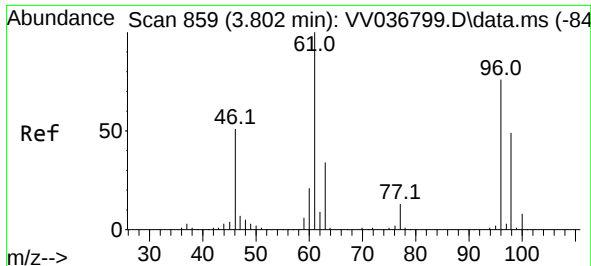
Tgt Ion:	73	Resp:	21977
Ion	Ratio	Lower	Upper
73	100		
43	16.3	16.1	24.1
57	23.1	17.9	26.9



#19
1,1-Dichloroethane
Concen: 2.107 ug/L
RT: 3.104 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion:	63	Resp:	13531
Ion	Ratio	Lower	Upper
63	100		
65	26.7	23.2	43.0
83	16.3	9.2	17.0

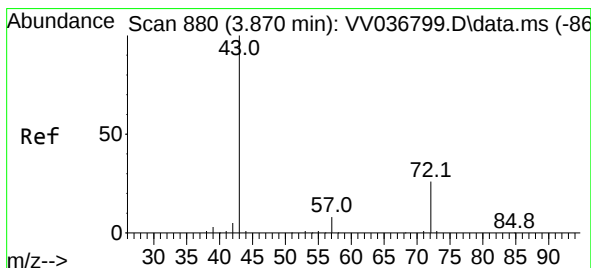
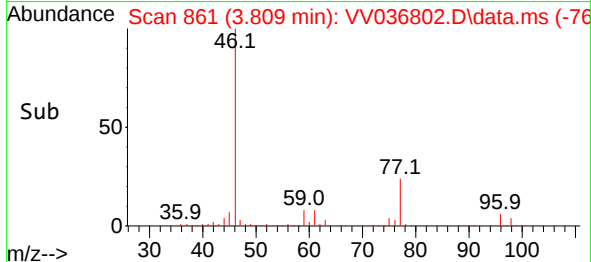
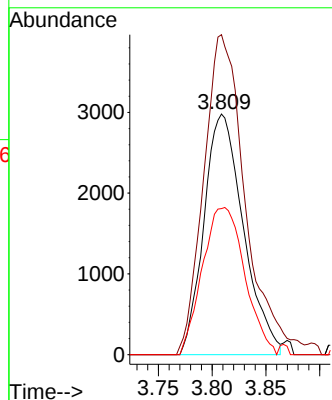
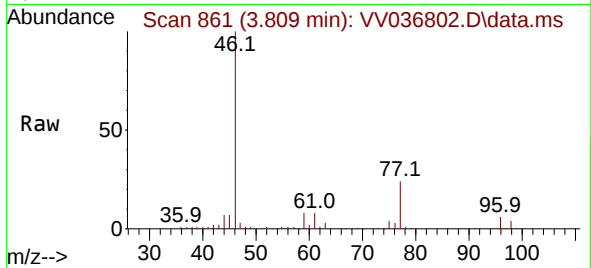




#20
cis-1,2-Dichloroethene
Concen: 2.037 ug/L
RT: 3.809 min Scan# 801
Delta R.T. 0.006 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

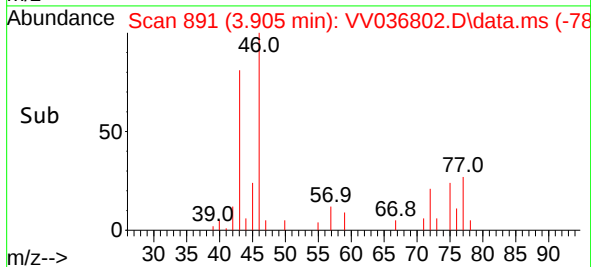
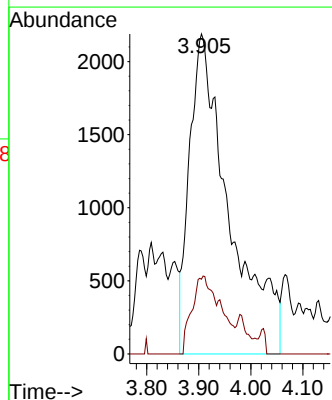
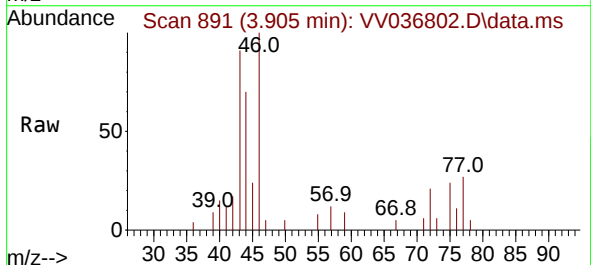
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

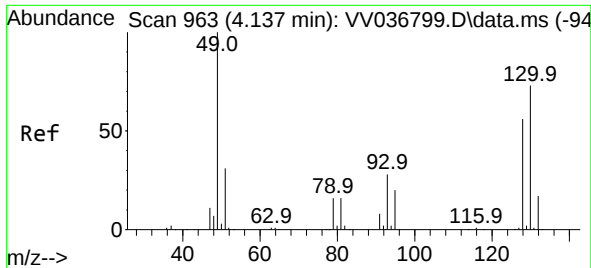
Tgt Ion: 96 Resp: 7601
Ion Ratio Lower Upper
96 100
61 133.0 93.9 174.5
98 60.7 46.0 85.4



#22
2-Butanone
Concen: 5.065 ug/L m
RT: 3.905 min Scan# 891
Delta R.T. 0.035 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

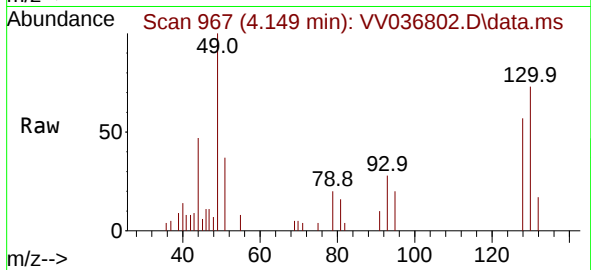
Tgt Ion: 43 Resp: 11671
Ion Ratio Lower Upper
43 100
72 6.3 12.5 37.5#



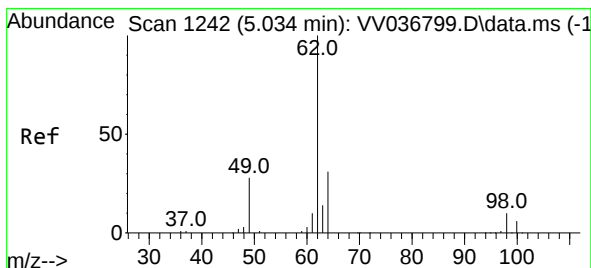
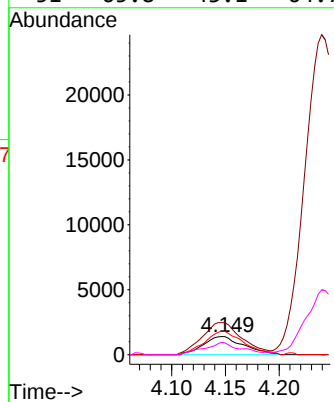
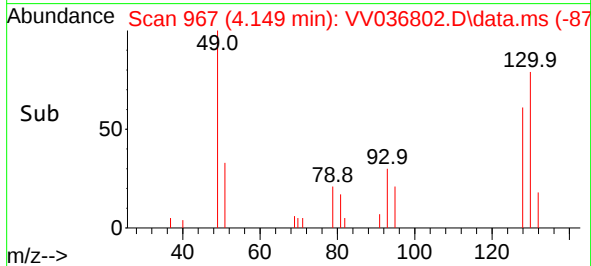


#23
Bromochloromethane
Concen: 2.000 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.013 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

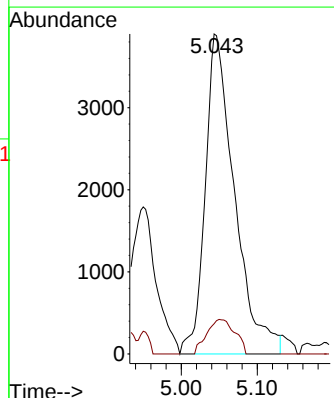
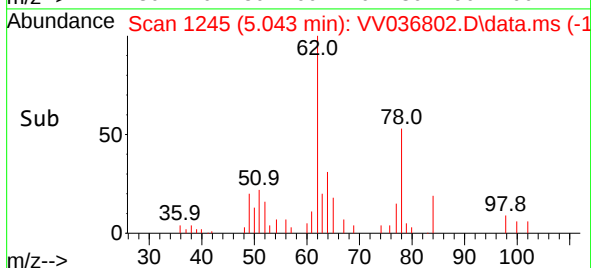
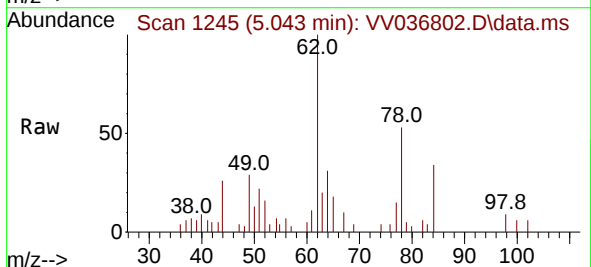


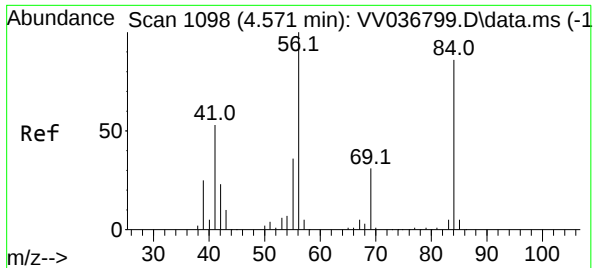
Tgt Ion:128 Resp: 3624
Ion Ratio Lower Upper
128 100
49 175.8 120.0 223.0
130 128.9 87.0 161.6
51 65.8 43.1 64.7#



#27
1,2-Dichloroethane
Concen: 2.009 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.009 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion: 62 Resp: 10454
Ion Ratio Lower Upper
62 100
98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 2.042 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

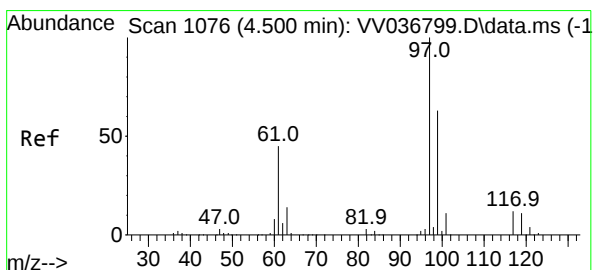
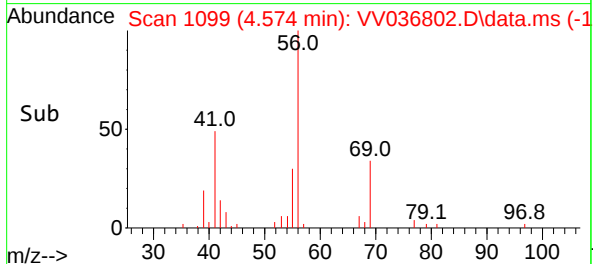
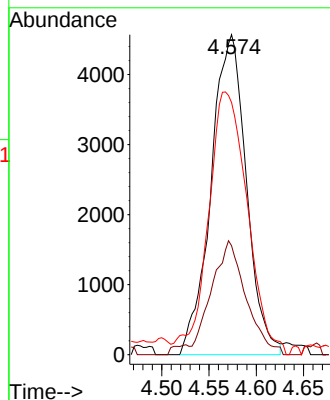
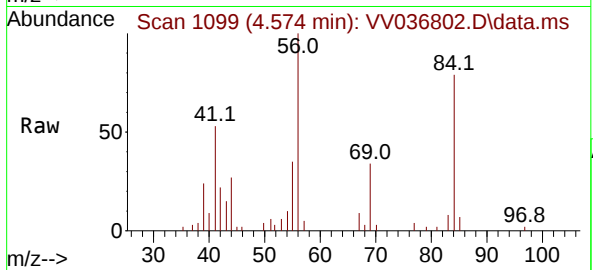
Tgt Ion: 56 Resp: 11875

Ion Ratio Lower Upper

56 100

69 31.5 24.7 37.1

84 88.9 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 1.944 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

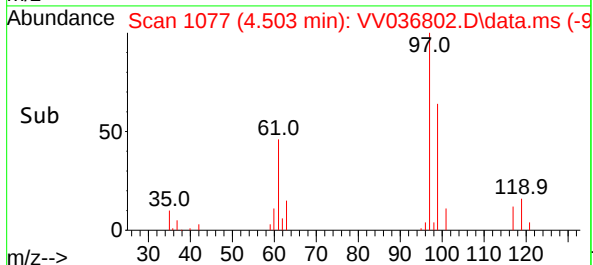
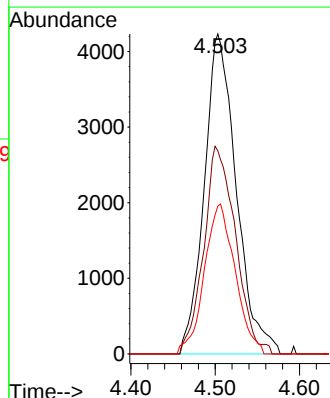
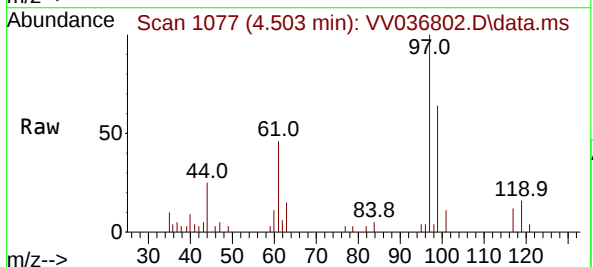
Tgt Ion: 97 Resp: 11178

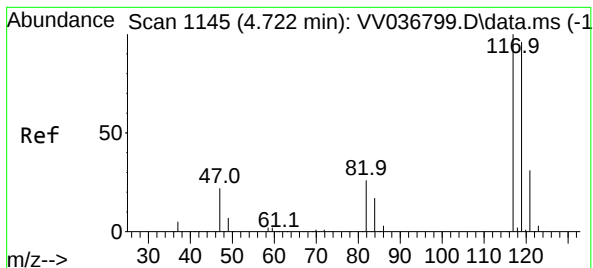
Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 45.1 36.0 54.0





#31

Carbon tetrachloride

Concen: 1.996 ug/L

RT: 4.725 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

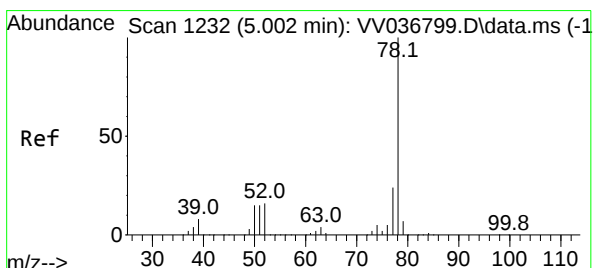
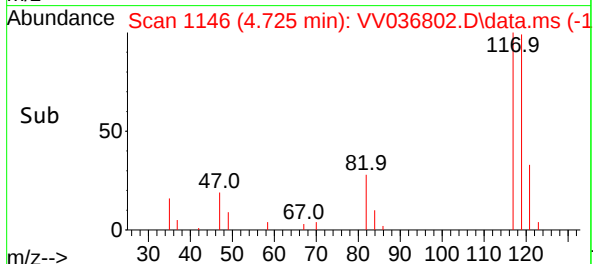
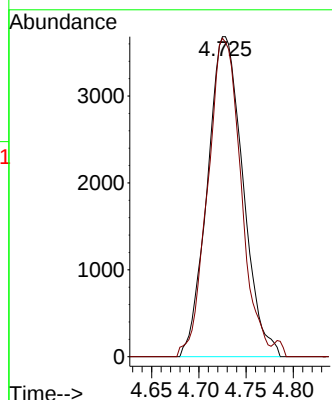
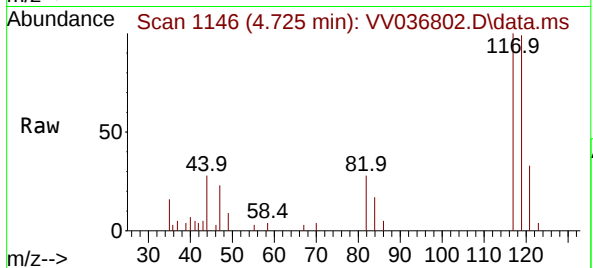
MDL-MED-SOIL-QT3-2024-06

Tgt Ion:117 Resp: 9637

Ion Ratio Lower Upper

117 100

119 92.7 76.1 114.1



#33

Benzene

Concen: 2.016 ug/L

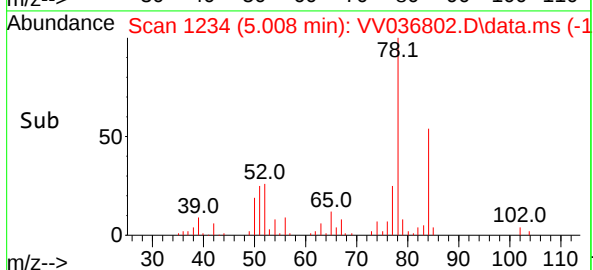
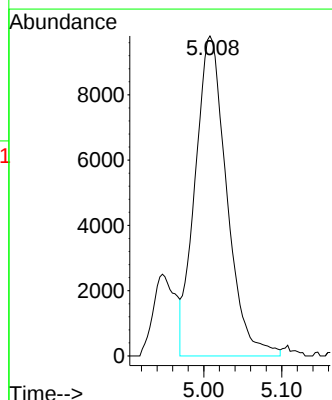
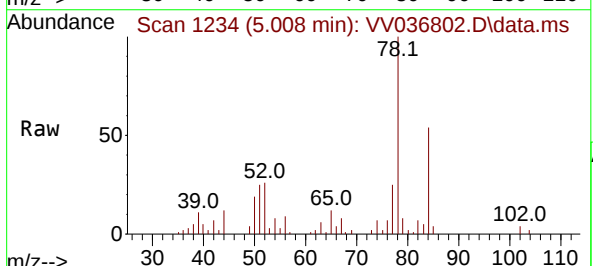
RT: 5.008 min Scan# 1234

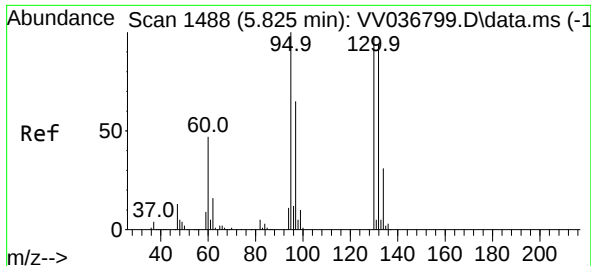
Delta R.T. 0.006 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Tgt Ion: 78 Resp: 27520

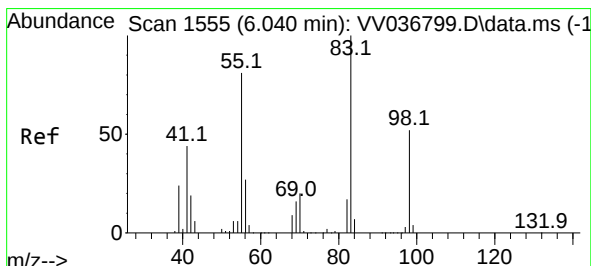
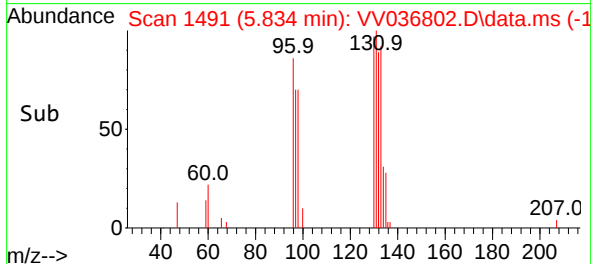
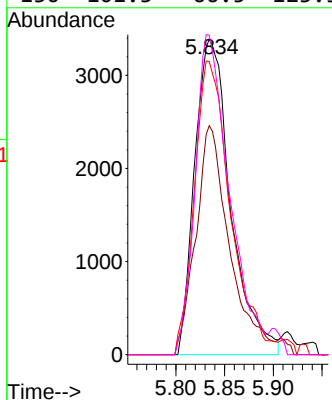
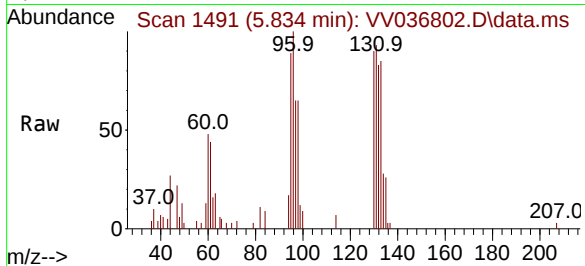




#34
Trichloroethene
Concen: 2.199 ug/L
RT: 5.834 min Scan# 1488
Delta R.T. 0.009 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

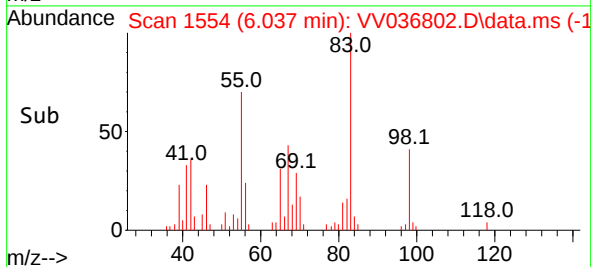
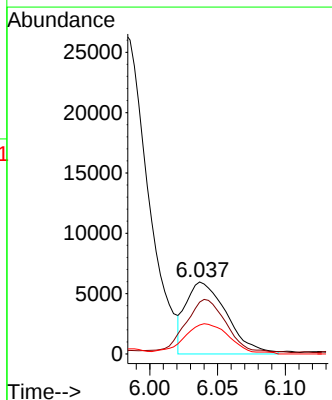
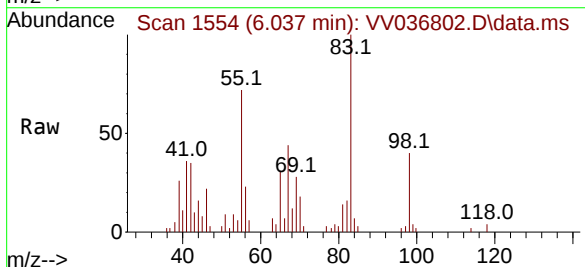
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

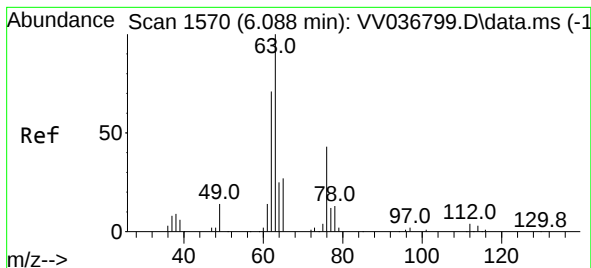
Tgt Ion:	95	Resp:	8699
Ion	Ratio	Lower	Upper
95	100		
97	72.6	44.7	82.9
132	92.9	62.9	116.9
130	101.3	66.5	123.5



#35
Methylcyclohexane
Concen: 2.047 ug/L
RT: 6.037 min Scan# 1554
Delta R.T. -0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion:	83	Resp:	12429
Ion	Ratio	Lower	Upper
83	100		
55	64.9	62.3	93.5
98	40.6	38.7	58.1





#37

1,2-Dichloropropane

Concen: 2.155 ug/L m

RT: 6.098 min Scan# 1

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

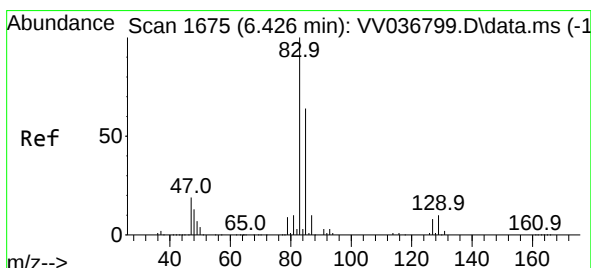
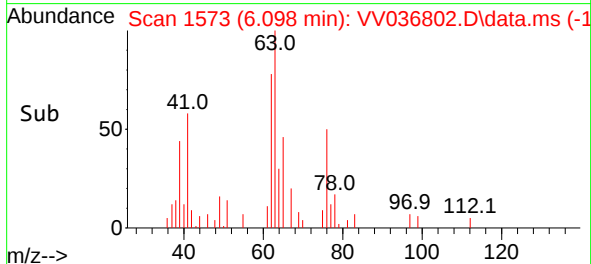
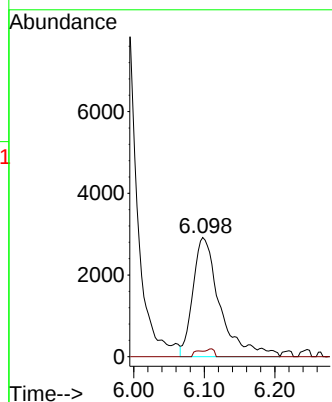
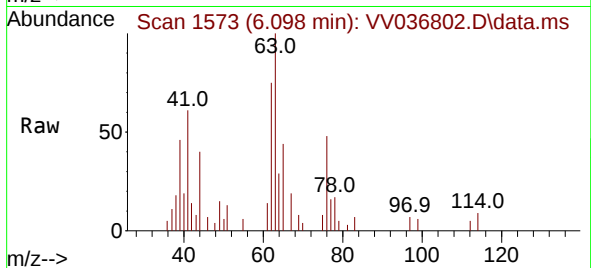
MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 63 Resp: 7795

Ion Ratio Lower Upper

63 100

112 1.6 3.6 5.4#



#38

Bromodichloromethane

Concen: 2.015 ug/L m

RT: 6.439 min Scan# 1679

Delta R.T. 0.013 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

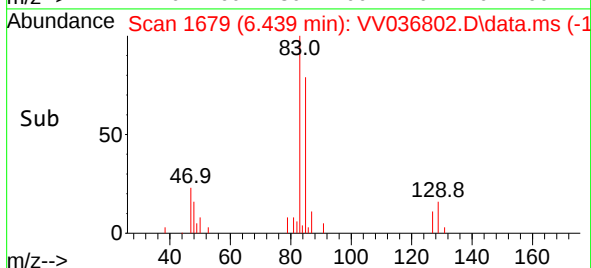
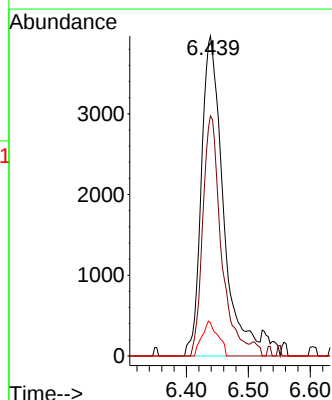
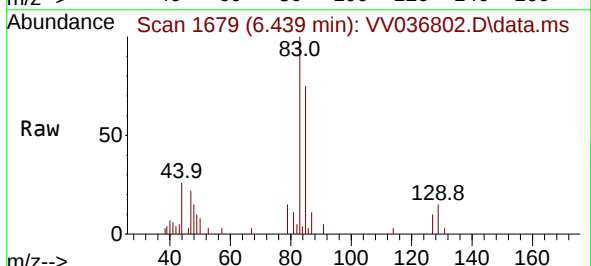
Tgt Ion: 83 Resp: 10036

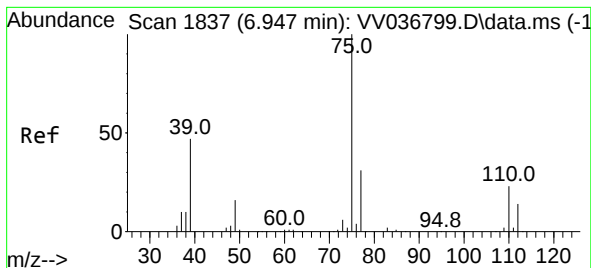
Ion Ratio Lower Upper

83 100

85 75.0 44.7 83.1

127 10.4 6.2 9.4#





#39

cis-1,3-Dichloropropene

Concen: 2.109 ug/L m

RT: 6.963 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

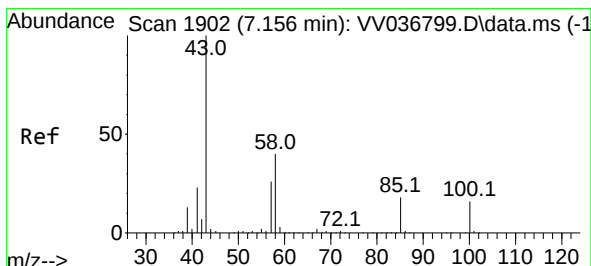
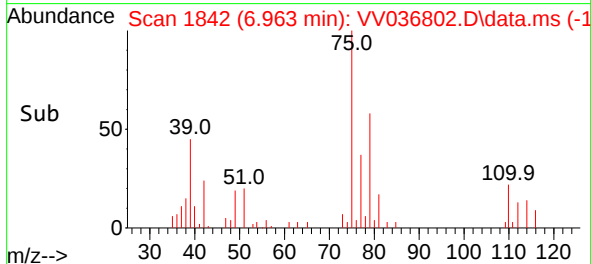
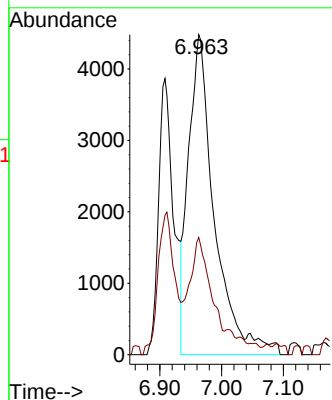
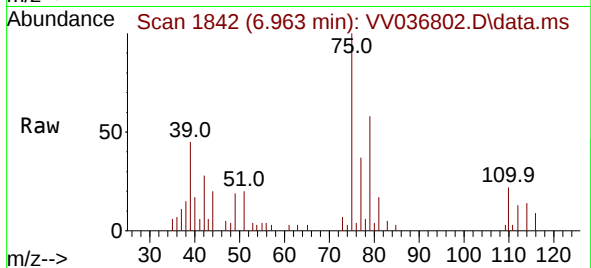
MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 75 Resp: 13061

Ion Ratio Lower Upper

75 100

77 36.6 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 4.283 ug/L m

RT: 7.169 min Scan# 1906

Delta R.T. 0.013 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

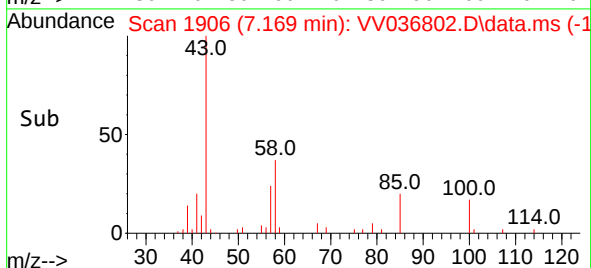
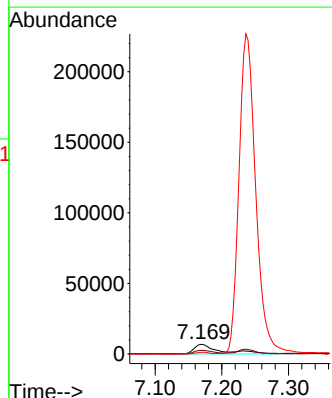
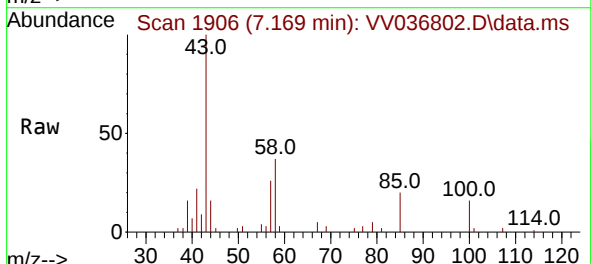
Tgt Ion: 43 Resp: 19188

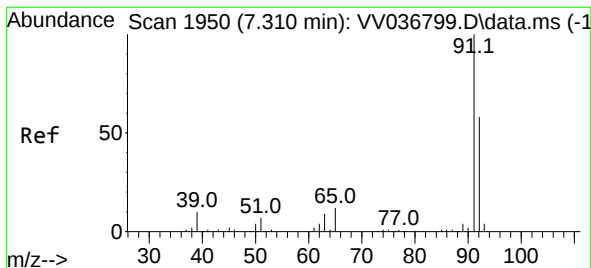
Ion Ratio Lower Upper

43 100

58 27.1 31.3 46.9#

100 10.0 12.6 18.8#





#42

Toluene

Concen: 2.021 ug/L

RT: 7.320 min Scan# 1950

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

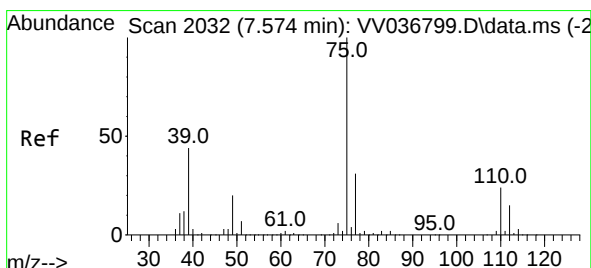
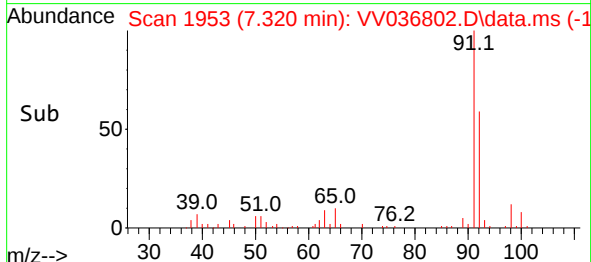
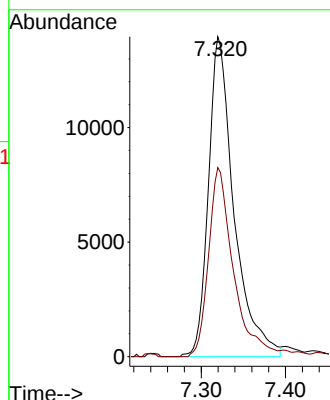
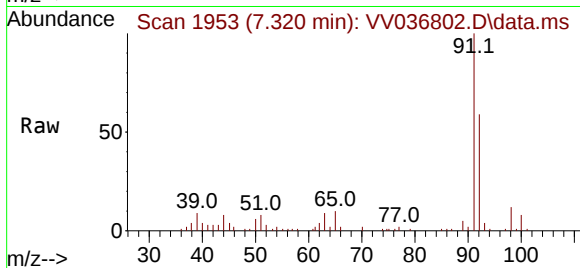
MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 91 Resp: 29390

Ion Ratio Lower Upper

91 100

92 59.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 1.972 ug/L m

RT: 7.587 min Scan# 2036

Delta R.T. 0.013 min

Lab File: VV036802.D

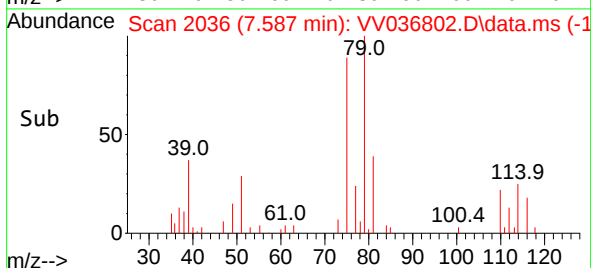
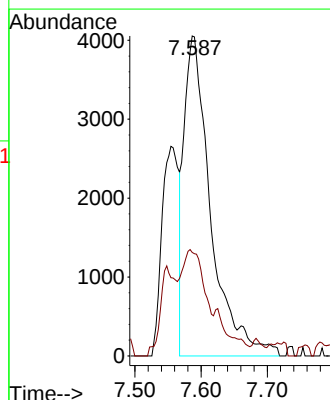
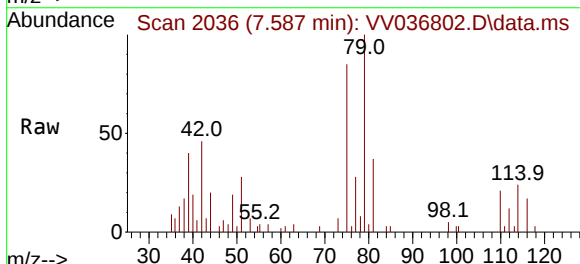
Acq: 06 Aug 2024 10:36

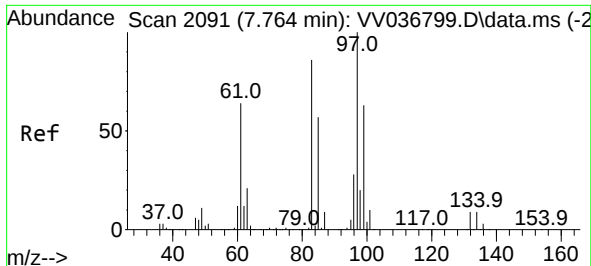
Tgt Ion: 75 Resp: 11382

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 1.931 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. 0.013 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 97 Resp: 6763

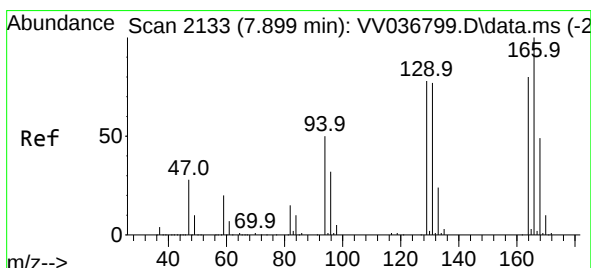
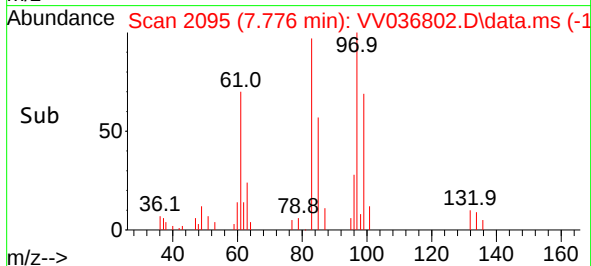
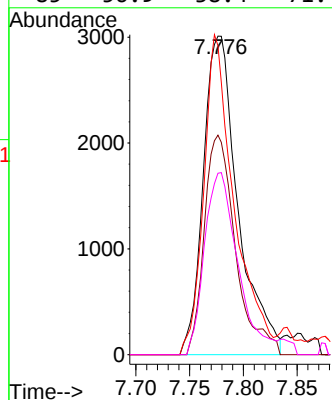
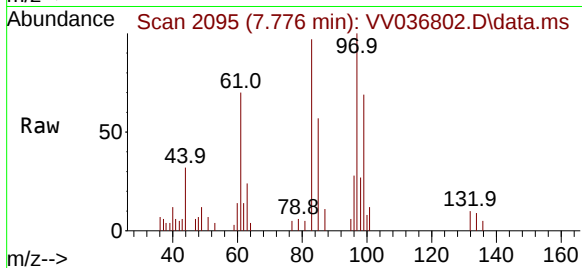
Ion Ratio Lower Upper

97 100

99 68.9 44.0 81.6

83 97.0 60.1 111.5

85 56.9 38.4 71.4



#46

Tetrachloroethene

Concen: 2.130 ug/L m

RT: 7.905 min Scan# 2135

Delta R.T. 0.006 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Tgt Ion: 164 Resp: 5527

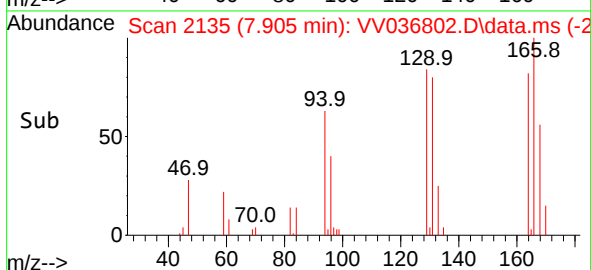
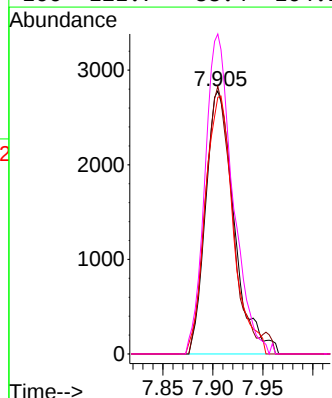
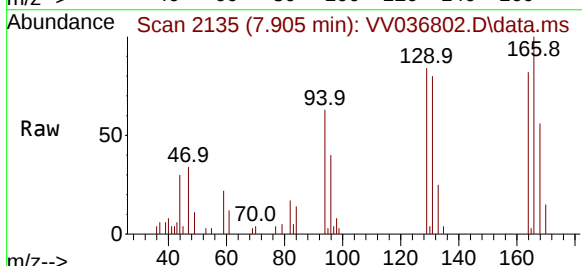
Ion Ratio Lower Upper

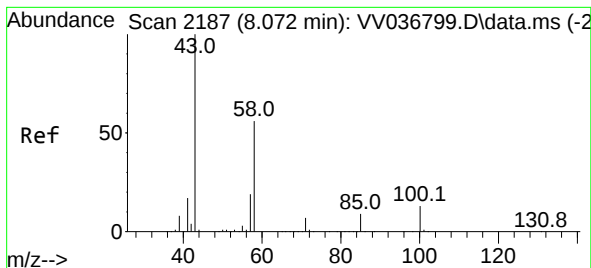
164 100

129 101.8 70.4 130.8

131 97.7 67.7 125.7

166 121.7 88.4 164.2





#48

2-Hexanone

Concen: 9.726 ug/L m

RT: 8.088 min Scan# 2187

Delta R.T. 0.016 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion: 43 Resp: 32055

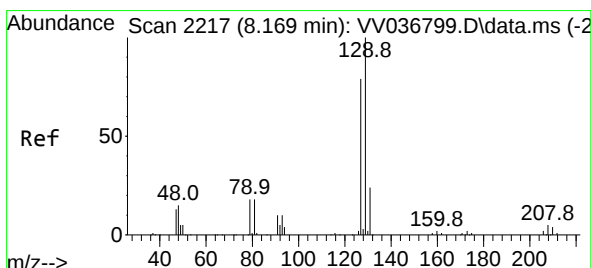
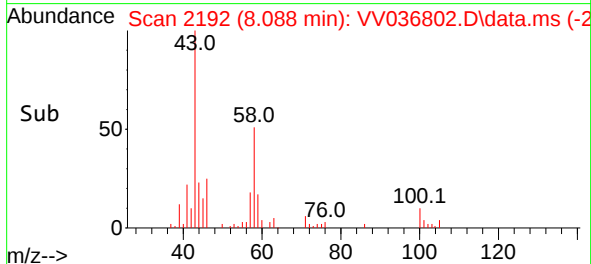
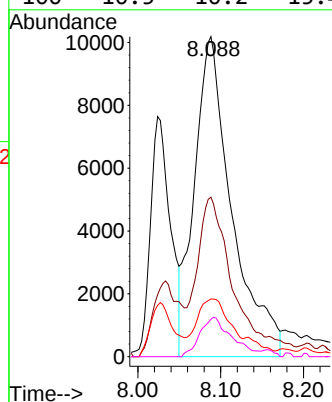
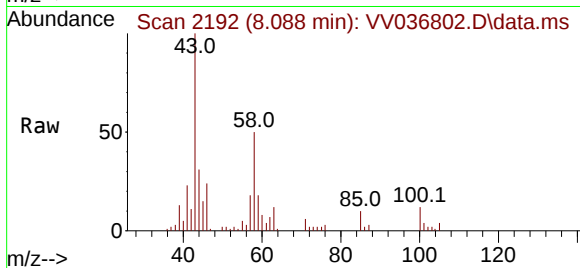
Ion Ratio Lower Upper

43 100

58 37.7 44.7 67.1#

57 10.7 15.0 22.4#

100 10.5 10.2 15.4



#49

Dibromochloromethane

Concen: 1.942 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.006 min

Lab File: VV036802.D

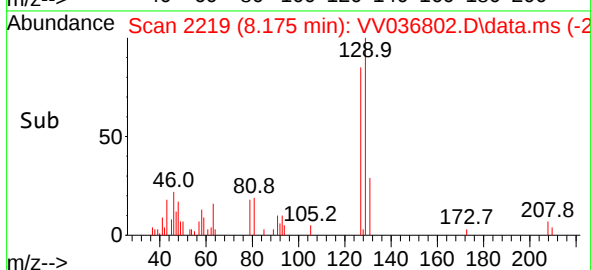
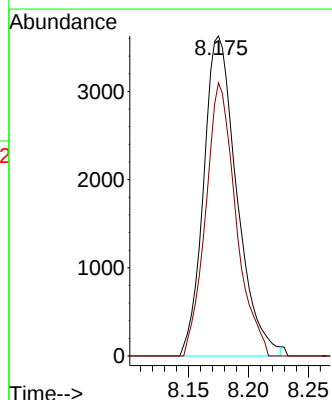
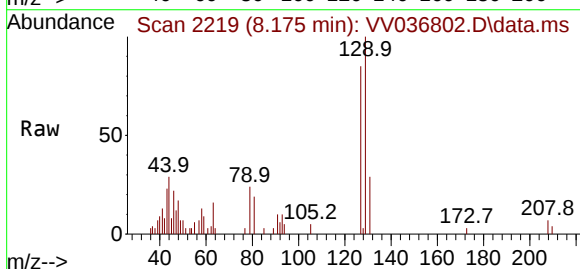
Acq: 06 Aug 2024 10:36

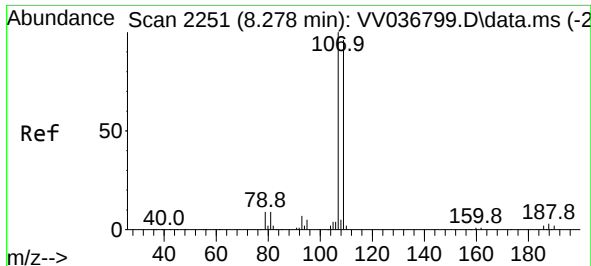
Tgt Ion: 129 Resp: 6990

Ion Ratio Lower Upper

129 100

127 85.3 55.4 102.8





#50

1,2-Dibromoethane

Concen: 1.954 ug/L

RT: 8.287 min Scan# 21

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

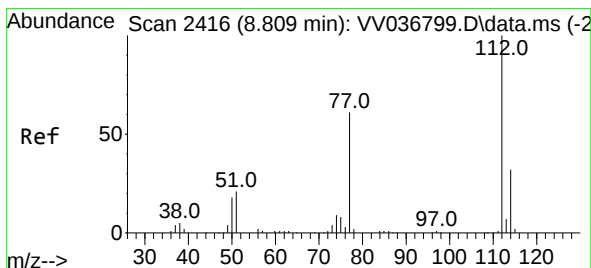
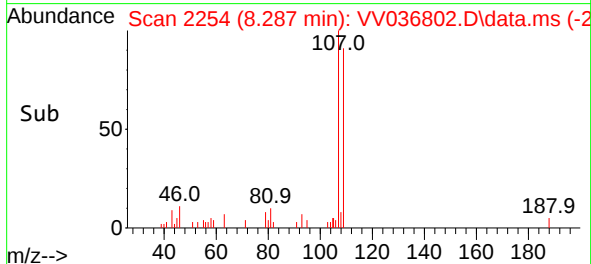
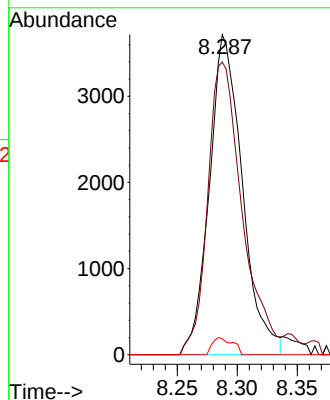
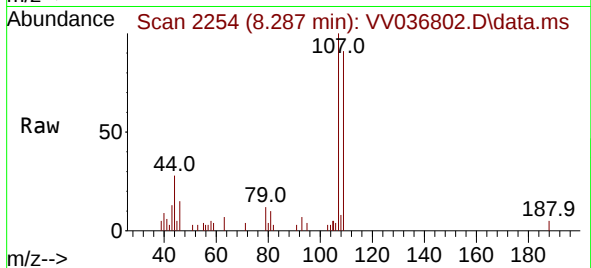
Tgt Ion:107 Resp: 7101

Ion Ratio Lower Upper

107 100

109 91.5 64.7 120.1

188 5.0 2.6 3.8#



#51

Chlorobenzene

Concen: 1.999 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

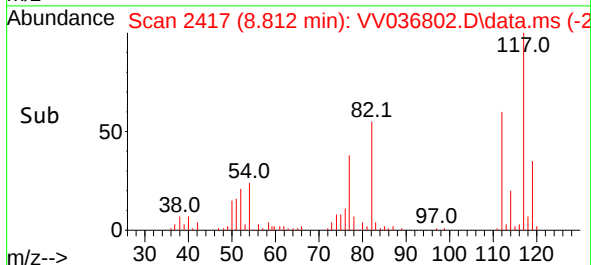
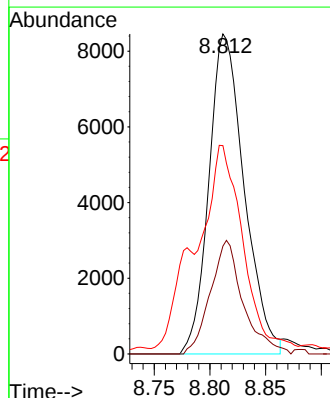
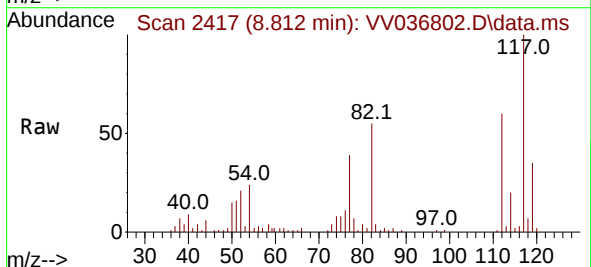
Tgt Ion:112 Resp: 18649

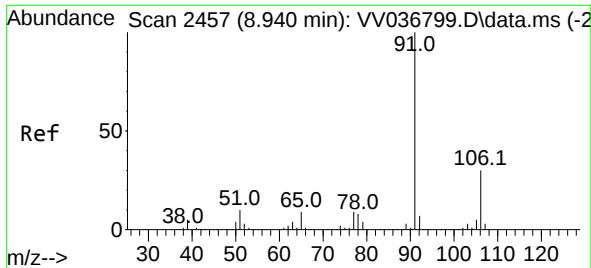
Ion Ratio Lower Upper

112 100

114 33.7 22.3 41.5

77 65.1 48.9 73.3

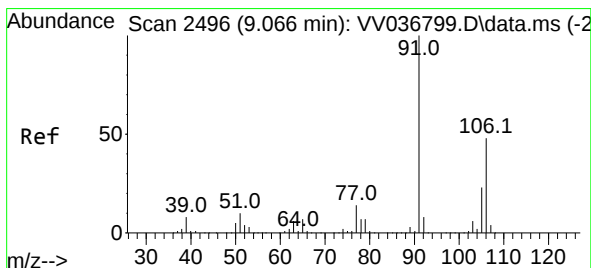
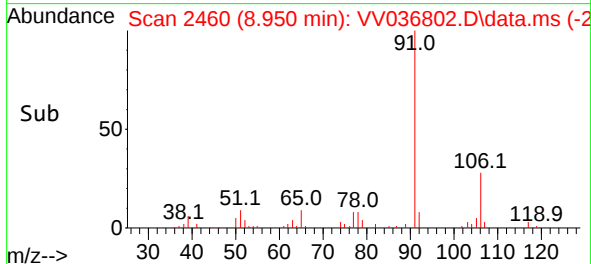
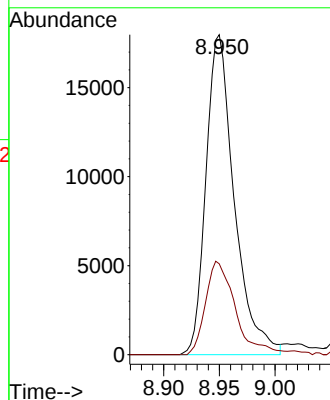
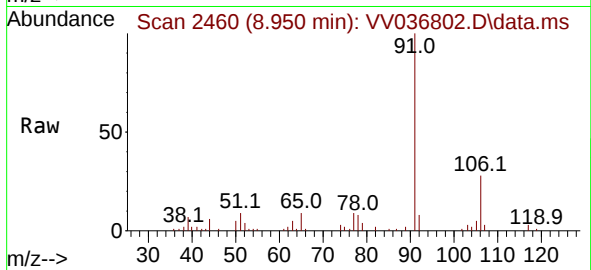




#52
Ethylbenzene
Concen: 1.916 ug/L
RT: 8.950 min Scan# 2457
Delta R.T. 0.009 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

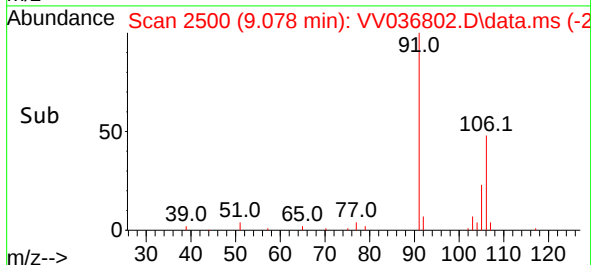
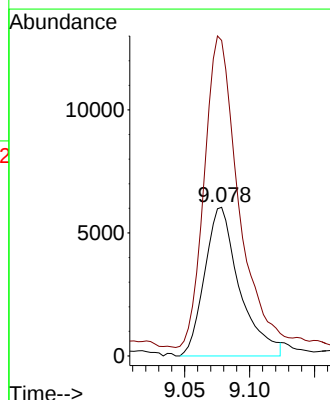
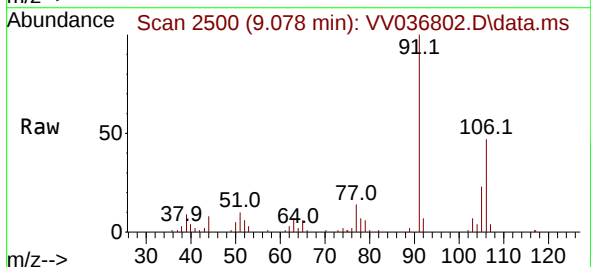
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

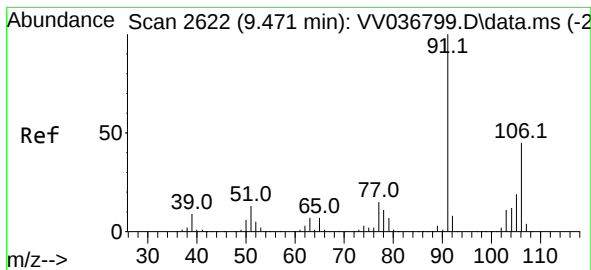
Tgt Ion: 91 Resp: 31815
Ion Ratio Lower Upper
91 100
106 28.4 21.1 39.1



#53
m,p-Xylene
Concen: 1.820 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. 0.013 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion: 106 Resp: 11295
Ion Ratio Lower Upper
106 100
91 212.2 147.1 273.3





#54

o-Xylene

Concen: 1.877 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

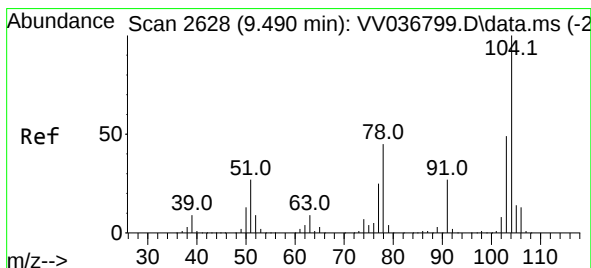
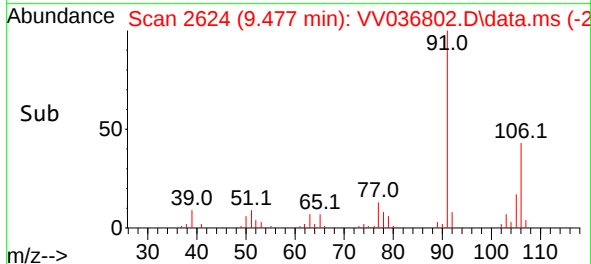
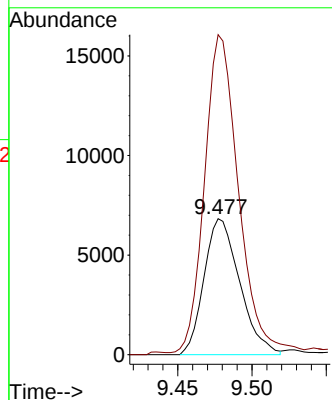
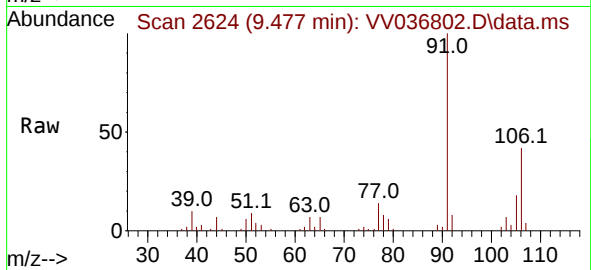
MDL-MED-SOIL-QT3-2024-06

Tgt Ion:106 Resp: 11396

Ion Ratio Lower Upper

106 100

91 235.4 154.5 286.9



#55

Styrene

Concen: 1.884 ug/L m

RT: 9.503 min Scan# 2632

Delta R.T. 0.013 min

Lab File: VV036802.D

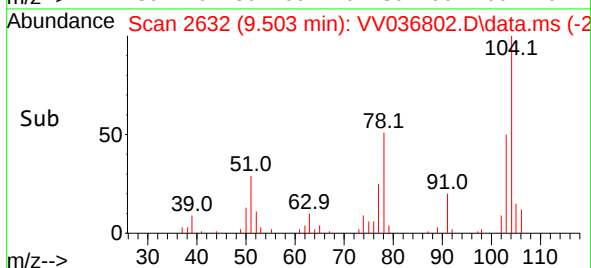
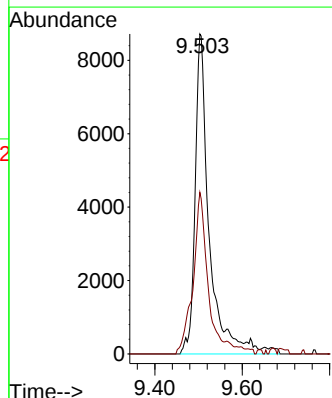
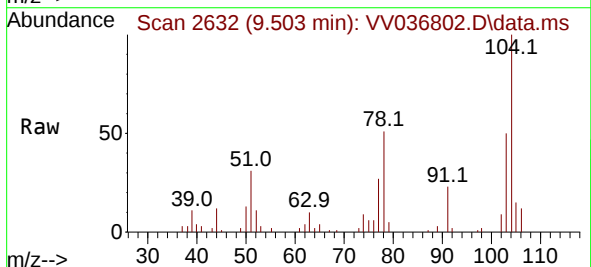
Acq: 06 Aug 2024 10:36

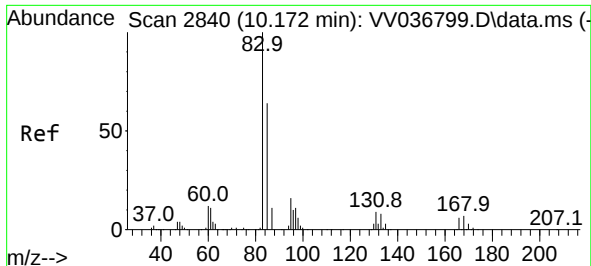
Tgt Ion:104 Resp: 19597

Ion Ratio Lower Upper

104 100

78 50.5 32.1 59.7

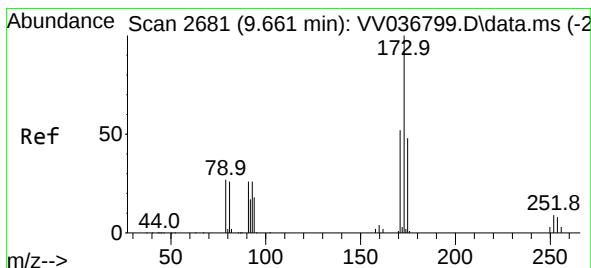
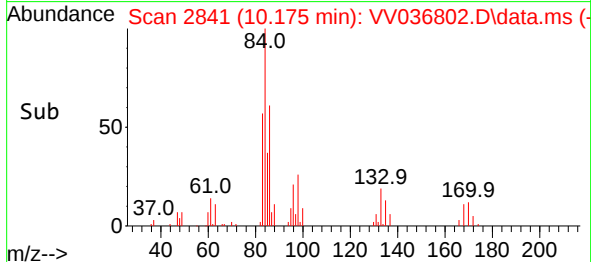
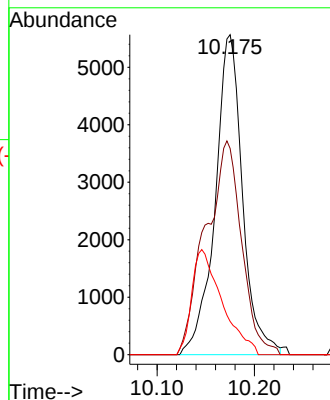
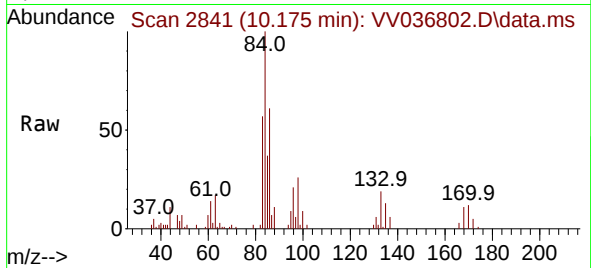




#57
1,1,2,2-Tetrachloroethane
Concen: 2.300 ug/L
RT: 10.175 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

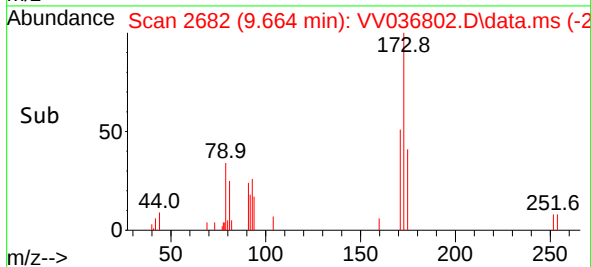
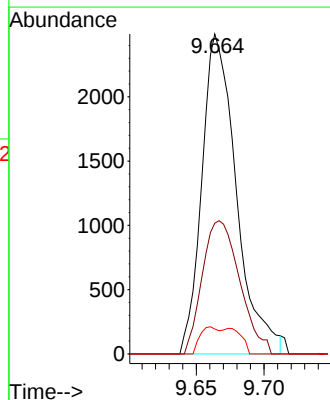
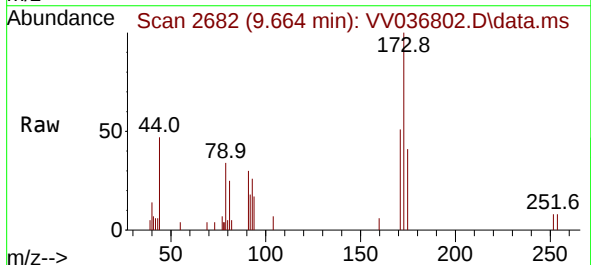
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-06

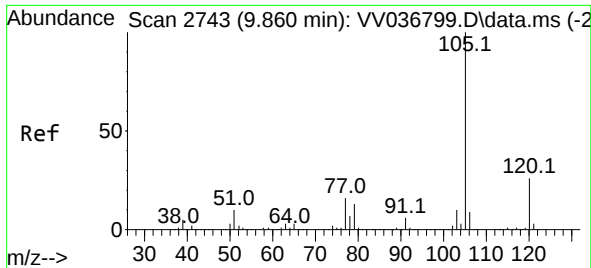
Tgt Ion:	83	Resp:	10870
Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.7	83.1
131	10.4	7.2	10.8



#59
Bromoform
Concen: 1.810 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion:	173	Resp:	4394
Ion	Ratio	Lower	Upper
173	100		
175	44.7	39.8	59.8
254	4.6	6.8	10.2

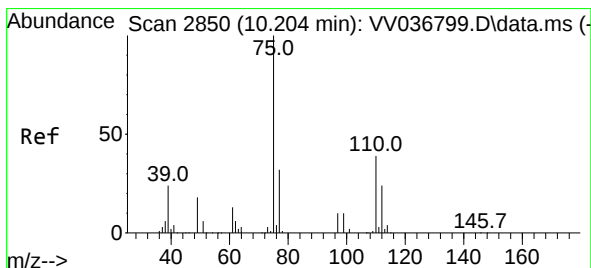
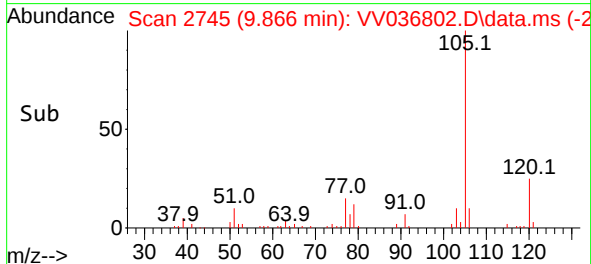
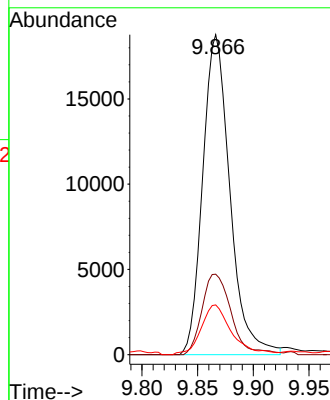
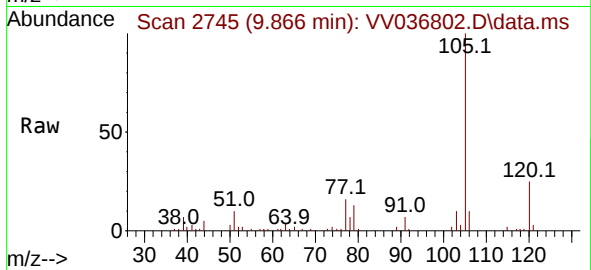




#60
Isopropylbenzene
Concen: 1.995 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

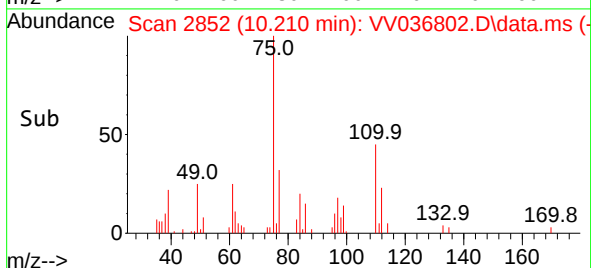
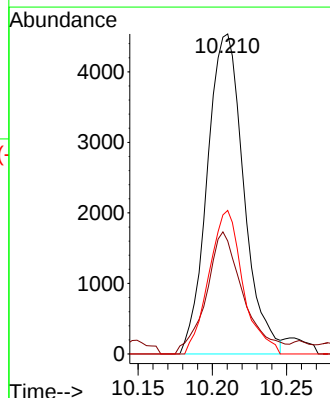
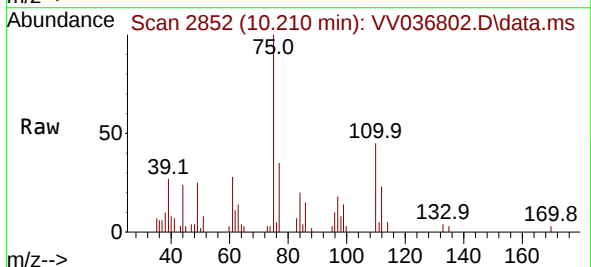
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

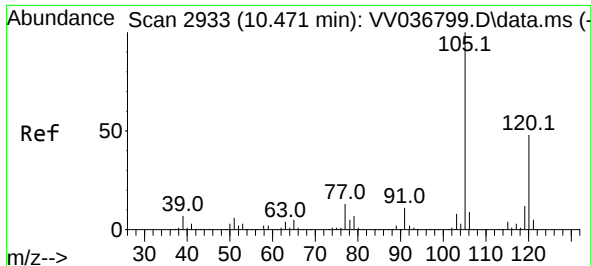
Tgt Ion:105 Resp: 31865
Ion Ratio Lower Upper
105 100
120 27.0 20.3 30.5
77 16.8 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 1.965 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.006 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion: 75 Resp: 7762
Ion Ratio Lower Upper
75 100
77 39.0 26.2 39.2
110 41.6 31.3 46.9

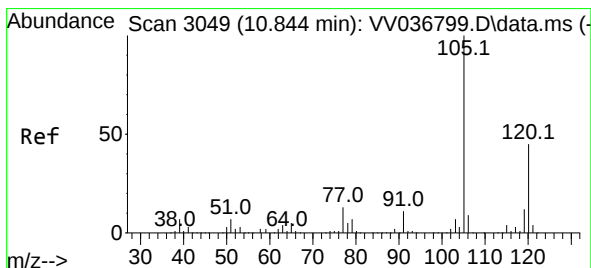
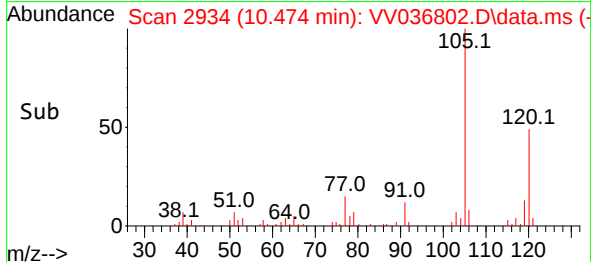
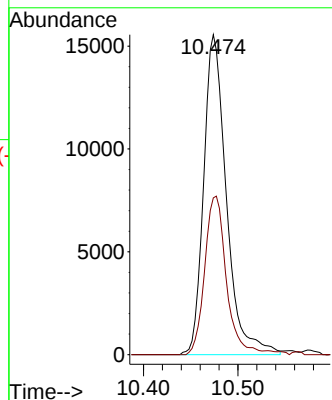
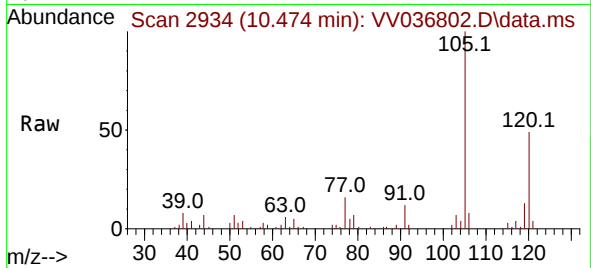




#62
1,3,5-Trimethylbenzene
Concen: 1.954 ug/L
RT: 10.474 min Scan# 2933
Delta R.T. 0.003 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

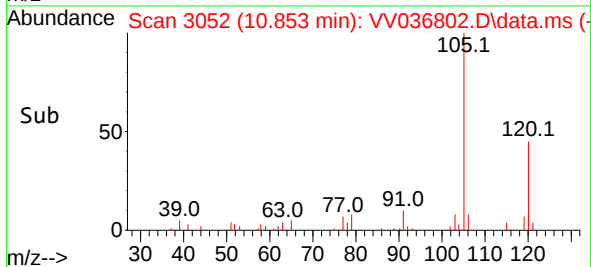
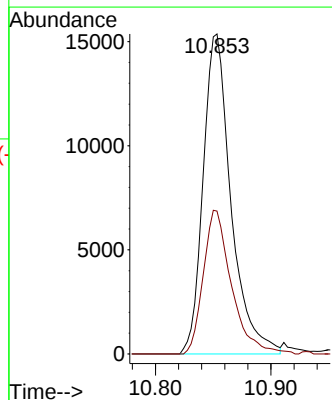
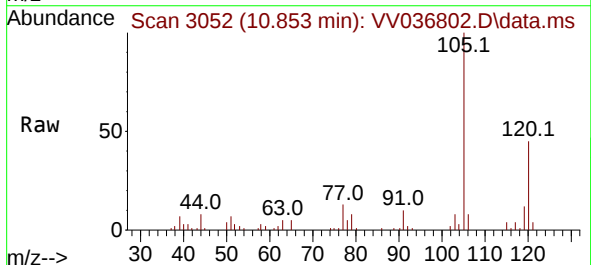
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

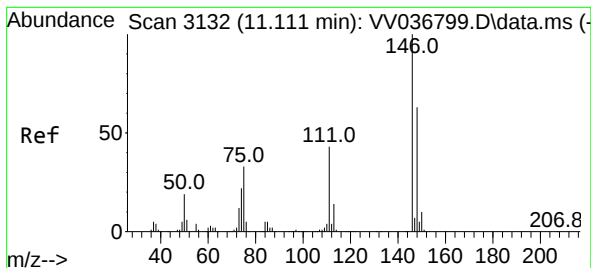
Tgt Ion:105 Resp: 25988
Ion Ratio Lower Upper
105 100
120 46.1 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 1.936 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. 0.009 min
Lab File: VV036802.D
Acq: 06 Aug 2024 10:36

Tgt Ion:105 Resp: 25767
Ion Ratio Lower Upper
105 100
120 45.4 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 2.117 ug/L

RT: 11.120 min Scan# 3132

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

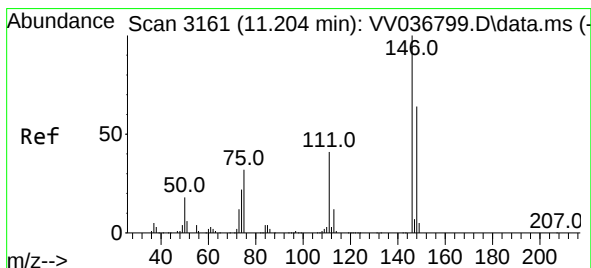
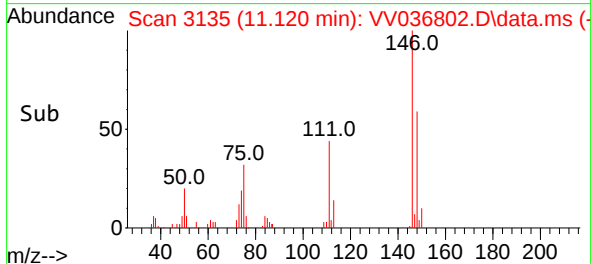
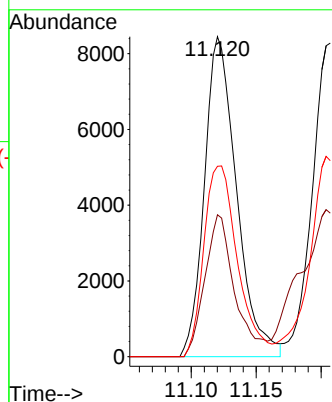
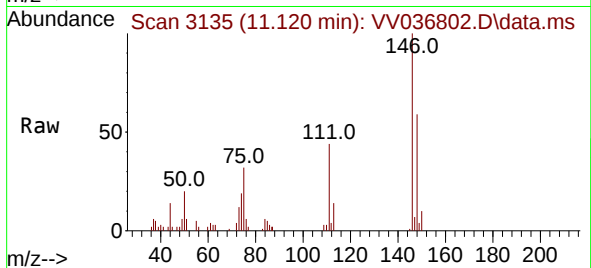
Tgt Ion:146 Resp: 14541

Ion Ratio Lower Upper

146 100

111 44.3 29.8 55.4

148 59.5 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 2.346 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

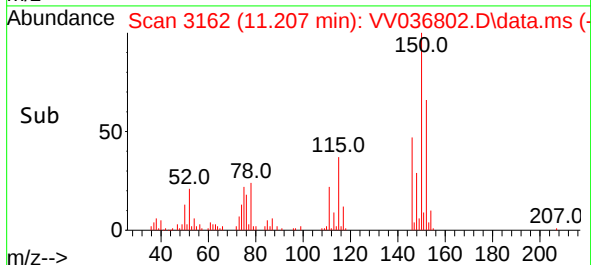
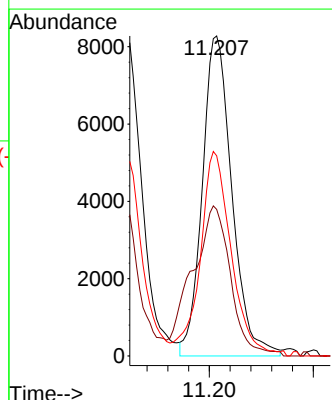
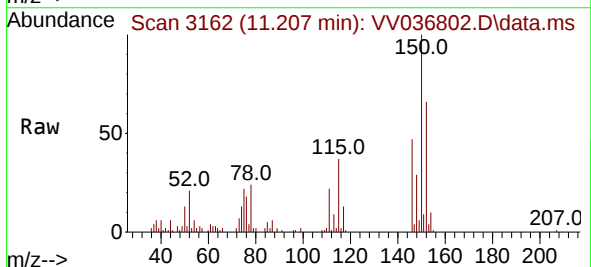
Tgt Ion:146 Resp: 16382

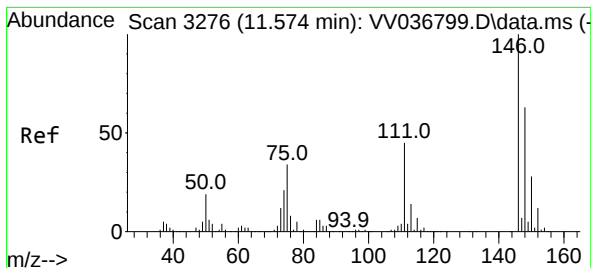
Ion Ratio Lower Upper

146 100

111 45.8 29.0 53.9

148 62.5 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 2.115 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

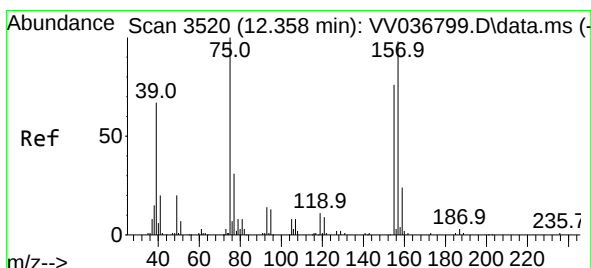
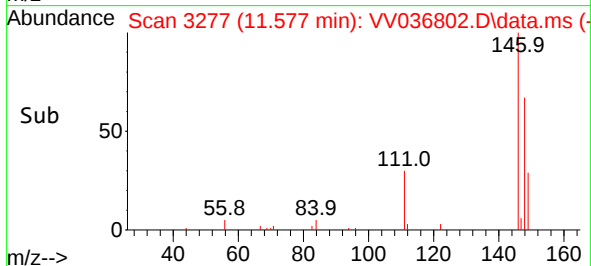
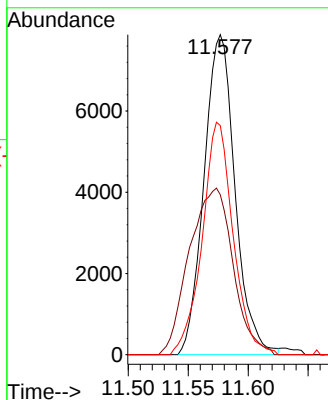
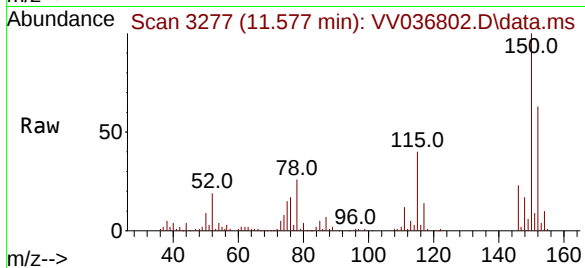
Tgt Ion:146 Resp: 14186

Ion Ratio Lower Upper

146 100

111 50.0 35.7 53.5

148 71.6 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 1.724 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.006 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

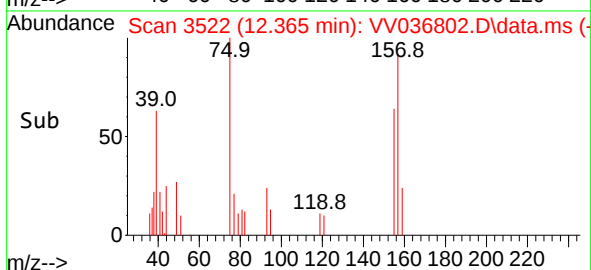
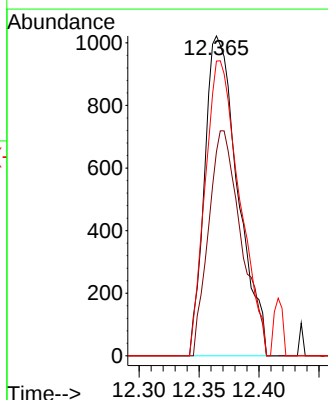
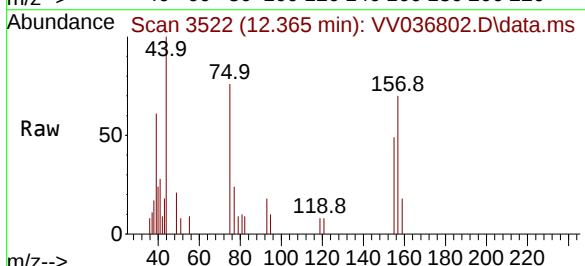
Tgt Ion: 75 Resp: 1967

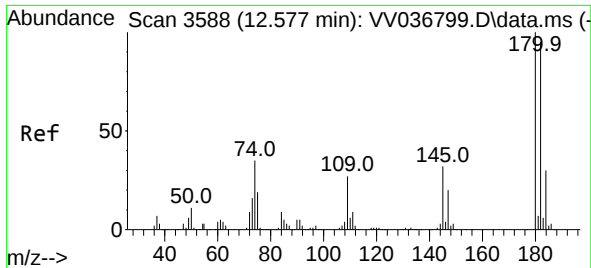
Ion Ratio Lower Upper

75 100

155 63.8 59.5 89.3

157 92.2 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 1.928 ug/L

RT: 12.583 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV036802.D

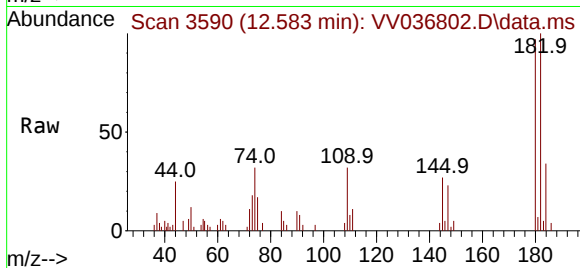
Acq: 06 Aug 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion:180 Resp: 9396

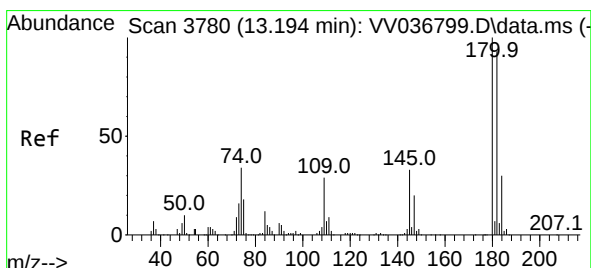
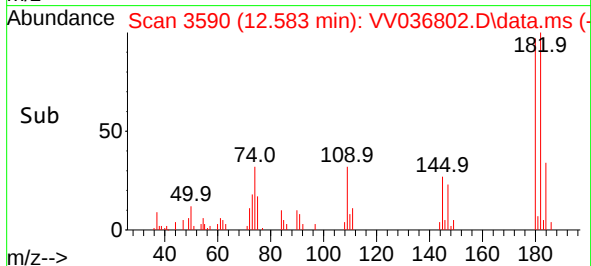
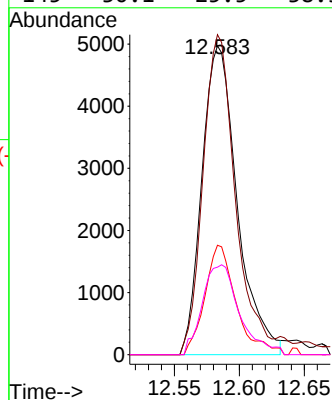
Ion Ratio Lower Upper

180 100

182 94.7 75.0 112.6

184 29.6 23.7 35.5

145 30.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 1.912 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

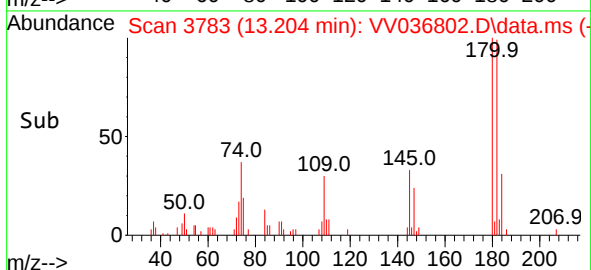
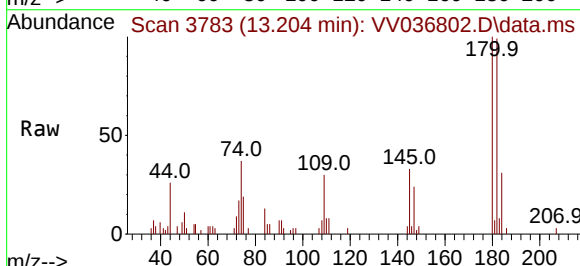
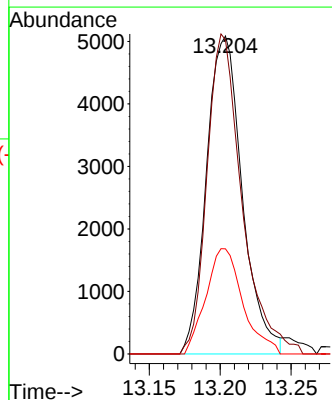
Tgt Ion:180 Resp: 8937

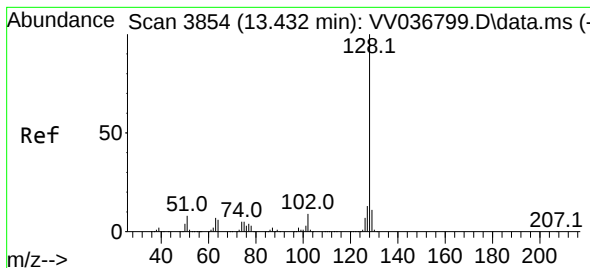
Ion Ratio Lower Upper

180 100

182 97.5 75.1 112.7

145 34.1 26.5 39.7





#71

Naphthalene

Concen: 1.957 ug/L m

RT: 13.442 min Scan# 3

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

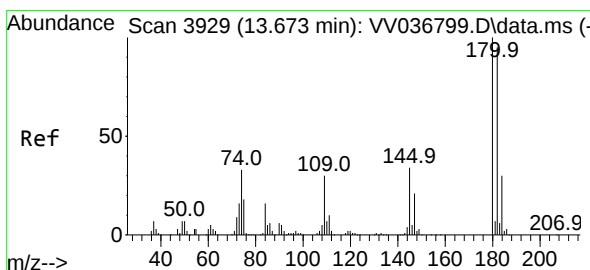
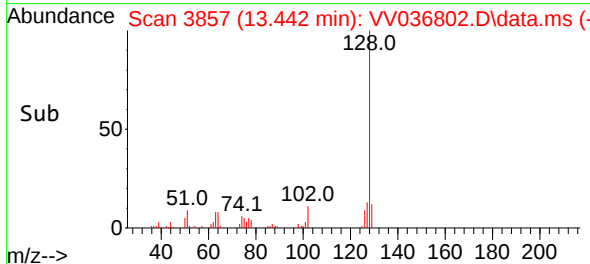
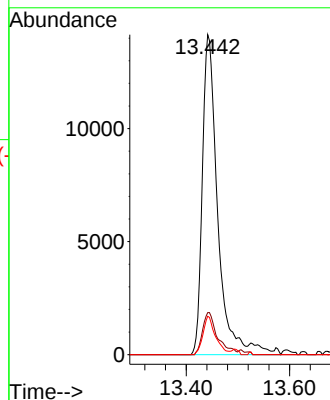
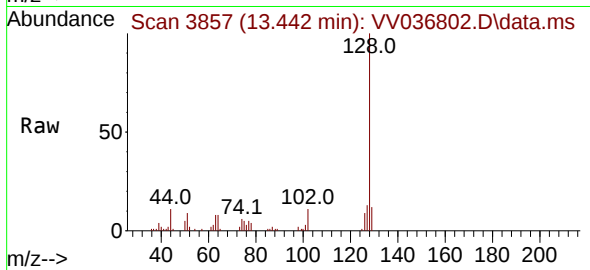
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-06

Tgt Ion:	128	Resp:	29332
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.5	15.7
129	9.8	8.7	13.1



#72

1,2,3-Trichlorobenzene

Concen: 1.935 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.009 min

Lab File: VV036802.D

Acq: 06 Aug 2024 10:36

Tgt Ion:	180	Resp:	8856
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.2	114.2
145	32.9	27.8	41.6

