

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100323\
 Data File : VW032214.D
 Acq On : 03 Oct 2023 13:54
 Operator : SY/MD
 Sample : 04696-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Oct 04 04:06:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 04 04:04:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	199902	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	194515	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	101118	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	73426	59.354	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 118.700%			
7) Chloroethane-d5	1.532	69	59548	55.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.620%			
11) 1,1-Dichloroethene-d2	2.060	65	30894	57.191	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 114.380%			
21) 2-Butanone-d5	3.789	46	94772	85.199	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 85.200%			
24) Chloroform-d	4.252	84	122716	47.403	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.800%			
26) 1,2-Dichloroethane-d4	4.944	65	75199	48.279	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.560%			
32) Benzene-d6	4.963	84	254778	49.825	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.660%			
36) 1,2-Dichloropropane-d6	5.992	67	86956	50.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.920%			
41) Toluene-d8	7.246	98	232001	49.733	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.460%			
43) trans-1,3-Dichloroprop...	7.558	79	34975	43.085	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.160%			
47) 2-Hexanone-d5	8.027	63	56398	76.536	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 76.540%			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	103616	42.694	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.380%			
66) 1,2-Dichlorobenzene-d4	11.564	152	88934	48.499	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	3603	2.129	ug/L	96
3) Chloromethane	1.217	50	4326	2.357	ug/L	98
5) Vinyl chloride	1.281	62	4148	2.294	ug/L #	62
6) Bromomethane	1.484	94	2317	2.259	ug/L	89
8) Chloroethane	1.548	64	2605	2.315	ug/L	100
9) Trichlorofluoromethane	1.712	101	4986	2.149	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	4097	2.928	ug/L #	81
12) 1,1-Dichloroethene	2.069	96	3546	2.739	ug/L #	1
13) Acetone	2.114	43	5666	5.445	ug/L	99
14) Carbon disulfide	2.240	76	8348	2.015	ug/L	97
15) Methyl Acetate	2.378	43	3809	2.052	ug/L	95
16) Methylene chloride	2.449	84	4059	2.483	ug/L	91
17) trans-1,2-Dichloroethene	2.696	96	3052	2.091	ug/L	89
18) Methyl tert-butyl Ether	2.706	73	9484	1.942	ug/L #	94
19) 1,1-Dichloroethane	3.117	63	6297	2.200	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	3275	1.993	ug/L	94
22) 2-Butanone	3.918	43	6155m	4.406	ug/L	
23) Bromochloromethane	4.162	128	1618	1.966	ug/L	99
25) Chloroform	4.278	83	7353	2.632	ug/L	95

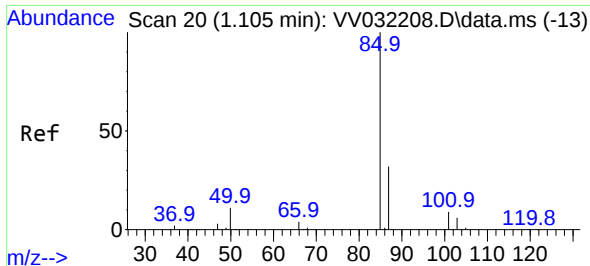
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 04 04:04:33 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	4773	2.261	ug/L	96
29) Cyclohexane	4.587	56	5300	1.952	ug/L #	89
30) 1,1,1-Trichloroethane	4.519	97	4969	2.049	ug/L	98
31) Carbon tetrachloride	4.741	117	4259	2.033	ug/L	99
33) Benzene	5.018	78	12780m	2.060	ug/L	
34) Trichloroethene	5.844	95	3717m	2.176	ug/L	
35) Methylcyclohexane	6.053	83	6238m	2.284	ug/L	
37) 1,2-Dichloropropane	6.101	63	4099	2.408	ug/L #	89
38) Bromodichloromethane	6.442	83	3937	1.840	ug/L #	91
39) cis-1,3-Dichloropropene	6.966	75	5312m	1.967	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	8258	3.254	ug/L	97
42) Toluene	7.326	91	13388	2.021	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	5079m	2.054	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	3400	2.094	ug/L	94
46) Tetrachloroethene	7.911	164	2595	2.090	ug/L	96
48) 2-Hexanone	8.085	43	11713	5.909	ug/L #	82
49) Dibromochloromethane	8.182	129	3085	1.911	ug/L	97
50) 1,2-Dibromoethane	8.294	107	3638	2.104	ug/L #	79
51) Chlorobenzene	8.818	112	9179	2.147	ug/L	99
52) Ethylbenzene	8.956	91	13933	1.883	ug/L	99
53) m,p-Xylene	9.082	106	5190	1.883	ug/L	95
54) o-Xylene	9.487	106	5128	1.888	ug/L	97
55) Styrene	9.506	104	7924	1.710	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	5490	2.169	ug/L #	95
59) Bromoform	9.673	173	2136	1.901	ug/L #	66
60) Isopropylbenzene	9.873	105	13490	1.917	ug/L	97
61) 1,2,3-Trichloropropane	10.214	75	4163	2.118	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	10658	1.843	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	9777	1.719	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	6516	1.980	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	6994	2.104	ug/L	93
67) 1,2-Dichlorobenzene	11.587	146	7362	2.275	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	947m	1.745	ug/L	
69) 1,3,5-Trichlorobenzene	12.590	180	4779	2.006	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	4243	1.894	ug/L	97
71) Naphthalene	13.448	128	12554	1.701	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	4144	1.861	ug/L	98

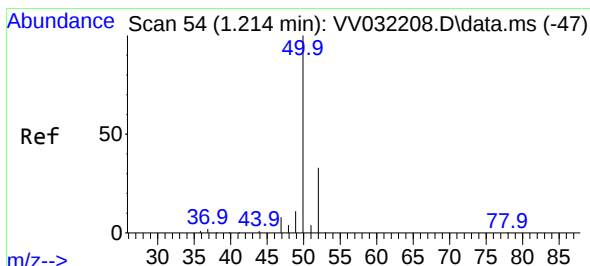
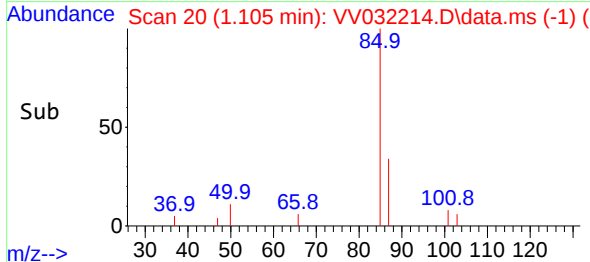
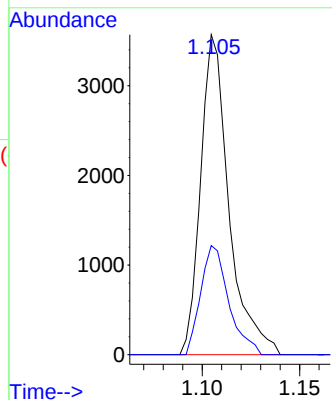
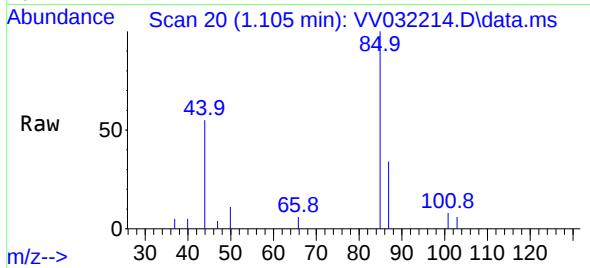
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 2.129 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

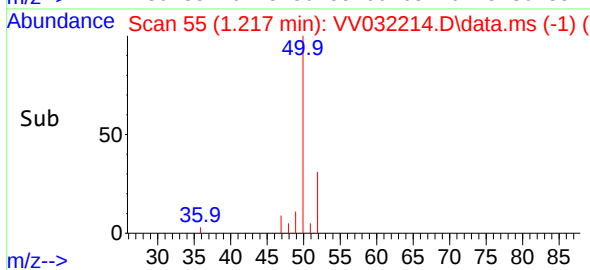
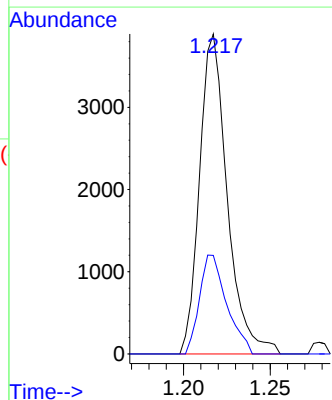
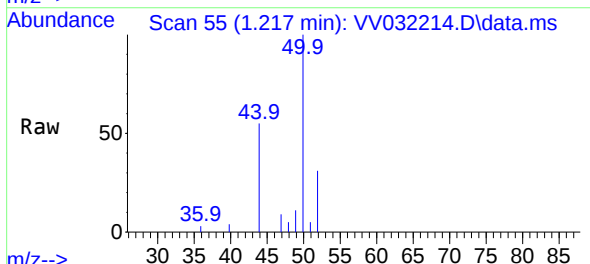
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

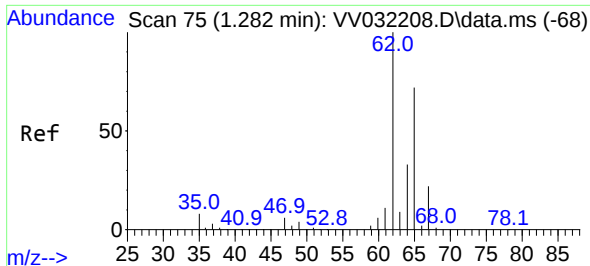
Tgt Ion: 85 Resp: 3603
Ion Ratio Lower Upper
85 100
87 33.8 25.4 38.0



#3
Chloromethane
Concen: 2.357 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 50 Resp: 4326
Ion Ratio Lower Upper
50 100
52 30.8 22.4 41.6

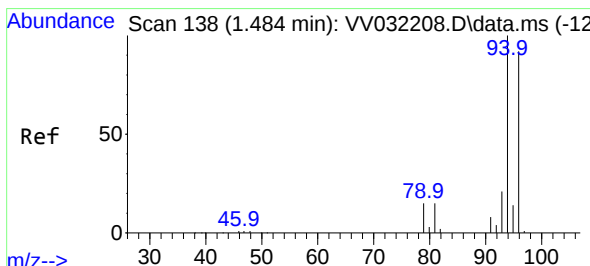
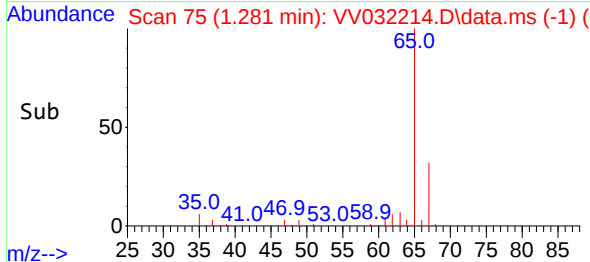
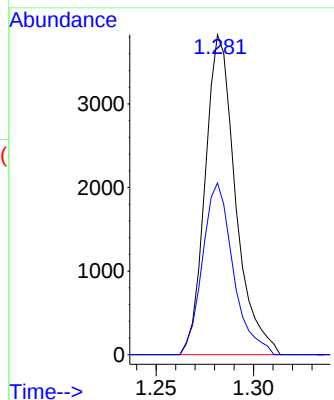
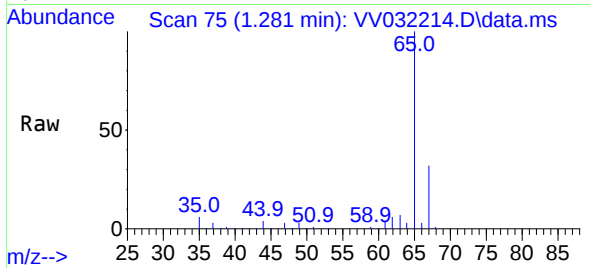




#5
 Vinyl chloride
 Concen: 2.294 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032214.D
 Acq: 03 Oct 2023 13:54

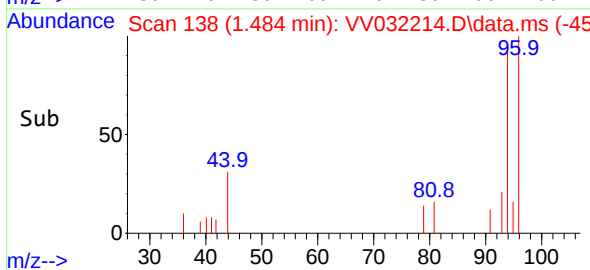
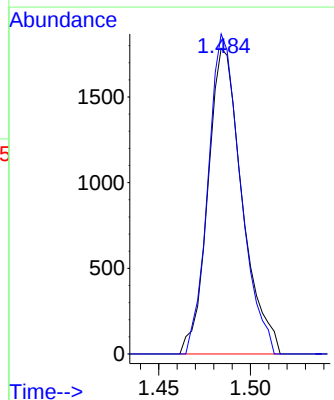
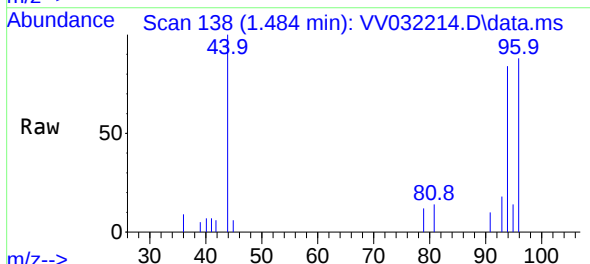
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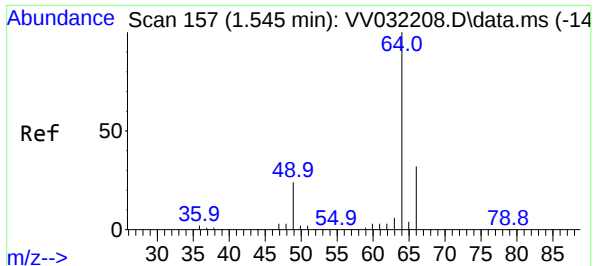
Tgt Ion: 62 Resp: 4148
 Ion Ratio Lower Upper
 62 100
 64 53.6 22.5 41.9#



#6
 Bromomethane
 Concen: 2.259 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032214.D
 Acq: 03 Oct 2023 13:54

Tgt Ion: 94 Resp: 2317
 Ion Ratio Lower Upper
 94 100
 96 104.7 65.7 122.1

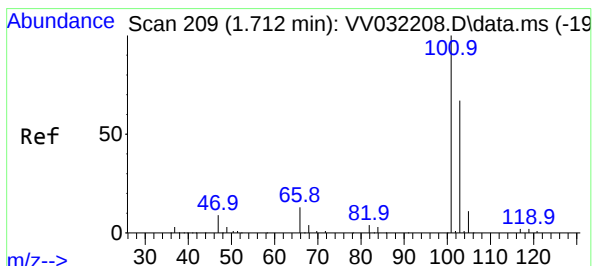
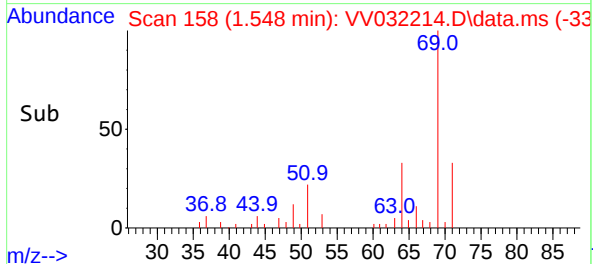
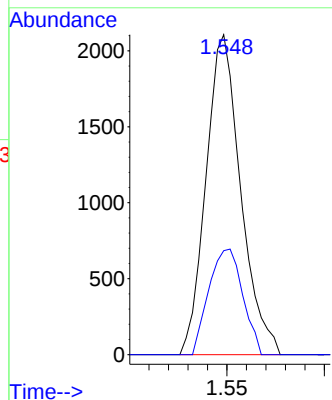
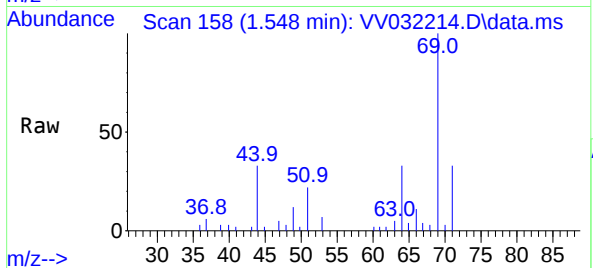




#8
Chloroethane
Concen: 2.315 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

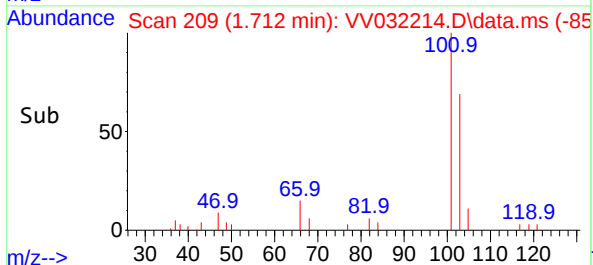
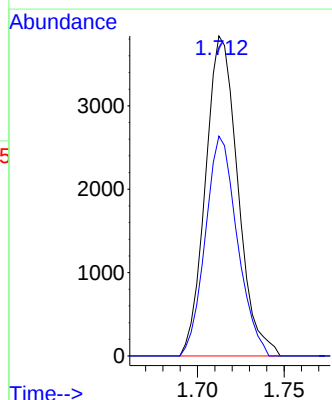
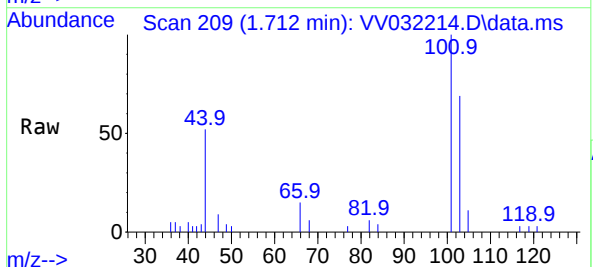
Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

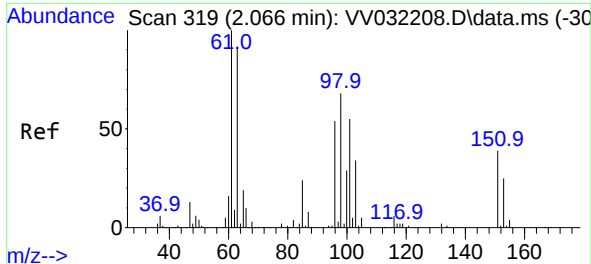
Tgt Ion: 64 Resp: 2605
Ion Ratio Lower Upper
64 100
66 32.5 23.0 42.6



#9
Trichlorofluoromethane
Concen: 2.149 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:101 Resp: 4986
Ion Ratio Lower Upper
101 100
103 67.7 52.1 78.1

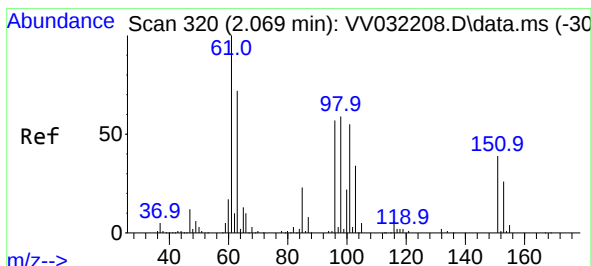
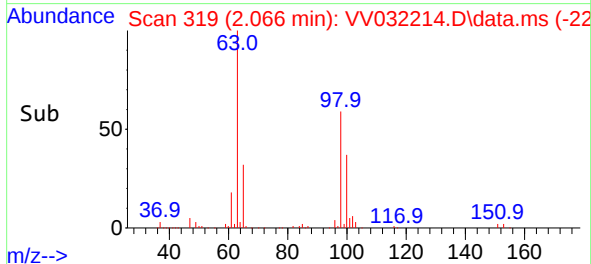
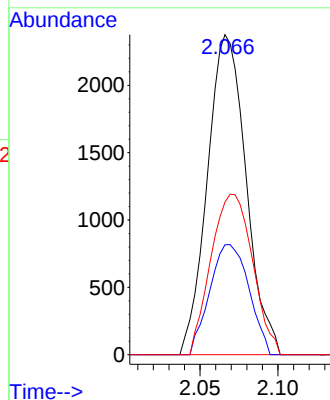
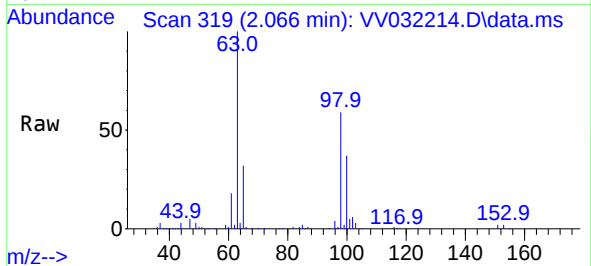




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.928 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.000 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

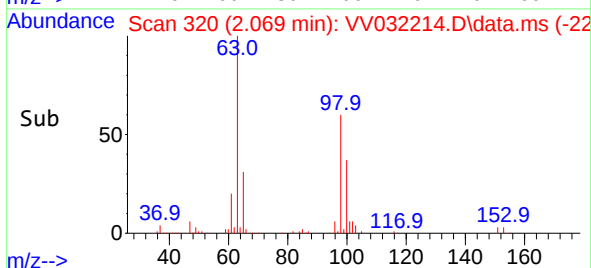
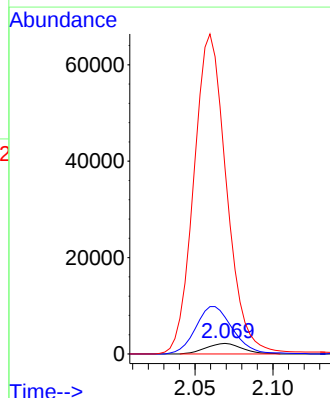
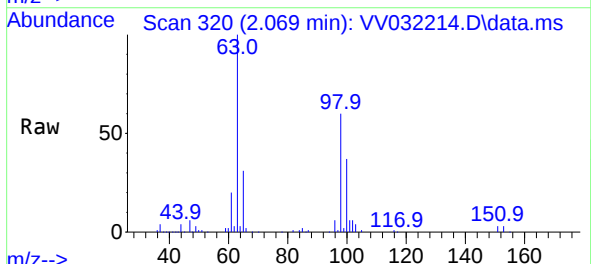
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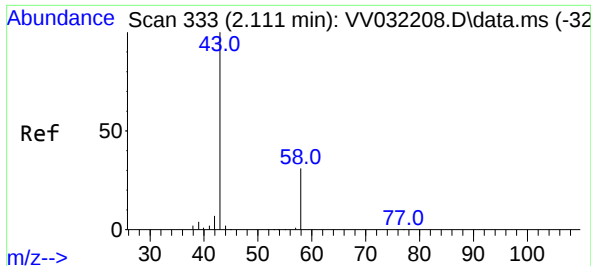
Tgt Ion:101 Resp: 4097
Ion Ratio Lower Upper
101 100
85 34.9 35.4 53.2#
151 53.9 57.6 86.4#



#12
1,1-Dichloroethene
Concen: 2.739 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 96 Resp: 3546
Ion Ratio Lower Upper
96 100
61 346.7 123.7 229.7#
63 1753.0 89.9 167.0#





#13

Acetone

Concen: 5.445 ug/L

RT: 2.114 min Scan# 311

Delta R.T. 0.003 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

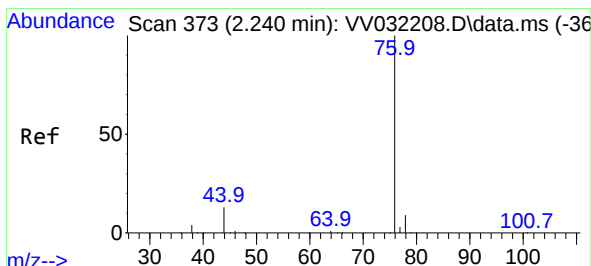
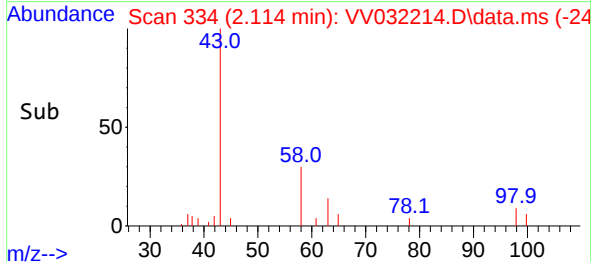
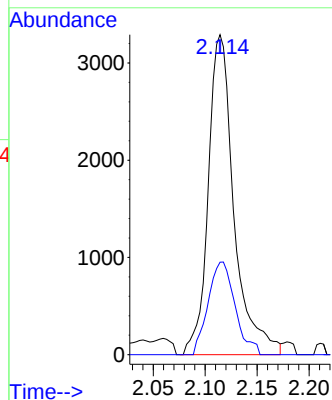
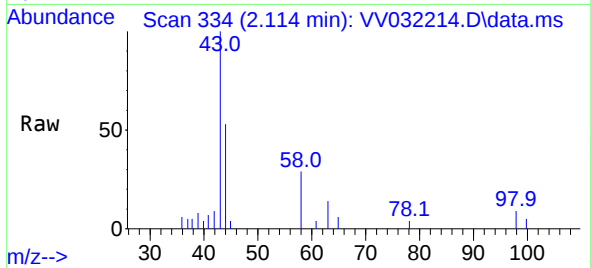
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 5666

Ion Ratio Lower Upper

43 100

58 30.3 0.0 61.4



#14

Carbon disulfide

Concen: 2.015 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032214.D

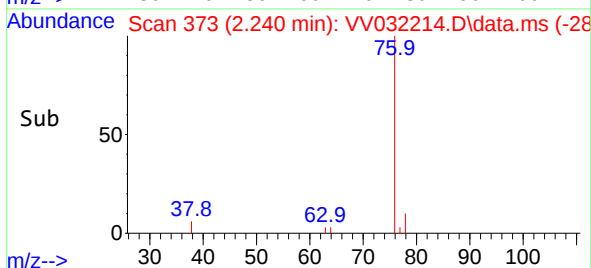
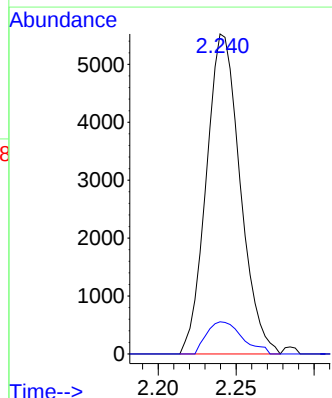
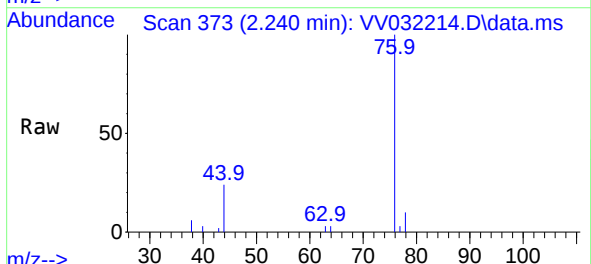
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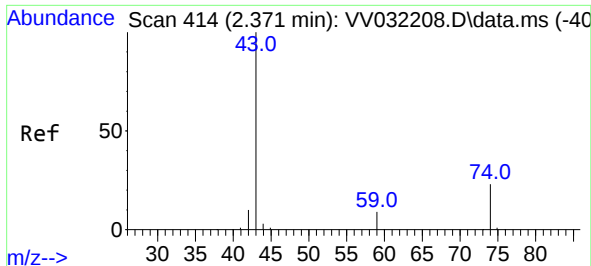
Tgt Ion: 76 Resp: 8348

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

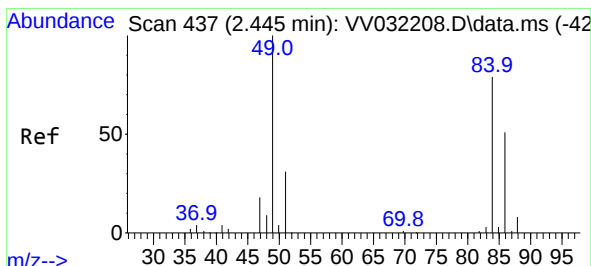
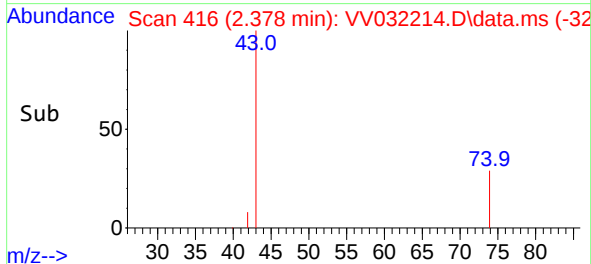
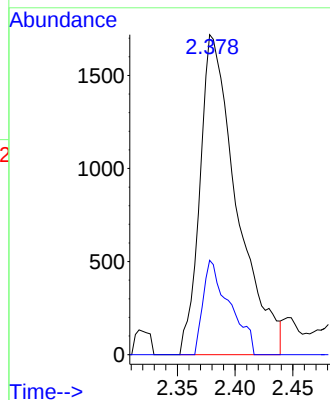
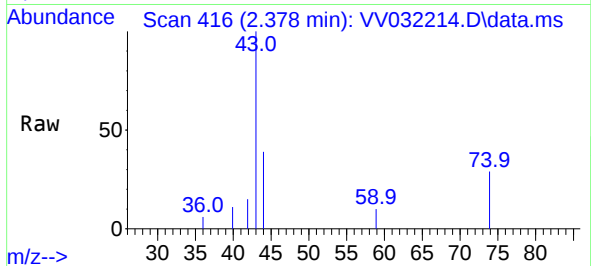




#15
Methyl Acetate
Concen: 2.052 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

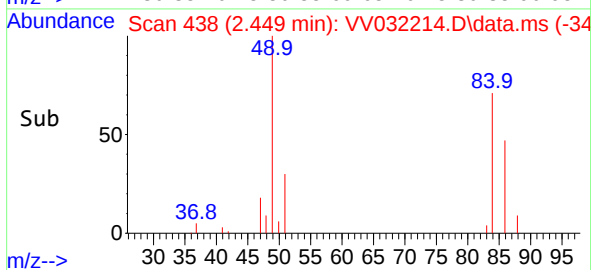
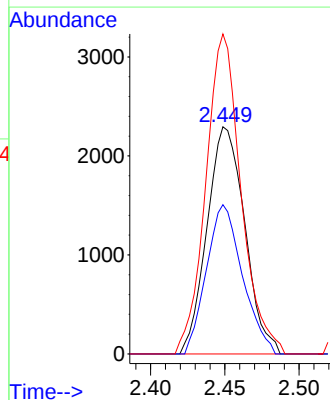
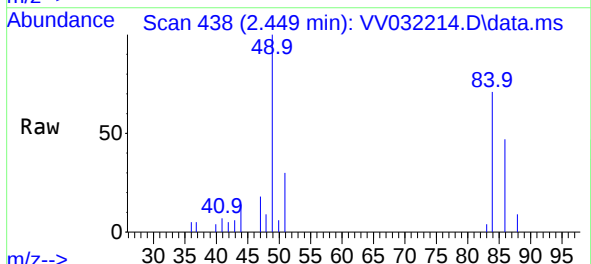
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

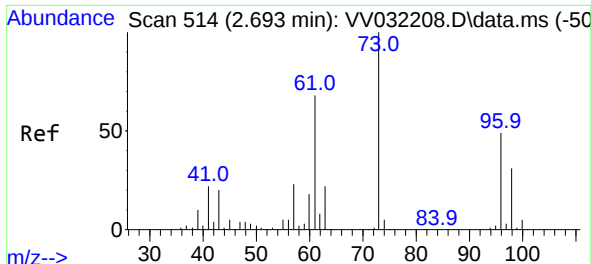
Tgt Ion: 43 Resp: 3809
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.8



#16
Methylene chloride
Concen: 2.483 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 84 Resp: 4059
Ion Ratio Lower Upper
84 100
86 65.7 45.4 84.4
49 140.9 88.5 164.4





#17

trans-1,2-Dichloroethene

Concen: 2.091 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

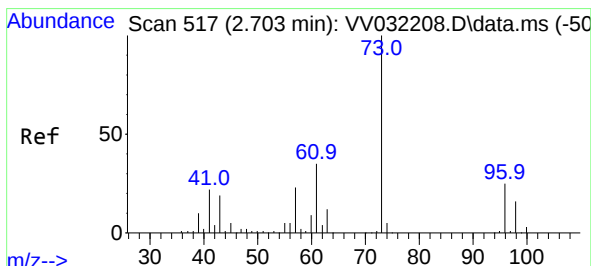
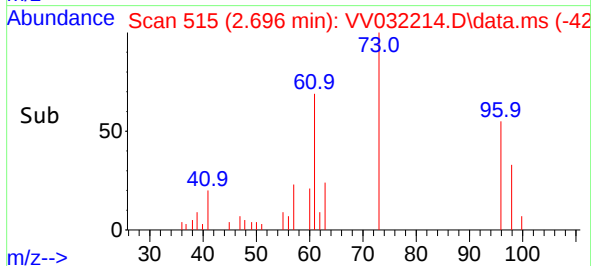
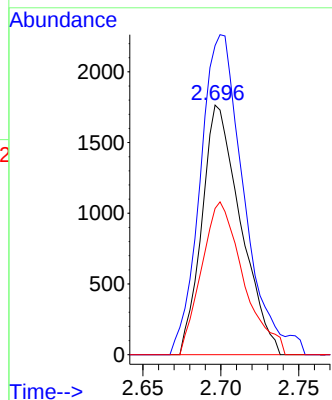
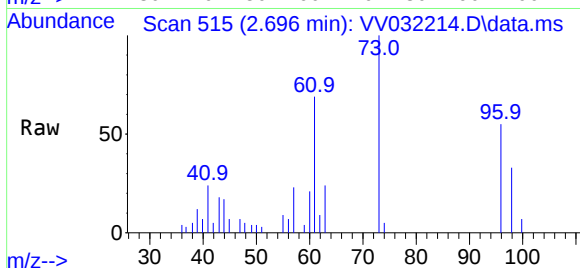
Tgt Ion: 96 Resp: 3052

Ion Ratio Lower Upper

96 100

61 123.9 97.4 180.8

98 58.6 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 1.942 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

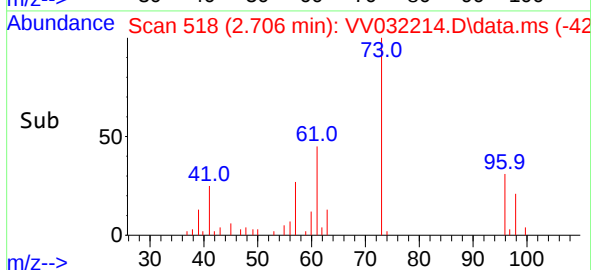
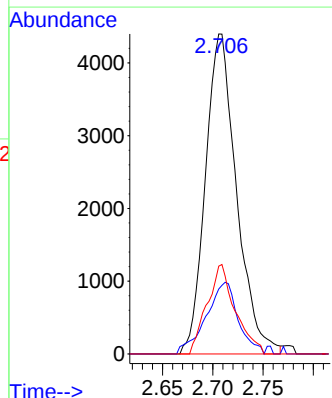
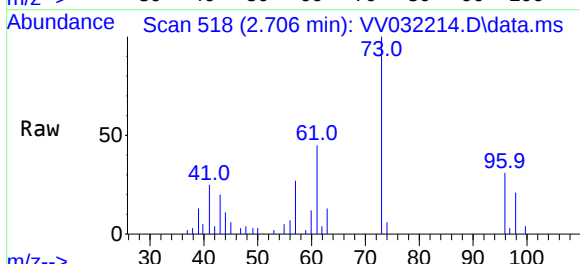
Tgt Ion: 73 Resp: 9484

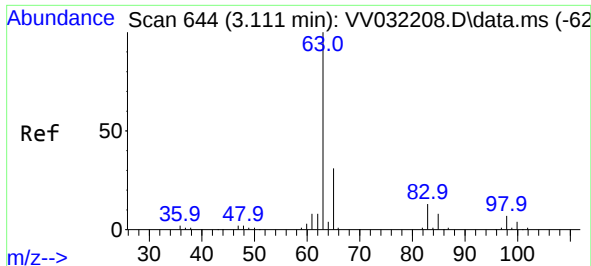
Ion Ratio Lower Upper

73 100

43 23.0 15.3 22.9#

57 25.3 18.6 28.0





#19

1,1-Dichloroethane

Concen: 2.200 ug/L

RT: 3.117 min Scan# 644

Delta R.T. 0.006 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

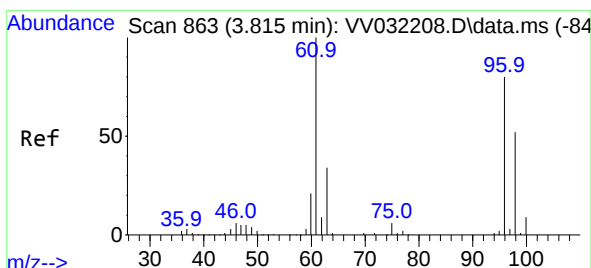
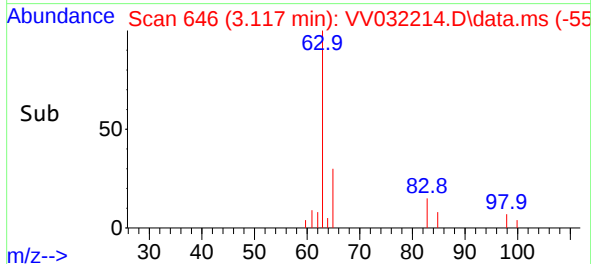
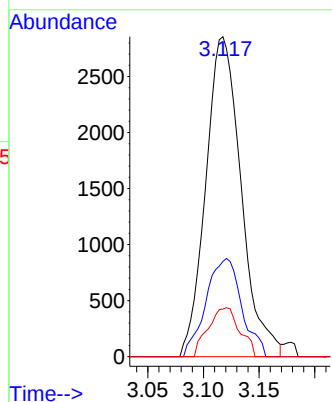
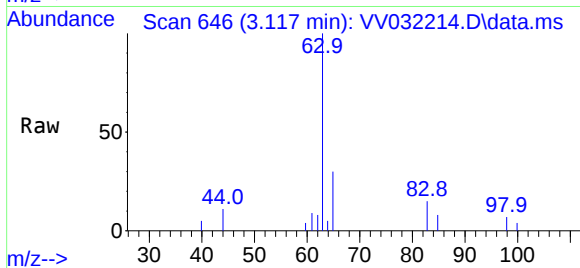
Tgt Ion: 63 Resp: 6297

Ion Ratio Lower Upper

63 100

65 29.7 22.7 42.3

83 14.9 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 1.993 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.010 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

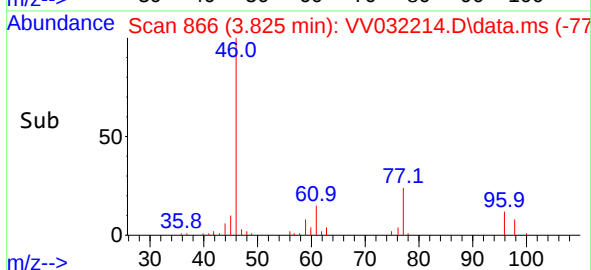
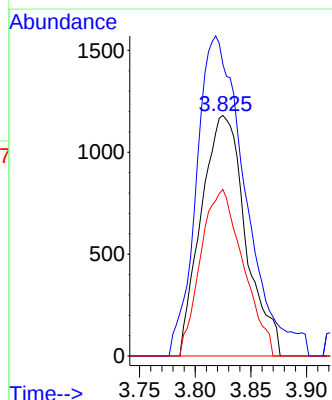
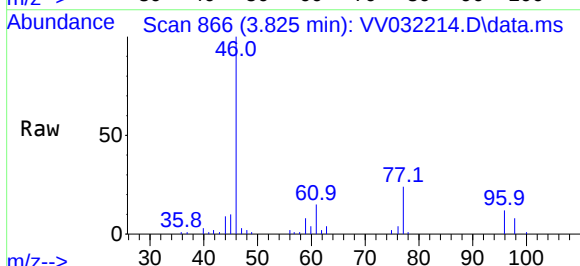
Tgt Ion: 96 Resp: 3275

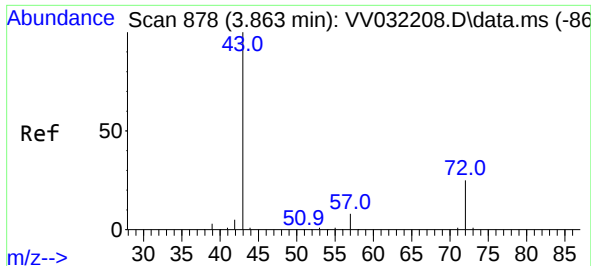
Ion Ratio Lower Upper

96 100

61 121.2 88.3 164.1

98 69.2 43.3 80.3

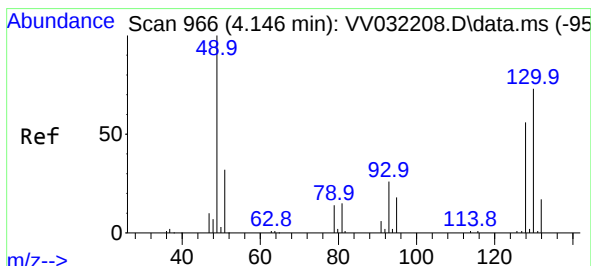
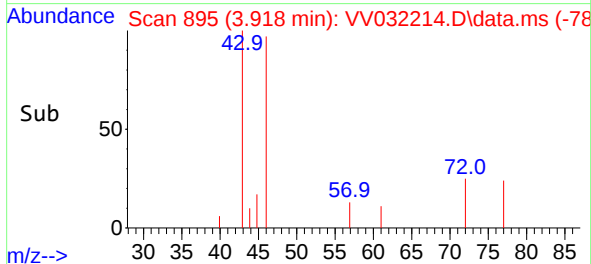
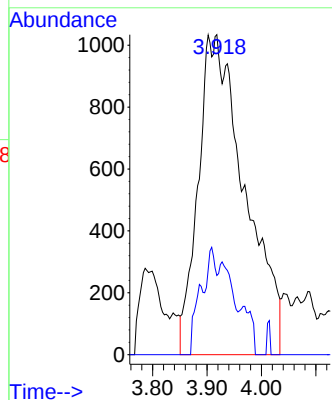
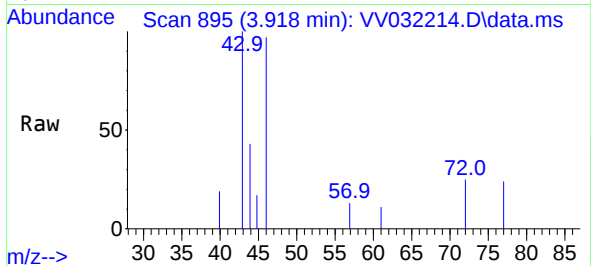




#22
2-Butanone
Concen: 4.406 ug/L m
RT: 3.918 min Scan# 895
Delta R.T. 0.055 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

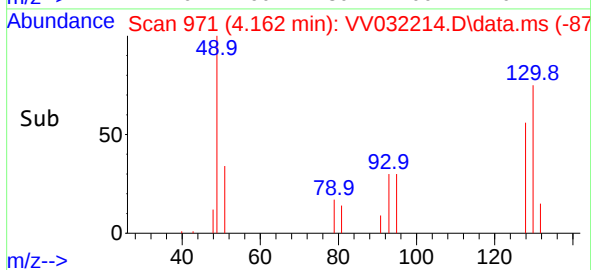
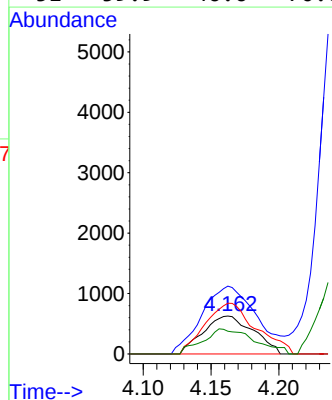
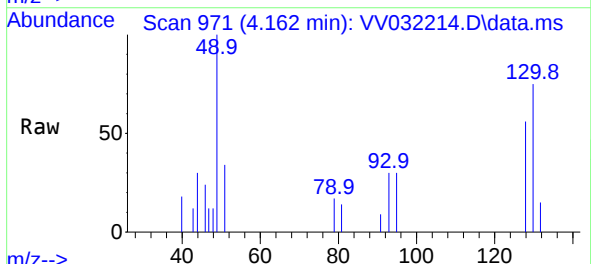
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

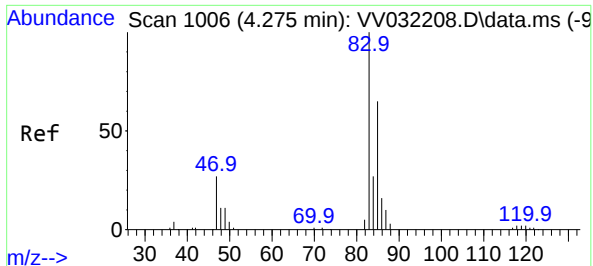
Tgt Ion: 43 Resp: 6155
Ion Ratio Lower Upper
43 100
72 4.6 12.0 36.0#



#23
Bromochloromethane
Concen: 1.966 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.016 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:128 Resp: 1618
Ion Ratio Lower Upper
128 100
49 178.7 125.0 232.2
130 133.8 92.3 171.5
51 59.9 46.6 70.0





#25

Chloroform

Concen: 2.632 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

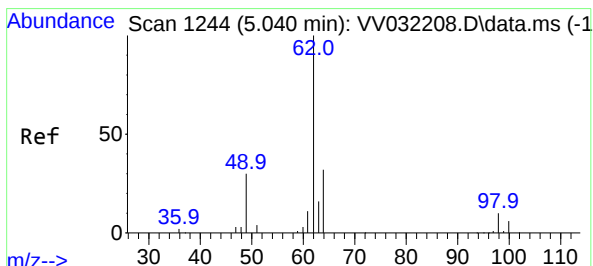
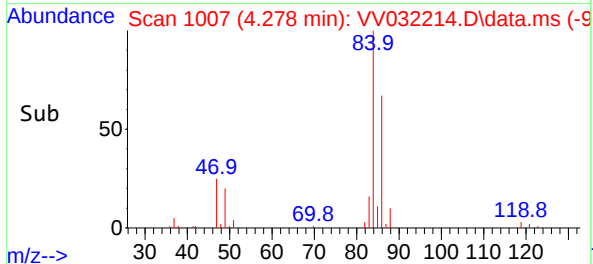
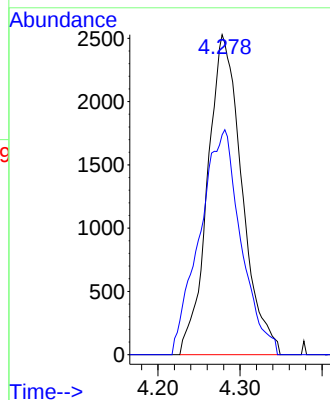
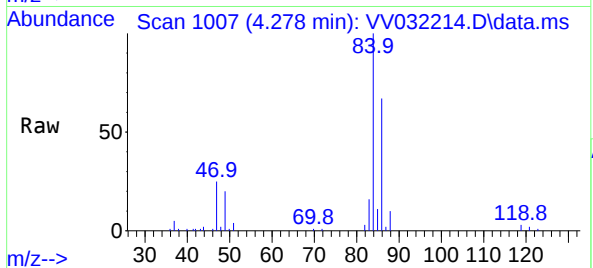
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 83 Resp: 7353

Ion Ratio Lower Upper

83 100

85 68.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 2.261 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.019 min

Lab File: VV032214.D

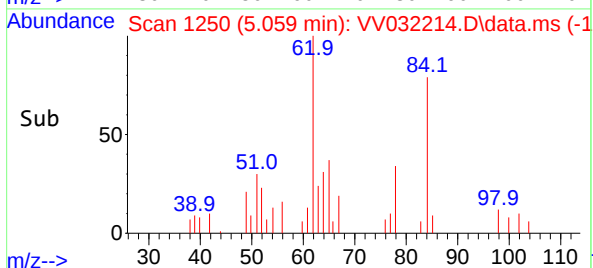
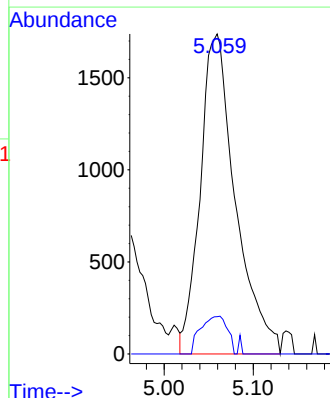
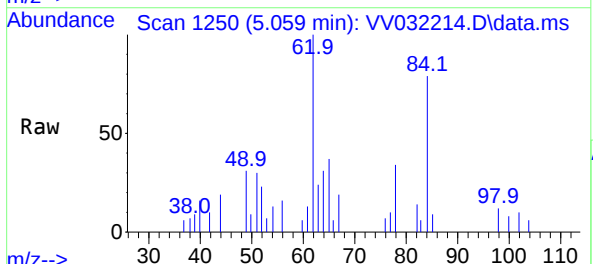
Acq: 03 Oct 2023 13:54

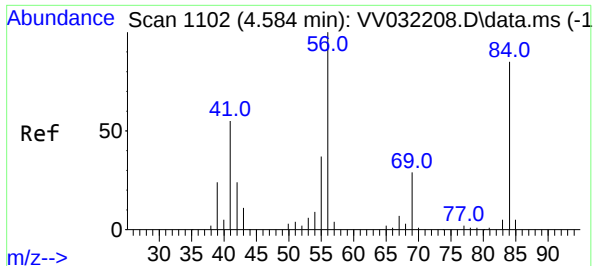
Tgt Ion: 62 Resp: 4773

Ion Ratio Lower Upper

62 100

98 11.7 8.1 12.1





#29

Cyclohexane

Concen: 1.952 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

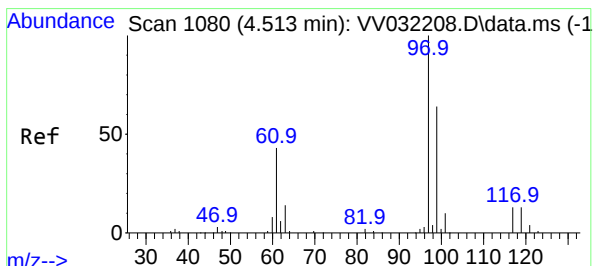
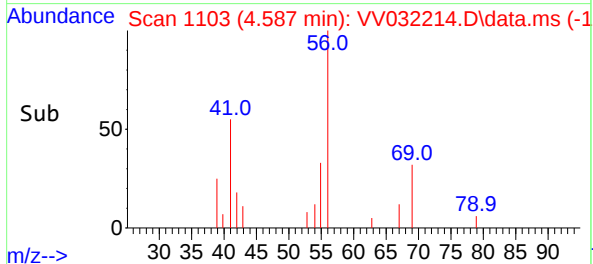
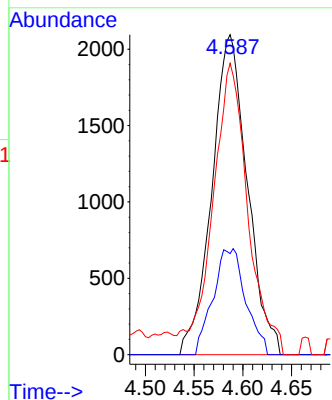
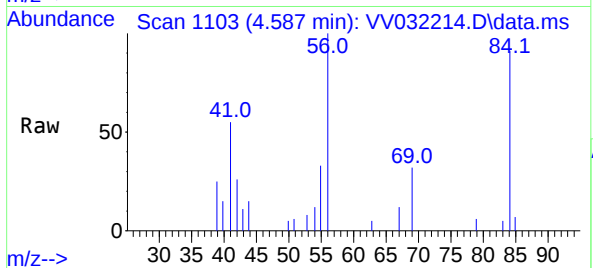
Tgt Ion: 56 Resp: 5300

Ion Ratio Lower Upper

56 100

69 16.8 23.3 34.9#

84 88.3 66.2 99.2



#30

1,1,1-Trichloroethane

Concen: 2.049 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.006 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

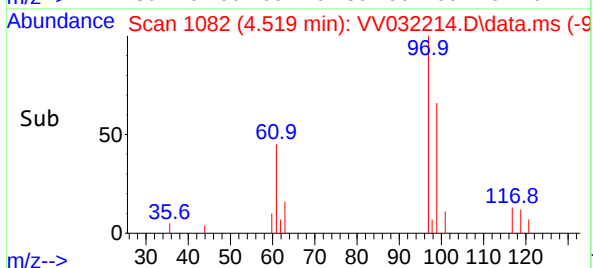
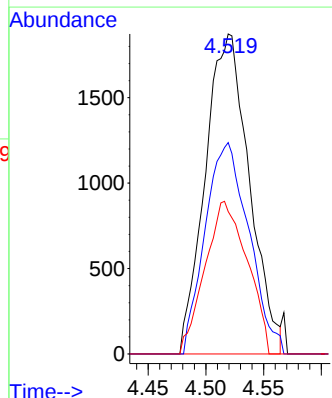
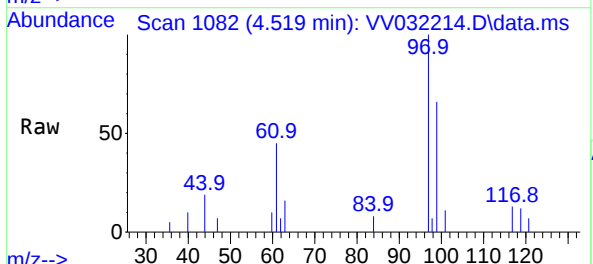
Tgt Ion: 97 Resp: 4969

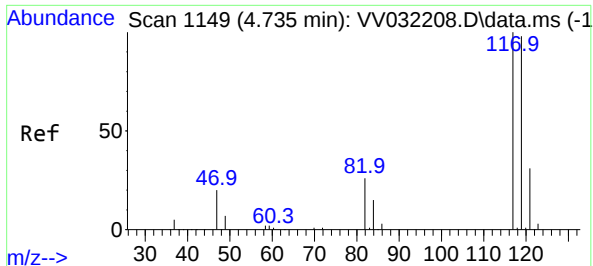
Ion Ratio Lower Upper

97 100

99 65.6 51.3 76.9

61 45.8 35.0 52.6

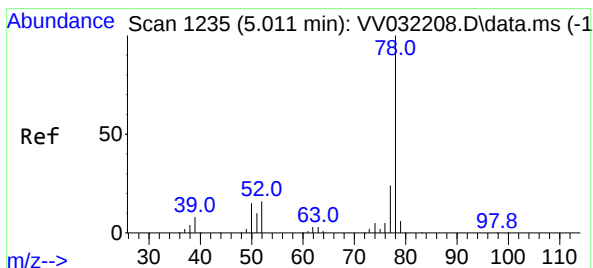
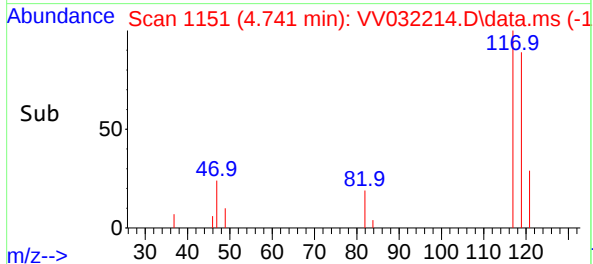
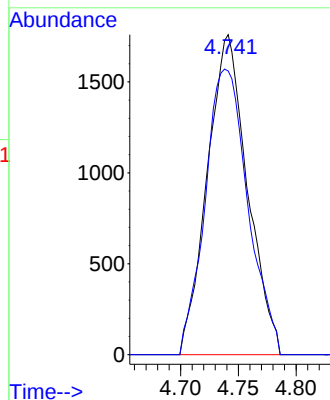
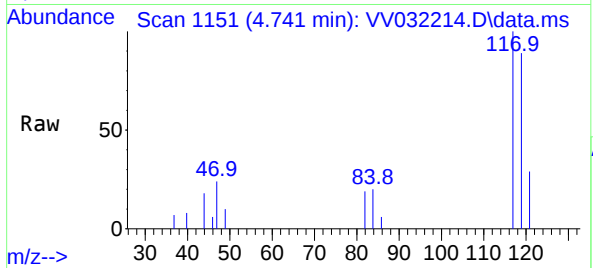




#31
Carbon tetrachloride
Concen: 2.033 ug/L
RT: 4.741 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

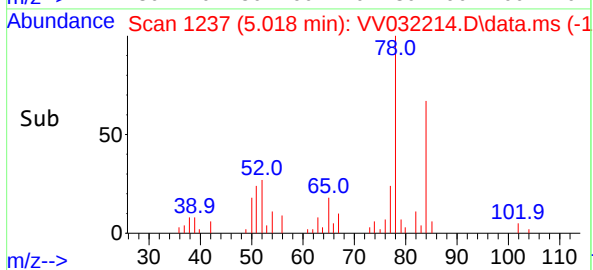
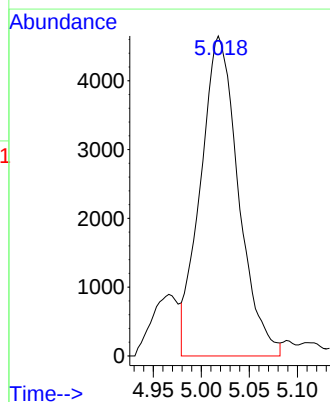
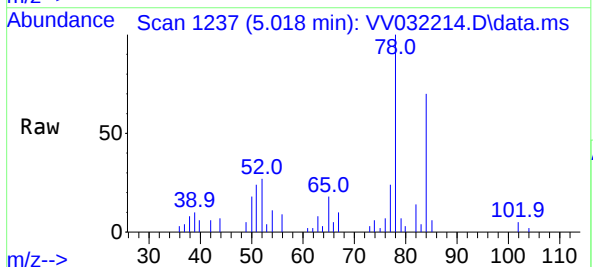
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

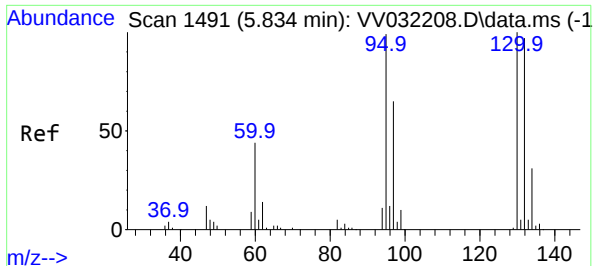
Tgt Ion:117 Resp: 4259
Ion Ratio Lower Upper
117 100
119 94.9 76.6 115.0



#33
Benzene
Concen: 2.060 ug/L m
RT: 5.018 min Scan# 1237
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 78 Resp: 12780



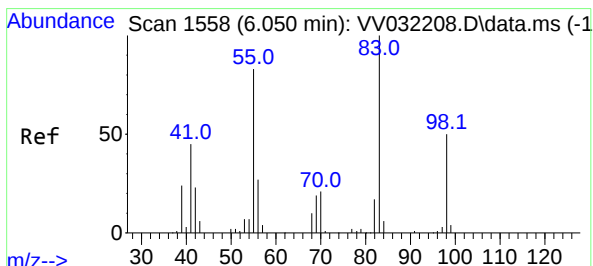
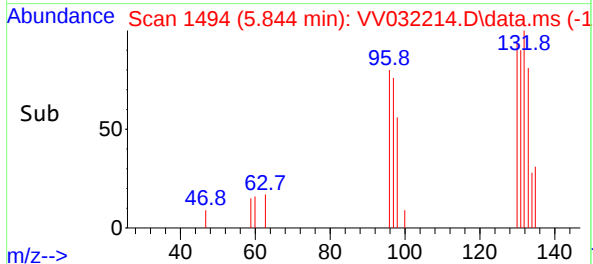
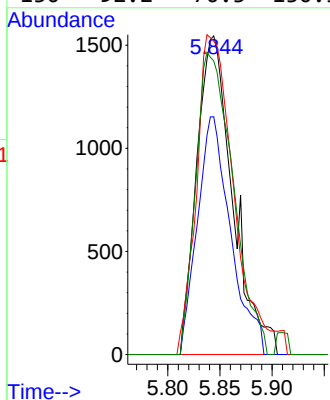
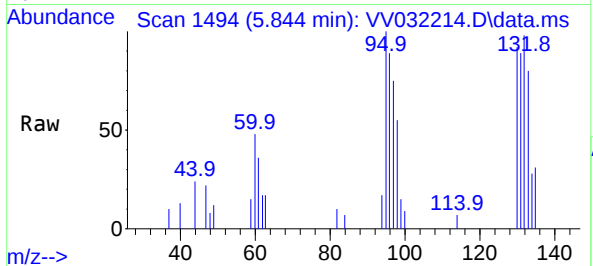


#34
Trichloroethene
Concen: 2.176 ug/L m
RT: 5.844 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 95 Resp: 3717

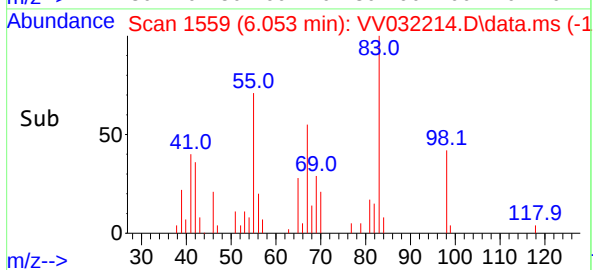
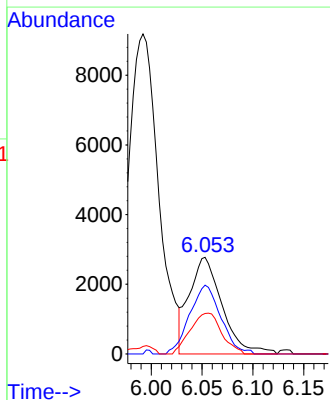
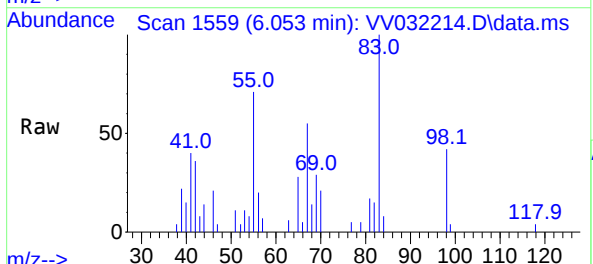
Ion	Ratio	Lower	Upper
95	100		
97	74.6	45.4	84.4
132	98.4	66.1	122.7
130	92.2	70.3	130.5

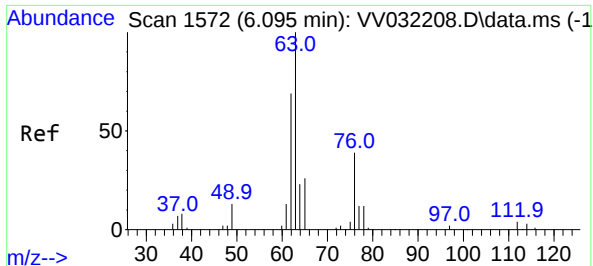


#35
Methylcyclohexane
Concen: 2.284 ug/L m
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 83 Resp: 6238

Ion	Ratio	Lower	Upper
83	100		
55	66.8	62.9	94.3
98	40.3	38.9	58.3

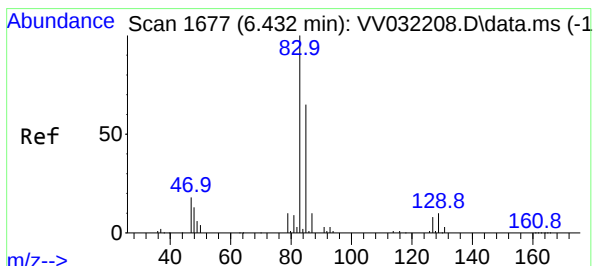
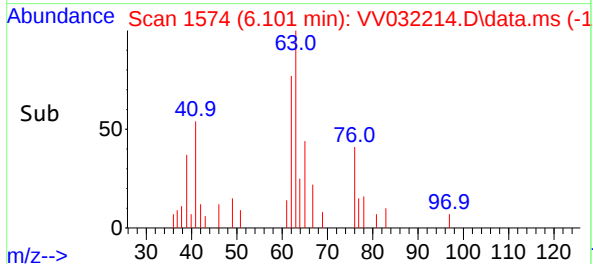
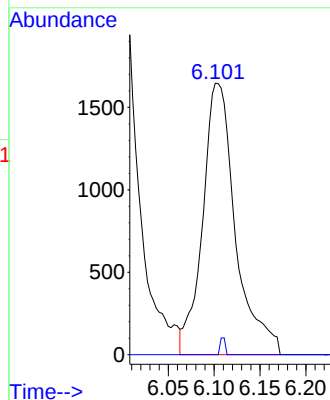
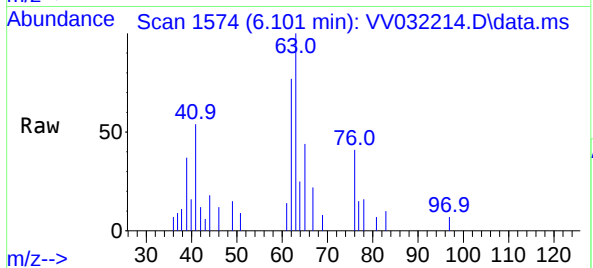




#37
1,2-Dichloropropane
Concen: 2.408 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

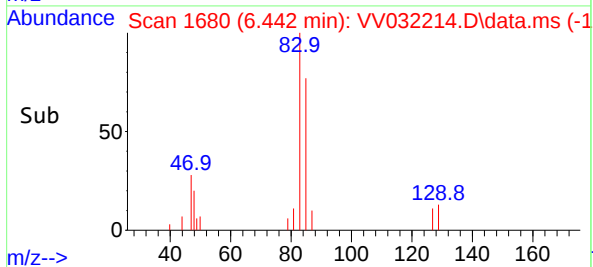
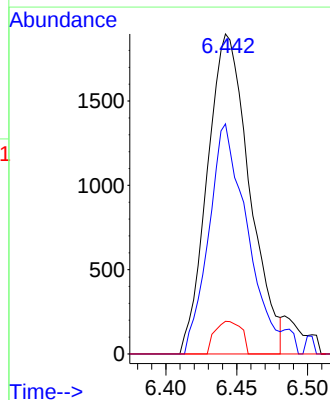
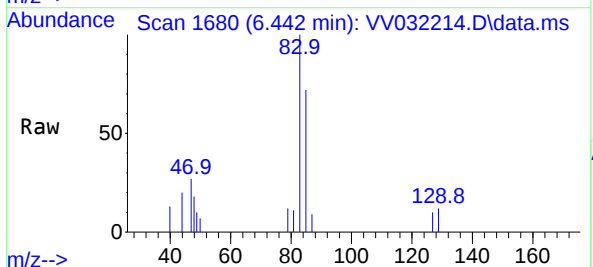
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

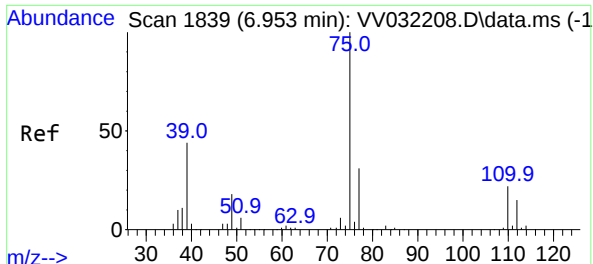
Tgt Ion: 63 Resp: 4099
Ion Ratio Lower Upper
63 100
112 1.0 3.7 5.5#



#38
Bromodichloromethane
Concen: 1.840 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.010 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 83 Resp: 3937
Ion Ratio Lower Upper
83 100
85 71.9 45.1 83.9
127 10.2 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 1.967 ug/L m

RT: 6.966 min Scan# 1839

Delta R.T. 0.013 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

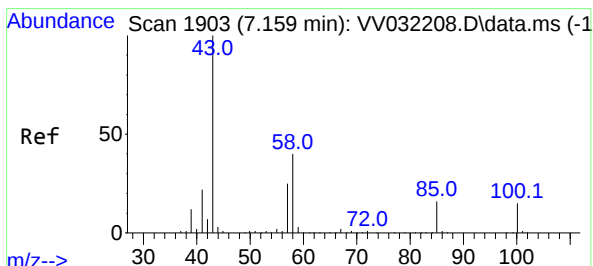
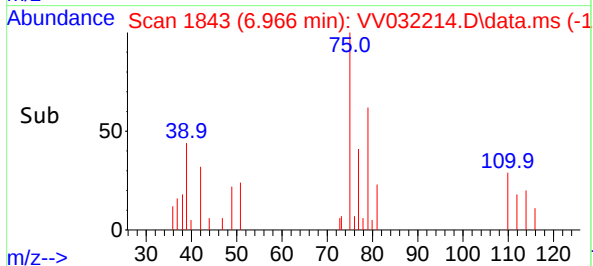
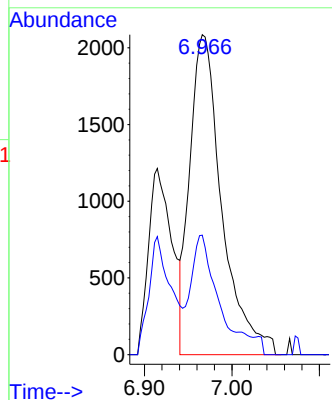
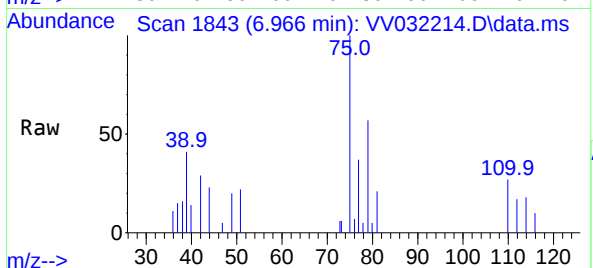
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 75 Resp: 5312

Ion Ratio Lower Upper

75 100

77 37.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 3.254 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.010 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

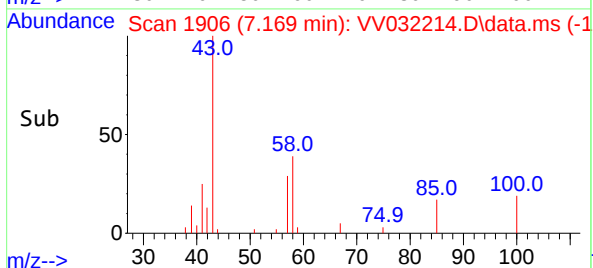
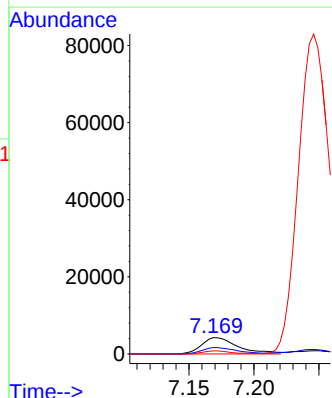
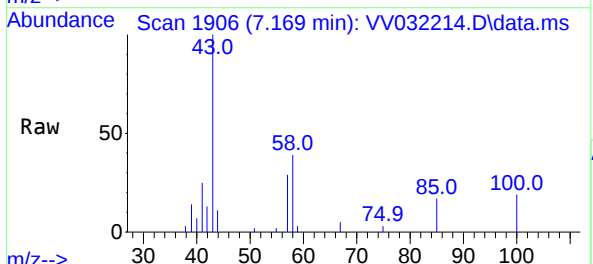
Tgt Ion: 43 Resp: 8258

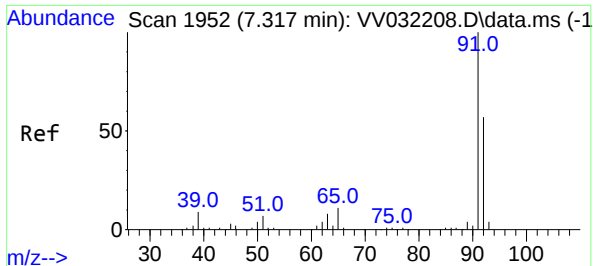
Ion Ratio Lower Upper

43 100

58 37.1 31.0 46.6

100 15.5 11.6 17.4





#42

Toluene

Concen: 2.021 ug/L

RT: 7.326 min Scan# 1952

Delta R.T. 0.010 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

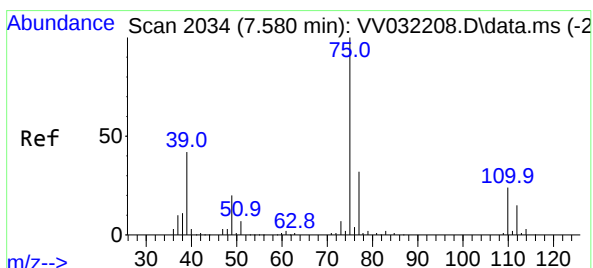
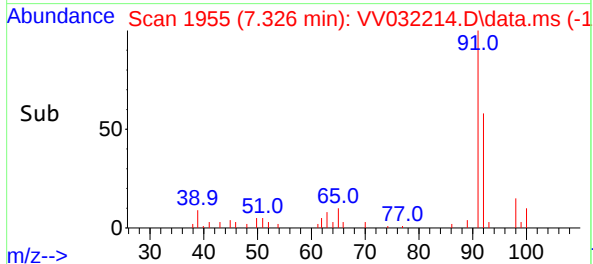
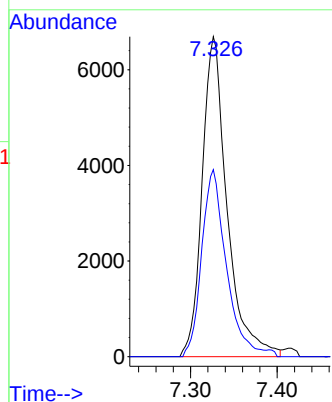
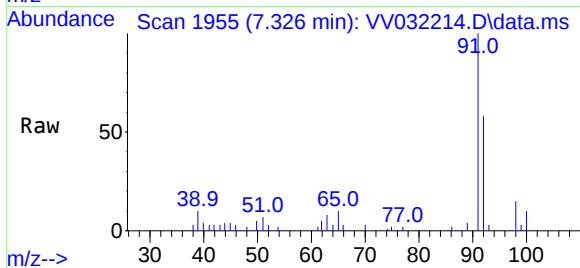
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 13388

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 2.054 ug/L m

RT: 7.593 min Scan# 2038

Delta R.T. 0.013 min

Lab File: VV032214.D

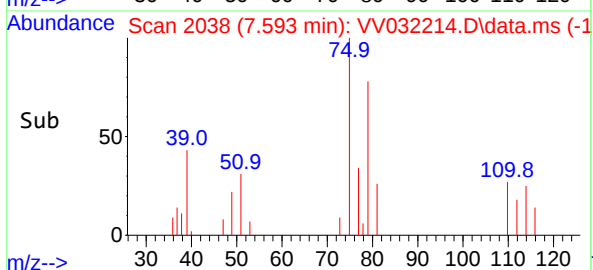
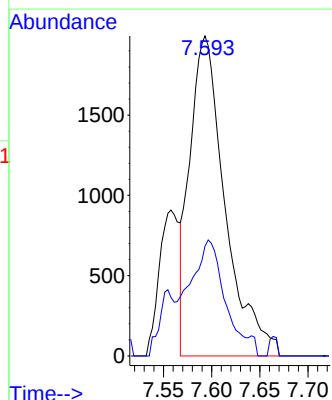
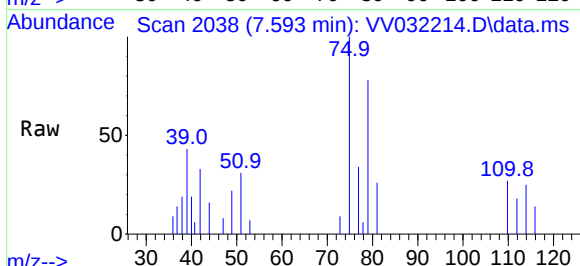
Acq: 03 Oct 2023 13:54

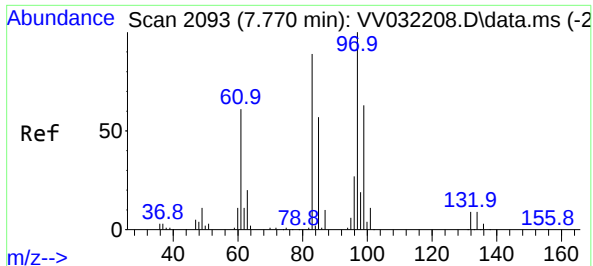
Tgt Ion: 75 Resp: 5079

Ion Ratio Lower Upper

75 100

77 34.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 2.094 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.010 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 97 Resp: 3400

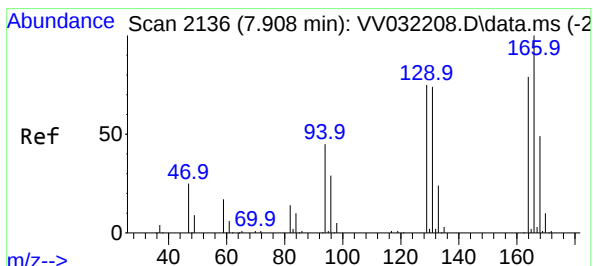
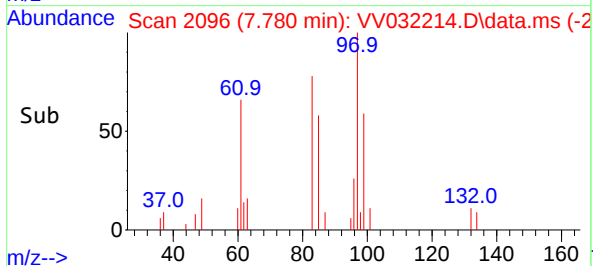
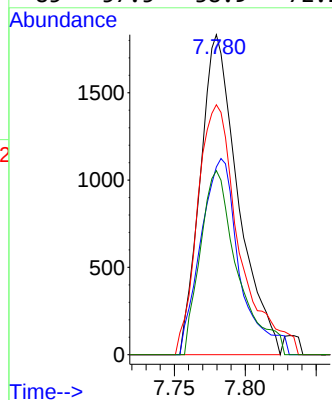
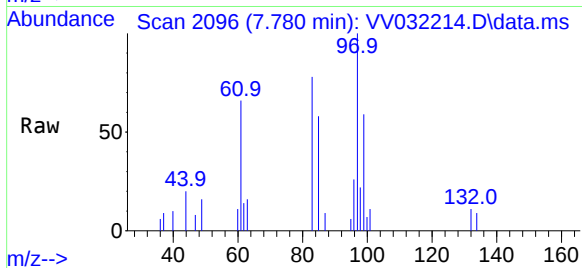
Ion Ratio Lower Upper

97 100

99 58.6 43.3 80.3

83 78.1 60.8 113.0

85 57.5 38.9 72.2



#46

Tetrachloroethene

Concen: 2.090 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Tgt Ion: 164 Resp: 2595

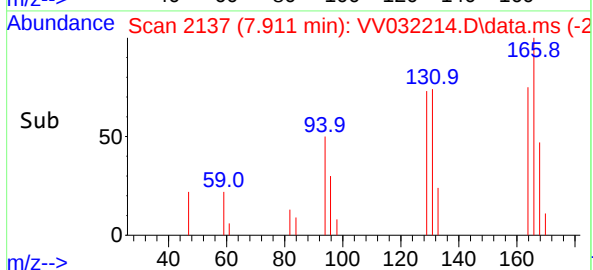
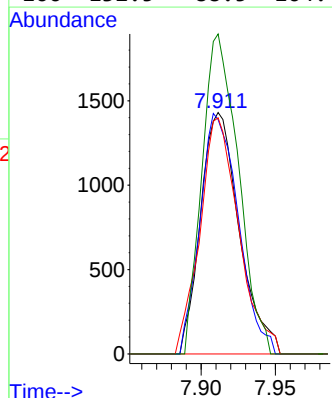
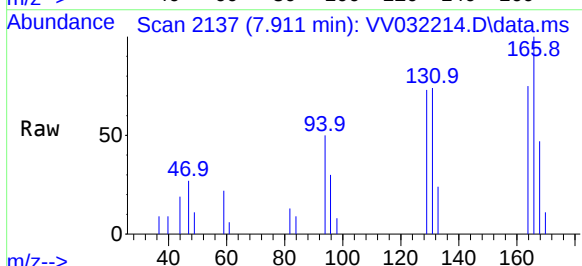
Ion Ratio Lower Upper

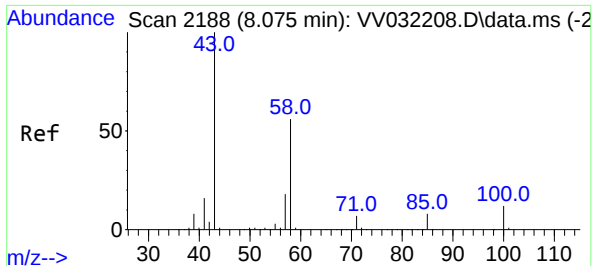
164 100

129 97.1 67.5 125.3

131 97.8 63.8 118.4

166 132.5 88.5 164.4

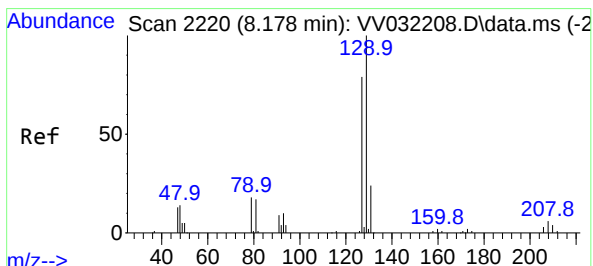
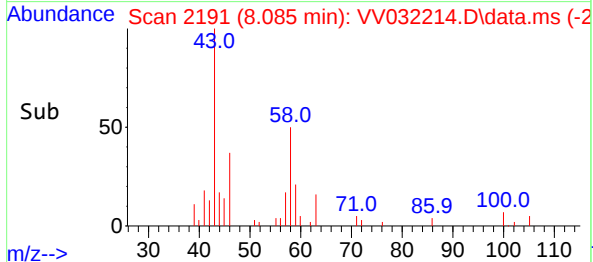
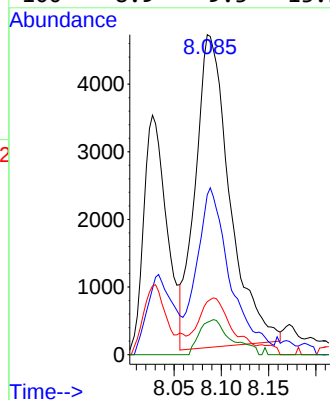
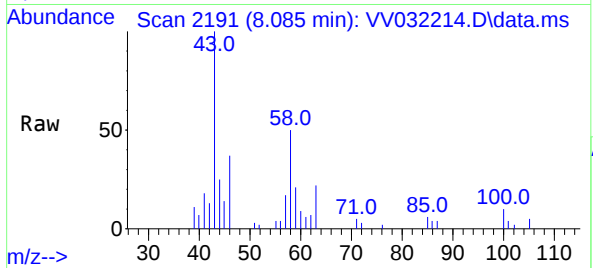




#48
2-Hexanone
Concen: 5.909 ug/L
RT: 8.085 min Scan# 2188
Delta R.T. 0.010 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

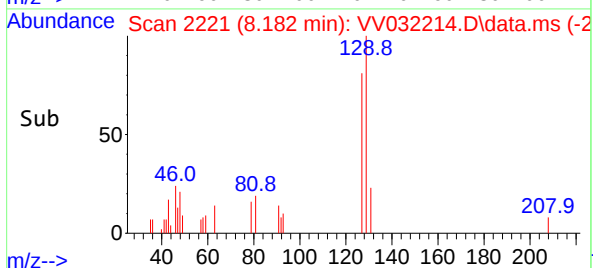
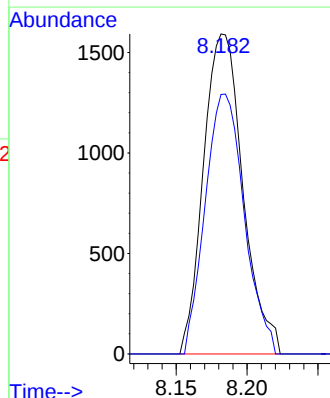
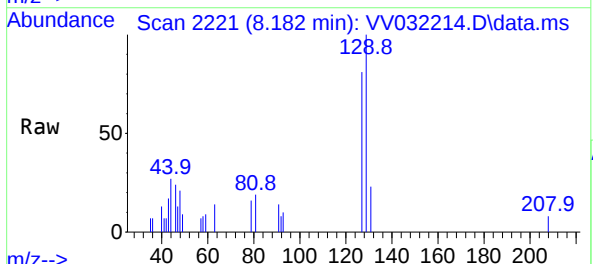
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

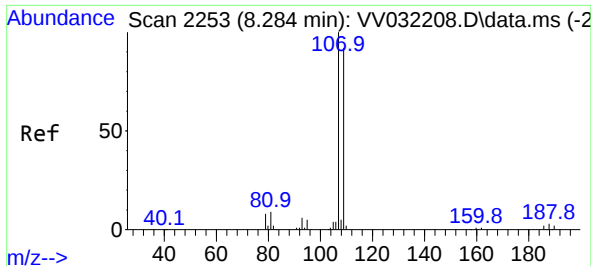
Tgt Ion: 43	Resp: 11713
Ion Ratio	Lower Upper
43 100	
58 40.6	44.5 66.7#
57 10.1	13.9 20.9#
100 8.9	9.3 13.9#



#49
Dibromochloromethane
Concen: 1.911 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:129	Resp:	3085	
Ion	Ratio	Lower	Upper
129	100		
127	81.1	54.9	101.9

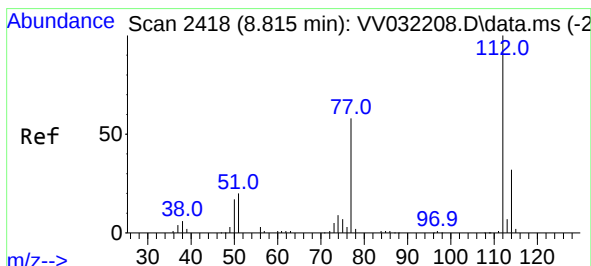
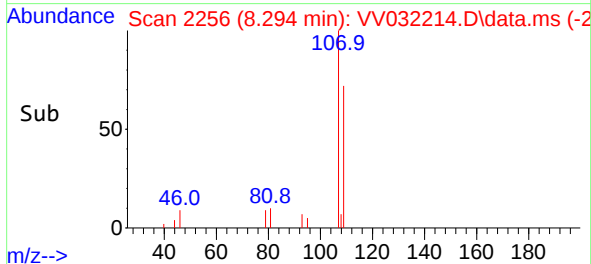
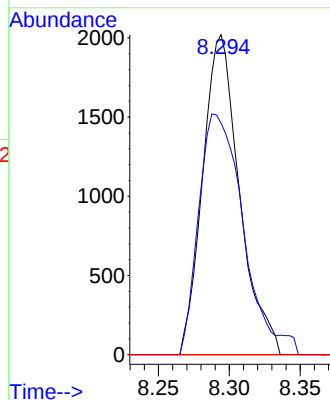
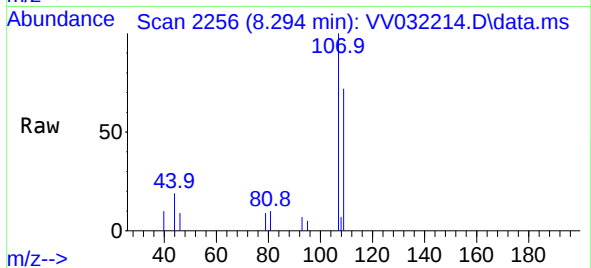




#50
1,2-Dibromoethane
Concen: 2.104 ug/L
RT: 8.294 min Scan# 2119
Delta R.T. 0.010 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

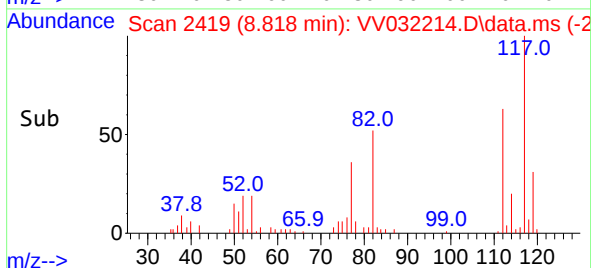
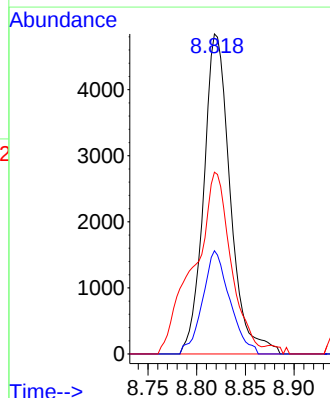
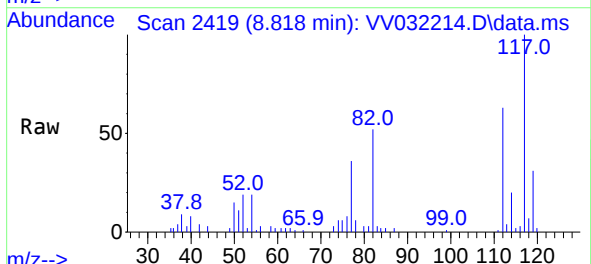
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

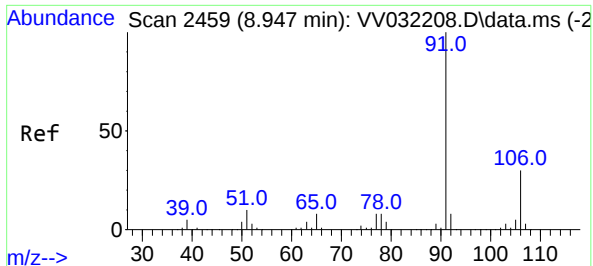
Tgt Ion:107 Resp: 3638
Ion Ratio Lower Upper
107 100
109 72.4 65.2 121.2
188 0.0 3.0 4.6#



#51
Chlorobenzene
Concen: 2.147 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:112 Resp: 9179
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 56.8 46.7 70.1

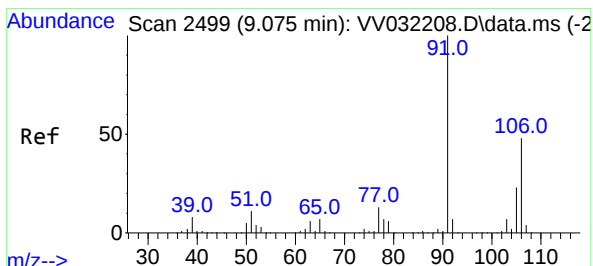
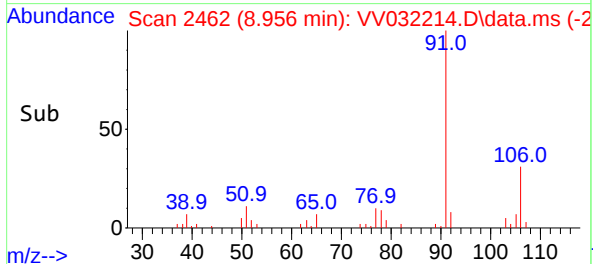
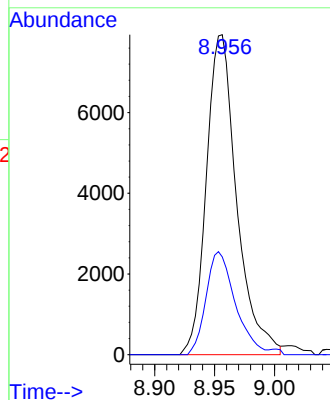
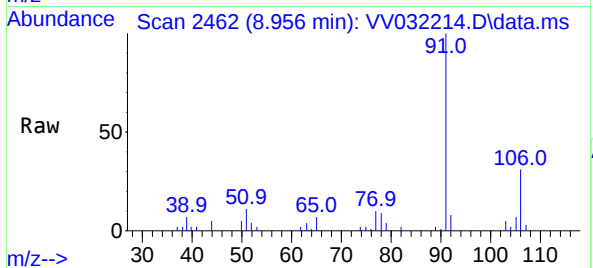




#52
Ethylbenzene
Concen: 1.883 ug/L
RT: 8.956 min Scan# 2459
Delta R.T. 0.010 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

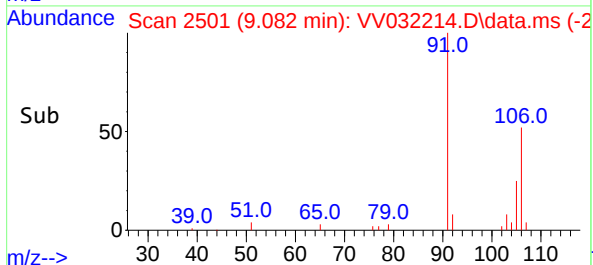
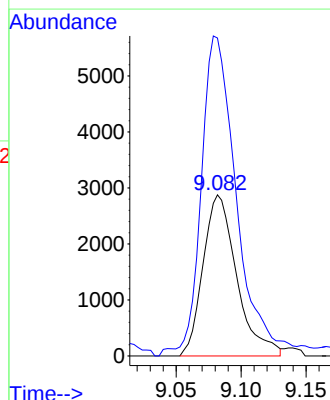
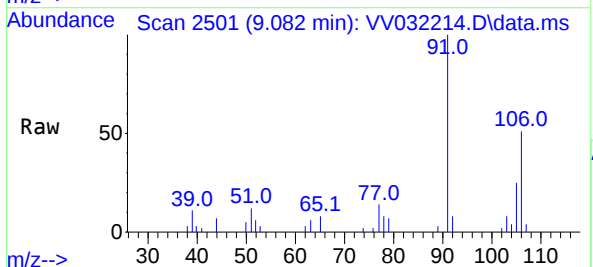
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

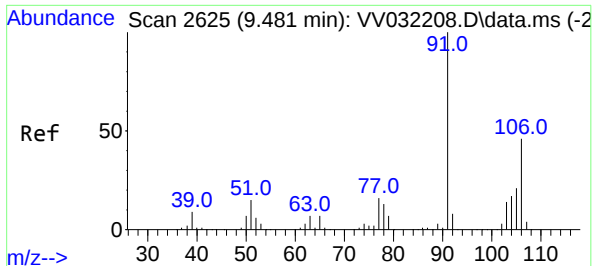
Tgt Ion: 91 Resp: 13933
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.7



#53
m,p-Xylene
Concen: 1.883 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 106 Resp: 5190
Ion Ratio Lower Upper
106 100
91 197.3 143.8 267.0

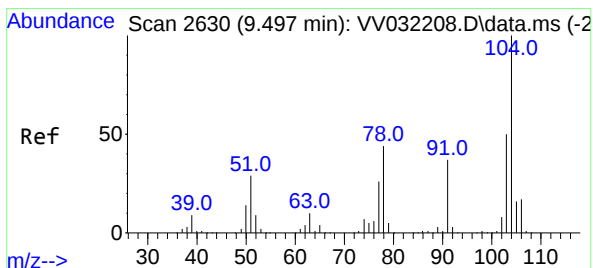
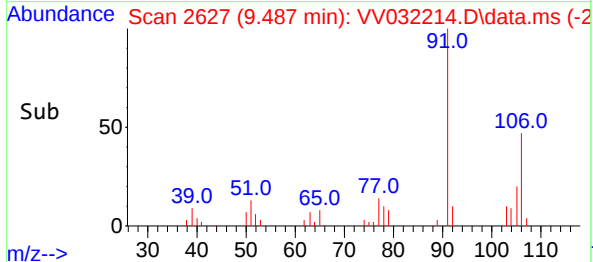
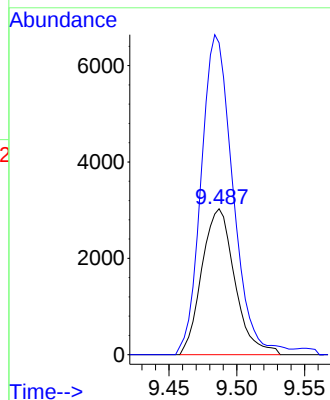
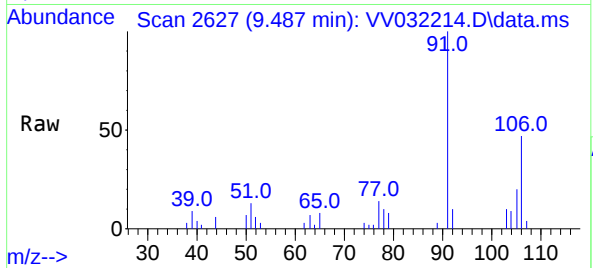




#54
o-Xylene
Concen: 1.888 ug/L
RT: 9.487 min Scan# 2625
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

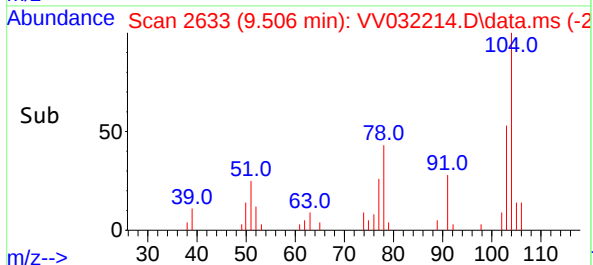
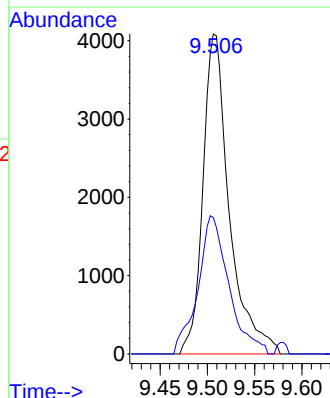
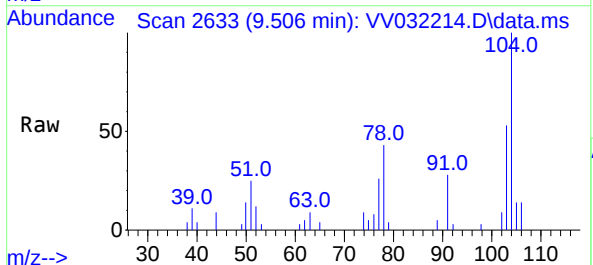
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

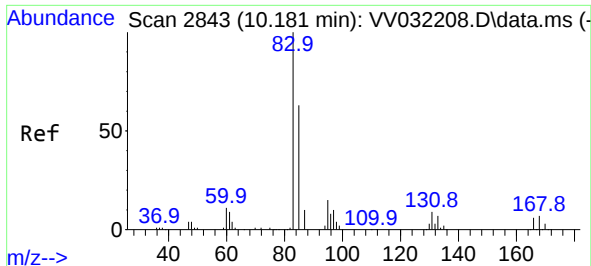
Tgt Ion:106 Resp: 5128
Ion Ratio Lower Upper
106 100
91 213.7 153.4 284.8



#55
Styrene
Concen: 1.710 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.010 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:104 Resp: 7924
Ion Ratio Lower Upper
104 100
78 42.6 30.4 56.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.169 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

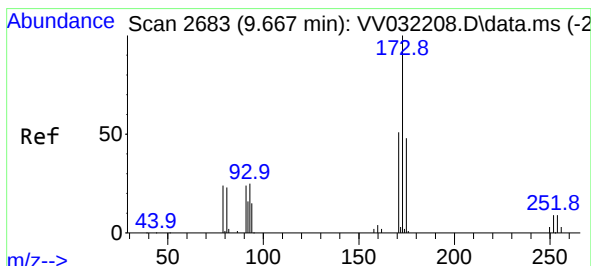
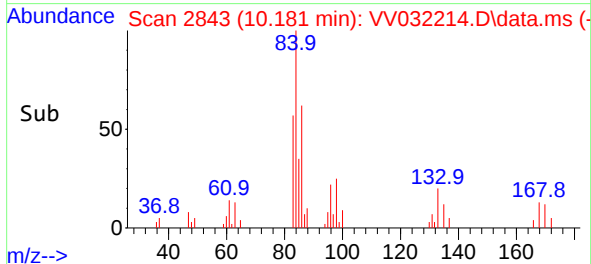
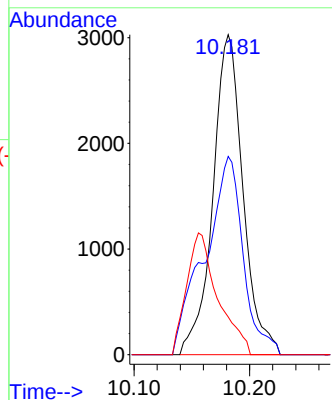
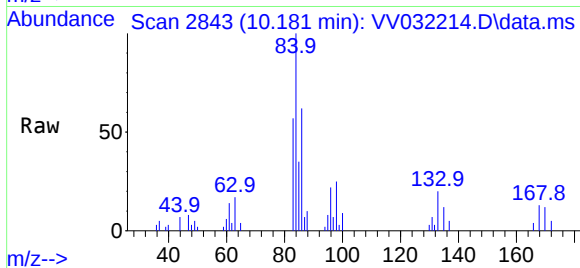
Tgt Ion: 83 Resp: 5490

Ion Ratio Lower Upper

83 100

85 62.0 44.7 82.9

131 16.8 7.4 11.0#



#59

Bromoform

Concen: 1.901 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.006 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

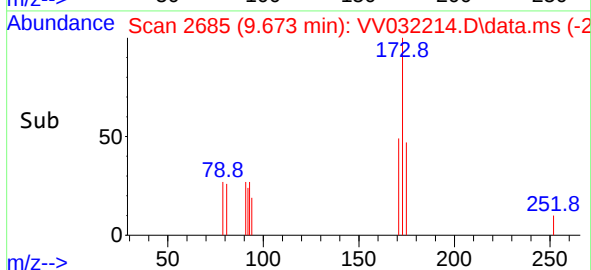
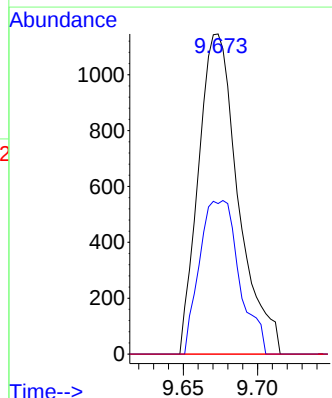
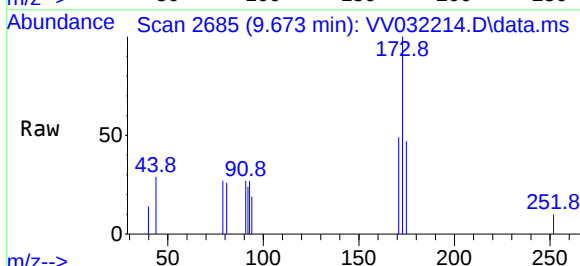
Tgt Ion: 173 Resp: 2136

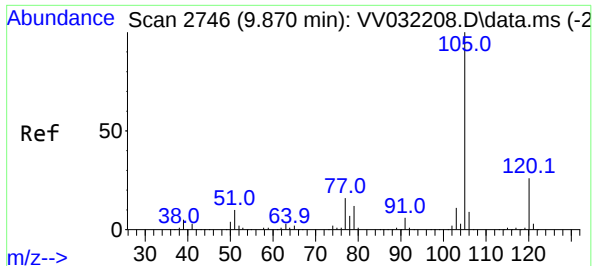
Ion Ratio Lower Upper

173 100

175 24.6 39.5 59.3#

254 0.0 7.0 10.4#

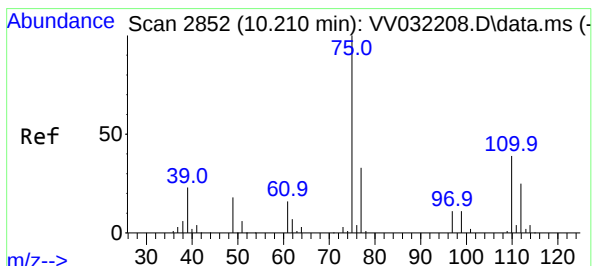
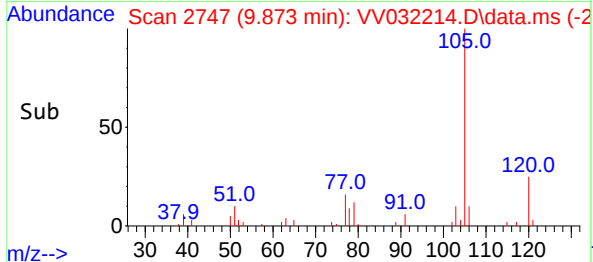
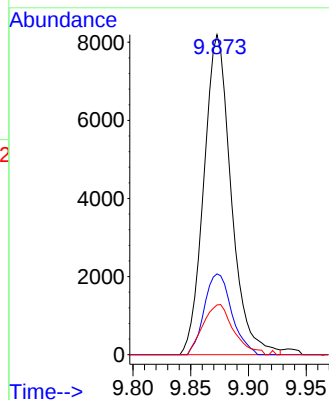
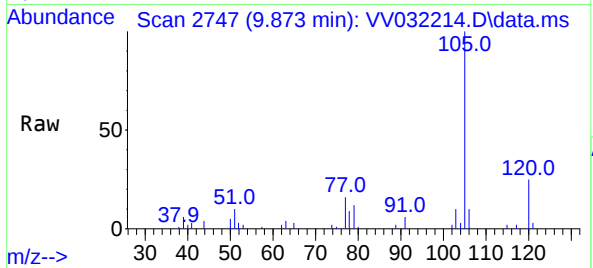




#60
Isopropylbenzene
Concen: 1.917 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

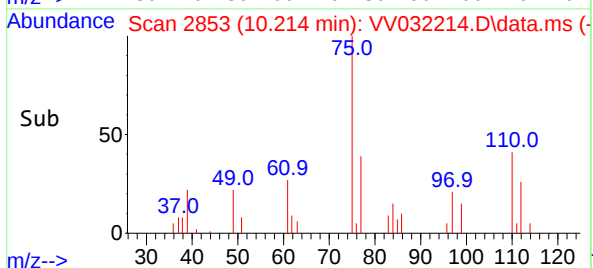
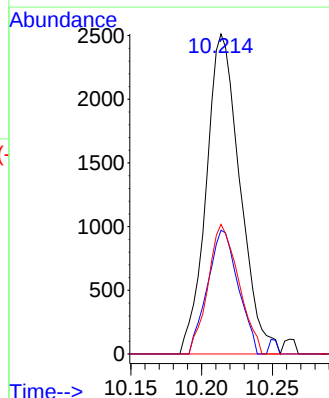
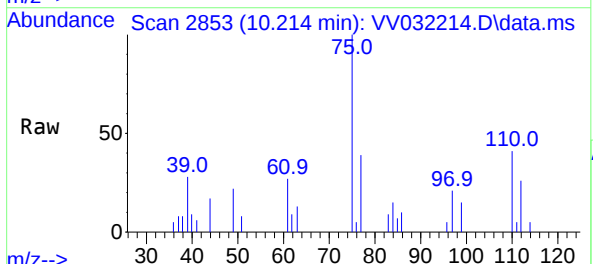
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

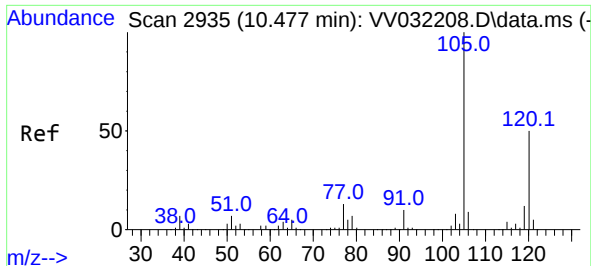
Tgt Ion:105 Resp: 13490
Ion Ratio Lower Upper
105 100
120 25.3 21.0 31.6
77 17.5 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 2.118 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion: 75 Resp: 4163
Ion Ratio Lower Upper
75 100
77 35.0 26.1 39.1
110 36.7 30.5 45.7

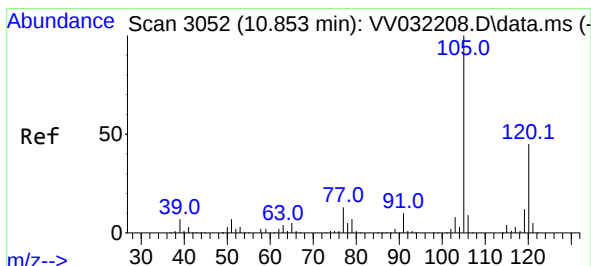
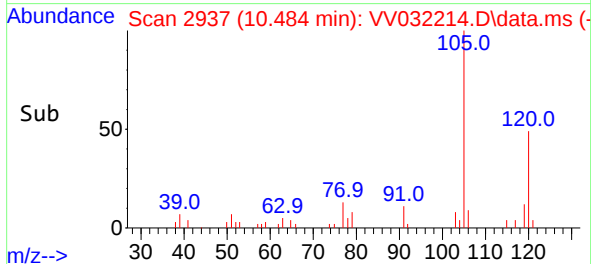
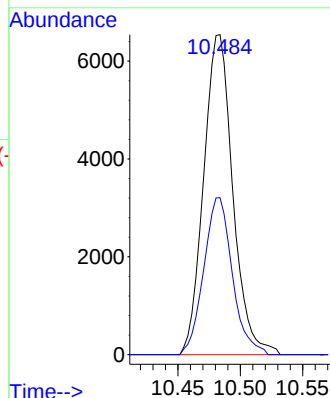
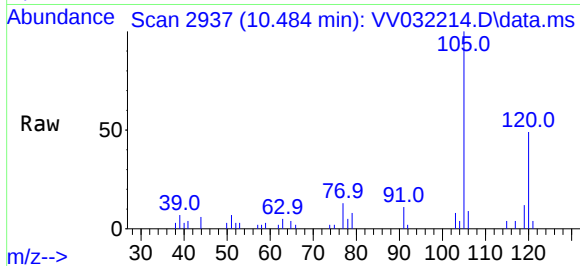




#62
1,3,5-Trimethylbenzene
Concen: 1.843 ug/L
RT: 10.484 min Scan# 2935
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

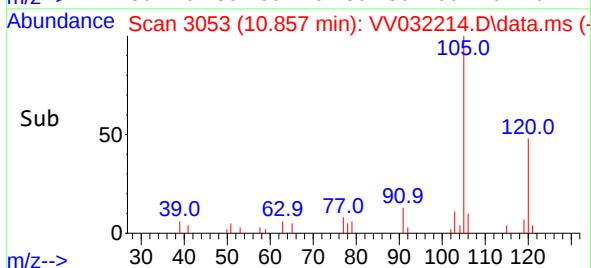
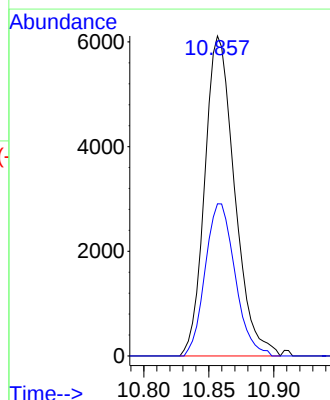
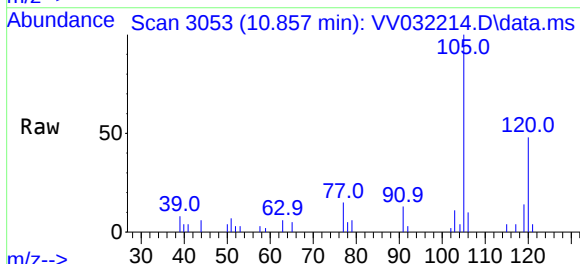
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

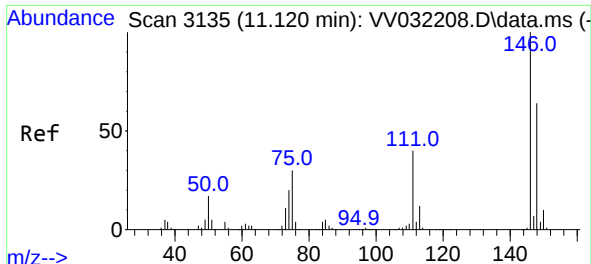
Tgt Ion:105 Resp: 10658
Ion Ratio Lower Upper
105 100
120 48.0 39.4 59.0



#63
1,2,4-Trimethylbenzene
Concen: 1.719 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:105 Resp: 9777
Ion Ratio Lower Upper
105 100
120 47.6 36.5 54.7

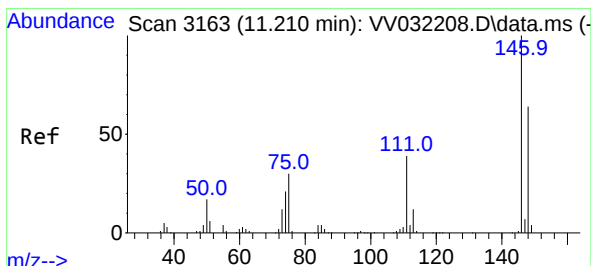
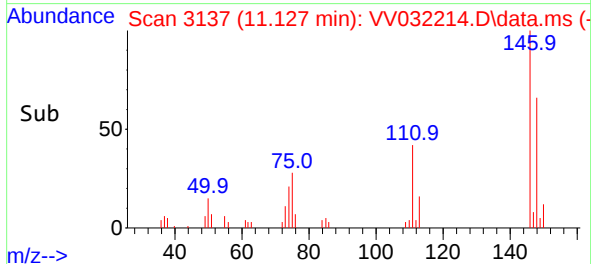
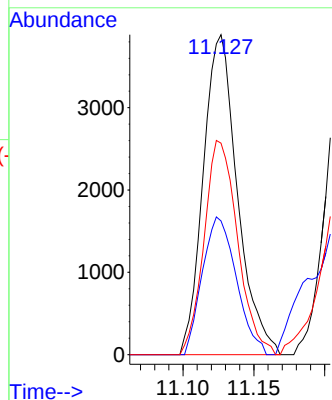
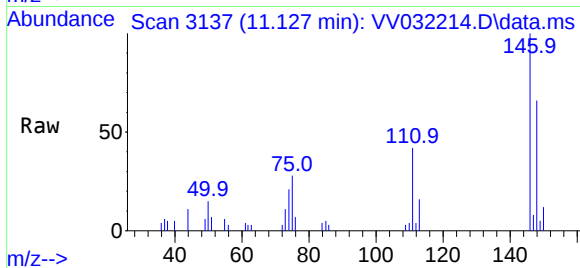




#64
1,3-Dichlorobenzene
Concen: 1.980 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

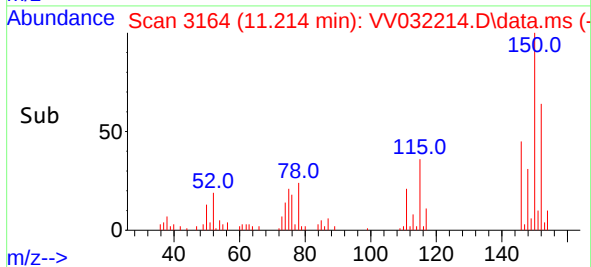
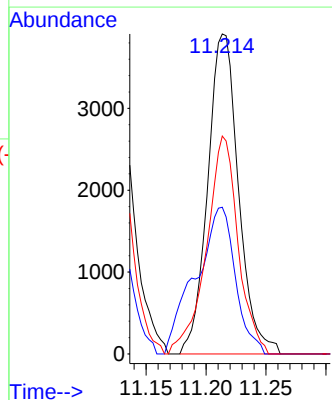
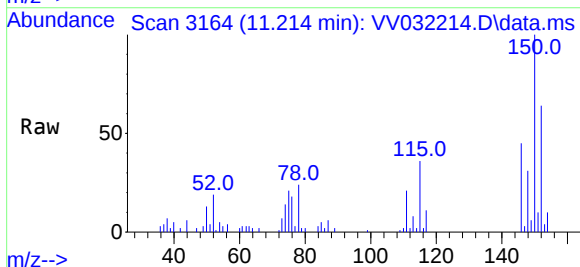
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

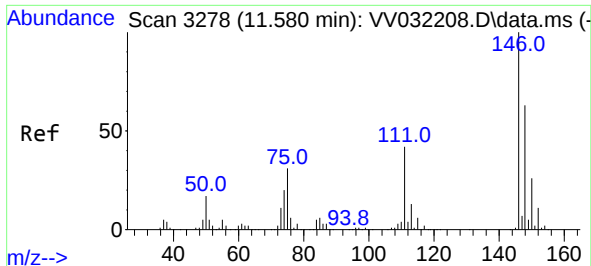
Tgt Ion:146 Resp: 6516
Ion Ratio Lower Upper
146 100
111 41.8 28.3 52.5
148 66.1 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 2.104 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:146 Resp: 6994
Ion Ratio Lower Upper
146 100
111 45.9 27.5 51.1
148 68.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 2.275 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

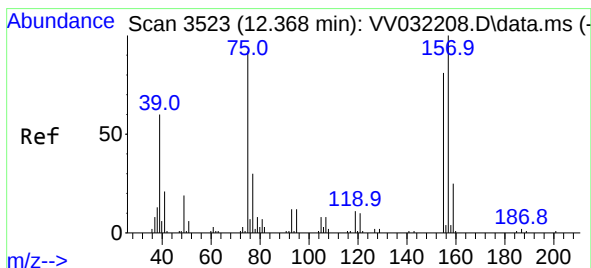
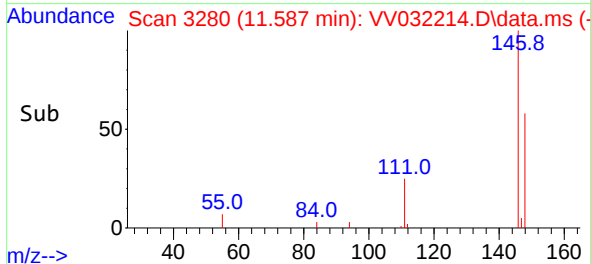
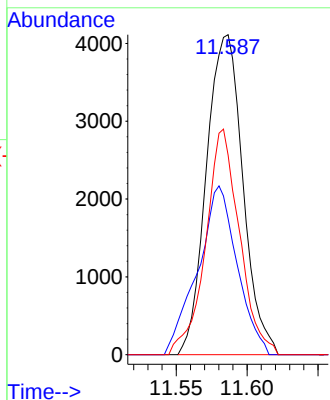
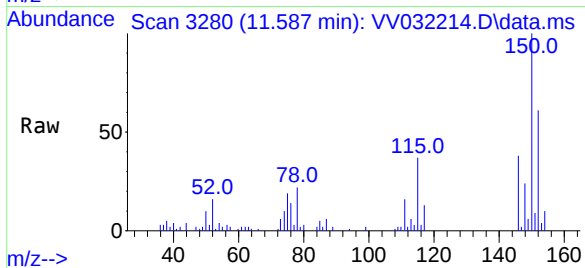
Tgt Ion:146 Resp: 7362

Ion Ratio Lower Upper

146 100

111 42.5 33.6 50.4

148 62.4 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1.745 ug/L m

RT: 12.374 min Scan# 3525

Delta R.T. 0.006 min

Lab File: VV032214.D

Acq: 03 Oct 2023 13:54

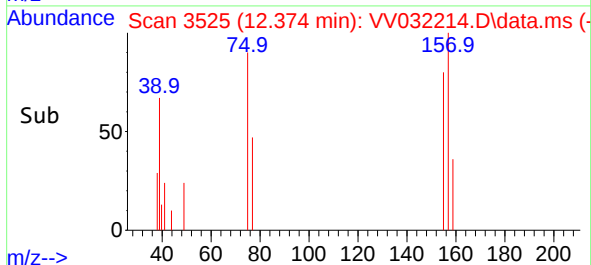
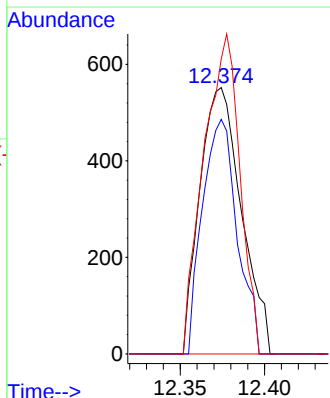
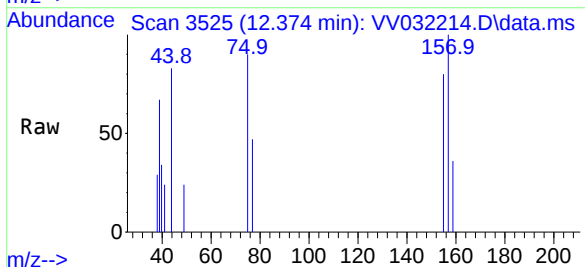
Tgt Ion: 75 Resp: 947

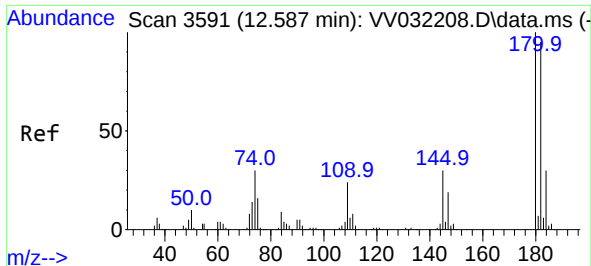
Ion Ratio Lower Upper

75 100

155 88.0 70.0 105.0

157 110.7 90.4 135.6



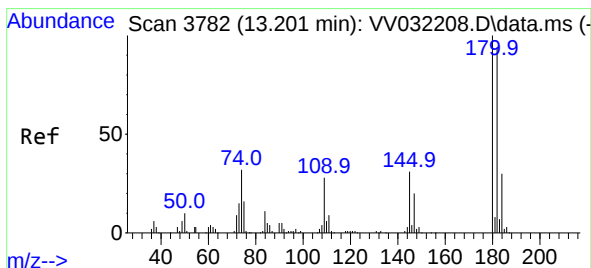
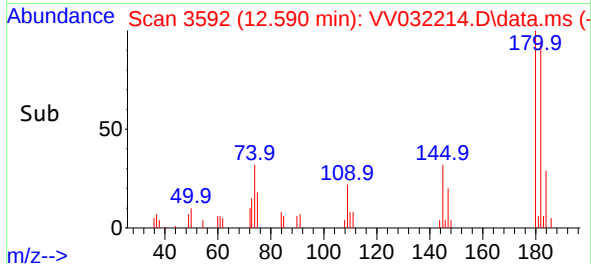
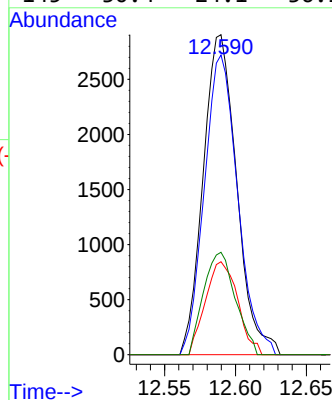
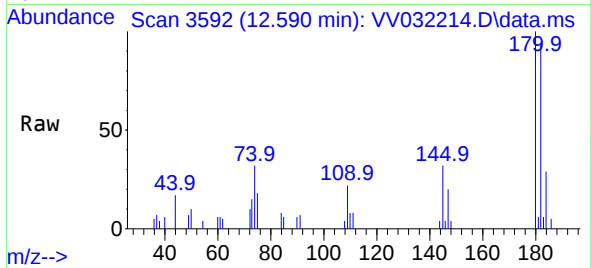


#69
1,3,5-Trichlorobenzene
Concen: 2.006 ug/L
RT: 12.590 min Scan# 3591
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

Tgt Ion:180 Resp: 4779

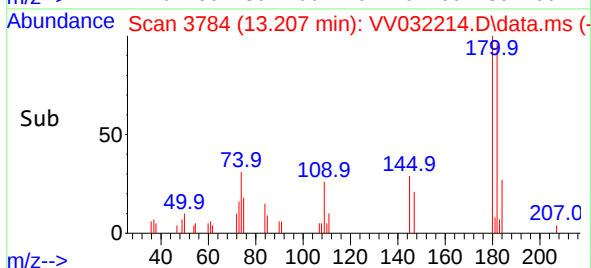
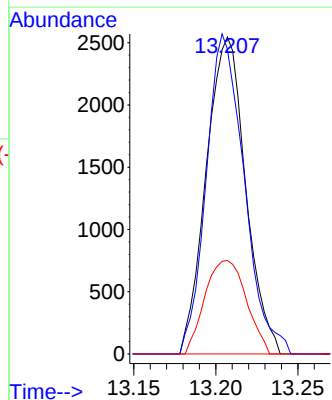
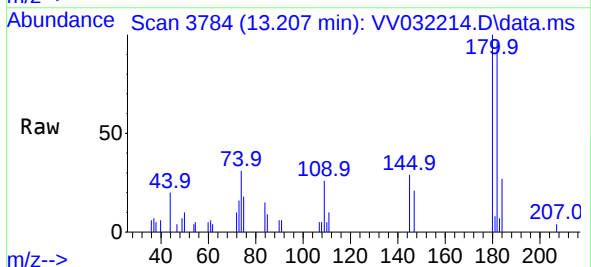
Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.6	113.4
184	28.0	23.9	35.9
145	30.4	24.1	36.1

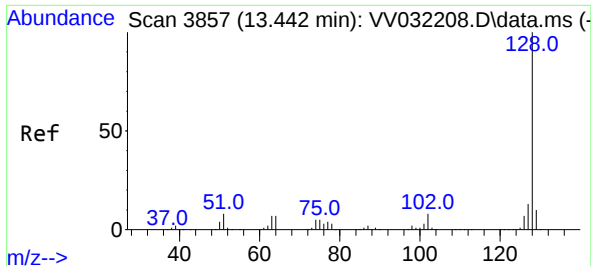


#70
1,2,4-trichlorobenzene
Concen: 1.894 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:180 Resp: 4243

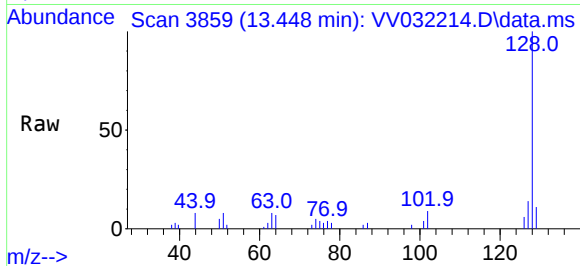
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.3	112.9
145	30.9	24.4	36.6



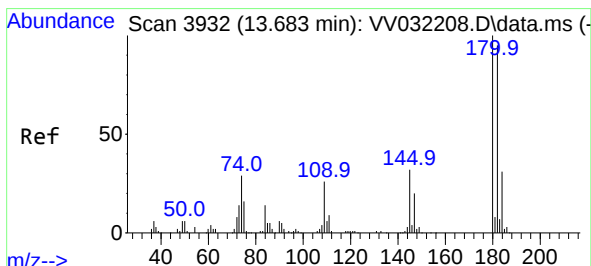
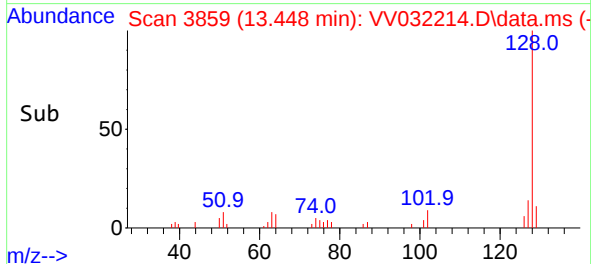
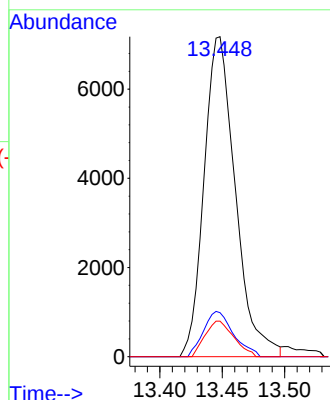


#71
Naphthalene
Concen: 1.701 ug/L
RT: 13.448 min Scan# 3857
Delta R.T. 0.006 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07



Tgt Ion:	128	Resp:	12554
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.2	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.861 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.003 min
Lab File: VV032214.D
Acq: 03 Oct 2023 13:54

Tgt Ion:	180	Resp:	4144
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.2	112.8
145	32.6	25.8	38.8

