

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101022\
 Data File : VW028494.D
 Acq On : 10 Oct 2022 11:13
 Operator : SY/MD
 Sample : N4519-05
 Misc : 5.00g/5.0ml/100ul/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

Quant Time: Oct 11 02:55:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 11 02:53:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	324548	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	291081	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	147603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	128668	51.380	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 102.760%	
7) Chloroethane-d5	1.564	69	98253	49.481	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 98.960%	
11) 1,1-Dichloroethene-d2	2.105	63	170426	39.987	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 79.980%	
21) 2-Butanone-d5	3.899	46	191004	87.129	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	= 87.130%	
24) Chloroform-d	4.342	84	239397	52.124	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 104.240%	
26) 1,2-Dichloroethane-d4	5.027	65	161311	54.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.920%	
32) Benzene-d6	5.043	84	508805	54.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.100%	
36) 1,2-Dichloropropane-d6	6.063	67	158076	51.981	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.960%	
41) Toluene-d8	7.310	98	459824	55.064	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 110.120%	
43) trans-1,3-Dichloroprop...	7.616	79	82895	53.479	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 106.960%	
47) 2-Hexanone-d5	8.085	63	159058	96.149	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 96.150%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	204124	49.051	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 98.100%	
66) 1,2-Dichlorobenzene-d4	11.615	152	168327	55.037	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 110.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	4552	1.863	ug/L	98
3) Chloromethane	1.240	50	4598	1.671	ug/L	99
5) Vinyl chloride	1.307	62	4714	1.708	ug/L #	33
6) Bromomethane	1.519	94	2787	2.214	ug/L	99
8) Chloroethane	1.497	64	30411	18.146	ug/L #	53
9) Trichlorofluoromethane	1.751	101	6022	1.765	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	4944	2.557	ug/L #	79
12) 1,1-Dichloroethene	2.114	96	4673	2.462	ug/L #	1
14) Carbon disulfide	2.291	76	12050	1.985	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	4132	1.866	ug/L	90
18) Methyl tert-butyl Ether	2.770	73	14991	1.842	ug/L	96
19) 1,1-Dichloroethane	3.188	63	7832	1.732	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	4953	1.964	ug/L	98
23) Bromochloromethane	4.252	128	2060	1.680	ug/L	93
27) 1,2-Dichloroethane	5.140	62	6662	1.969	ug/L	96
29) Cyclohexane	4.674	56	7088	1.693	ug/L	96
30) 1,1,1-Trichloroethane	4.603	97	7358	1.957	ug/L	98
31) Carbon tetrachloride	4.825	117	6414	2.038	ug/L	94
33) Benzene	5.098	78	16350	1.708	ug/L	100

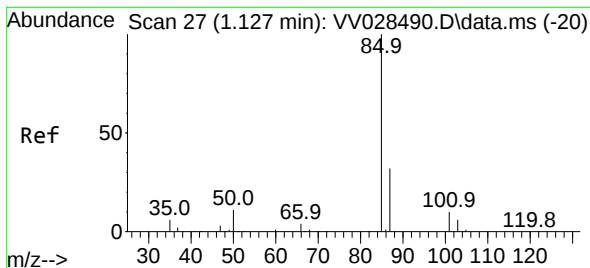
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101022\
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Quant Time: Oct 11 02:55:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 11 02:53:11 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Methylcyclohexane	6.124	83	7113	1.723	ug/L	97
37) 1,2-Dichloropropane	6.175	63	3823	1.490	ug/L #	95
38) Bromodichloromethane	6.509	83	6030	1.803	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	7070	1.732	ug/L	97
40) 4-Methyl-2-pentanone	7.233	43	13135	3.001	ug/L	97
42) Toluene	7.390	91	17784	1.802	ug/L	99
44) trans-1,3-Dichloropropene	7.657	75	6587	1.681	ug/L	88
45) 1,1,2-Trichloroethane	7.841	97	4094	1.722	ug/L #	79
46) Tetrachloroethene	7.972	164	3120	1.828	ug/L	96
49) Dibromochloromethane	8.246	129	4482	1.754	ug/L	98
50) 1,2-Dibromoethane	8.355	107	4604	1.870	ug/L #	94
51) Chlorobenzene	8.879	112	11886	1.920	ug/L	97
52) Ethylbenzene	9.011	91	19436	1.807	ug/L	93
53) m,p-Xylene	9.140	106	7254	1.779	ug/L	96
54) o-Xylene	9.542	106	7419	1.818	ug/L	98
55) Styrene	9.561	104	11802	1.684	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.233	83	7954	1.954	ug/L #	82
59) Bromoform	9.728	173	3108	1.700	ug/L #	91
60) Isopropylbenzene	9.927	105	19230	1.808	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	5728	1.823	ug/L	97
62) 1,3,5-Trimethylbenzene	10.532	105	16675	1.810	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	16059	1.756	ug/L	94
64) 1,3-Dichlorobenzene	11.178	146	8189	1.760	ug/L	95
65) 1,4-Dichlorobenzene	11.265	146	8663	1.866	ug/L	92
67) 1,2-Dichlorobenzene	11.635	146	8633	1.839	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.419	75	1546	1.608	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.638	180	5904	1.671	ug/L	92
70) 1,2,4-trichlorobenzene	13.255	180	4733	1.520	ug/L	97
71) Naphthalene	13.496	128	17246	1.780	ug/L	98
72) 1,2,3-Trichlorobenzene	13.734	180	5138	1.692	ug/L	97

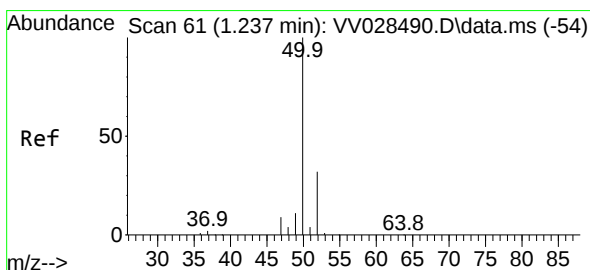
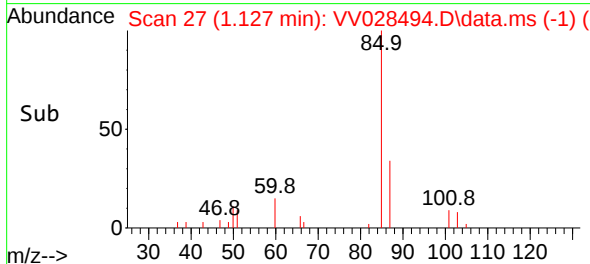
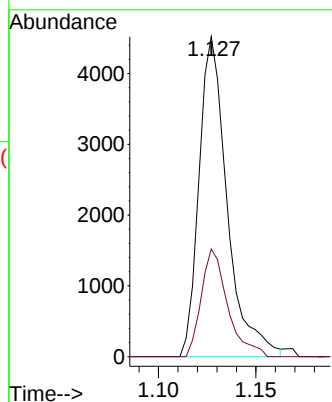
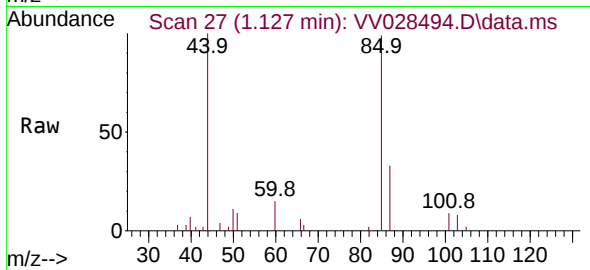
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 1.863 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028494.D
 Acq: 10 Oct 2022 11:13

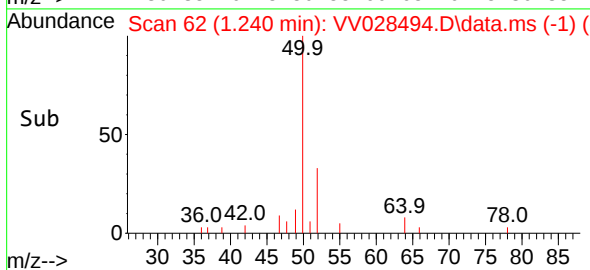
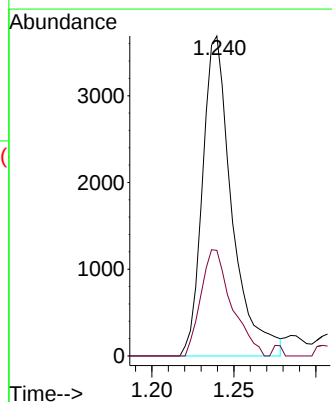
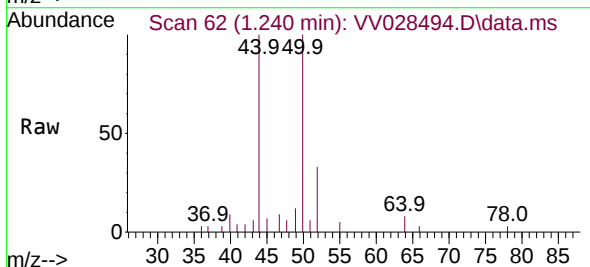
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

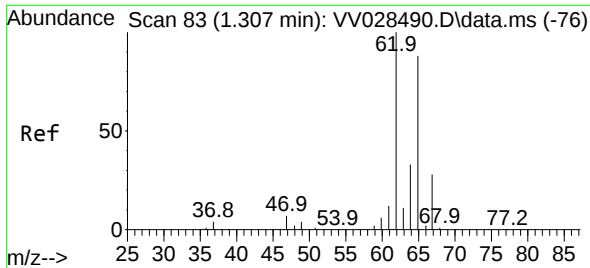
Tgt Ion: 85 Resp: 4552
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.9 38.9



#3
 Chloromethane
 Concen: 1.671 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV028494.D
 Acq: 10 Oct 2022 11:13

Tgt Ion: 50 Resp: 4598
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.7 42.3

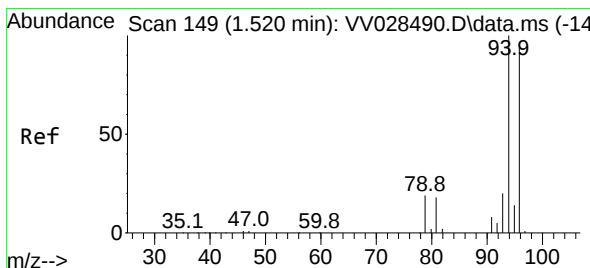
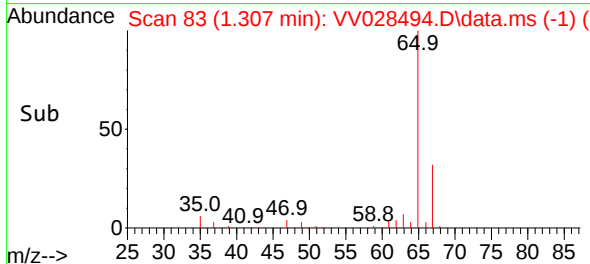
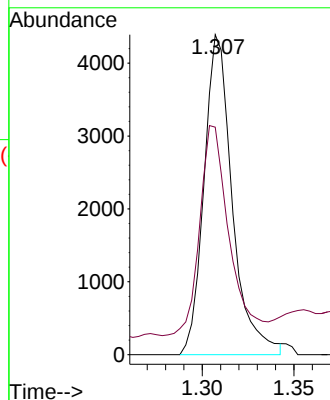
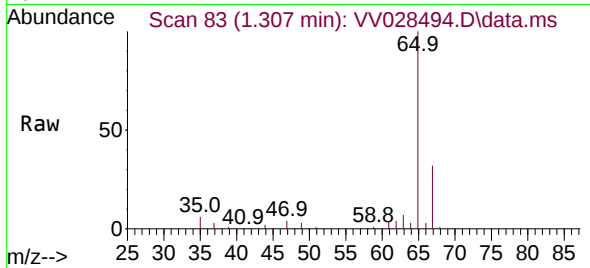




#5
 Vinyl chloride
 Concen: 1.708 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028494.D
 Acq: 10 Oct 2022 11:13

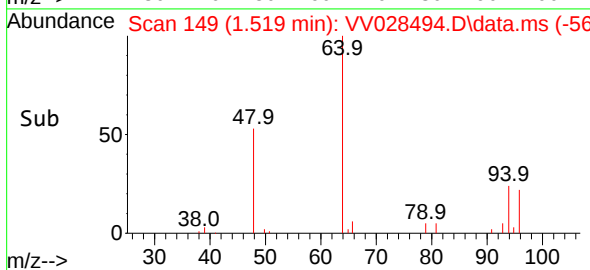
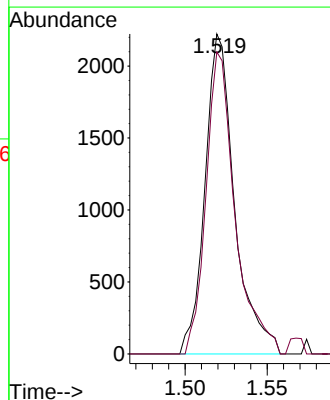
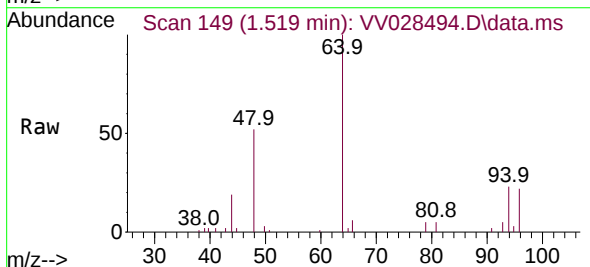
Instrument :
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 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

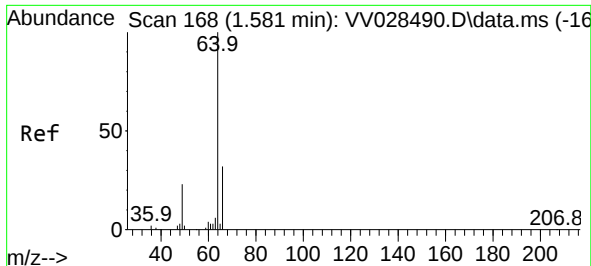
Tgt Ion: 62 Resp: 4714
 Ion Ratio Lower Upper
 62 100
 64 71.1 23.3 43.3#



#6
 Bromomethane
 Concen: 2.214 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV028494.D
 Acq: 10 Oct 2022 11:13

Tgt Ion: 94 Resp: 2787
 Ion Ratio Lower Upper
 94 100
 96 94.3 65.5 121.6

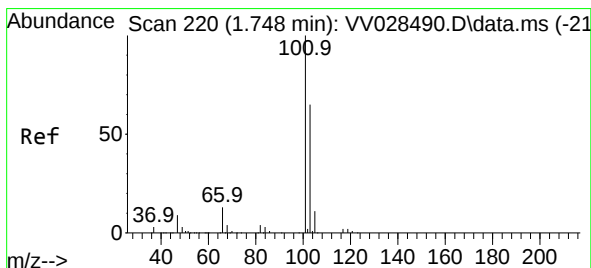
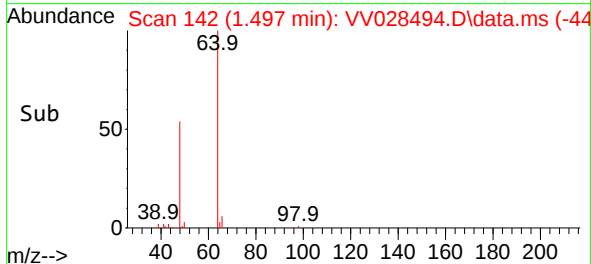
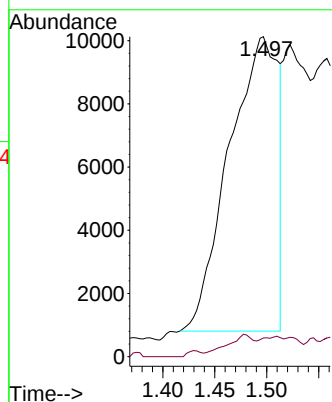
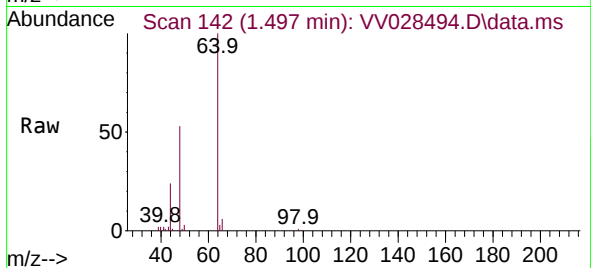




#8
Chloroethane
Concen: 18.146 ug/L
RT: 1.497 min Scan# 14
Delta R.T. -0.084 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

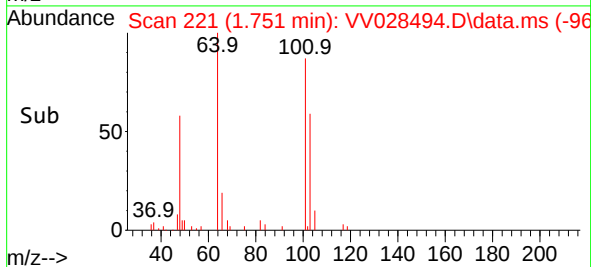
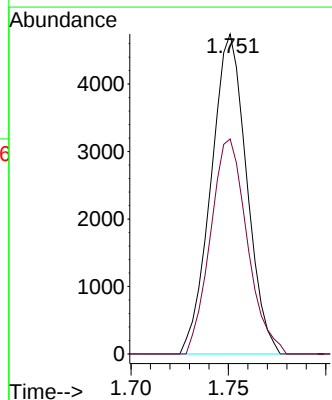
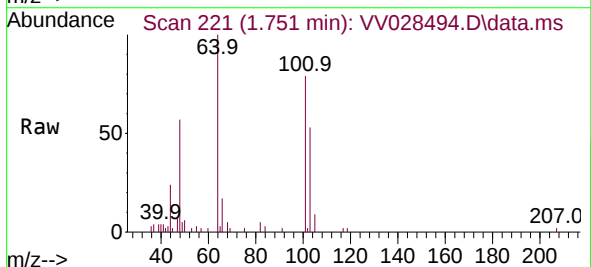
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

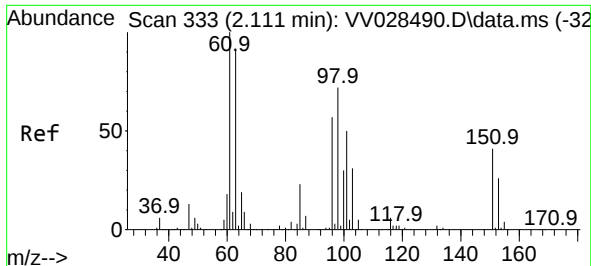
Tgt Ion: 64 Resp: 30411
Ion Ratio Lower Upper
64 100
66 5.8 22.2 41.2#



#9
Trichlorofluoromethane
Concen: 1.765 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion:101 Resp: 6022
Ion Ratio Lower Upper
101 100
103 69.3 50.7 76.1

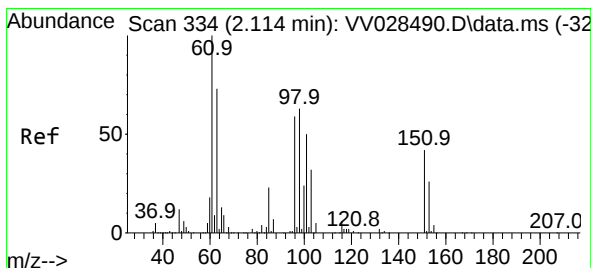
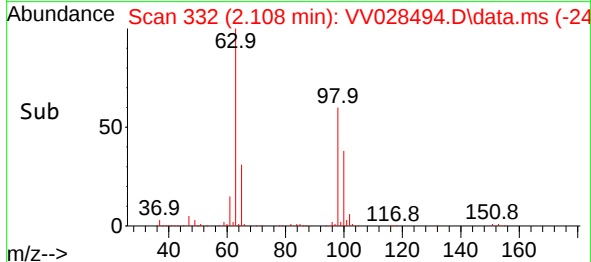
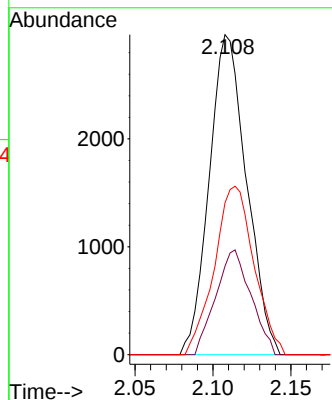
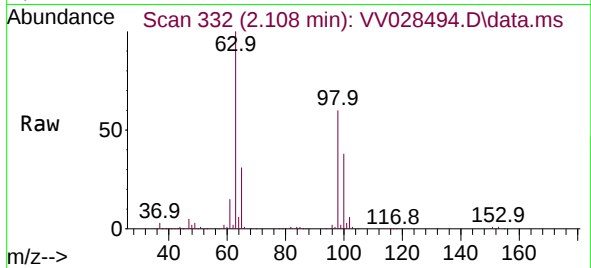




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.557 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

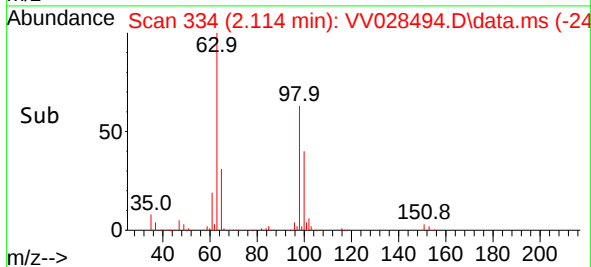
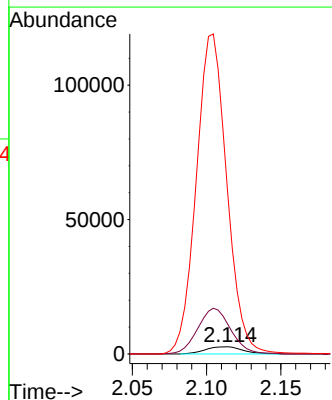
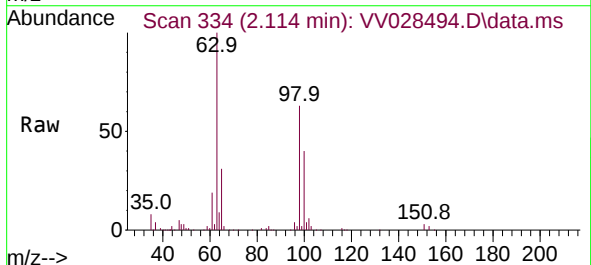
Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

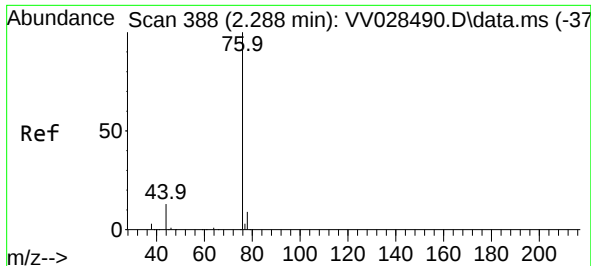
Tgt Ion:101 Resp: 4944
Ion Ratio Lower Upper
101 100
85 30.8 34.9 52.3#
151 56.0 59.2 88.8#



#12
1,1-Dichloroethene
Concen: 2.462 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 96 Resp: 4673
Ion Ratio Lower Upper
96 100
61 414.6 125.6 233.2#
63 2232.0 100.0 185.6#

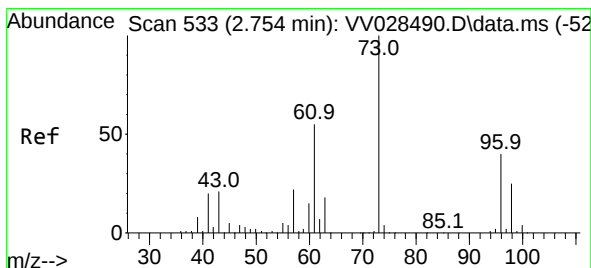
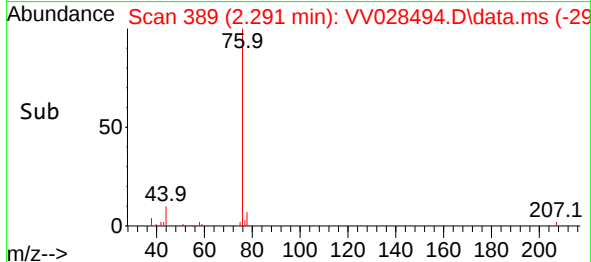
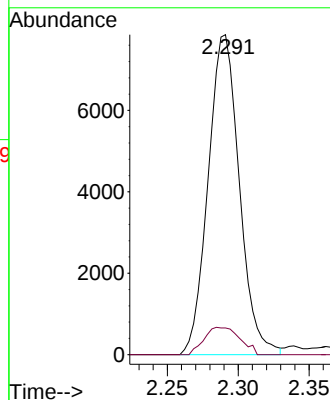
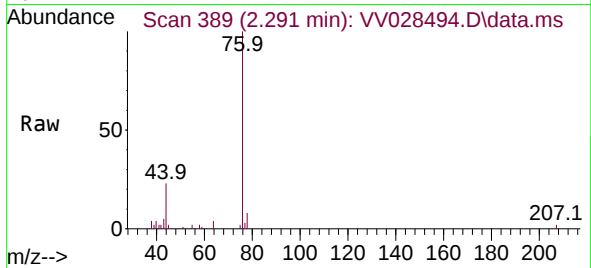




#14
Carbon disulfide
Concen: 1.985 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

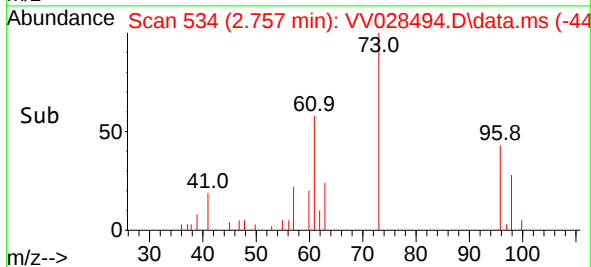
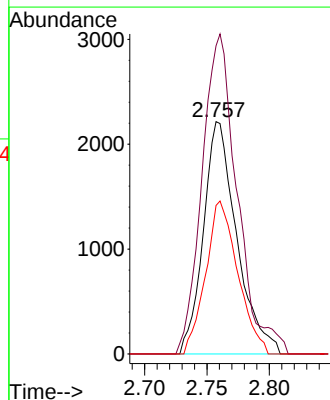
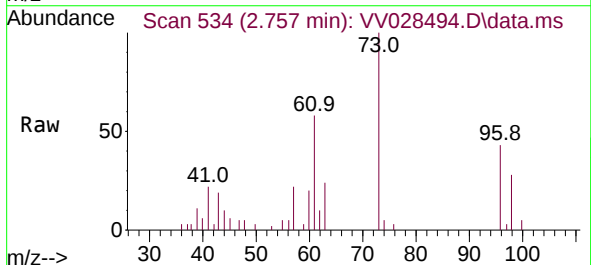
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

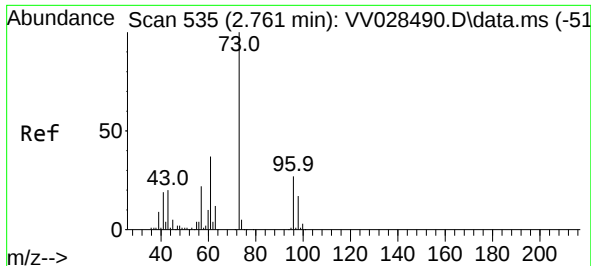
Tgt Ion: 76 Resp: 12050
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#17
trans-1,2-Dichloroethene
Concen: 1.866 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 96 Resp: 4132
Ion Ratio Lower Upper
96 100
61 132.6 104.8 194.6
98 63.9 44.5 82.7

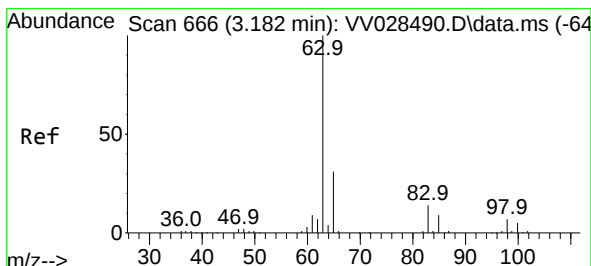
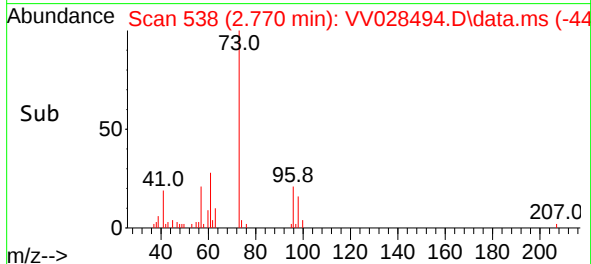
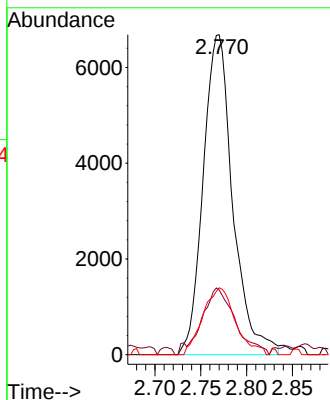
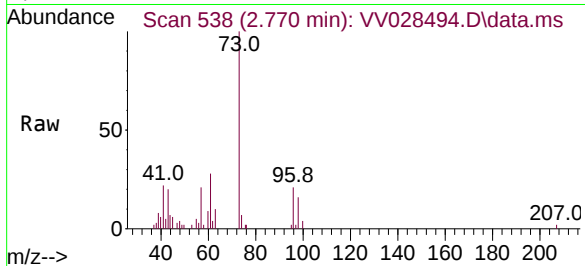




#18
Methyl tert-butyl Ether
Concen: 1.842 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.009 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

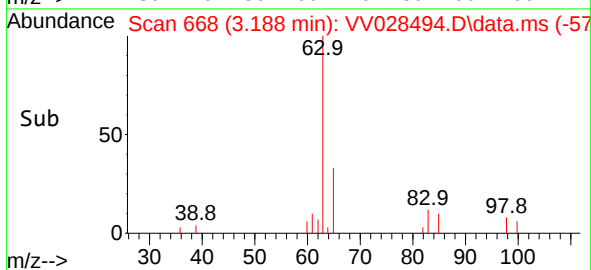
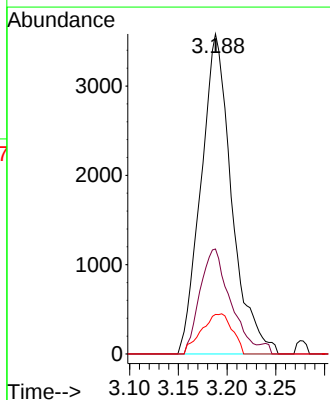
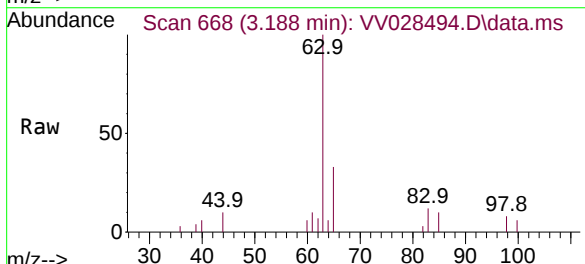
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

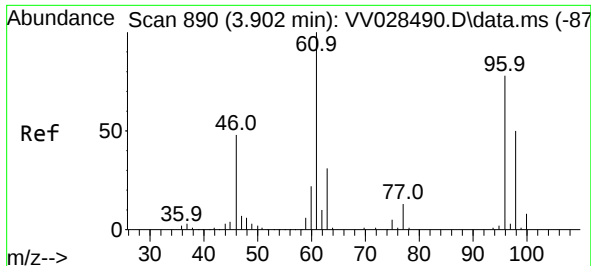
Tgt Ion: 73 Resp: 14991
Ion Ratio Lower Upper
73 100
43 22.7 15.6 23.4
57 22.1 18.2 27.4



#19
1,1-Dichloroethane
Concen: 1.732 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 63 Resp: 7832
Ion Ratio Lower Upper
63 100
65 32.8 22.6 42.0
83 12.4 9.2 17.0

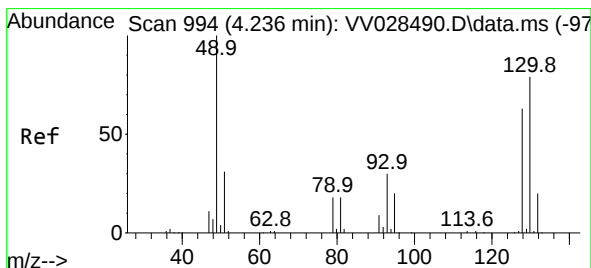
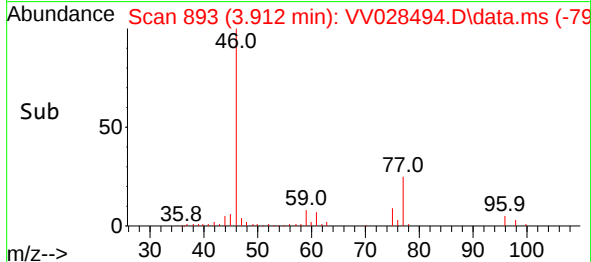
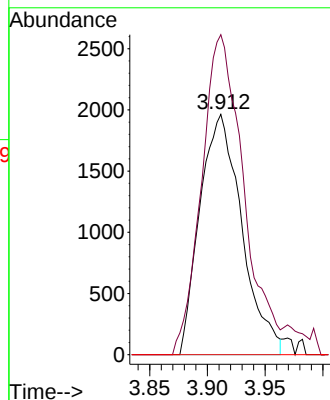
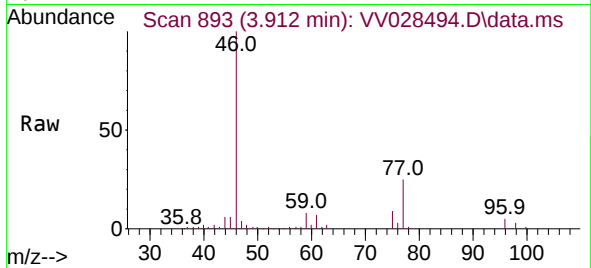




#20
 cis-1,2-Dichloroethene
 Concen: 1.964 ug/L
 RT: 3.912 min Scan# 890
 Delta R.T. 0.009 min
 Lab File: VV028494.D
 Acq: 10 Oct 2022 11:13

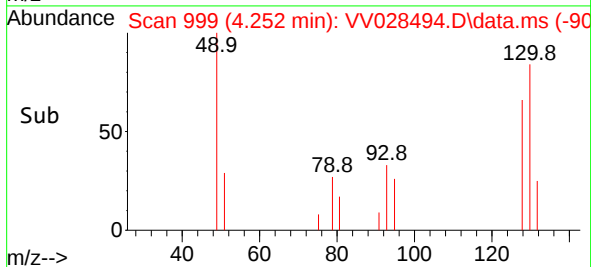
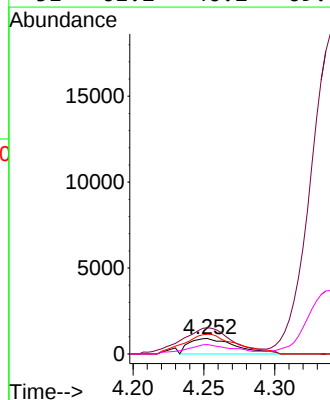
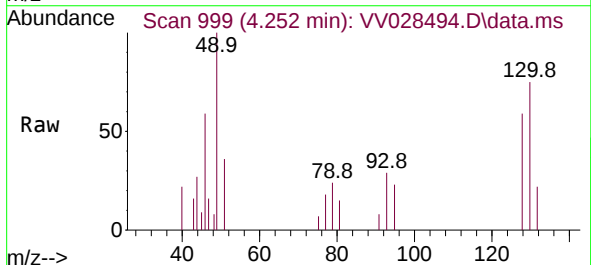
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

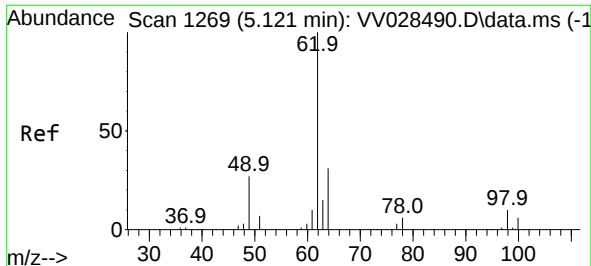
Tgt Ion: 96 Resp: 4953
 Ion Ratio Lower Upper
 96 100
 61 133.1 95.0 176.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 1.680 ug/L
 RT: 4.252 min Scan# 999
 Delta R.T. 0.016 min
 Lab File: VV028494.D
 Acq: 10 Oct 2022 11:13

Tgt Ion: 128 Resp: 2060
 Ion Ratio Lower Upper
 128 100
 49 170.1 130.6 242.6
 130 127.1 90.0 167.2
 51 61.2 46.2 69.4

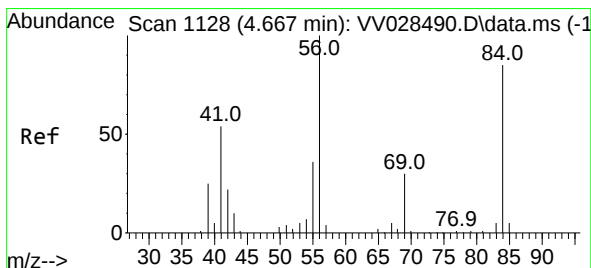
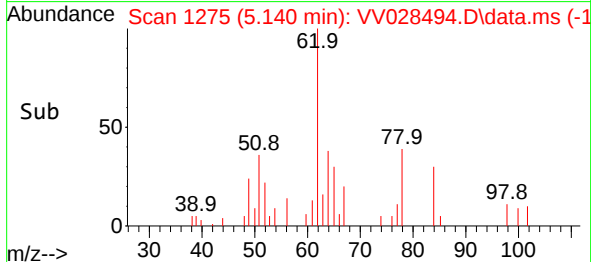
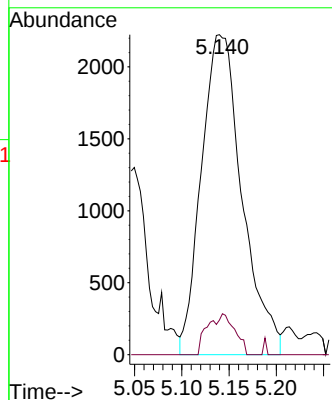
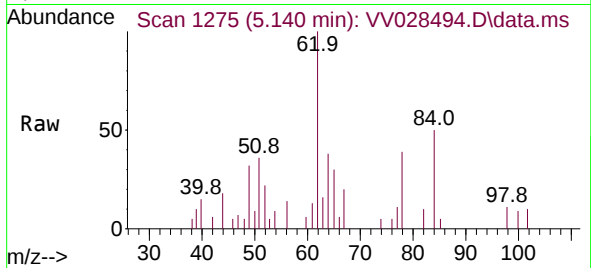




#27
1,2-Dichloroethane
Concen: 1.969 ug/L
RT: 5.140 min Scan# 1130
Delta R.T. 0.019 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

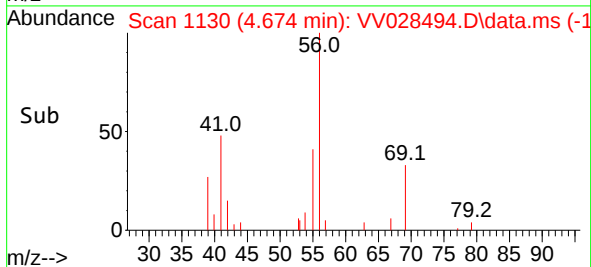
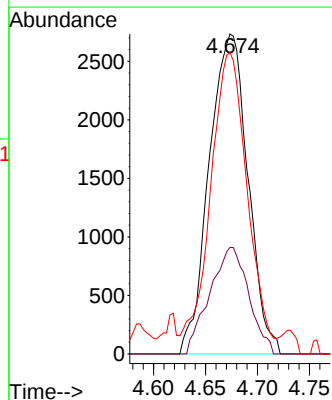
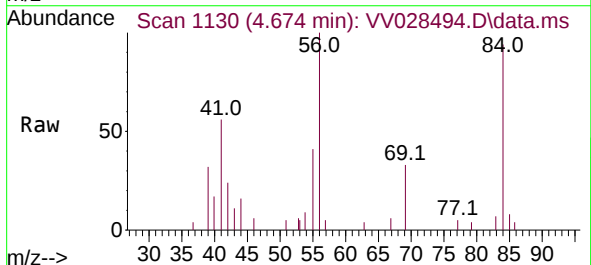
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2022-07

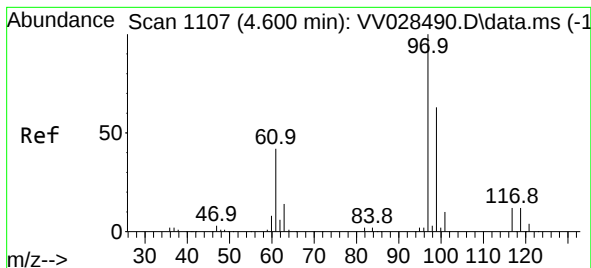
Tgt Ion: 62 Resp: 6662
Ion Ratio Lower Upper
62 100
98 10.8 7.6 11.4



#29
Cyclohexane
Concen: 1.693 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 56 Resp: 7088
Ion Ratio Lower Upper
56 100
69 33.4 23.0 34.6
84 84.9 65.8 98.8





#30

1,1,1-Trichloroethane

Concen: 1.957 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

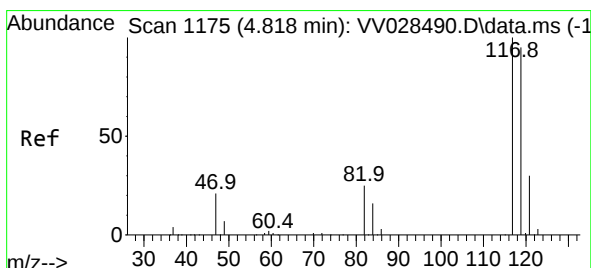
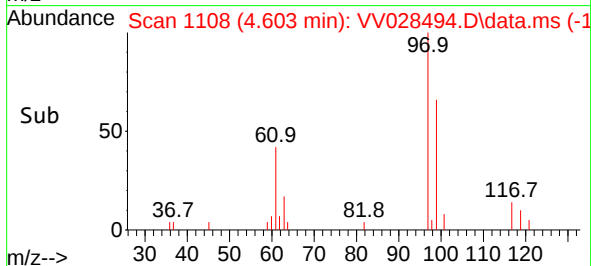
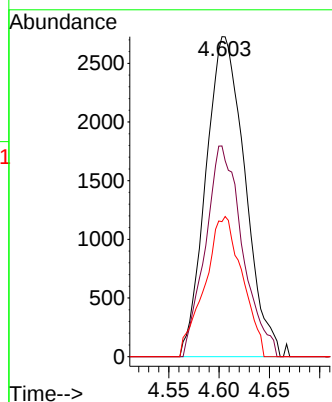
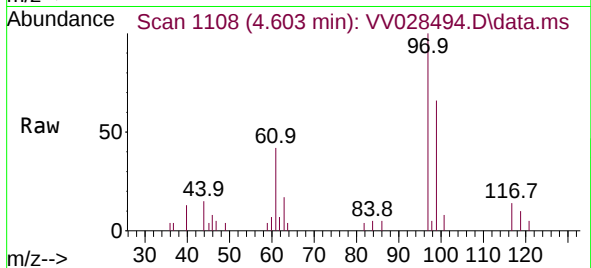
Tgt Ion: 97 Resp: 7358

Ion Ratio Lower Upper

97 100

99 62.5 50.2 75.2

61 42.1 35.8 53.6



#31

Carbon tetrachloride

Concen: 2.038 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. 0.006 min

Lab File: VV028494.D

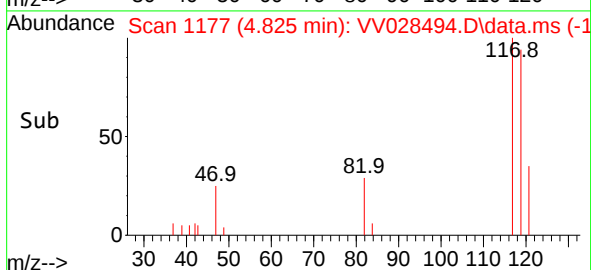
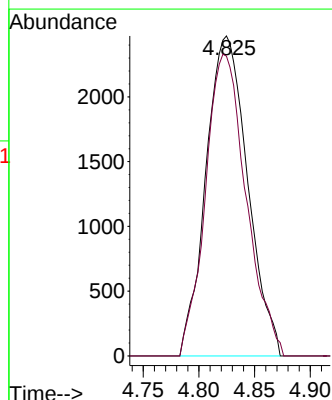
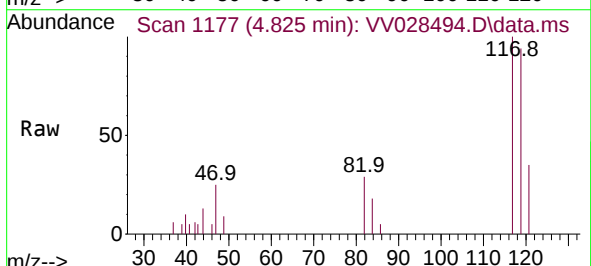
Acq: 10 Oct 2022 11:13

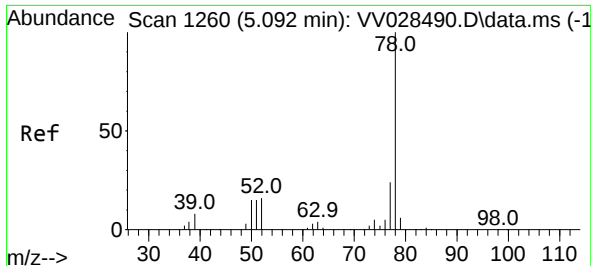
Tgt Ion: 117 Resp: 6414

Ion Ratio Lower Upper

117 100

119 91.9 78.0 117.0

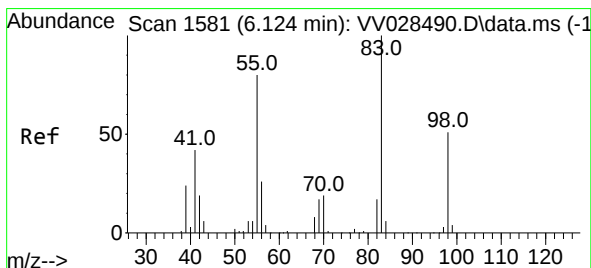
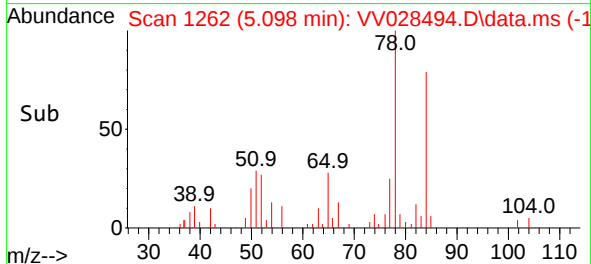
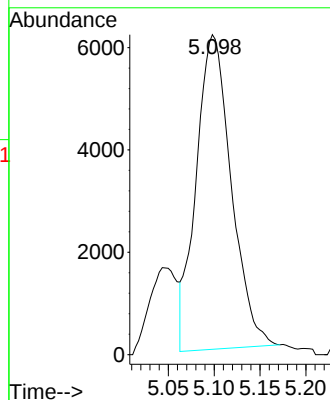
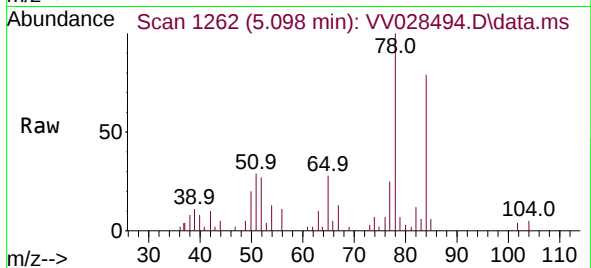




#33
Benzene
Concen: 1.708 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

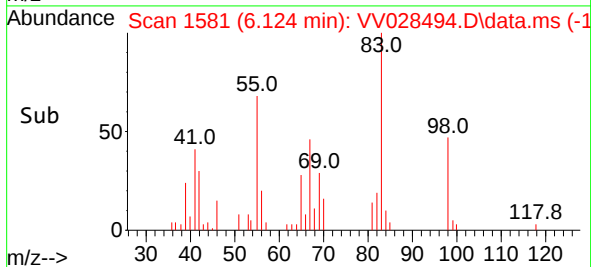
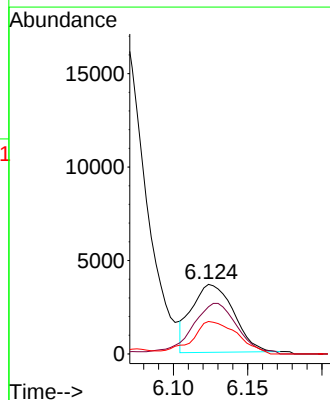
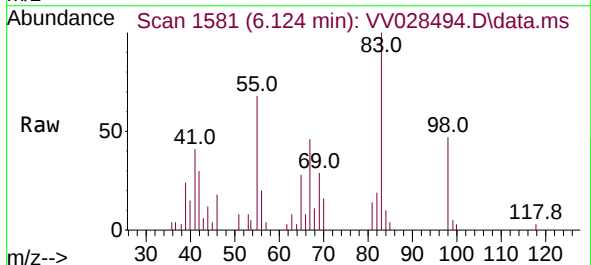
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2022-07

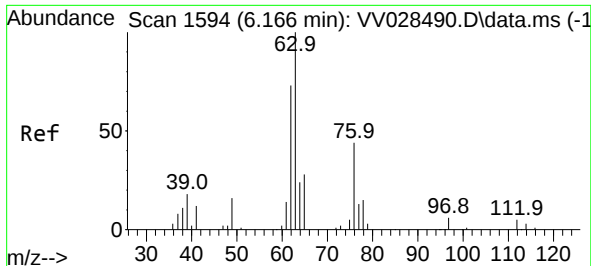
Tgt Ion: 78 Resp: 16350



#35
Methylcyclohexane
Concen: 1.723 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 83 Resp: 7113
Ion Ratio Lower Upper
83 100
55 80.9 63.7 95.5
98 51.8 38.2 57.2





#37

1,2-Dichloropropane

Concen: 1.490 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.009 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

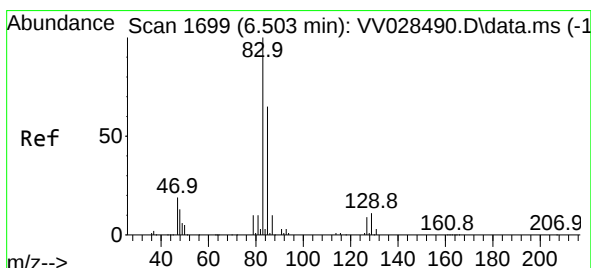
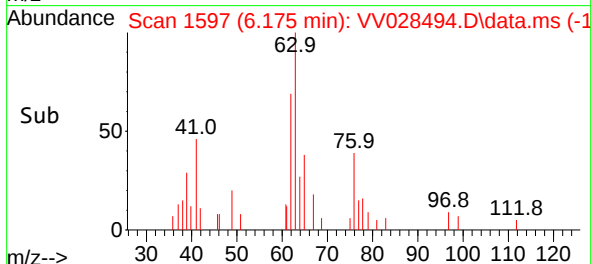
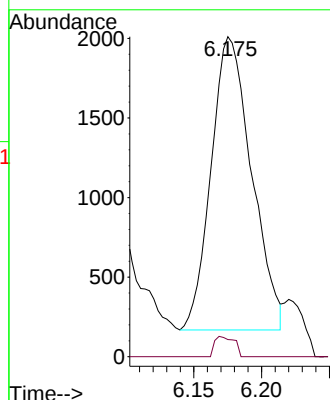
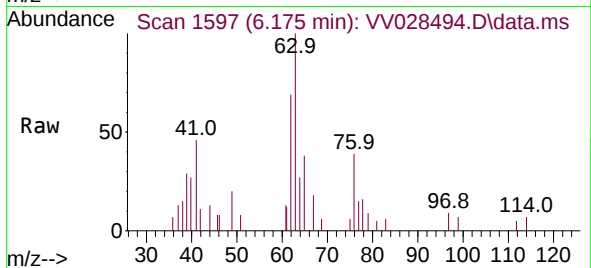
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 63 Resp: 3823

Ion Ratio Lower Upper

63 100

112 2.9 3.5 5.3#



#38

Bromodichloromethane

Concen: 1.803 ug/L

RT: 6.509 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

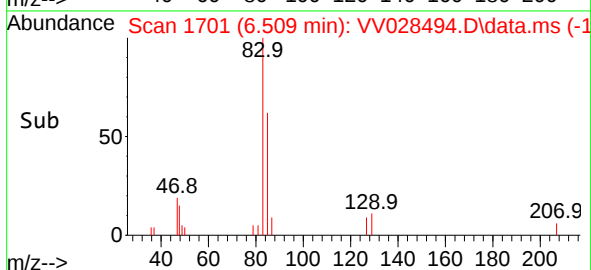
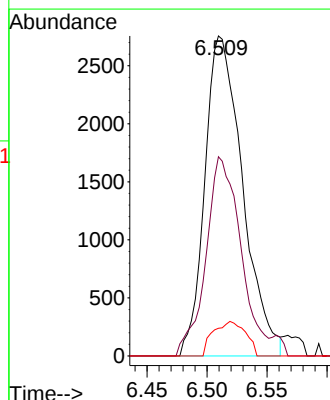
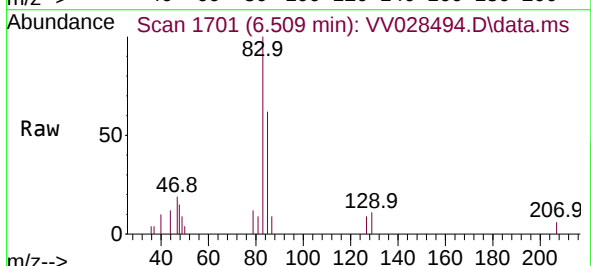
Tgt Ion: 83 Resp: 6030

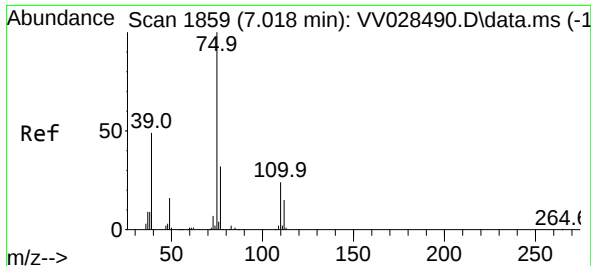
Ion Ratio Lower Upper

83 100

85 62.2 45.1 83.7

127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 1.732 ug/L

RT: 7.030 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

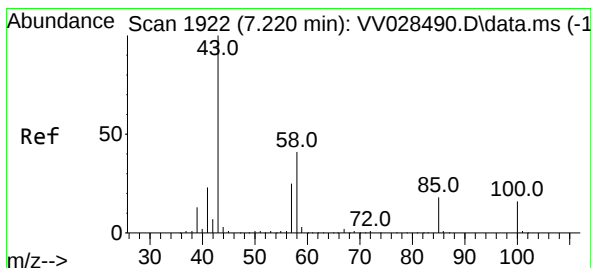
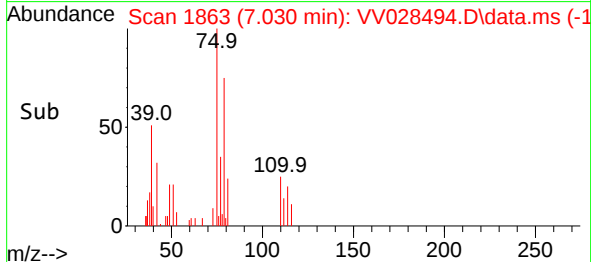
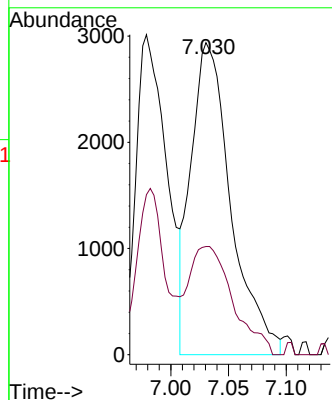
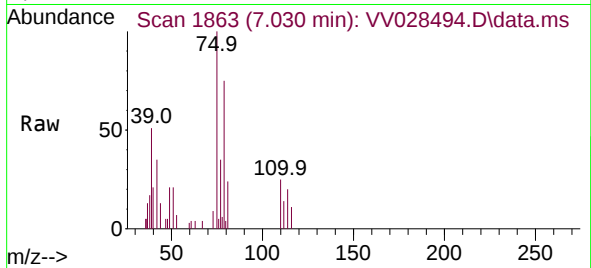
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 75 Resp: 7070

Ion Ratio Lower Upper

75 100

77 34.6 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 3.001 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.013 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

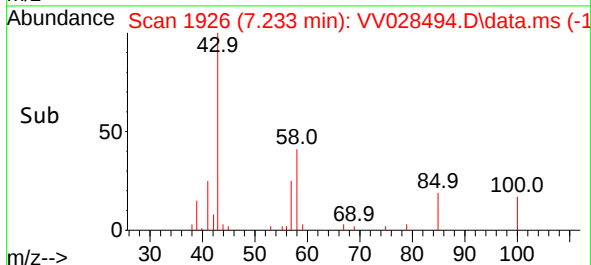
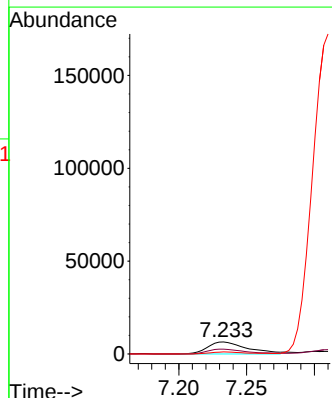
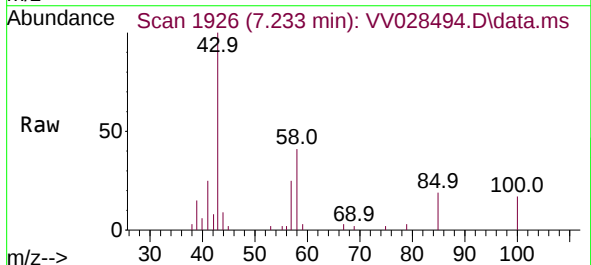
Tgt Ion: 43 Resp: 13135

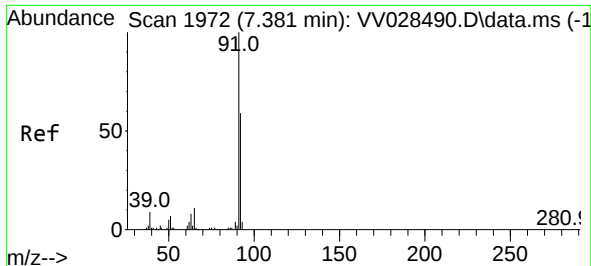
Ion Ratio Lower Upper

43 100

58 40.6 31.3 46.9

100 15.8 11.5 17.3





#42

Toluene

Concen: 1.802 ug/L

RT: 7.390 min Scan# 1972

Delta R.T. 0.009 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

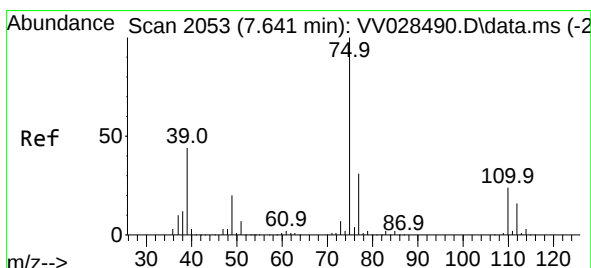
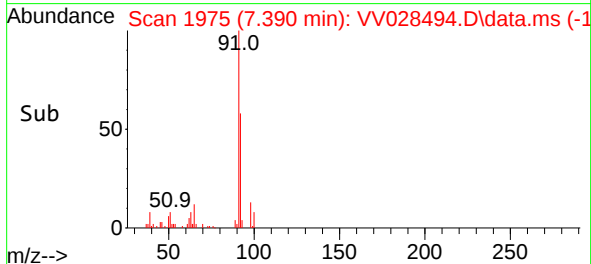
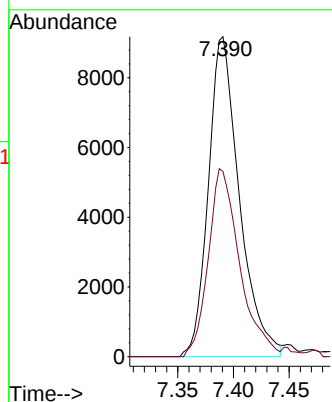
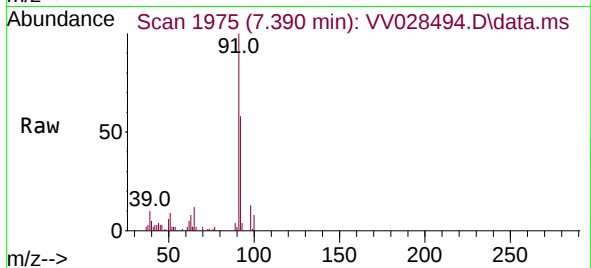
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 91 Resp: 17784

Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 1.681 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.016 min

Lab File: VV028494.D

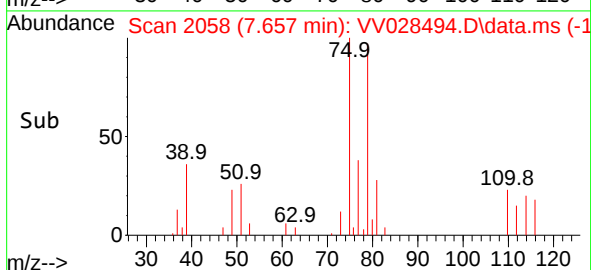
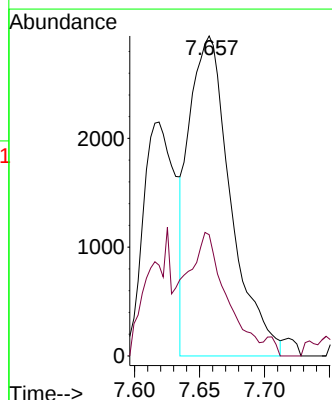
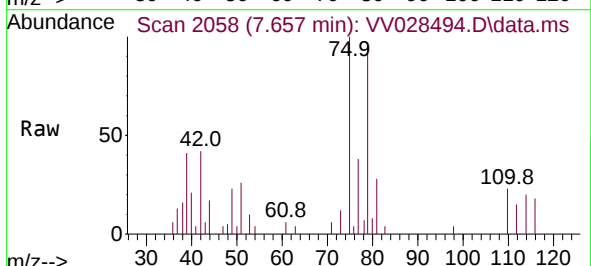
Acq: 10 Oct 2022 11:13

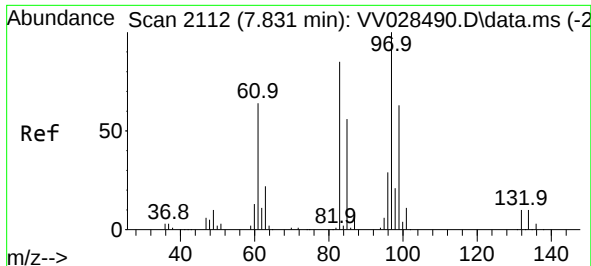
Tgt Ion: 75 Resp: 6587

Ion Ratio Lower Upper

75 100

77 37.9 21.8 40.4

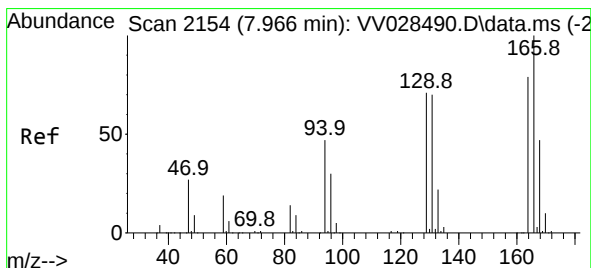
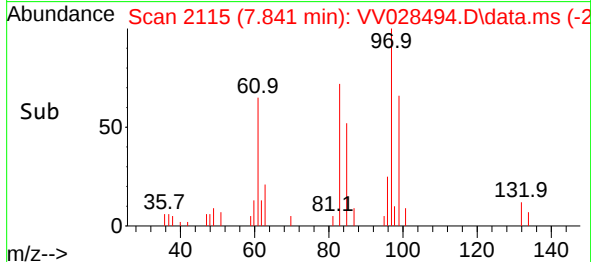
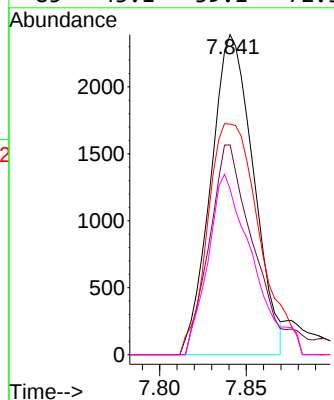
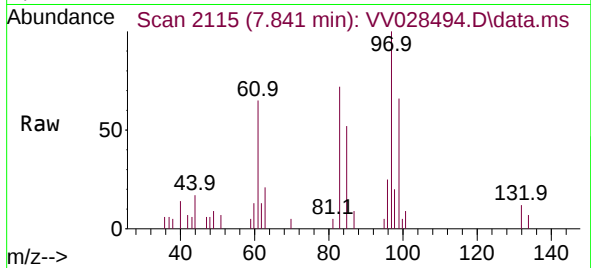




#45
1,1,2-Trichloroethane
Concen: 1.722 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.009 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

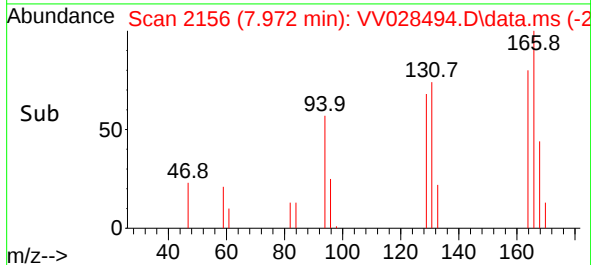
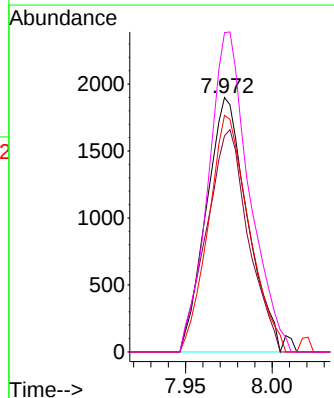
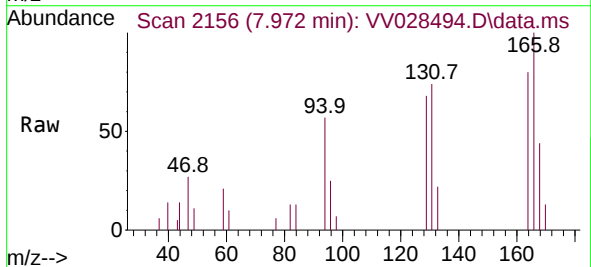
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2022-07

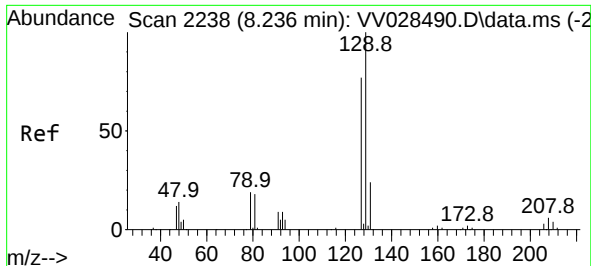
Tgt Ion:	97	Resp:	4094
Ion	Ratio	Lower	Upper
97	100		
99	54.6	43.9	81.5
83	60.0	61.9	114.9#
85	43.1	39.1	72.5



#46
Tetrachloroethene
Concen: 1.828 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion:	164	Resp:	3120
Ion	Ratio	Lower	Upper
164	100		
129	85.0	67.4	125.2
131	93.0	65.2	121.2
166	125.5	88.5	164.4





#49

Dibromochloromethane

Concen: 1.754 ug/L

RT: 8.246 min Scan# 21

Delta R.T. 0.009 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

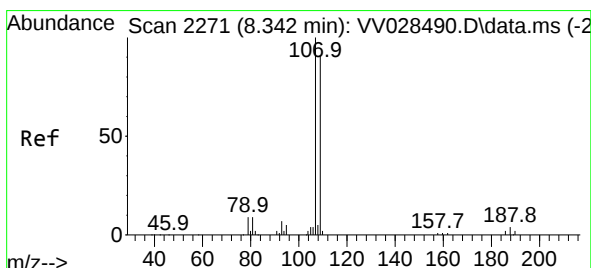
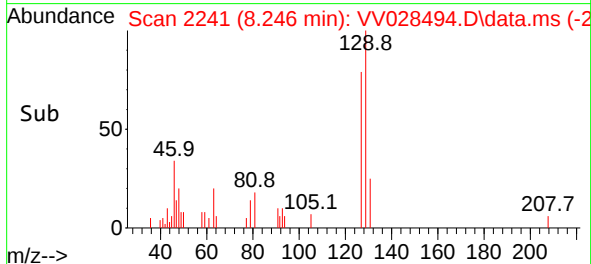
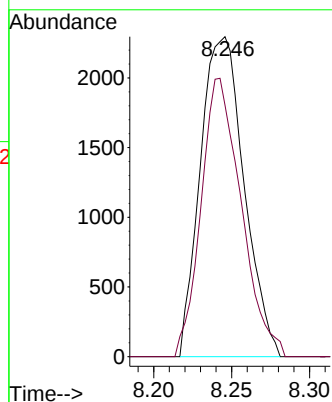
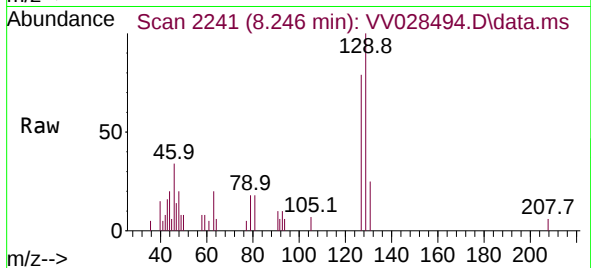
MDL-MED-SOIL-QT4-2022-07

Tgt Ion:129 Resp: 4482

Ion Ratio Lower Upper

129 100

127 78.6 53.6 99.6



#50

1,2-Dibromoethane

Concen: 1.870 ug/L

RT: 8.355 min Scan# 2275

Delta R.T. 0.013 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

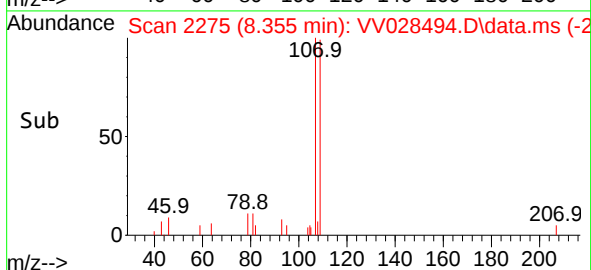
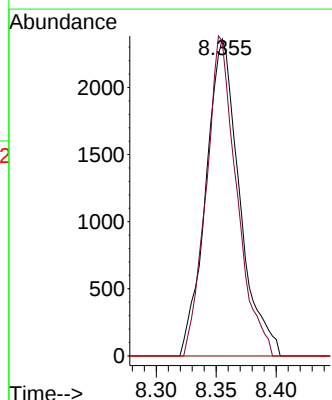
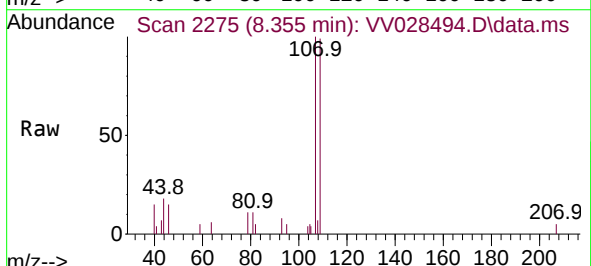
Tgt Ion:107 Resp: 4604

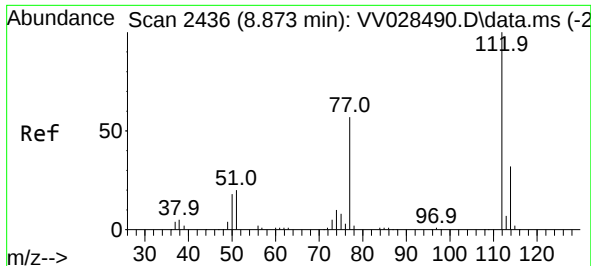
Ion Ratio Lower Upper

107 100

109 99.3 65.9 122.5

188 0.0 3.0 4.4#

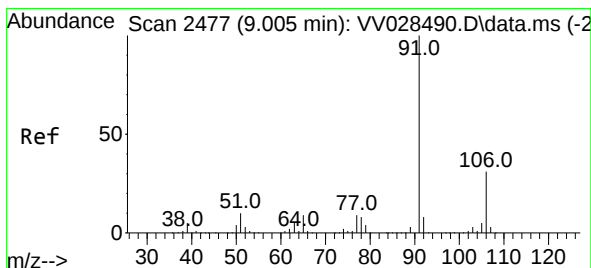
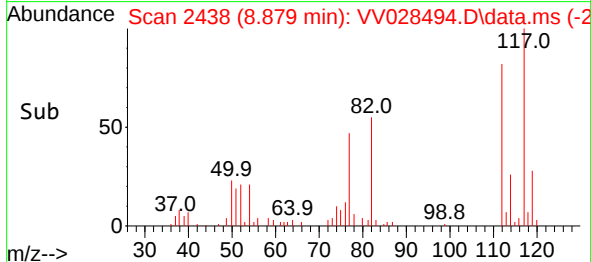
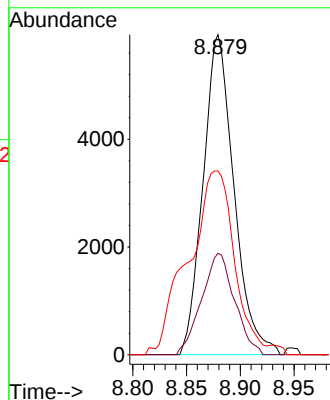
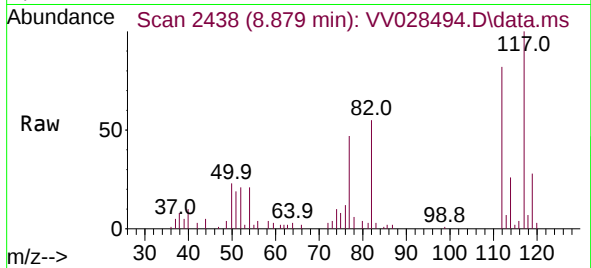




#51
Chlorobenzene
Concen: 1.920 ug/L
RT: 8.879 min Scan# 2436
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

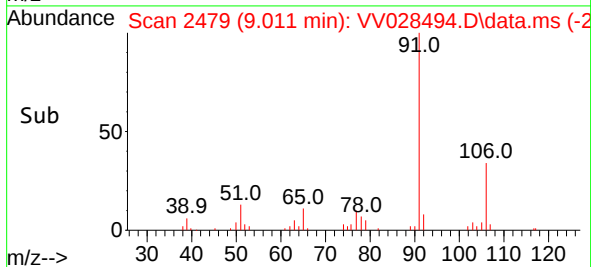
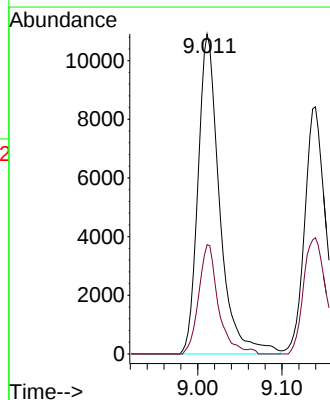
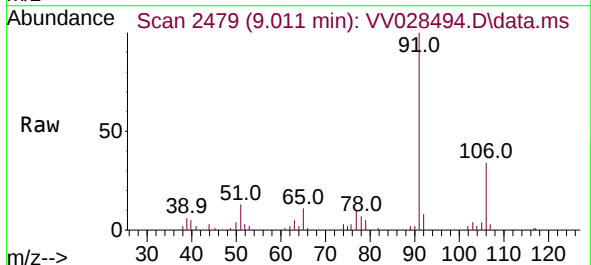
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2022-07

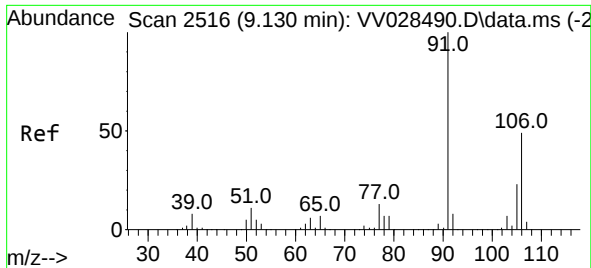
Tgt Ion:112 Resp: 11886
Ion Ratio Lower Upper
112 100
114 31.7 21.7 40.3
77 57.4 48.7 73.1



#52
Ethylbenzene
Concen: 1.807 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 91 Resp: 19436
Ion Ratio Lower Upper
91 100
106 34.2 21.4 39.8

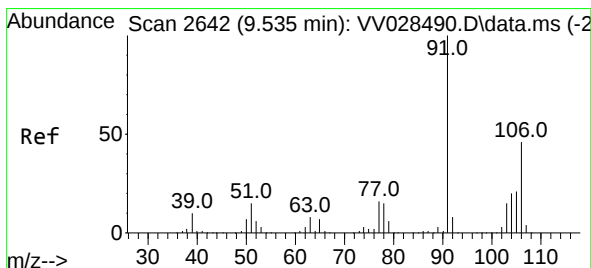
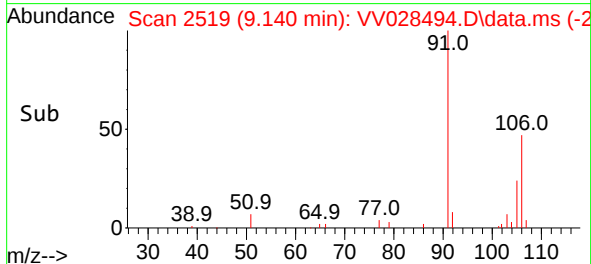
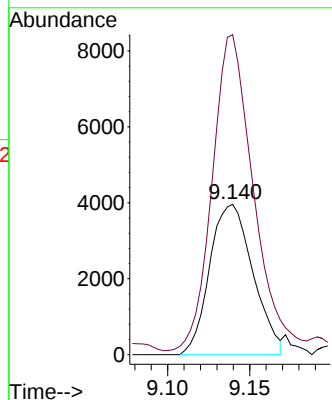
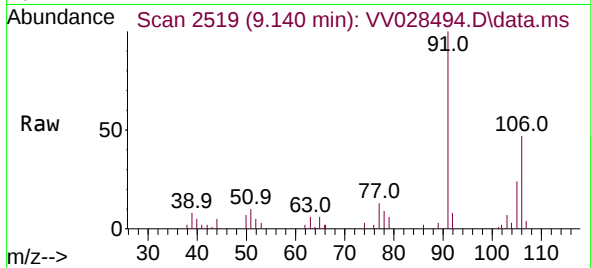




#53
m,p-Xylene
Concen: 1.779 ug/L
RT: 9.140 min Scan# 2516
Delta R.T. 0.009 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

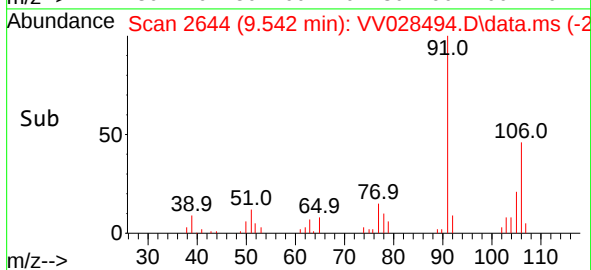
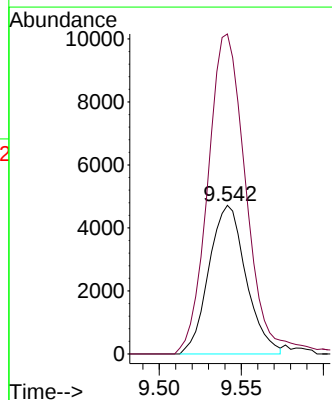
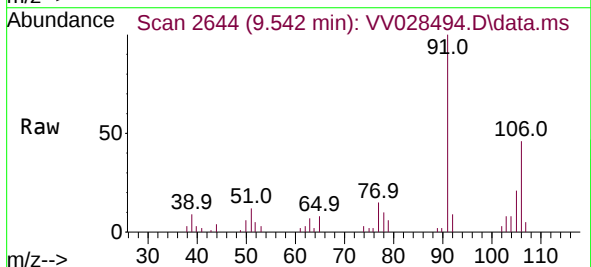
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

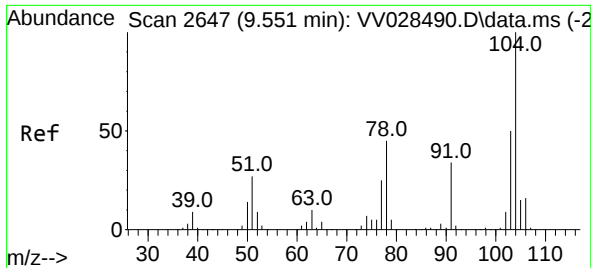
Tgt Ion:106 Resp: 7254
Ion Ratio Lower Upper
106 100
91 212.8 145.2 269.6



#54
o-Xylene
Concen: 1.818 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion:106 Resp: 7419
Ion Ratio Lower Upper
106 100
91 215.3 152.5 283.3

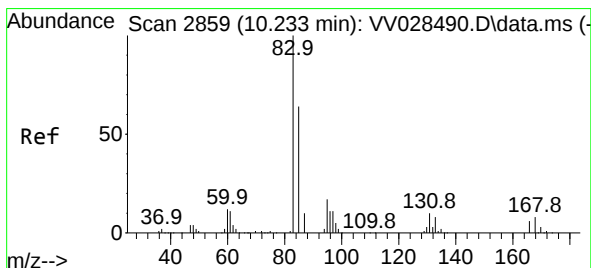
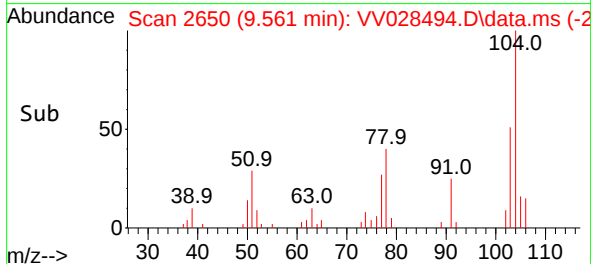
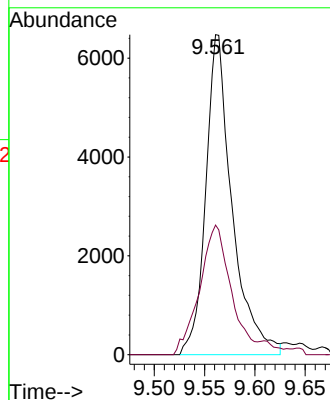
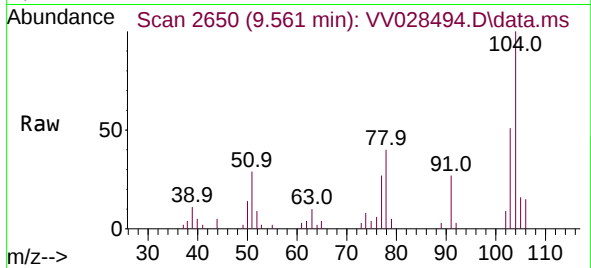




#55
Styrene
Concen: 1.684 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.009 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

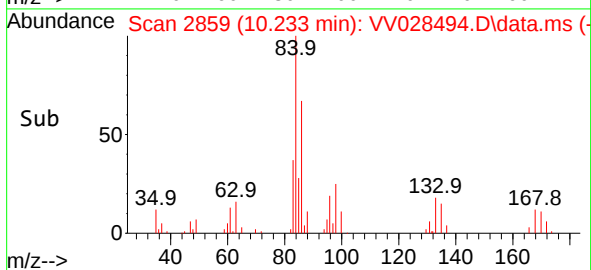
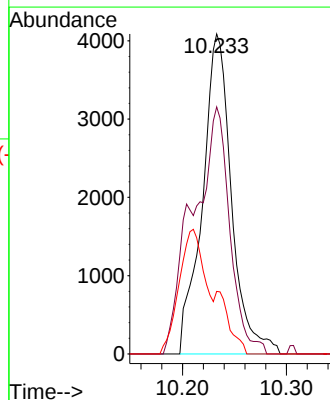
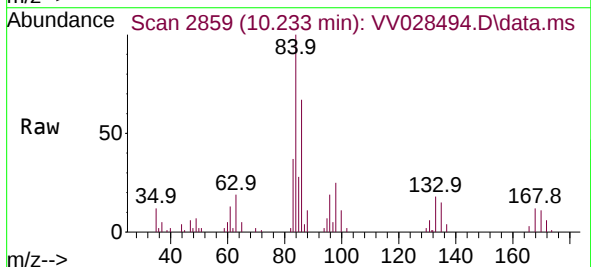
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

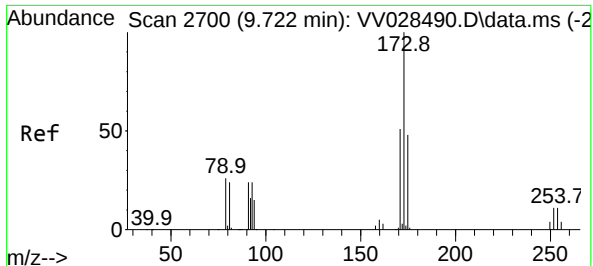
Tgt Ion:104 Resp: 11802
Ion Ratio Lower Upper
104 100
78 40.5 31.9 59.2



#57
1,1,2,2-Tetrachloroethane
Concen: 1.954 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion: 83 Resp: 7954
Ion Ratio Lower Upper
83 100
85 77.2 44.8 83.2
131 19.5 7.2 10.8#

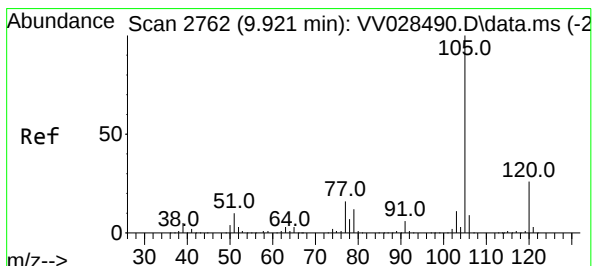
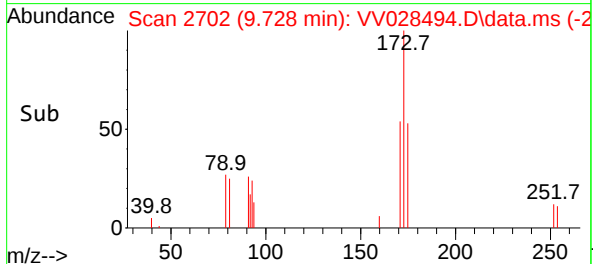
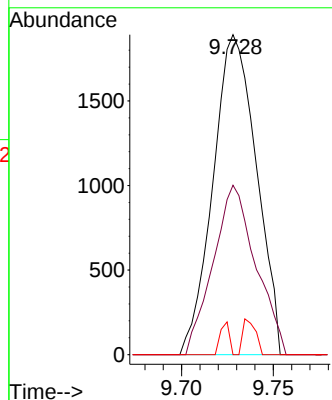
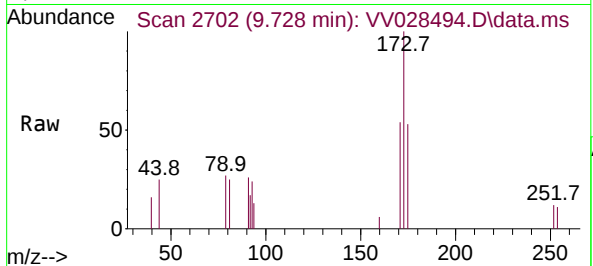




#59
Bromoform
Concen: 1.700 ug/L
RT: 9.728 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

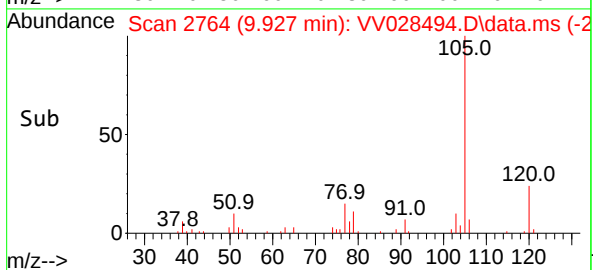
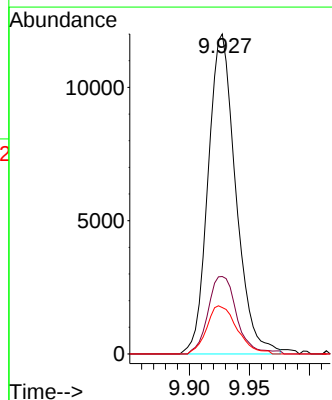
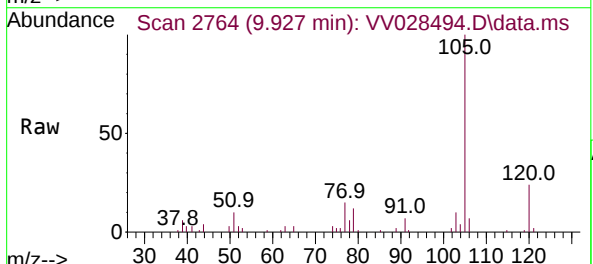
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

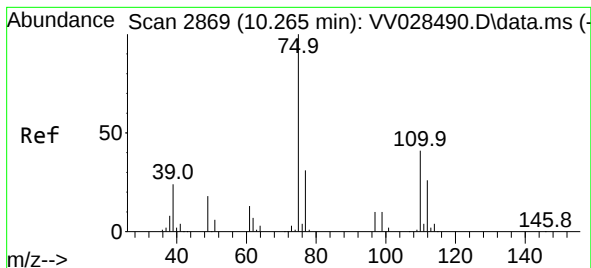
Tgt Ion:173 Resp: 3108
Ion Ratio Lower Upper
173 100
175 52.1 38.6 57.8
254 2.1 8.4 12.6#



#60
Isopropylbenzene
Concen: 1.808 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. 0.006 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion:105 Resp: 19230
Ion Ratio Lower Upper
105 100
120 25.0 20.5 30.7
77 16.4 12.7 19.1





#61

1,2,3-Trichloropropane

Concen: 1.823 ug/L

RT: 10.268 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

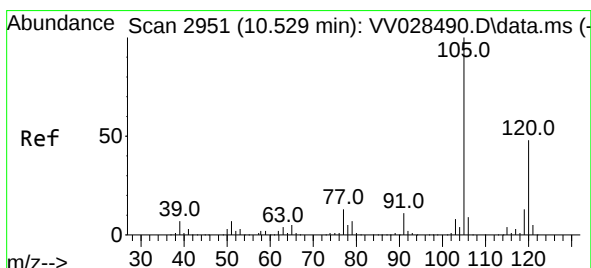
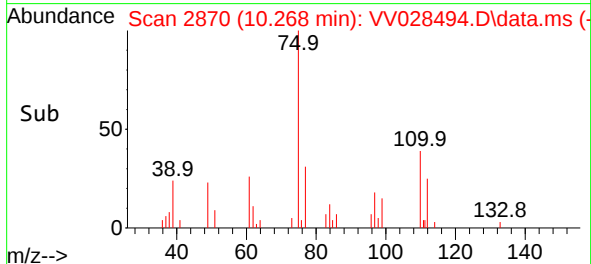
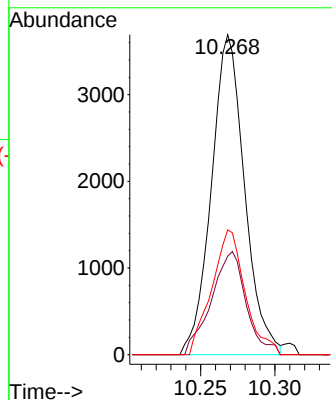
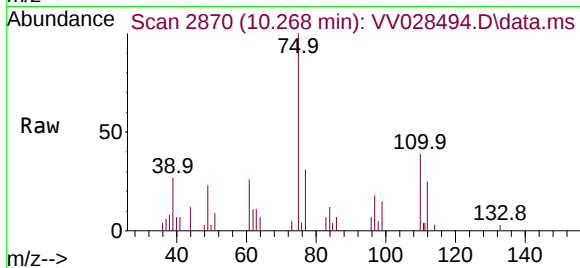
Tgt Ion: 75 Resp: 5728

Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5

110 39.4 30.0 45.0



#62

1,3,5-Trimethylbenzene

Concen: 1.810 ug/L

RT: 10.532 min Scan# 2952

Delta R.T. 0.003 min

Lab File: VV028494.D

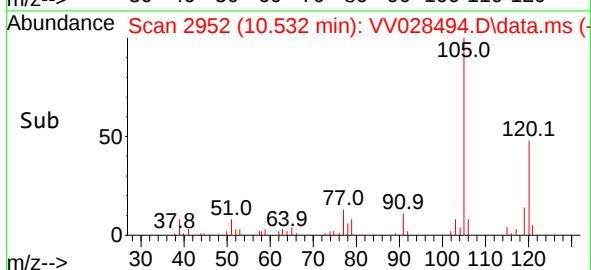
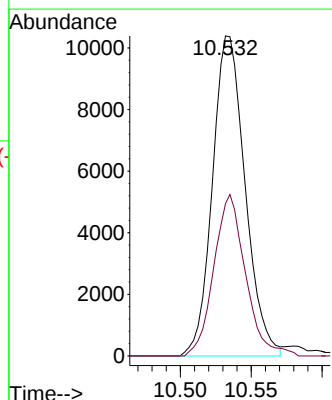
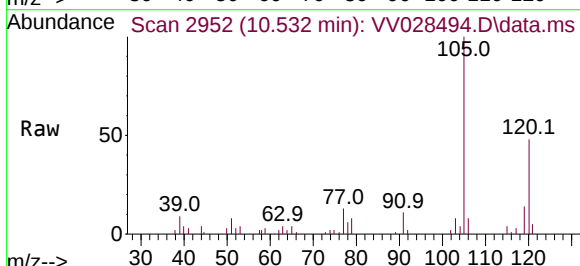
Acq: 10 Oct 2022 11:13

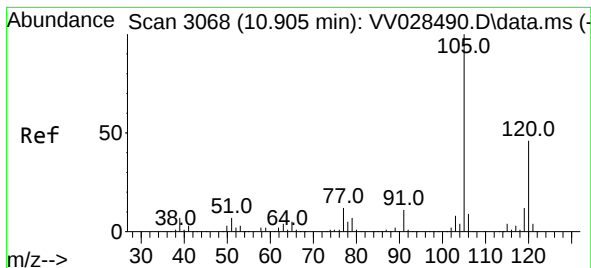
Tgt Ion: 105 Resp: 16675

Ion Ratio Lower Upper

105 100

120 48.9 39.1 58.7





#63

1,2,4-Trimethylbenzene

Concen: 1.756 ug/L

RT: 10.911 min Scan# 3068

Delta R.T. 0.006 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

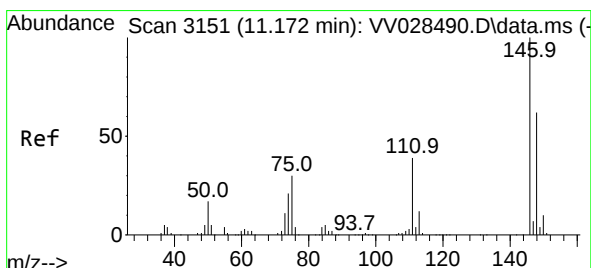
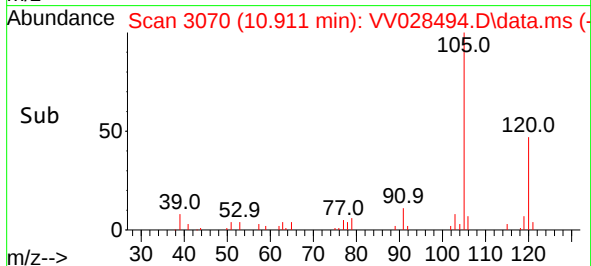
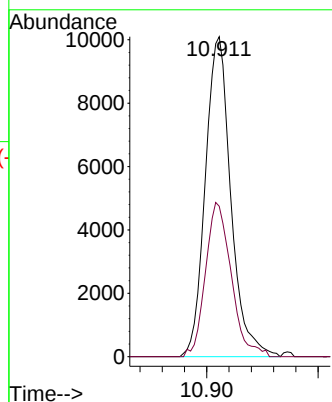
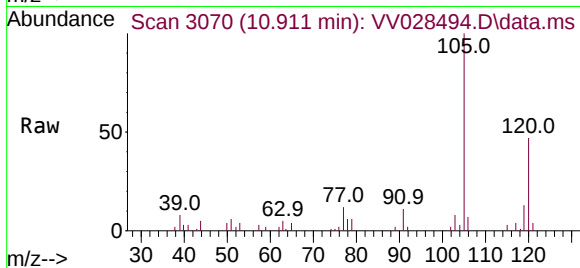
MDL-MED-SOIL-QT4-2022-07

Tgt Ion:105 Resp: 16059

Ion Ratio Lower Upper

105 100

120 48.6 35.9 53.9



#64

1,3-Dichlorobenzene

Concen: 1.760 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.006 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

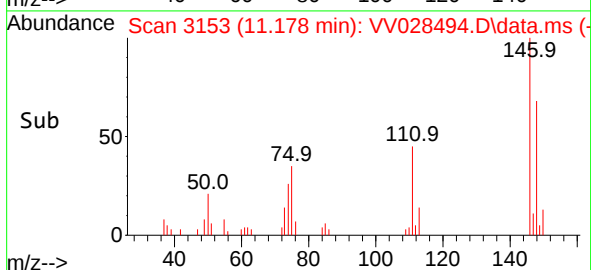
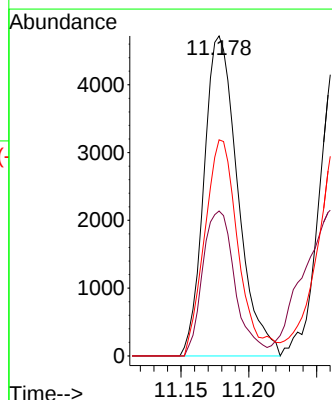
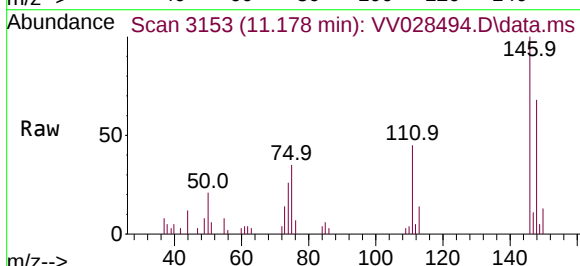
Tgt Ion:146 Resp: 8189

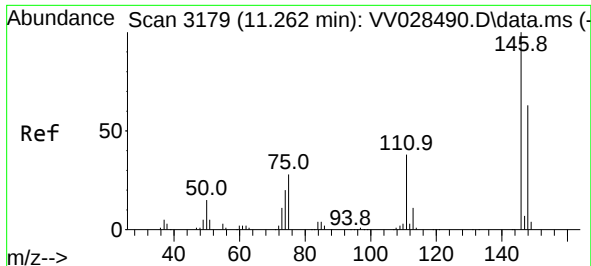
Ion Ratio Lower Upper

146 100

111 45.3 29.0 53.9

148 67.5 44.6 82.8

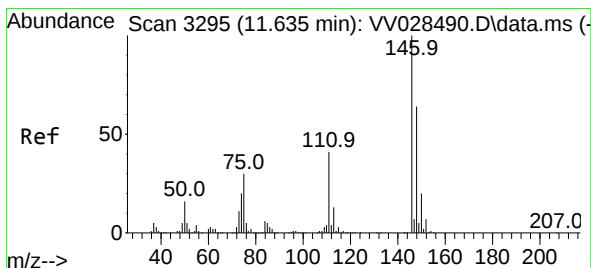
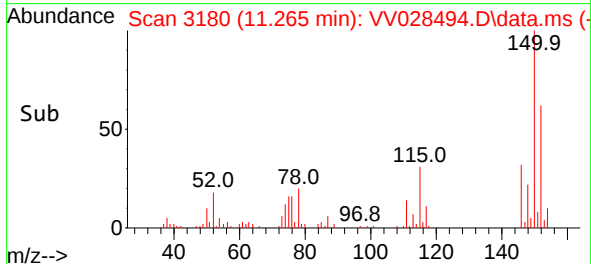
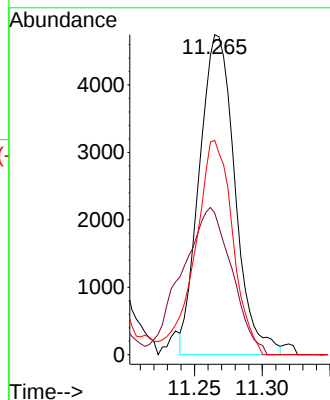
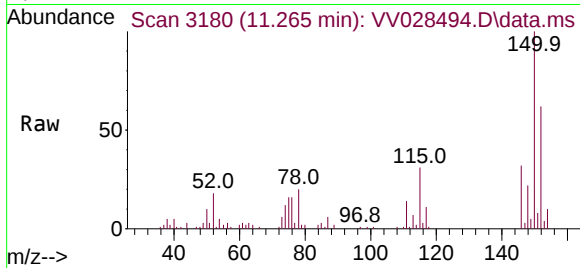




#65
1,4-Dichlorobenzene
Concen: 1.866 ug/L
RT: 11.265 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

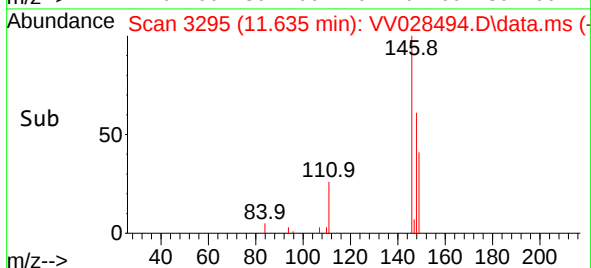
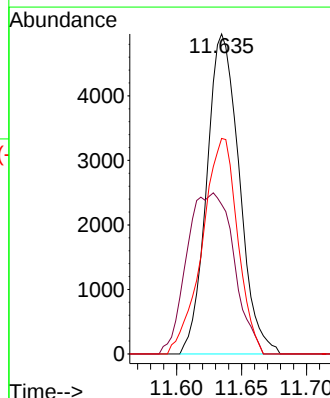
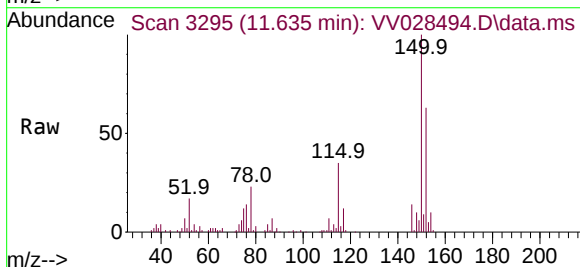
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

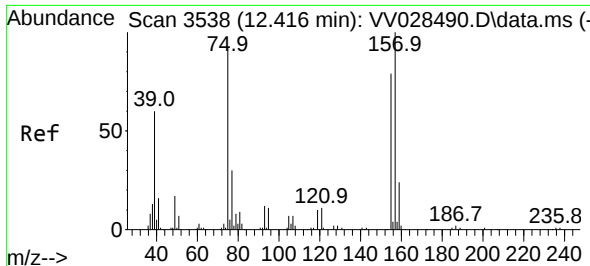
Tgt Ion:	146	Resp:	8663
Ion Ratio	Lower	Upper	
146	100		
111	44.2	26.6	49.4
148	67.0	43.4	80.6



#67
1,2-Dichlorobenzene
Concen: 1.839 ug/L
RT: 11.635 min Scan# 3295
Delta R.T. -0.000 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion:	146	Resp:	8633
Ion Ratio	Lower	Upper	
146	100		
111	46.7	33.9	50.9
148	67.3	50.6	75.8

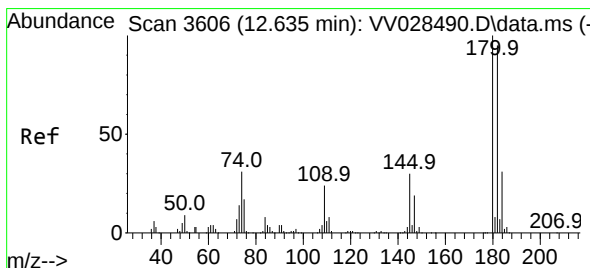
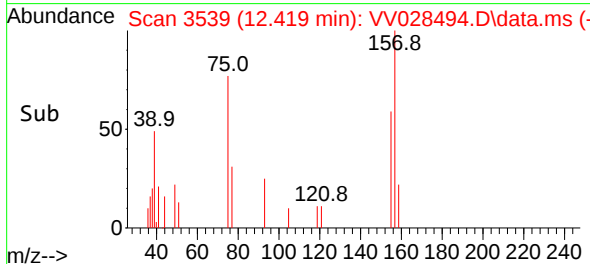
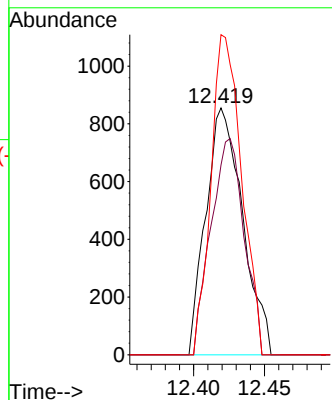
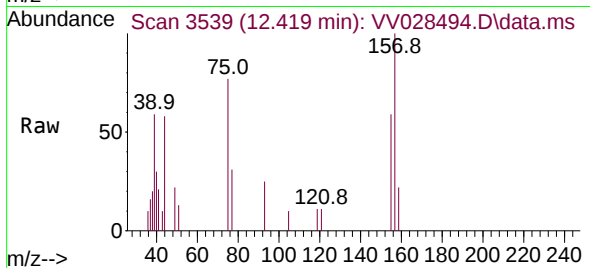




#68
1,2-Dibromo-3-chloropropane
Concen: 1.608 ug/L
RT: 12.419 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

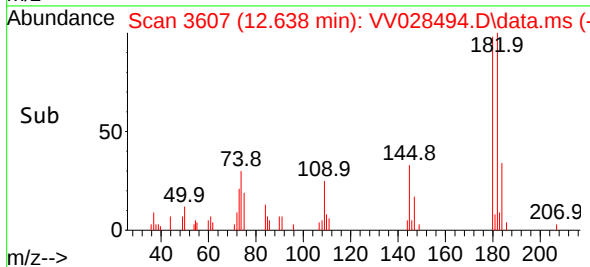
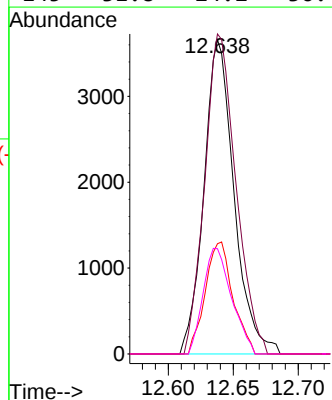
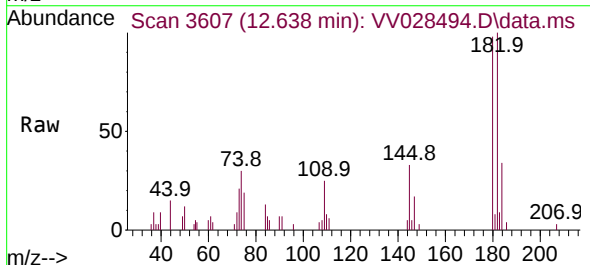
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

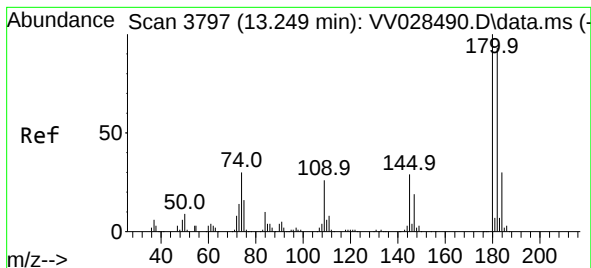
Tgt Ion: 75 Resp: 1546
Ion Ratio Lower Upper
75 100
155 76.8 65.0 97.6
157 129.7 86.0 129.0#



#69
1,3,5-Trichlorobenzene
Concen: 1.671 ug/L
RT: 12.638 min Scan# 3607
Delta R.T. 0.003 min
Lab File: VV028494.D
Acq: 10 Oct 2022 11:13

Tgt Ion:180 Resp: 5904
Ion Ratio Lower Upper
180 100
182 105.4 75.9 113.9
184 32.7 24.0 36.0
145 31.8 24.2 36.4





#70

1,2,4-trichlorobenzene

Concen: 1.520 ug/L

RT: 13.255 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

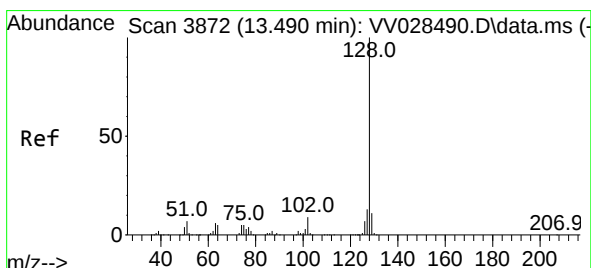
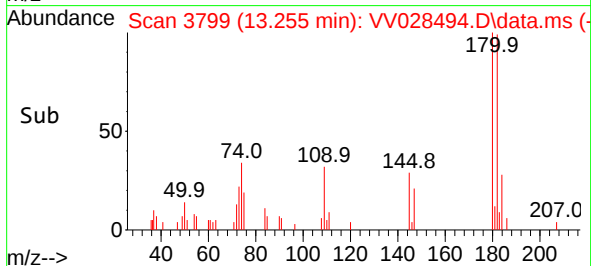
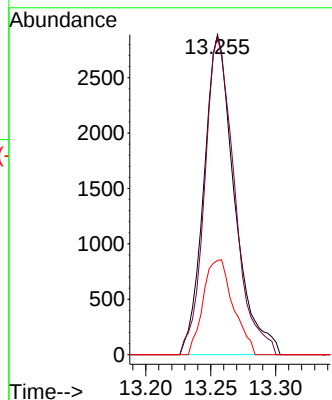
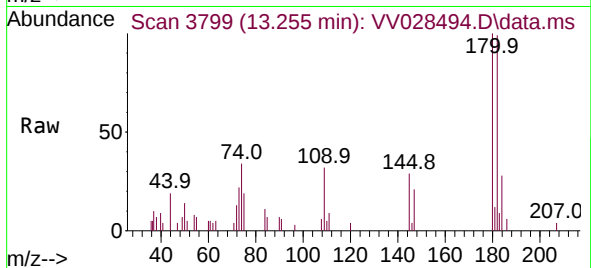
Tgt Ion:180 Resp: 4733

Ion Ratio Lower Upper

180 100

182 96.8 75.3 112.9

145 29.0 24.3 36.5



#71

Naphthalene

Concen: 1.780 ug/L

RT: 13.496 min Scan# 3874

Delta R.T. 0.006 min

Lab File: VV028494.D

Acq: 10 Oct 2022 11:13

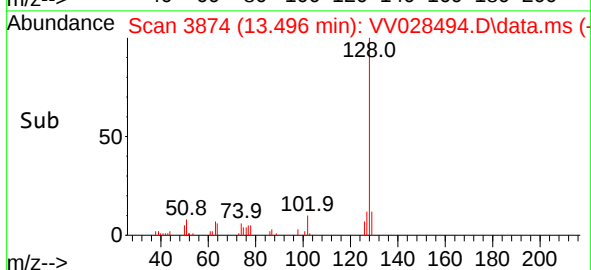
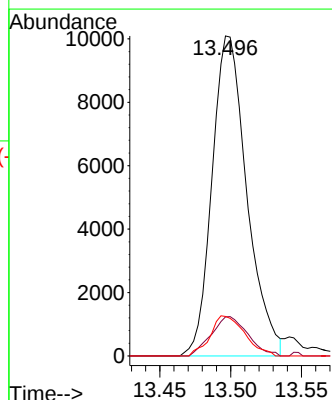
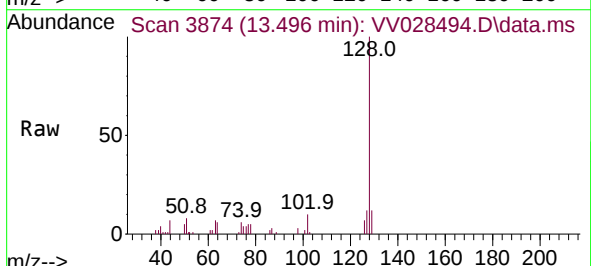
Tgt Ion:128 Resp: 17246

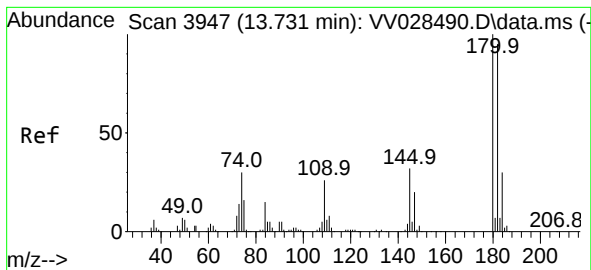
Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 12.4 8.9 13.3





#72

1,2,3-Trichlorobenzene

Concen: 1.692 ug/L

RT: 13.734 min Scan# 3947

Delta R.T. 0.003 min

Lab File: VV028494.D

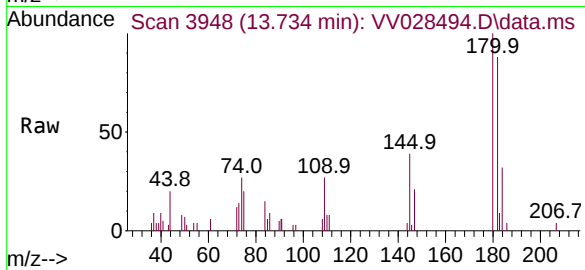
Acq: 10 Oct 2022 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07



Tgt Ion:180 Resp: 5138

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.0

145 37.6 26.5 39.7

