

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031682.D
 Acq On : 11 Jul 2023 16:30
 Operator : SY/MD
 Sample : 03573-05
 Misc : 5.00g/5.0uL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Jul 12 08:12:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	268241	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	287553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	136857	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	107886	44.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.880%
7) Chloroethane-d5	1.532	69	98954	56.322	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.640%
11) 1,1-Dichloroethene-d2	2.063	65	57219	52.905	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.820%
21) 2-Butanone-d5	3.789	46	169481	109.235	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.230%
24) Chloroform-d	4.256	84	240302	49.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.180%
26) 1,2-Dichloroethane-d4	4.947	65	157489	51.691	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.380%
32) Benzene-d6	4.966	84	422502	49.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	5.995	67	162342	58.238	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.480%
41) Toluene-d8	7.249	98	357680	46.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.280%
43) trans-1,3-Dichloroprop...	7.558	79	68317	49.080	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.160%
47) 2-Hexanone-d5	8.030	63	104426	97.735	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.730%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	204009	48.319	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.640%
66) 1,2-Dichlorobenzene-d4	11.567	152	141922	56.537	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	6977	2.092	ug/L	97
3) Chloromethane	1.217	50	6862	1.989	ug/L	87
5) Vinyl chloride	1.285	62	7575	2.345	ug/L	96
6) Bromomethane	1.487	94	4872	2.639	ug/L	85
8) Chloroethane	1.548	64	4301	2.414	ug/L	92
9) Trichlorofluoromethane	1.715	101	10562	2.282	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8098	3.039	ug/L #	81
12) 1,1-Dichloroethene	2.072	96	6699	2.892	ug/L #	1
13) Acetone	2.117	43	5221	3.894	ug/L	98
14) Carbon disulfide	2.243	76	17571	2.304	ug/L	98
15) Methyl Acetate	2.384	43	6299	2.229	ug/L #	72
16) Methylene chloride	2.452	84	7061	2.579	ug/L	90
17) trans-1,2-Dichloroethene	2.699	96	4632	1.958	ug/L	84
18) Methyl tert-butyl Ether	2.709	73	13635	1.894	ug/L #	93
19) 1,1-Dichloroethane	3.121	63	11288	2.334	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	5332	2.197	ug/L	90
22) 2-Butanone	3.905	43	3197	1.721	ug/L	83
23) Bromochloromethane	4.162	128	2288	1.734	ug/L	90
25) Chloroform	4.285	83	13076	2.636	ug/L	97

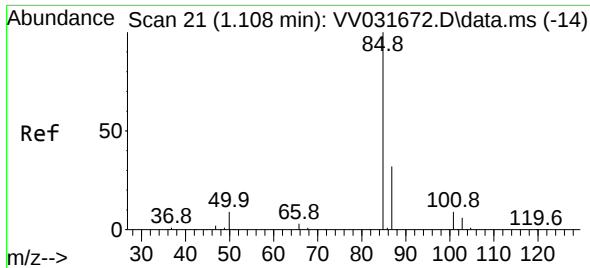
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	8901	2.415	ug/L	98
29) Cyclohexane	4.593	56	6491	1.722	ug/L	91
30) 1,1,1-Trichloroethane	4.516	97	4670	1.039	ug/L	96
31) Carbon tetrachloride	4.747	117	8829	2.217	ug/L	93
33) Benzene	5.024	78	20356	2.076	ug/L	100
34) Trichloroethene	5.841	95	6457	2.340	ug/L #	10
35) Methylcyclohexane	6.059	83	5516	1.469	ug/L #	70
37) 1,2-Dichloropropane	5.834	63	1281	0.467	ug/L	98
38) Bromodichloromethane	6.445	83	8462	2.277	ug/L #	88
39) cis-1,3-Dichloropropene	6.966	75	7792	1.879	ug/L	95
40) 4-Methyl-2-pentanone	7.172	43	11869	3.481	ug/L	91
42) Toluene	7.329	91	18582	1.835	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	7723	1.867	ug/L	100
45) 1,1,2-Trichloroethane	7.783	97	5823	2.145	ug/L	91
46) Tetrachloroethene	7.915	164	4234	2.018	ug/L	90
48) 2-Hexanone	8.095	43	13077	4.563	ug/L	98
49) Dibromochloromethane	8.185	129	6194	2.055	ug/L	92
50) 1,2-Dibromoethane	8.294	107	6371	2.130	ug/L #	97
51) Chlorobenzene	8.821	112	13713	2.043	ug/L	90
52) Ethylbenzene	8.956	91	19576	1.777	ug/L	96
53) m,p-Xylene	9.085	106	6925	1.705	ug/L	81
54) o-Xylene	9.490	106	6031	1.603	ug/L	96
55) Styrene	9.509	104	9458	1.366	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	9740	2.311	ug/L #	87
59) Bromoform	9.673	173	4328	2.475	ug/L #	92
60) Isopropylbenzene	9.876	105	14622	1.750	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	8575	3.013	ug/L	91
62) 1,3,5-Trimethylbenzene	10.484	105	12326	1.805	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	11301	1.662	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	9398	2.165	ug/L	94
65) 1,4-Dichlorobenzene	11.217	146	10801	2.294	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	10896	2.448	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.371	75	2047	2.357	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.590	180	6874	2.114	ug/L	89
70) 1,2,4-trichlorobenzene	13.207	180	6369	2.210	ug/L	95
71) Naphthalene	13.448	128	15566	1.867	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.689	180	5968	1.976	ug/L	96

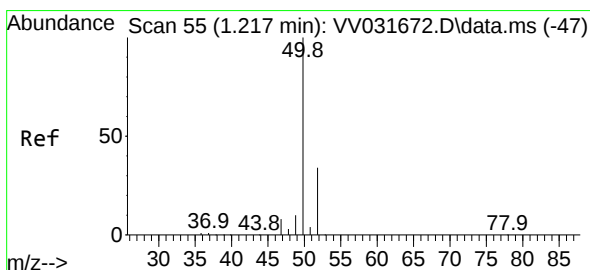
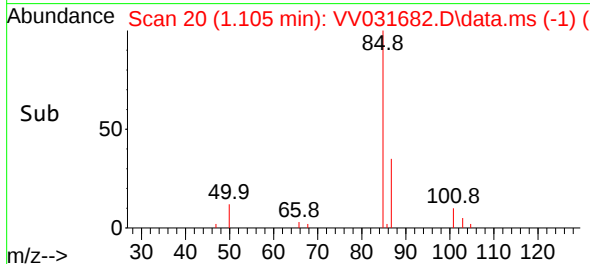
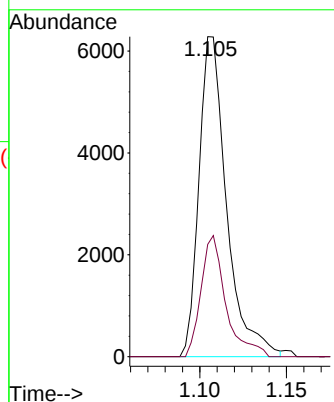
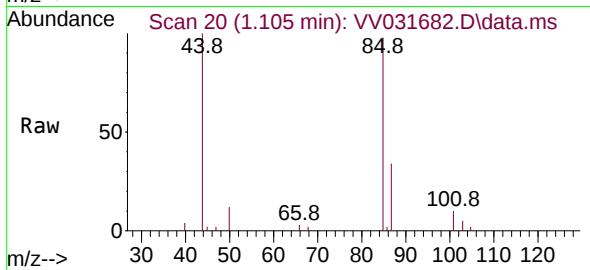
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 2.092 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

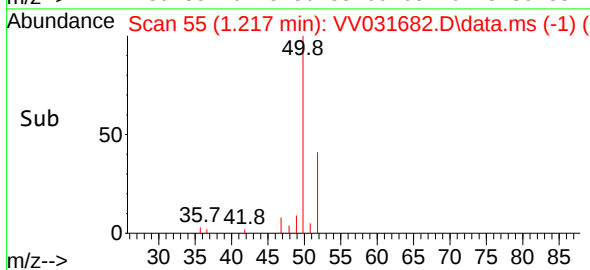
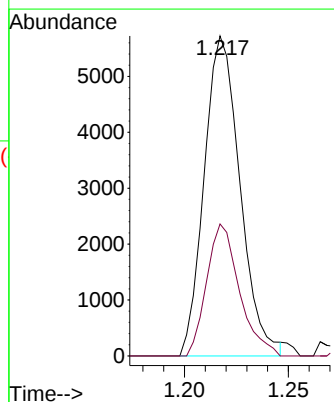
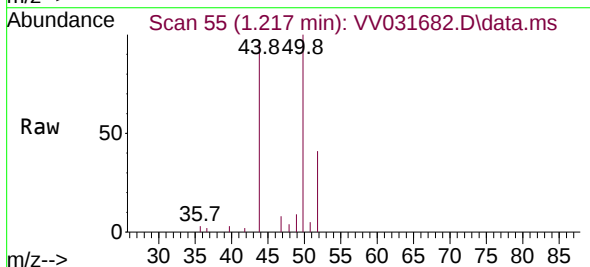
Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT3-2023-05

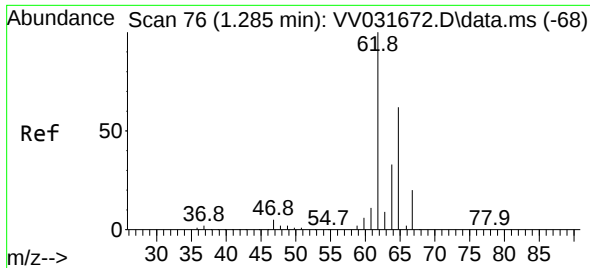
Tgt Ion: 85 Resp: 6977
 Ion Ratio Lower Upper
 85 100
 87 34.0 25.8 38.6



#3
 Chloromethane
 Concen: 1.989 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

Tgt Ion: 50 Resp: 6862
 Ion Ratio Lower Upper
 50 100
 52 41.3 23.7 44.1

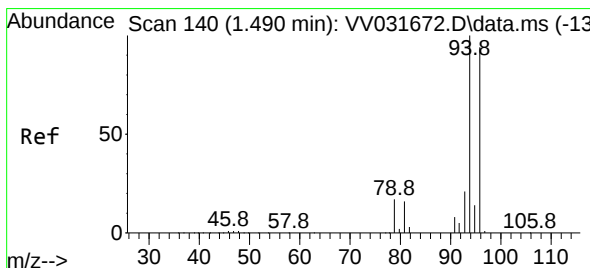
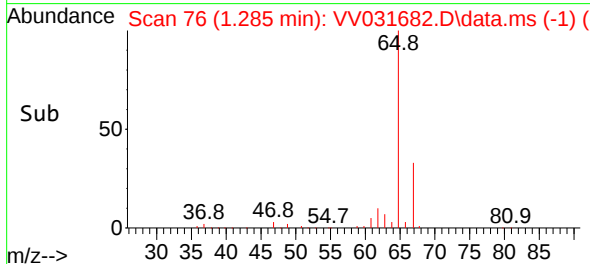
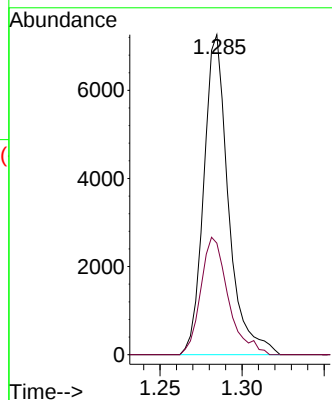
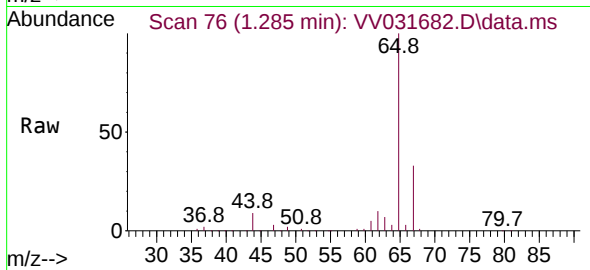




#5
 Vinyl chloride
 Concen: 2.345 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

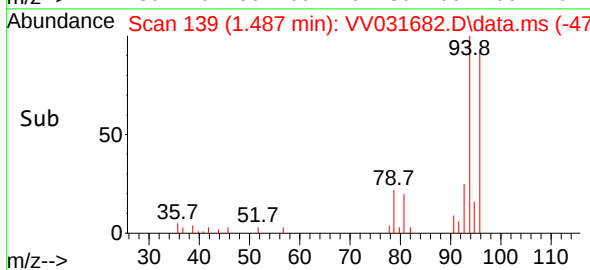
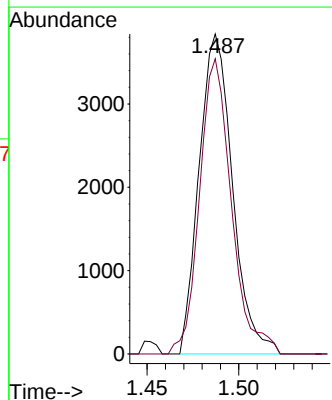
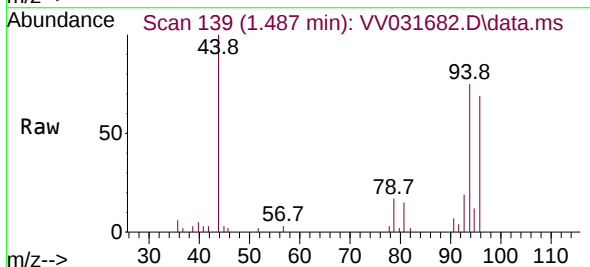
Instrument :
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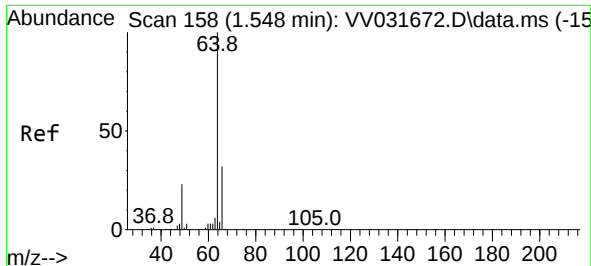
Tgt Ion: 62 Resp: 7575
 Ion Ratio Lower Upper
 62 100
 64 34.9 22.9 42.5



#6
 Bromomethane
 Concen: 2.639 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

Tgt Ion: 94 Resp: 4872
 Ion Ratio Lower Upper
 94 100
 96 79.3 65.7 121.9

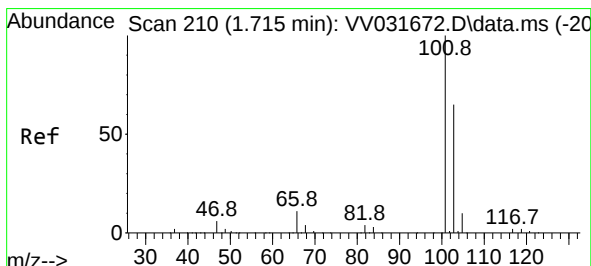
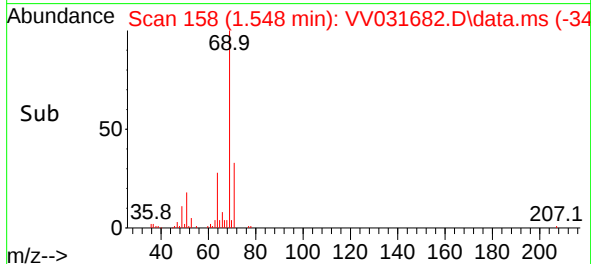
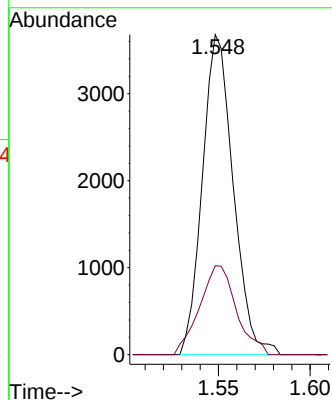
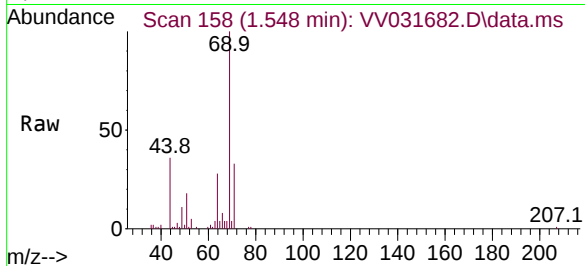




#8
Chloroethane
Concen: 2.414 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

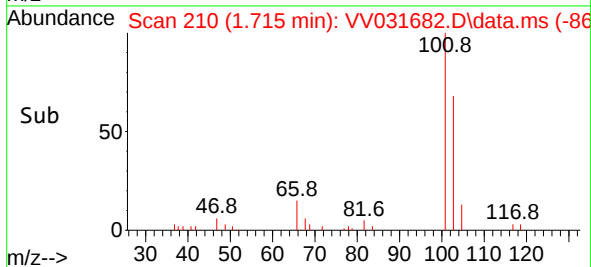
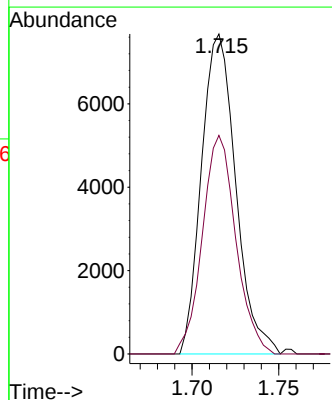
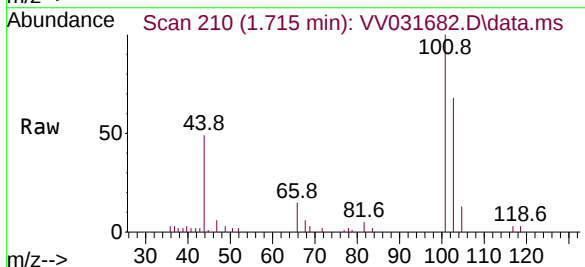
Instrument :
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MDL-MED-SOIL-QT3-2023-05

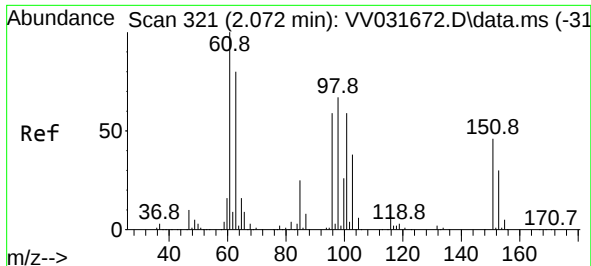
Tgt Ion: 64 Resp: 4301
Ion Ratio Lower Upper
64 100
66 27.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.282 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:101 Resp: 10562
Ion Ratio Lower Upper
101 100
103 66.6 51.7 77.5

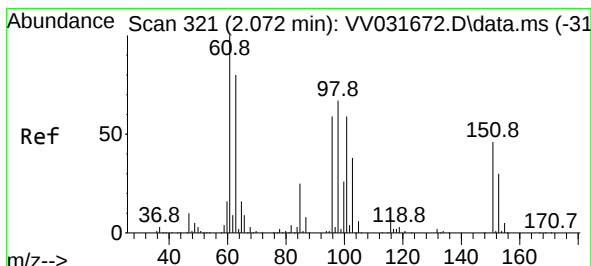
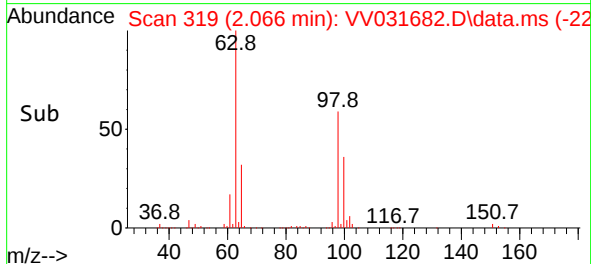
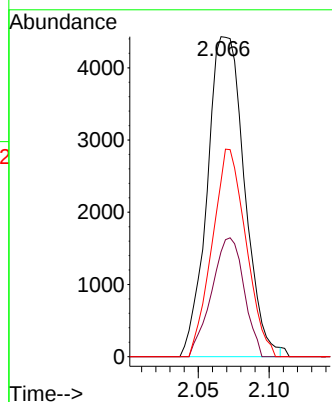
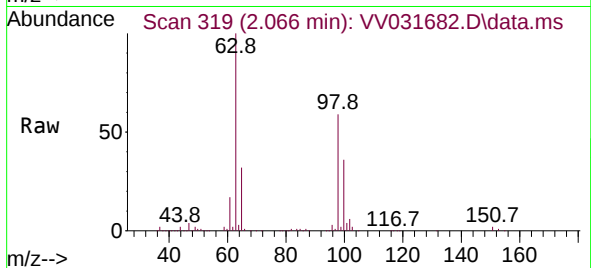




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.039 ug/L
RT: 2.066 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

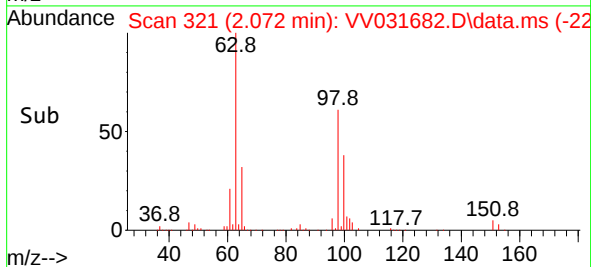
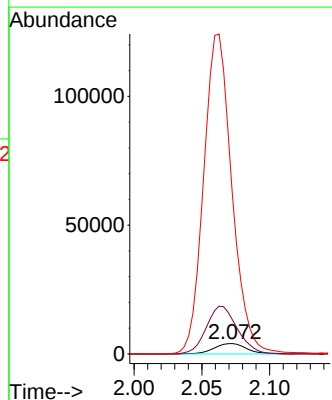
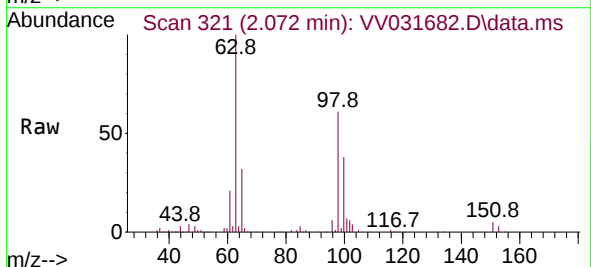
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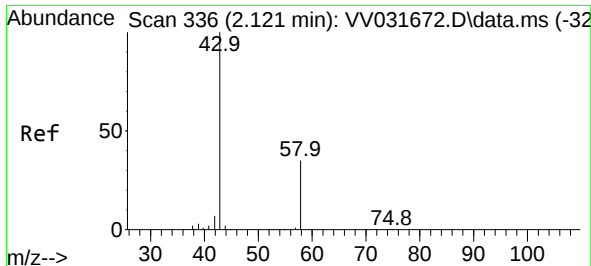
Tgt Ion:101 Resp: 8098
Ion Ratio Lower Upper
101 100
85 32.2 33.9 50.9#
151 58.8 61.0 91.6#



#12
1,1-Dichloroethene
Concen: 2.892 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 96 Resp: 6699
Ion Ratio Lower Upper
96 100
61 333.5 118.3 219.7#
63 1558.1 96.8 179.8#





#13

Acetone

Concen: 3.894 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

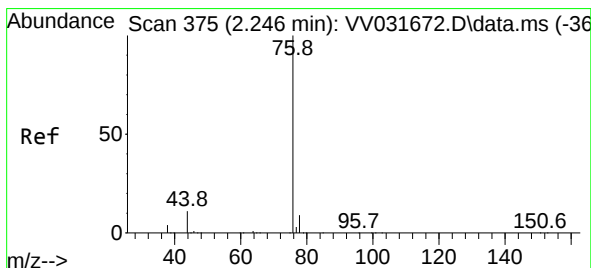
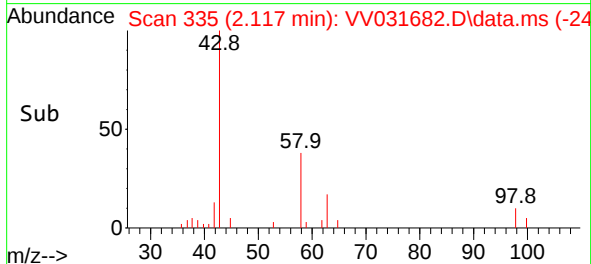
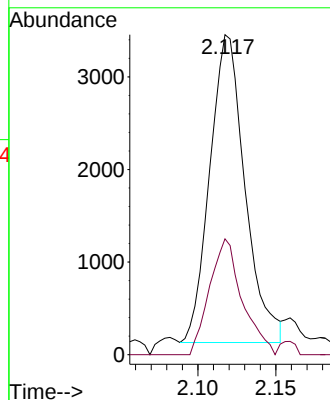
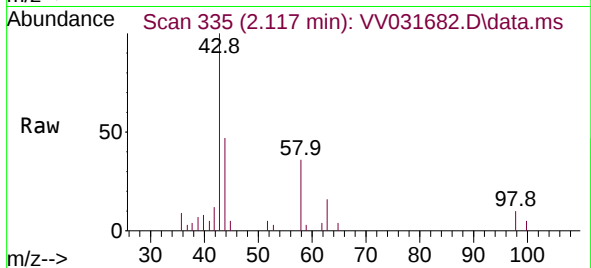
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 5221

Ion Ratio Lower Upper

43 100

58 34.8 0.0 72.0



#14

Carbon disulfide

Concen: 2.304 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031682.D

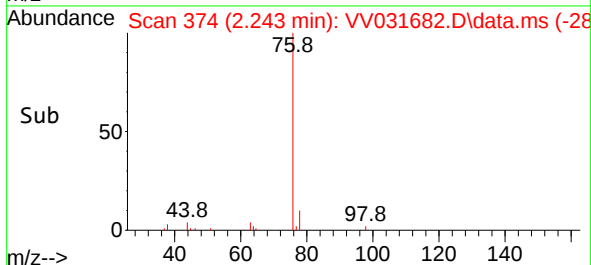
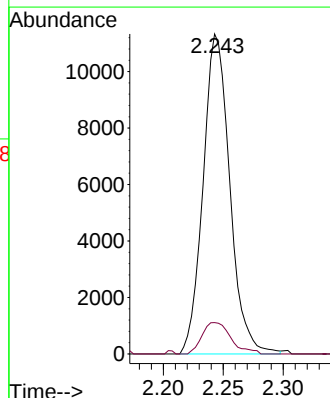
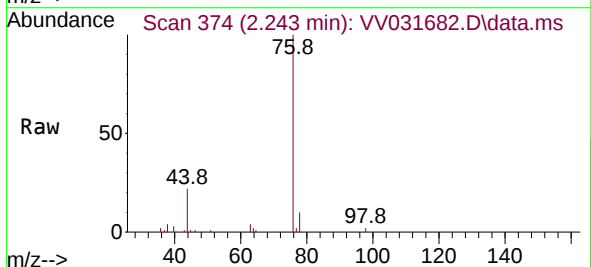
Acq: 11 Jul 2023 16:30

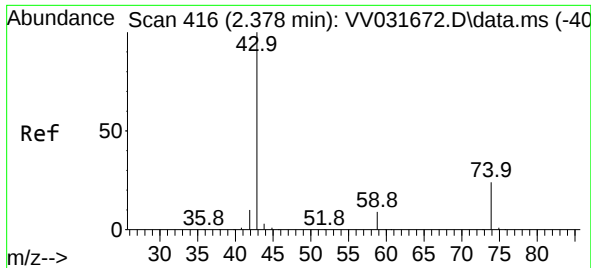
Tgt Ion: 76 Resp: 17571

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0

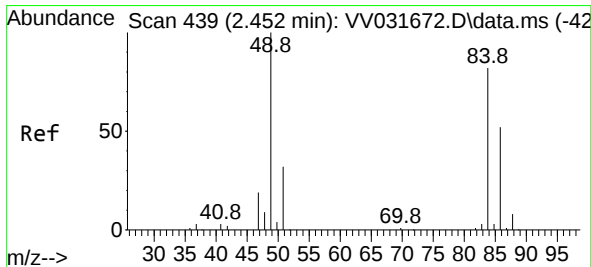
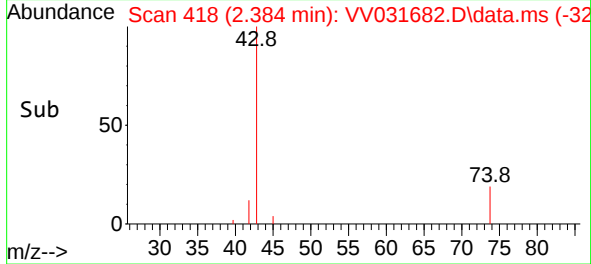
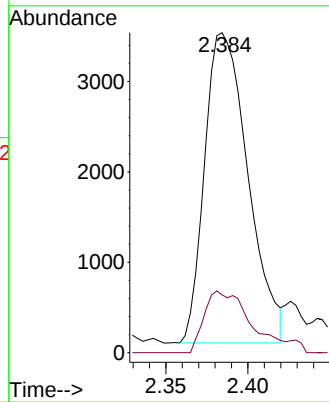
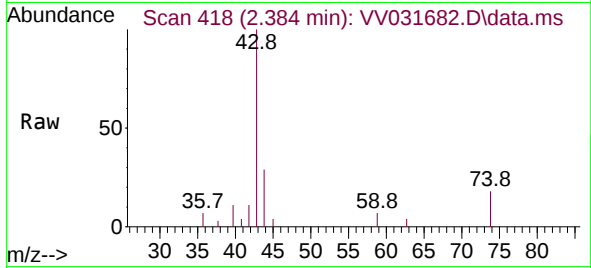




#15
Methyl Acetate
Concen: 2.229 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

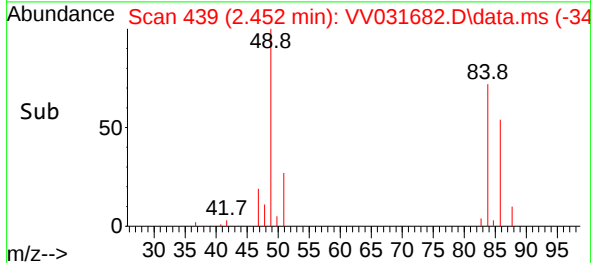
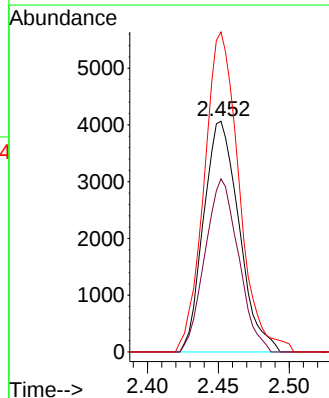
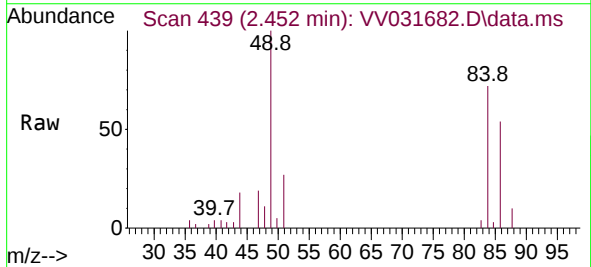
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

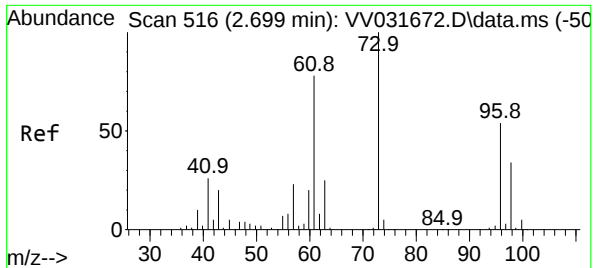
Tgt Ion: 43 Resp: 6299
Ion Ratio Lower Upper
43 100
74 10.7 19.5 29.3#



#16
Methylene chloride
Concen: 2.579 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 84 Resp: 7061
Ion Ratio Lower Upper
84 100
86 71.9 44.5 82.7
49 133.0 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 1.958 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

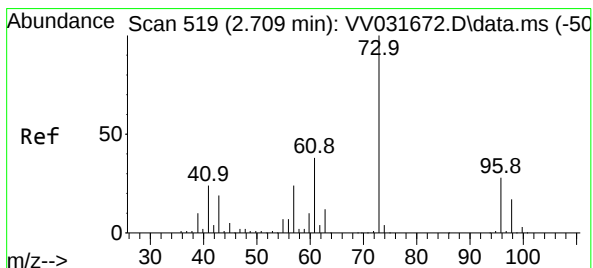
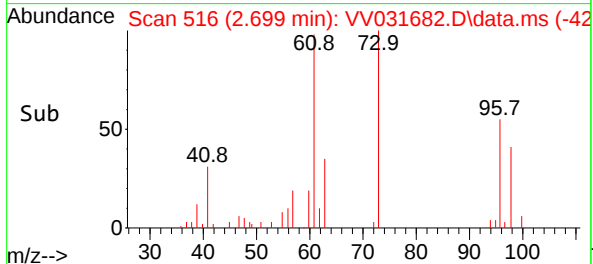
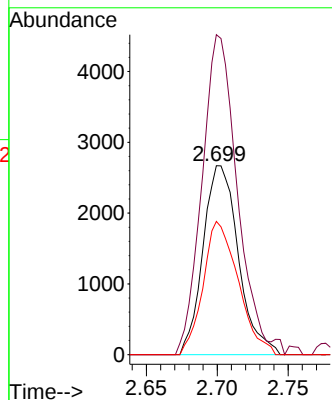
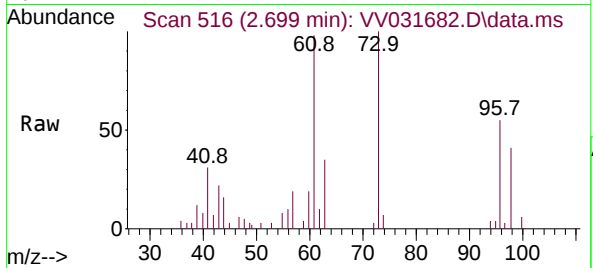
Tgt Ion: 96 Resp: 4632

Ion Ratio Lower Upper

96 100

61 169.4 101.6 188.6

98 70.5 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 1.894 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

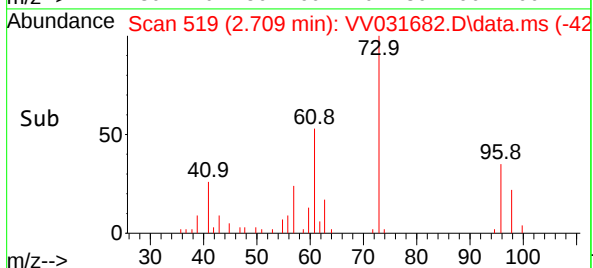
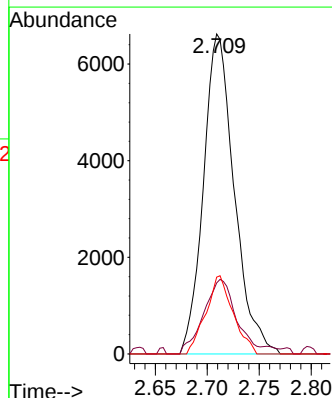
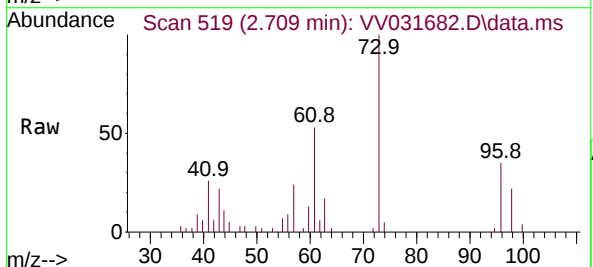
Tgt Ion: 73 Resp: 13635

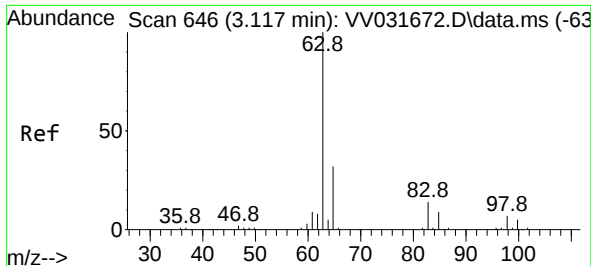
Ion Ratio Lower Upper

73 100

43 24.6 15.0 22.4#

57 21.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 2.334 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

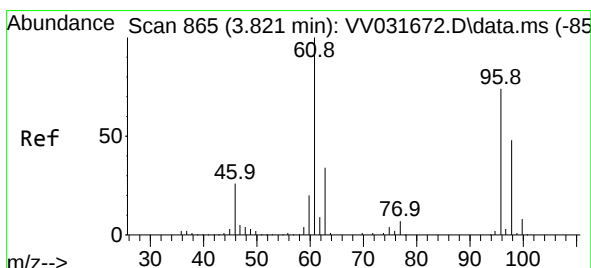
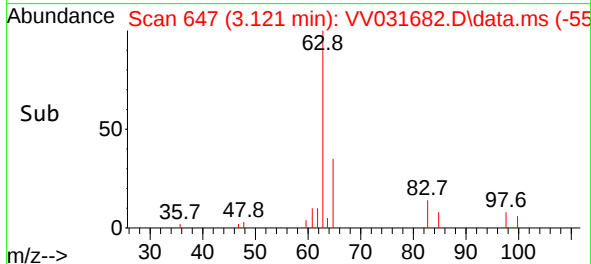
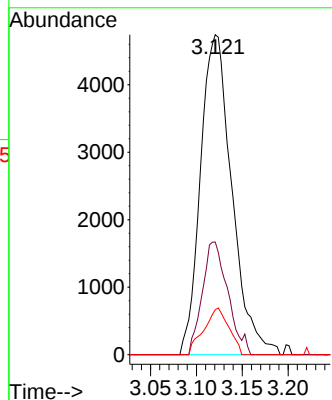
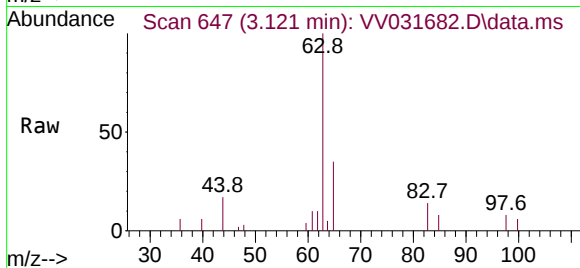
Tgt Ion: 63 Resp: 11288

Ion Ratio Lower Upper

63 100

65 33.6 22.3 41.5

83 13.4 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 2.197 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.006 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

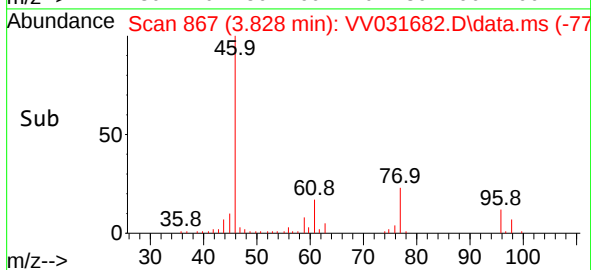
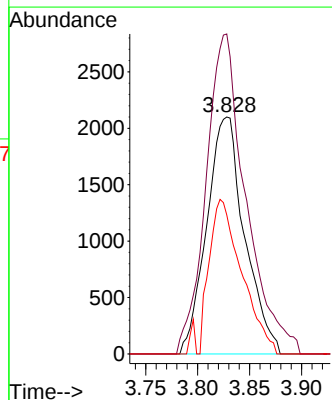
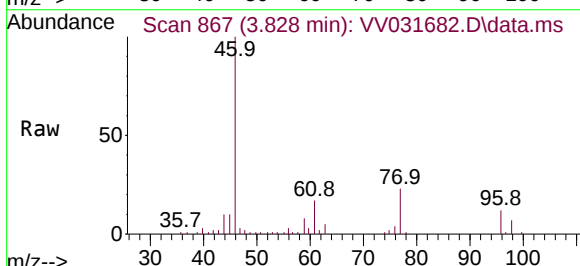
Tgt Ion: 96 Resp: 5332

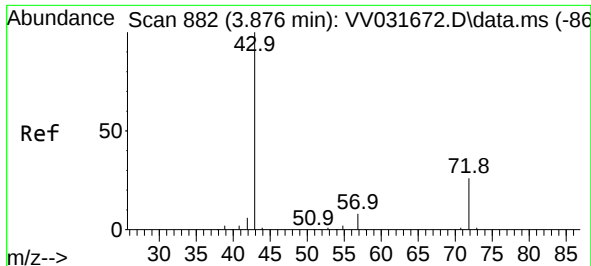
Ion Ratio Lower Upper

96 100

61 140.5 90.6 168.2

98 55.0 43.8 81.3

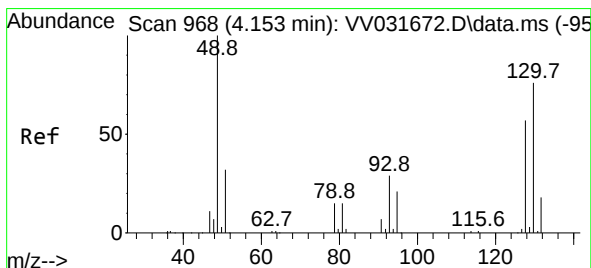
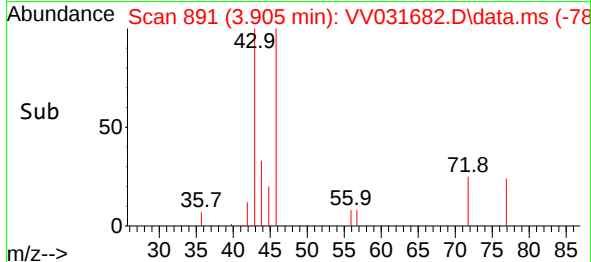
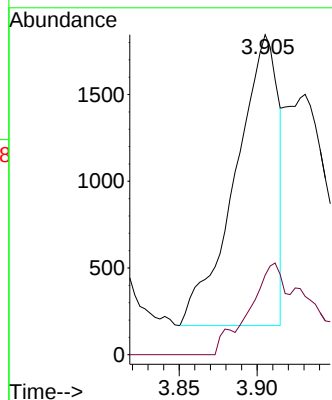
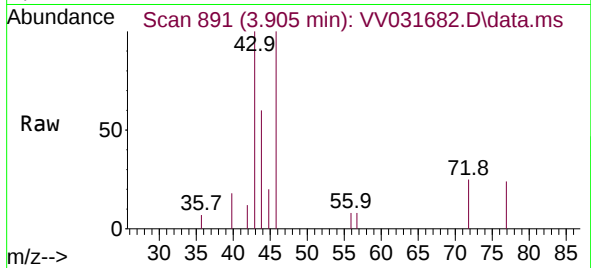




#22
2-Butanone
Concen: 1.721 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.029 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

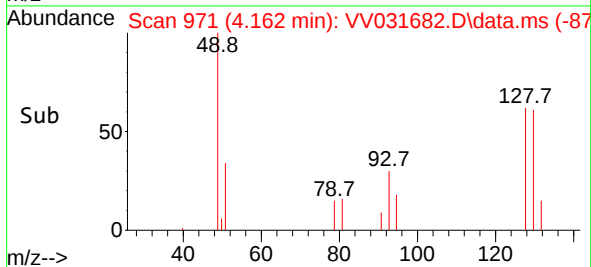
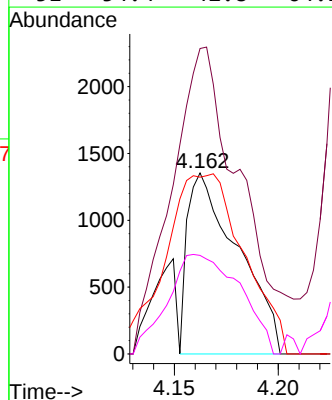
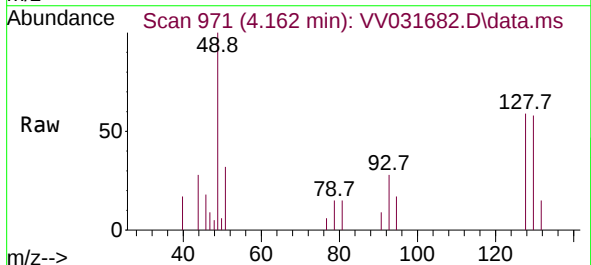
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

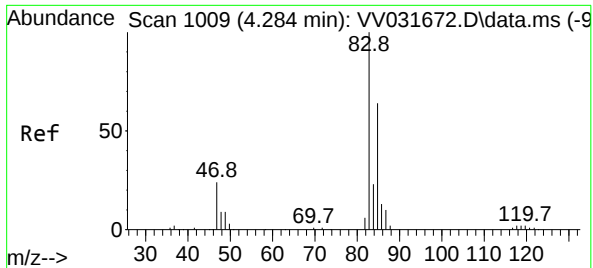
Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
72 16.9 12.7 38.0



#23
Bromochloromethane
Concen: 1.734 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:128 Resp: 2288
Ion Ratio Lower Upper
128 100
49 168.8 117.9 218.9
130 97.7 89.1 165.5
51 54.4 42.8 64.2

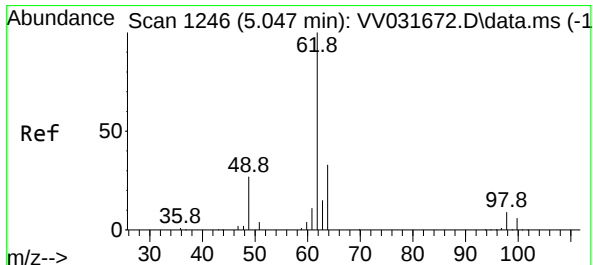
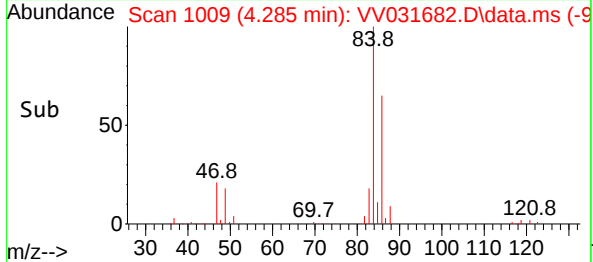
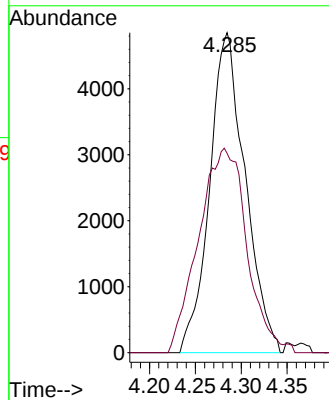
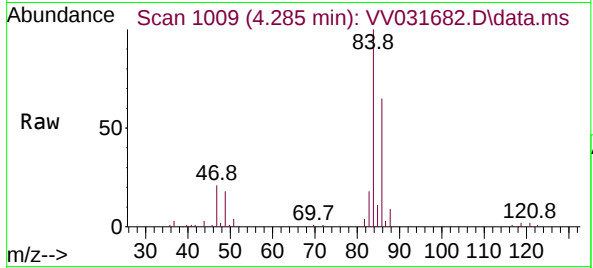




#25
Chloroform
Concen: 2.636 ug/L
RT: 4.285 min Scan# 110
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

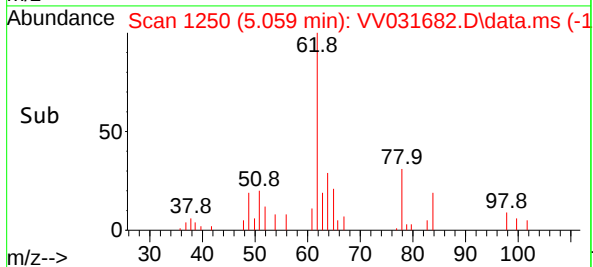
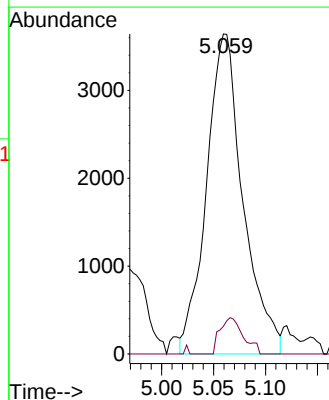
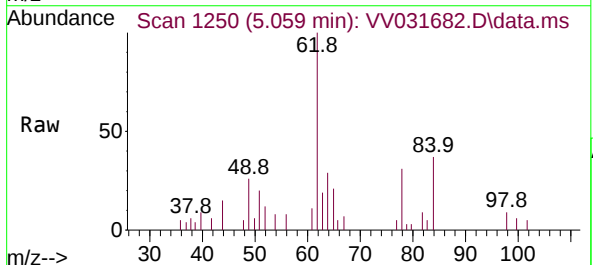
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

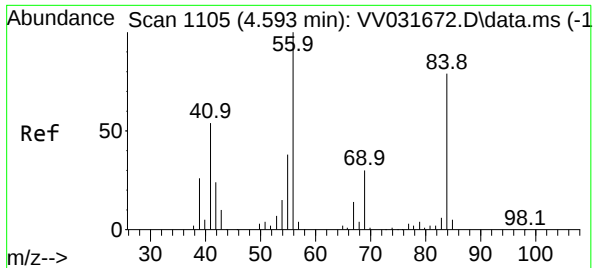
Tgt Ion: 83 Resp: 13076
Ion Ratio Lower Upper
83 100
85 62.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 2.415 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. 0.013 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 62 Resp: 8901
Ion Ratio Lower Upper
62 100
98 8.6 7.5 11.3

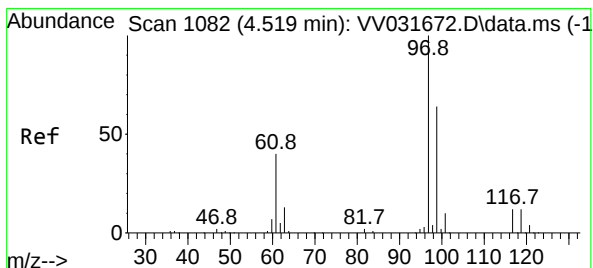
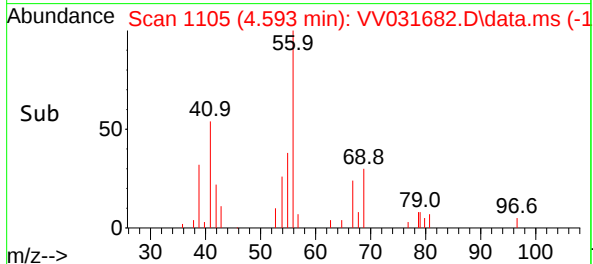
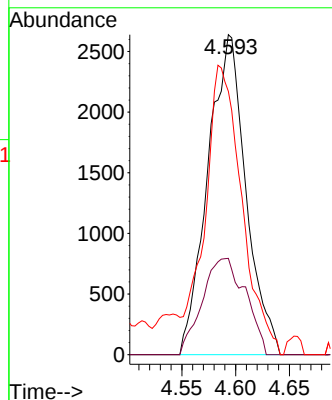
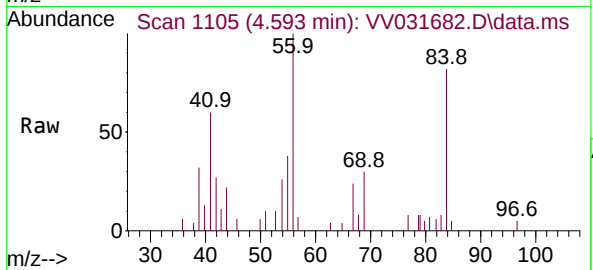




#29
Cyclohexane
Concen: 1.722 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

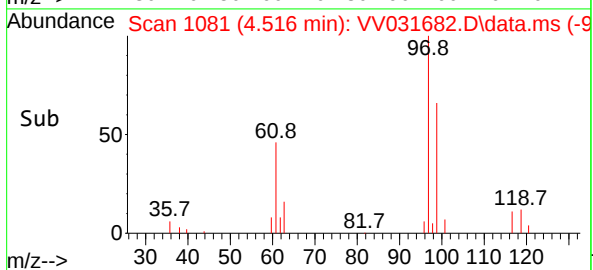
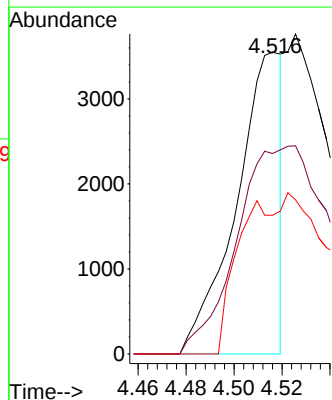
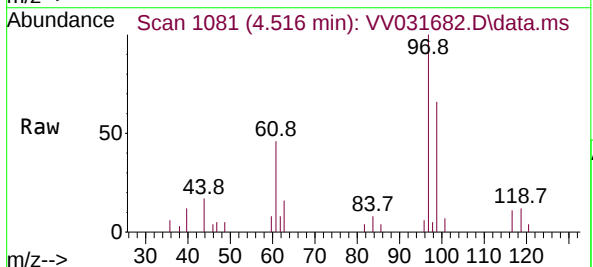
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

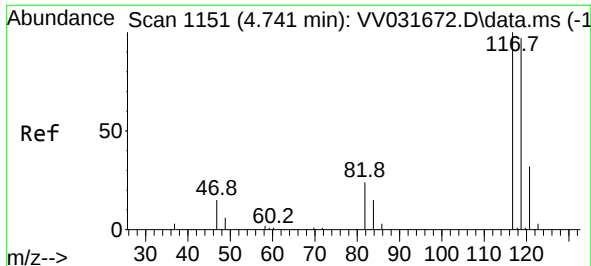
Tgt Ion:	56	Resp:	6491
Ion Ratio	Lower	Upper	
56	100		
69	26.5	24.1	36.1
84	88.1	63.6	95.4



#30
1,1,1-Trichloroethane
Concen: 1.039 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:	97	Resp:	4670
Ion Ratio	Lower	Upper	
97	100		
99	59.6	51.5	77.3
61	41.3	32.2	48.2

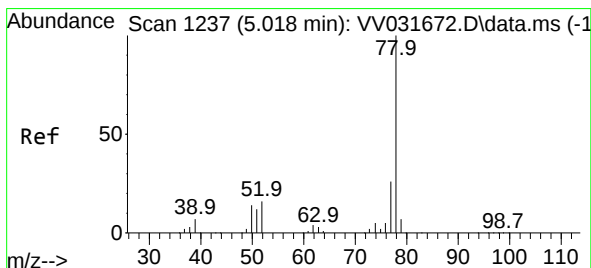
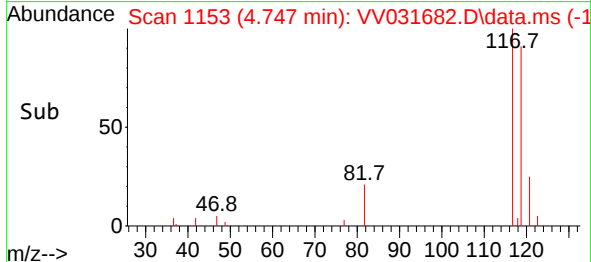
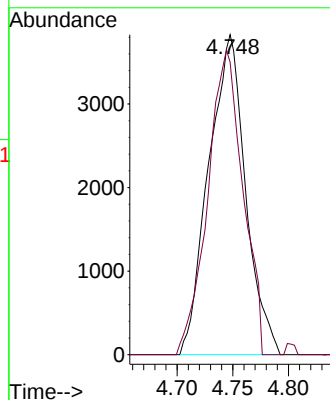
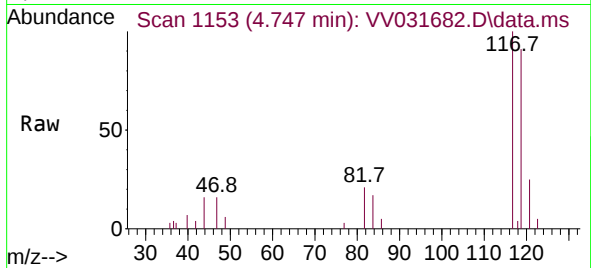




#31
Carbon tetrachloride
Concen: 2.217 ug/L
RT: 4.747 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

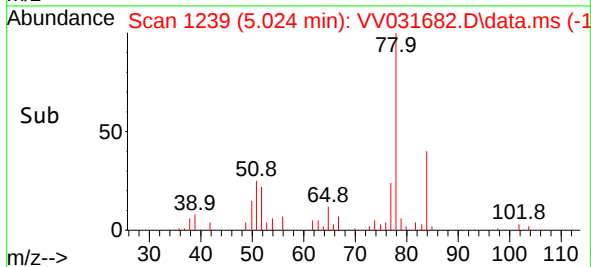
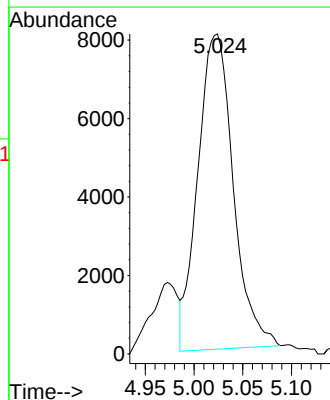
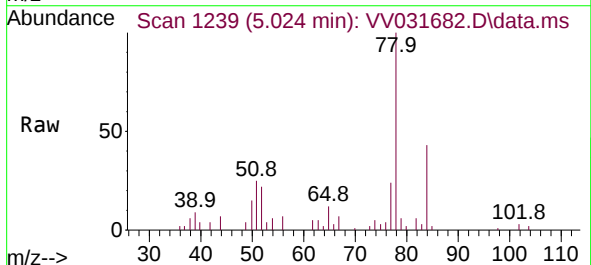
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

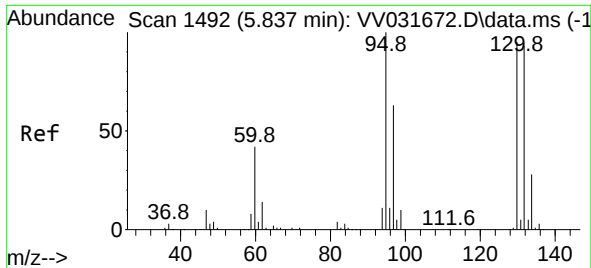
Tgt Ion:117 Resp: 8829
Ion Ratio Lower Upper
117 100
119 90.7 78.0 117.0



#33
Benzene
Concen: 2.076 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 78 Resp: 20356

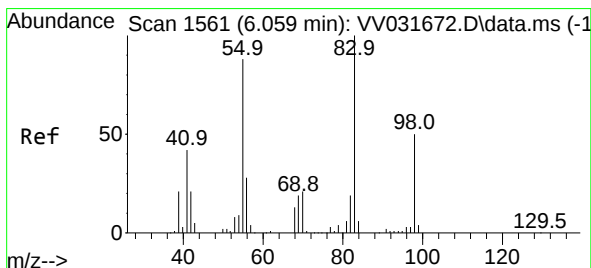
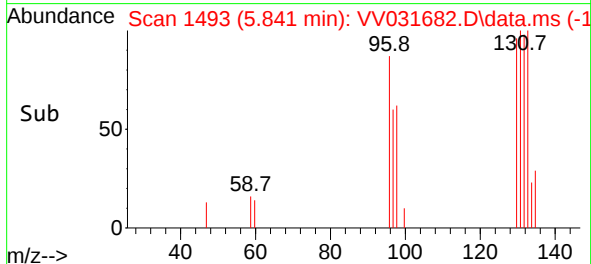
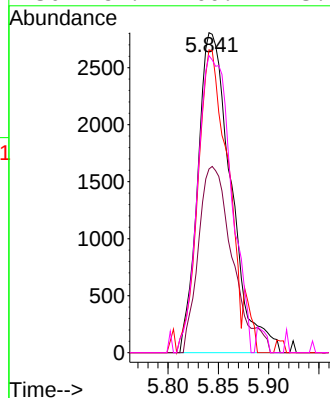
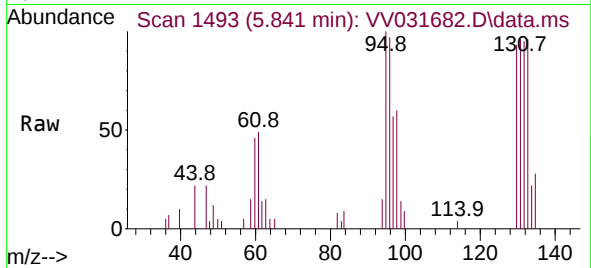




#34
Trichloroethene
Concen: 2.340 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

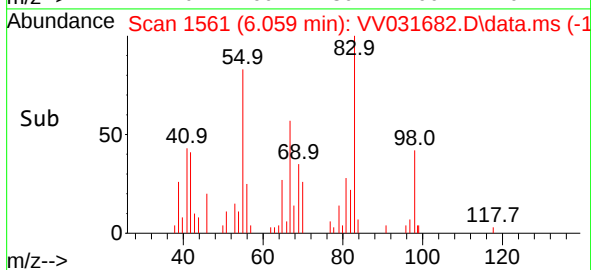
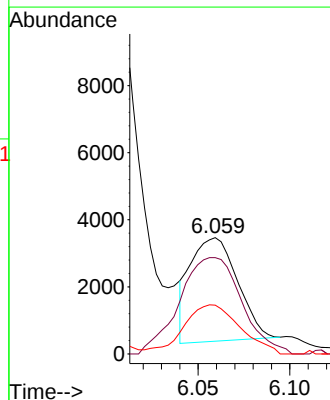
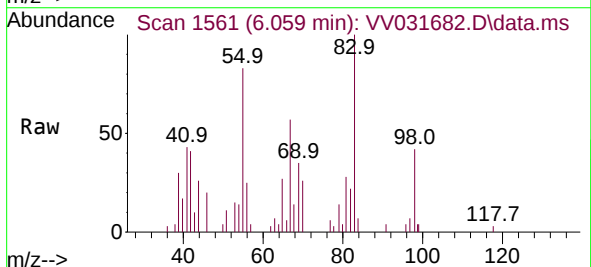
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

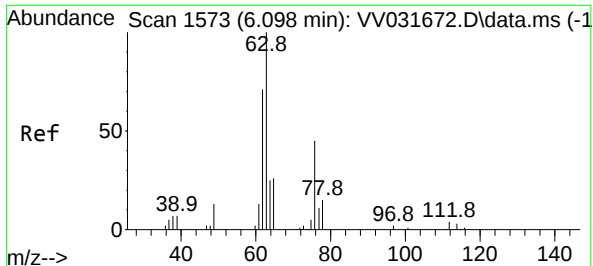
Tgt Ion: 95 Resp: 6457
Ion Ratio Lower Upper
95 100
97 117.4 47.0 87.2#
132 190.8 64.8 120.4#
130 189.2 66.4 123.4#



#35
Methylcyclohexane
Concen: 1.469 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 83 Resp: 5516
Ion Ratio Lower Upper
83 100
55 122.9 69.4 104.2#
98 57.4 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.467 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.264 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

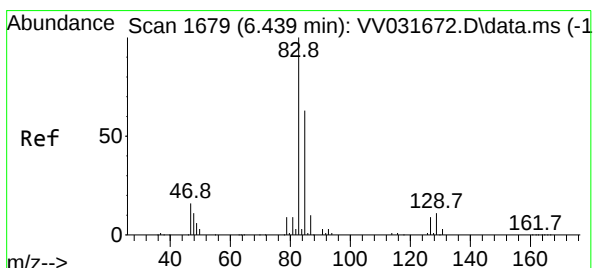
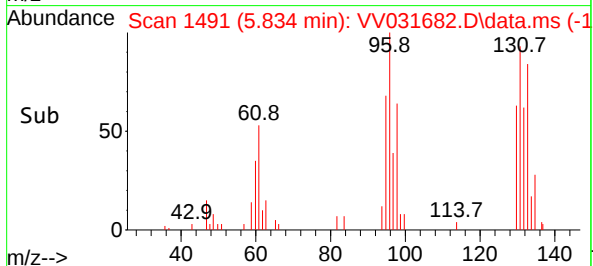
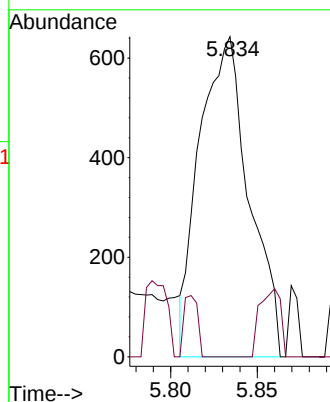
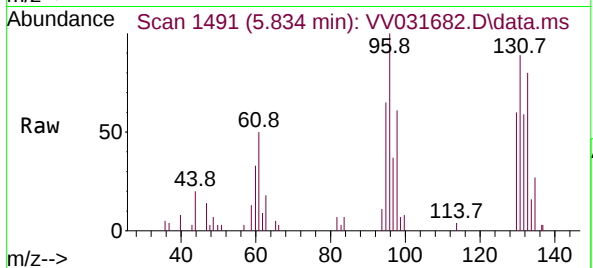
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 63 Resp: 1281

Ion Ratio Lower Upper

63 100

112 5.3 3.7 5.5



#38

Bromodichloromethane

Concen: 2.277 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

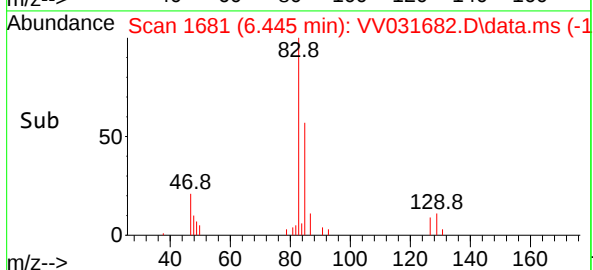
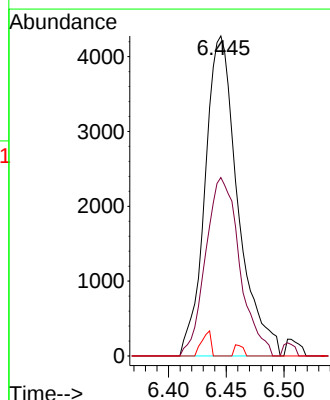
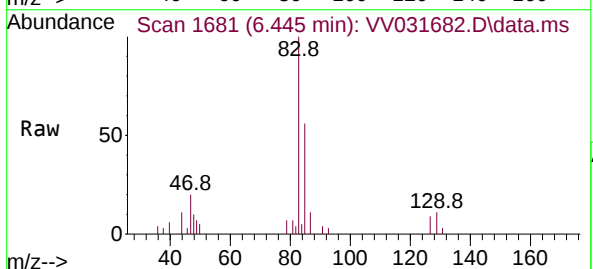
Tgt Ion: 83 Resp: 8462

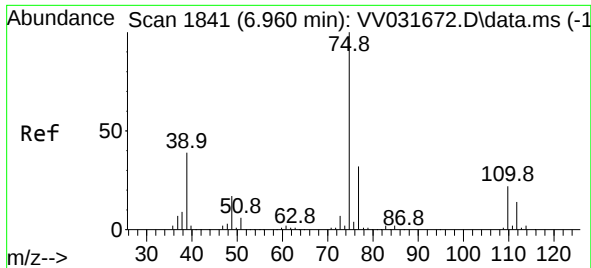
Ion Ratio Lower Upper

83 100

85 55.8 44.2 82.0

127 0.0 7.8 11.6#





#39

cis-1,3-Dichloropropene

Concen: 1.879 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

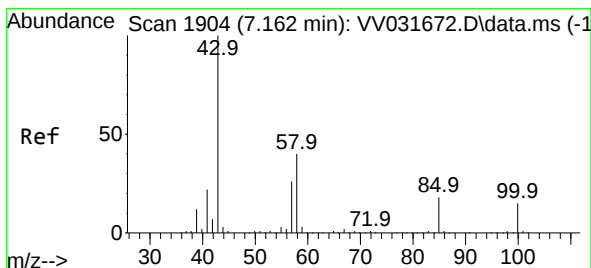
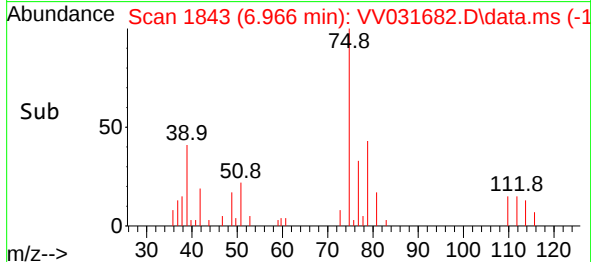
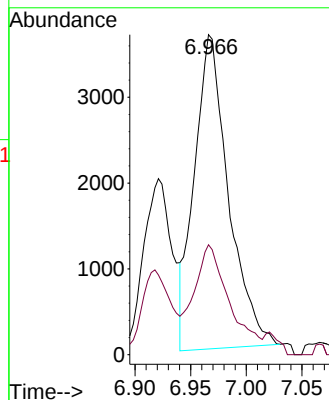
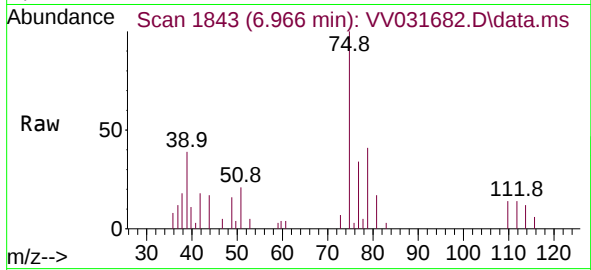
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 75 Resp: 7792

Ion Ratio Lower Upper

75 100

77 34.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 3.481 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

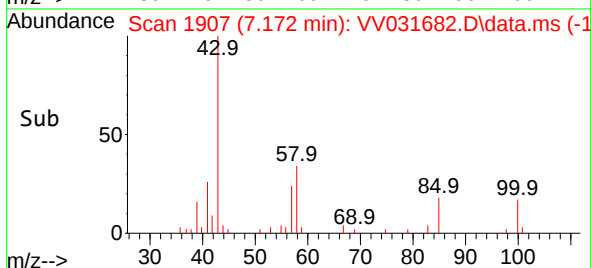
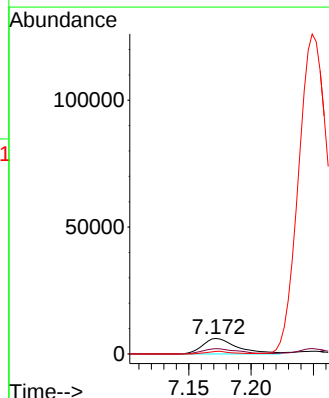
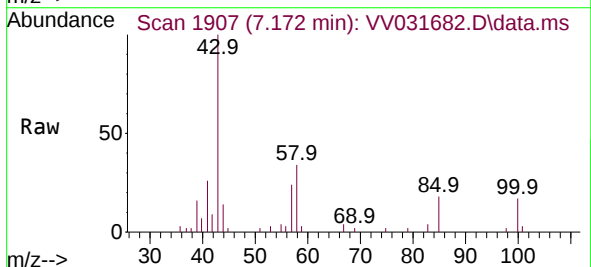
Tgt Ion: 43 Resp: 11869

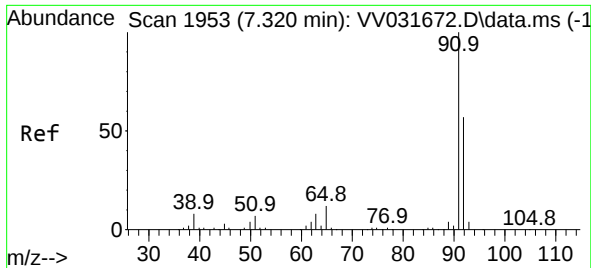
Ion Ratio Lower Upper

43 100

58 33.9 32.1 48.1

100 12.7 12.1 18.1





#42

Toluene

Concen: 1.835 ug/L

RT: 7.329 min Scan# 1953

Delta R.T. 0.010 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

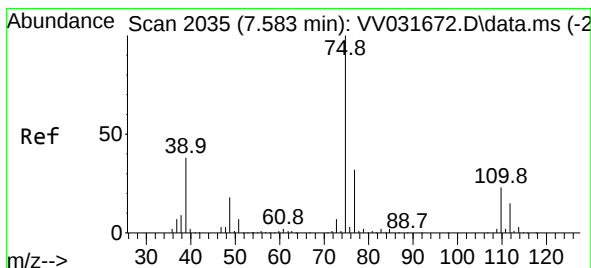
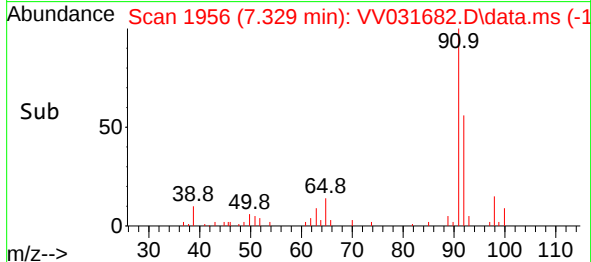
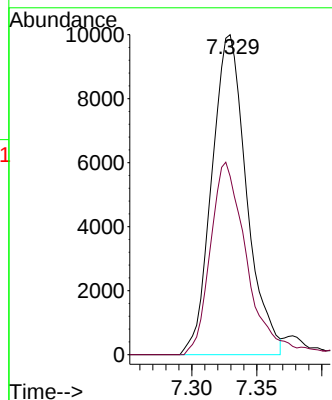
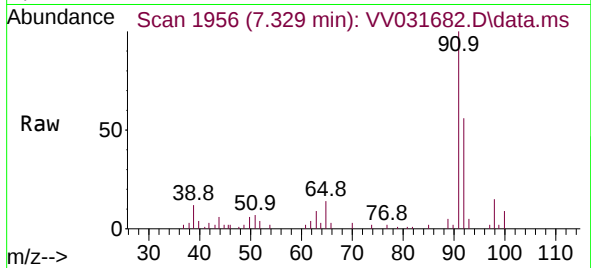
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 91 Resp: 18582

Ion Ratio Lower Upper

91 100

92 55.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 1.867 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.013 min

Lab File: VV031682.D

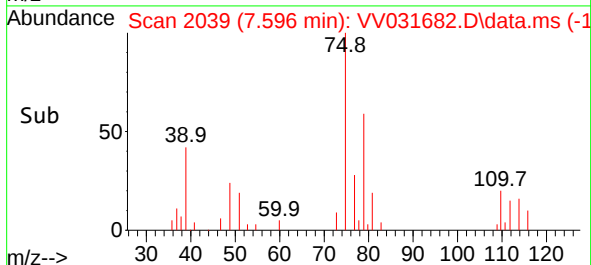
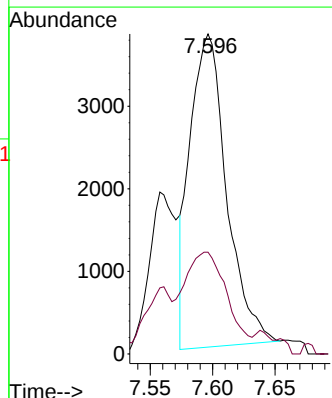
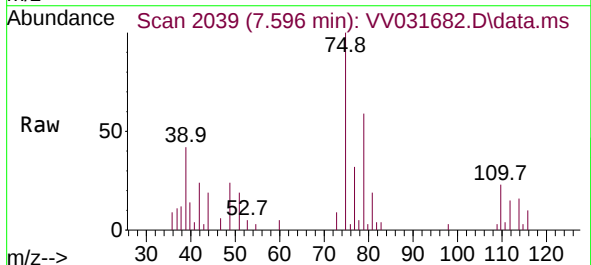
Acq: 11 Jul 2023 16:30

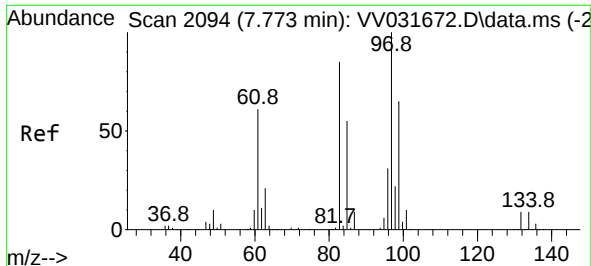
Tgt Ion: 75 Resp: 7723

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

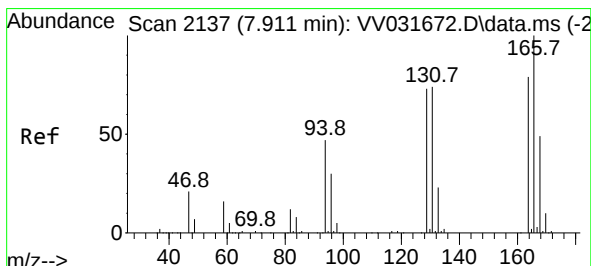
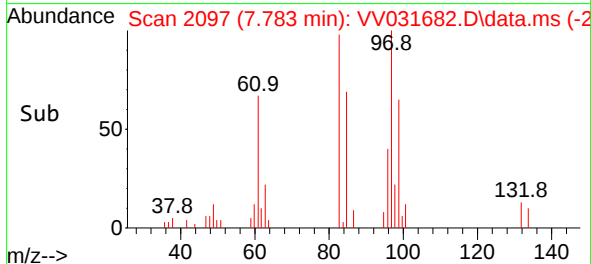
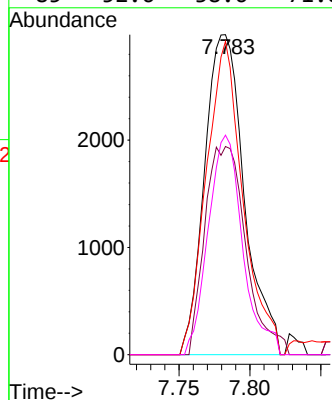
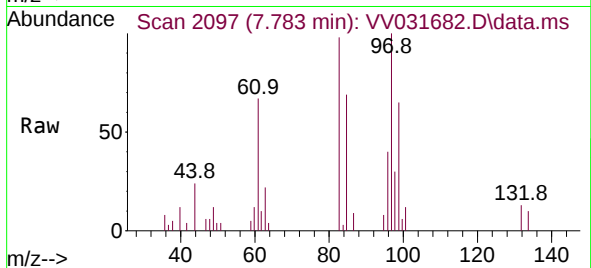




#45
1,1,2-Trichloroethane
Concen: 2.145 ug/L
RT: 7.783 min Scan# 2094
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

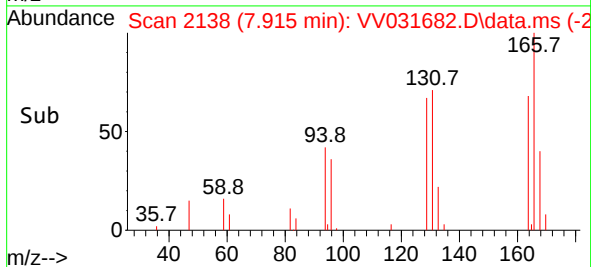
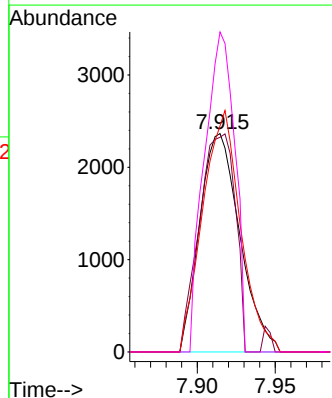
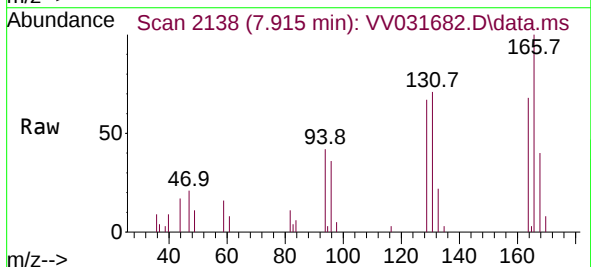
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

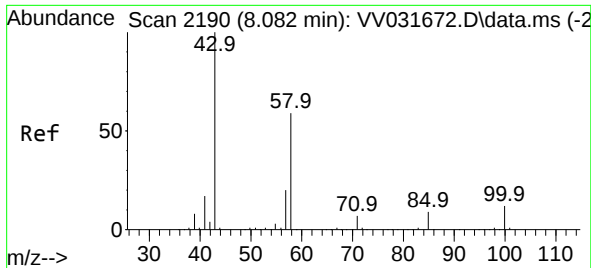
Tgt Ion:	97	Resp:	5823
Ion	Ratio	Lower	Upper
97	100		
99	54.8	45.2	84.0
83	75.1	59.5	110.5
85	52.6	38.6	71.8



#46
Tetrachloroethene
Concen: 2.018 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:	164	Resp:	4234
Ion	Ratio	Lower	Upper
164	100		
129	98.3	65.2	121.0
131	103.6	67.1	124.7
166	146.6	91.4	169.8

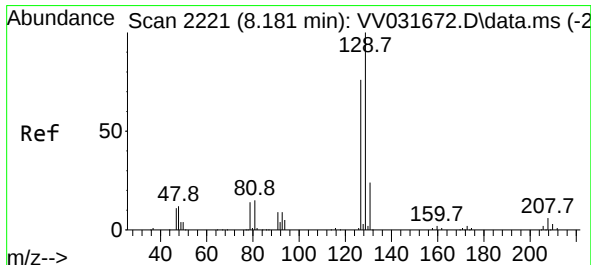
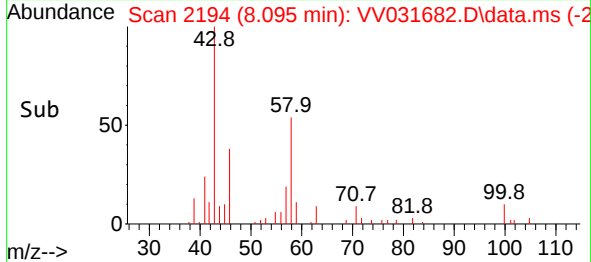
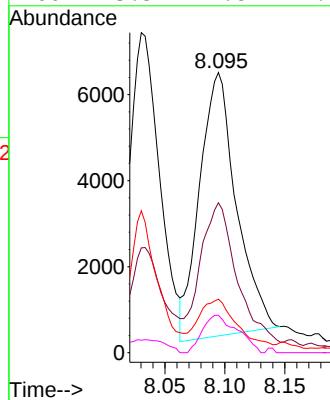
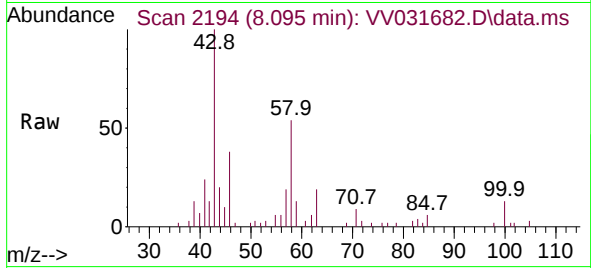




#48
2-Hexanone
Concen: 4.563 ug/L
RT: 8.095 min Scan# 2190
Delta R.T. 0.013 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

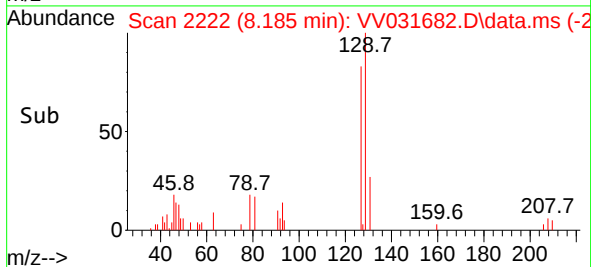
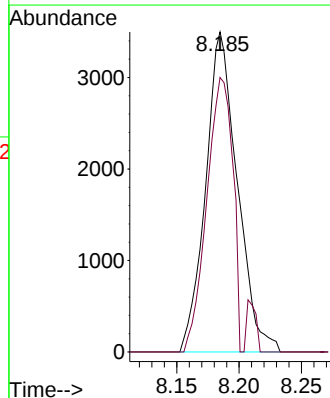
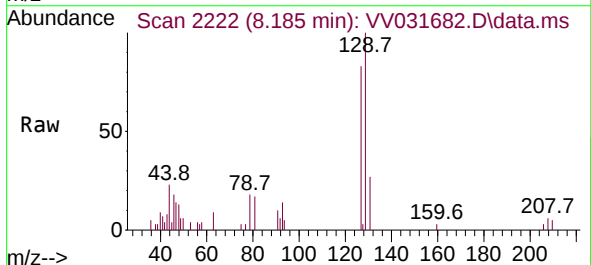
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

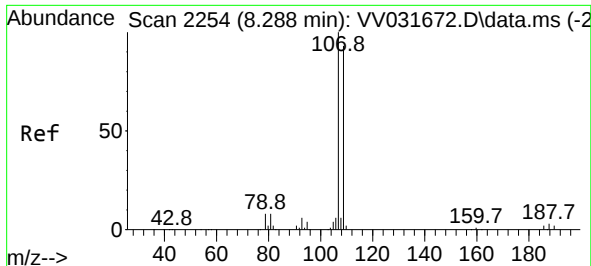
Tgt Ion:	43	Resp:	13077
Ion	Ratio	Lower	Upper
43	100		
58	60.0	46.3	69.5
57	20.9	16.8	25.2
100	13.5	9.8	14.8



#49
Dibromochloromethane
Concen: 2.055 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:	129	Resp:	6194
Ion	Ratio	Lower	Upper
129	100		
127	85.8	55.2	102.6

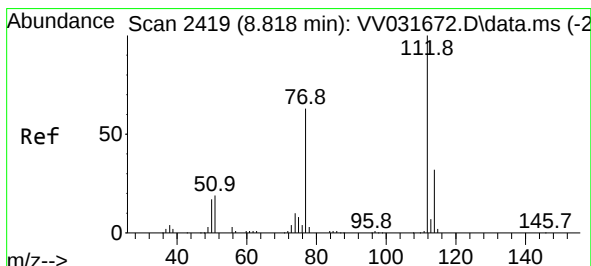
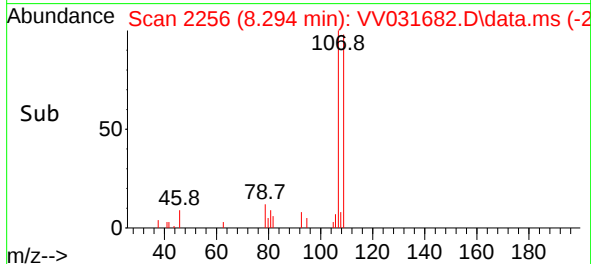
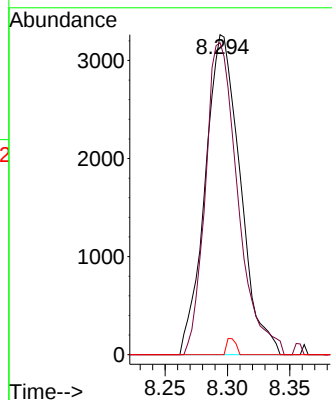
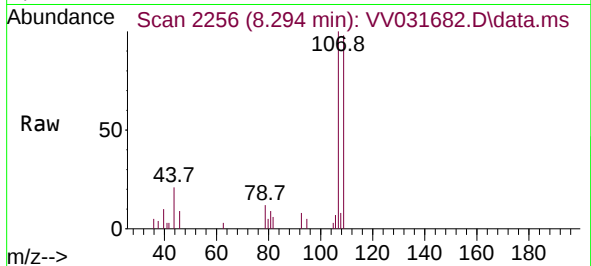




#50
1,2-Dibromoethane
Concen: 2.130 ug/L
RT: 8.294 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

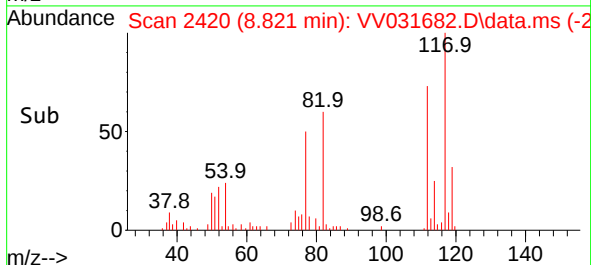
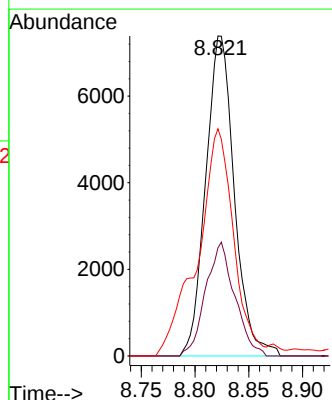
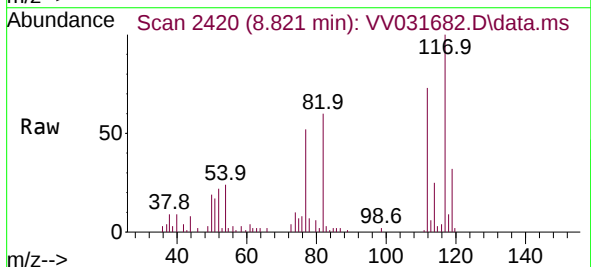
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

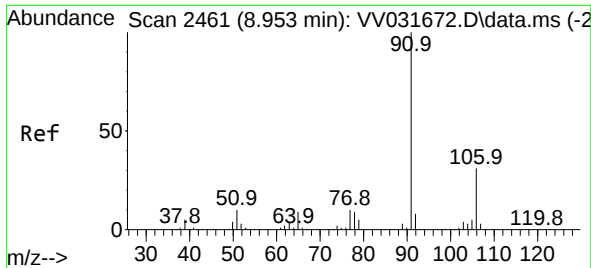
Tgt Ion:107 Resp: 6371
Ion Ratio Lower Upper
107 100
109 90.7 65.4 121.4
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 2.043 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:112 Resp: 13713
Ion Ratio Lower Upper
112 100
114 37.6 22.2 41.2
77 71.0 50.6 76.0

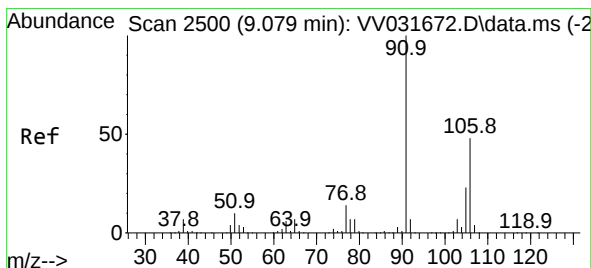
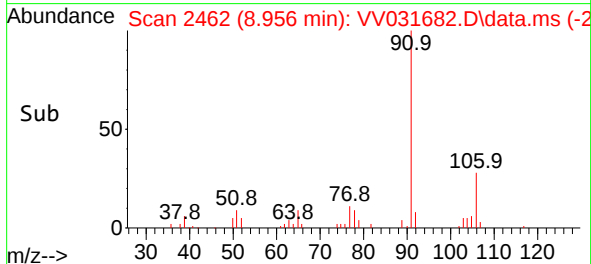
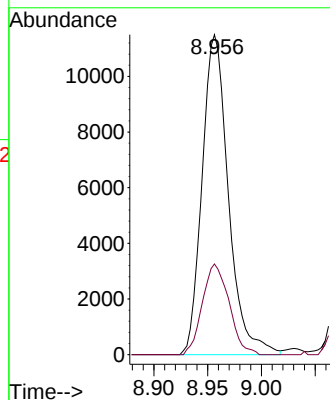
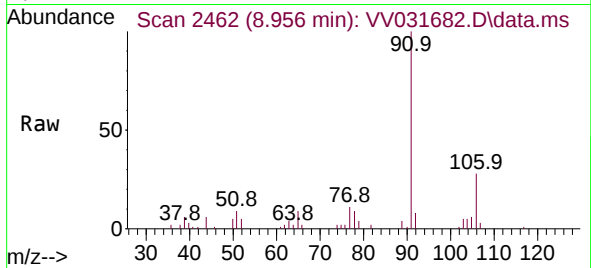




#52
Ethylbenzene
Concen: 1.777 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

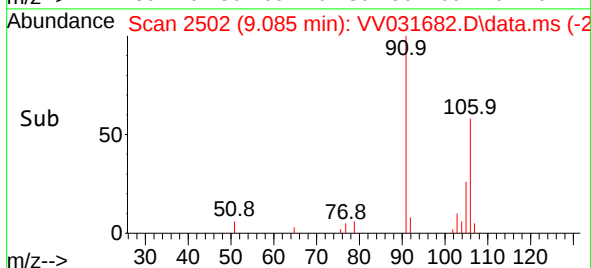
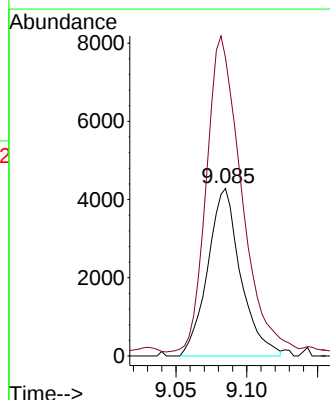
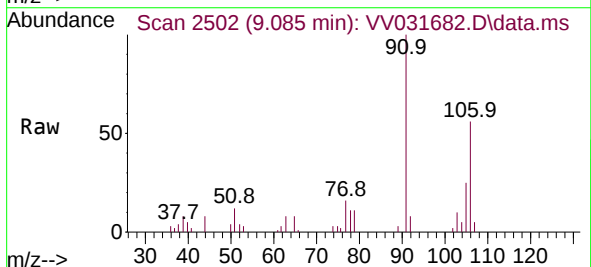
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

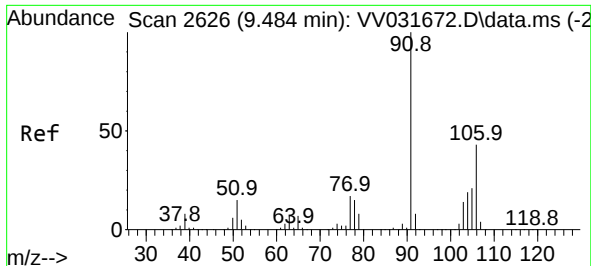
Tgt Ion: 91 Resp: 19576
Ion Ratio Lower Upper
91 100
106 28.4 21.5 39.9



#53
m,p-Xylene
Concen: 1.705 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:106 Resp: 6925
Ion Ratio Lower Upper
106 100
91 178.0 145.6 270.4

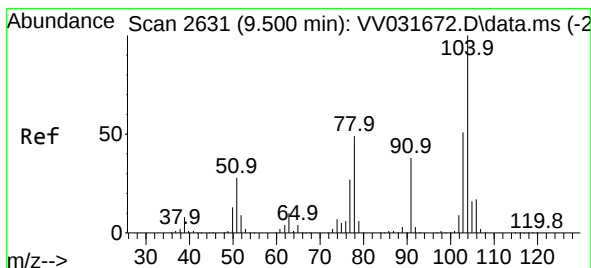
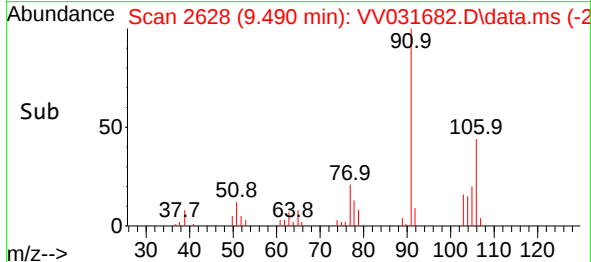
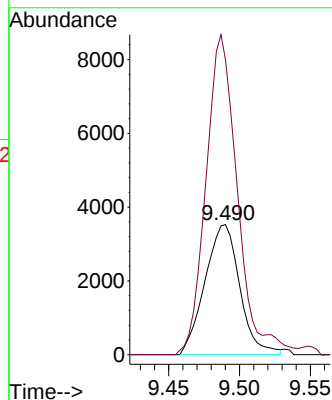
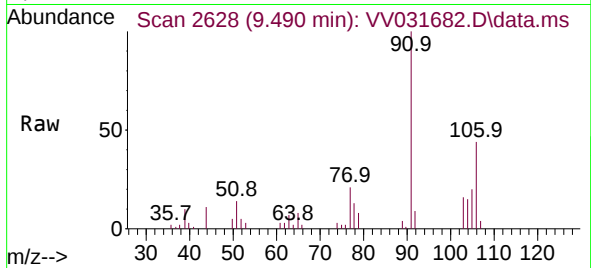




#54
o-Xylene
Concen: 1.603 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

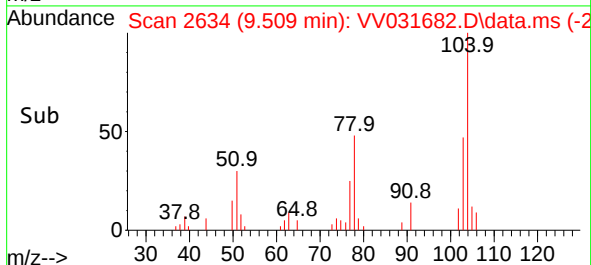
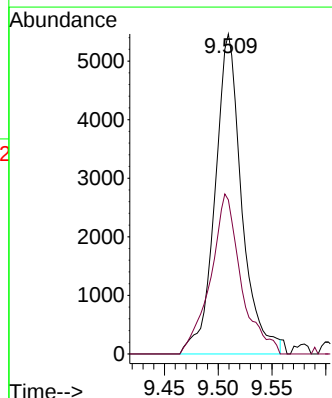
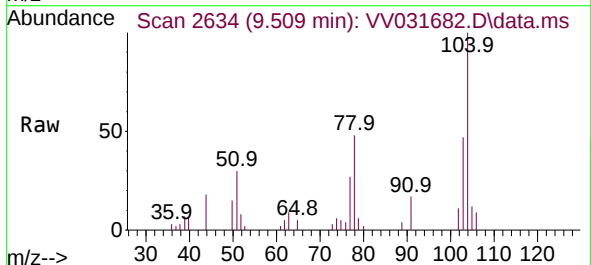
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

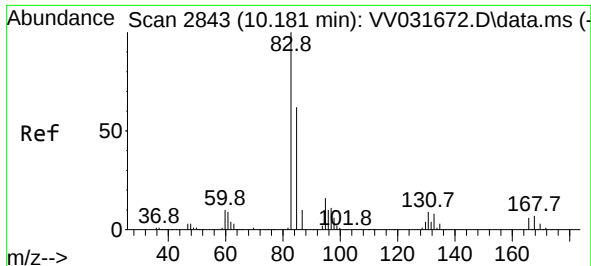
Tgt Ion:106 Resp: 6031
Ion Ratio Lower Upper
106 100
91 226.8 163.0 302.6



#55
Styrene
Concen: 1.366 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:104 Resp: 9458
Ion Ratio Lower Upper
104 100
78 48.2 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 2.311 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

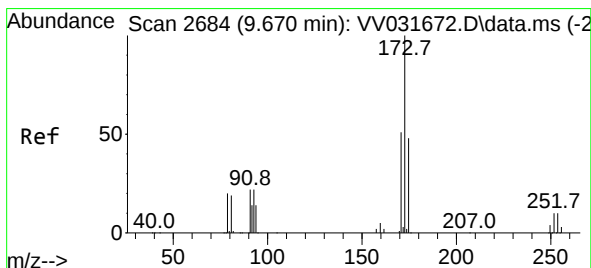
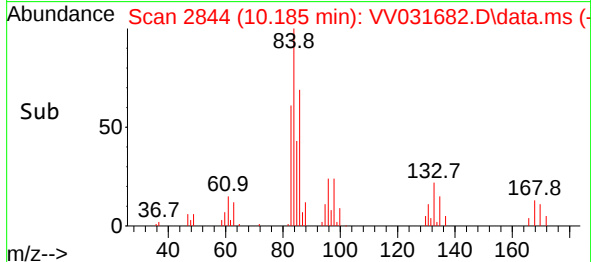
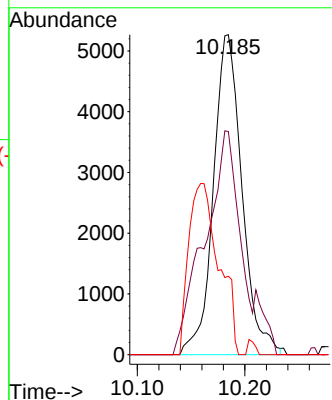
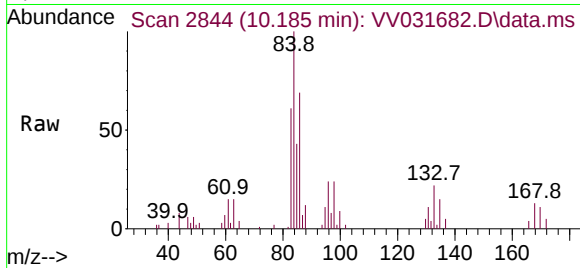
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:	83	Resp:	9740
Ion	Ratio	Lower	Upper
83	100		
85	69.8	43.4	80.6
131	24.5	10.9	16.3



#59

Bromoform

Concen: 2.475 ug/L

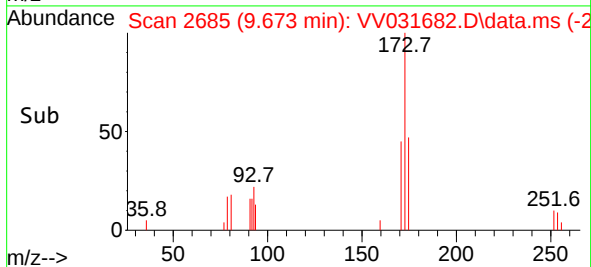
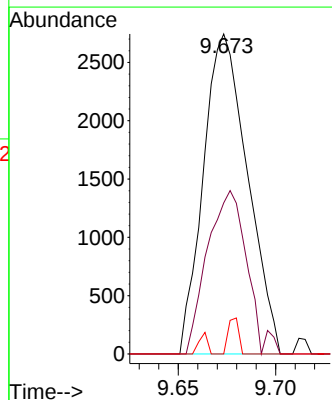
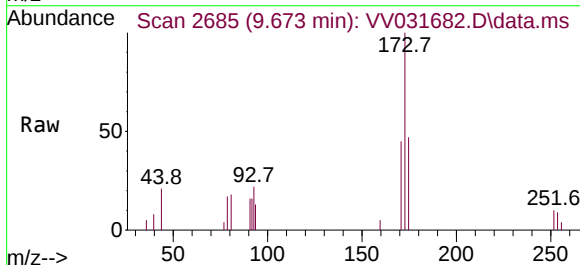
RT: 9.673 min Scan# 2685

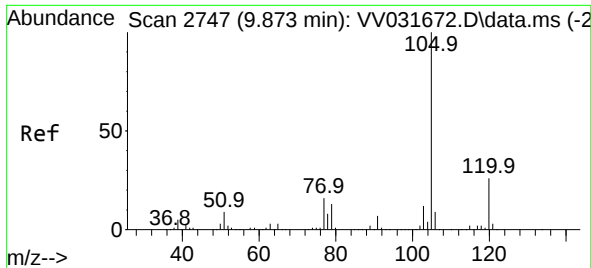
Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Tgt Ion:	173	Resp:	4328
Ion	Ratio	Lower	Upper
173	100		
175	44.2	38.6	58.0
254	2.7	6.9	10.3

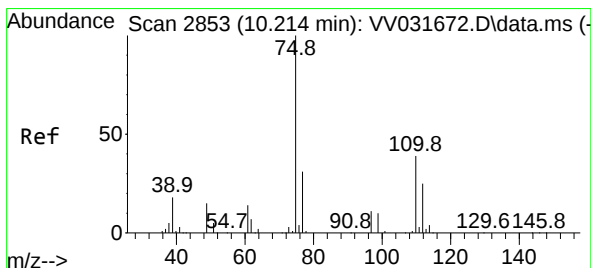
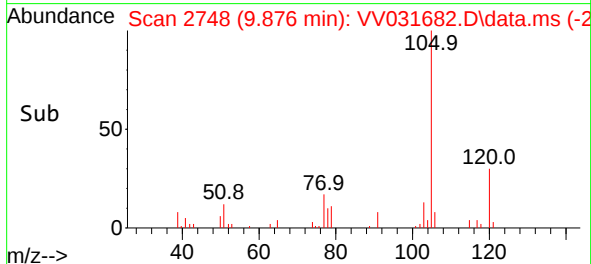
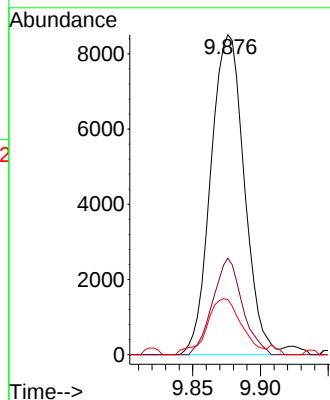
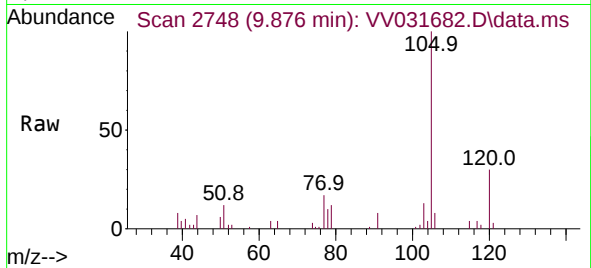




#60
Isopropylbenzene
Concen: 1.750 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

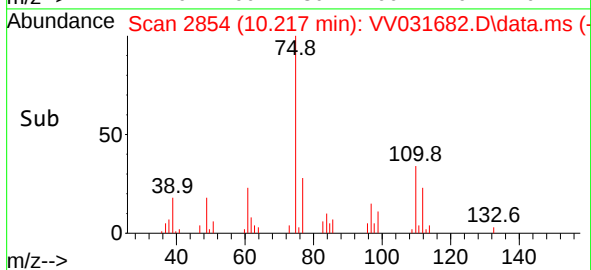
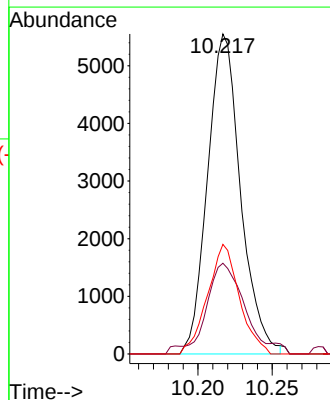
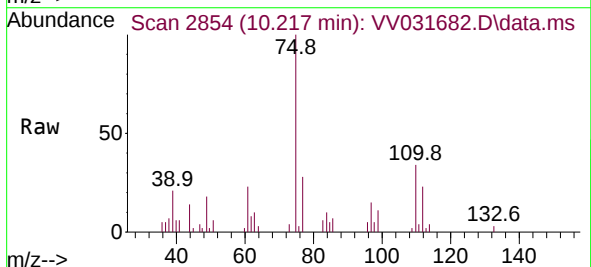
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

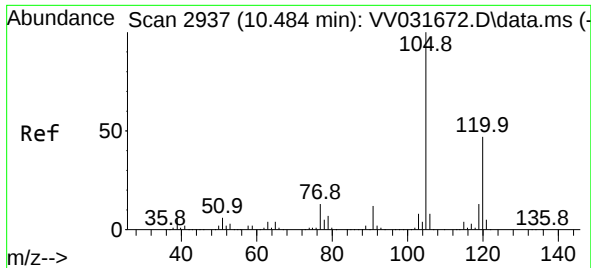
Tgt Ion:105 Resp: 14622
Ion Ratio Lower Upper
105 100
120 26.7 20.6 30.8
77 18.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 3.013 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 75 Resp: 8575
Ion Ratio Lower Upper
75 100
77 27.4 25.1 37.7
110 33.0 31.4 47.0

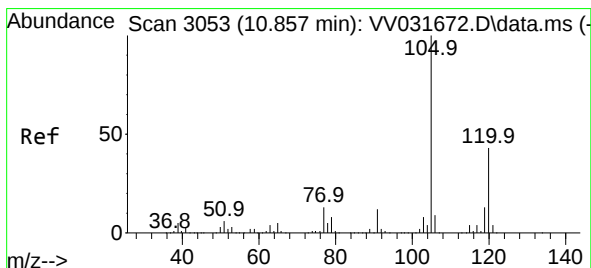
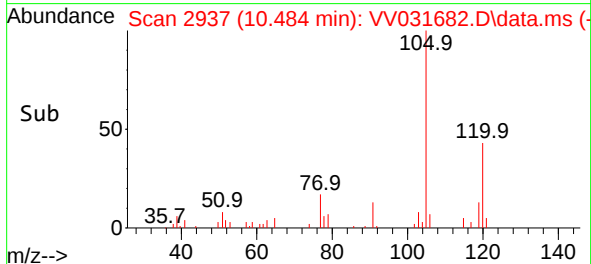
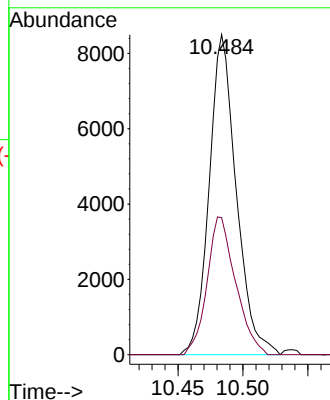
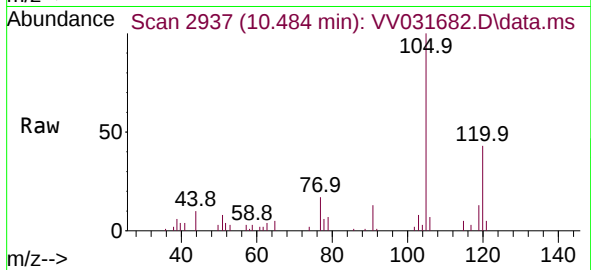




#62
1,3,5-Trimethylbenzene
Concen: 1.805 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

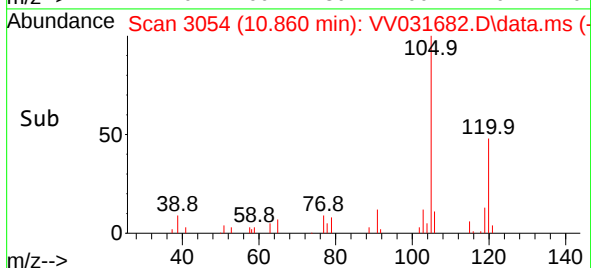
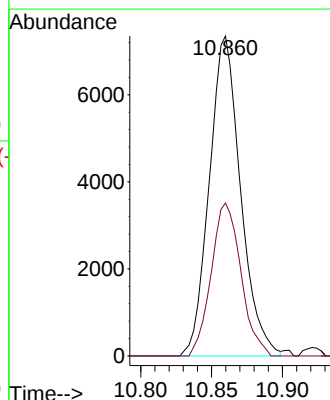
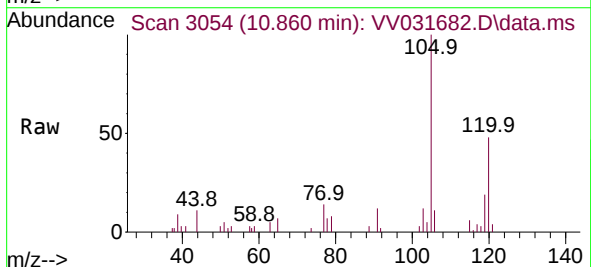
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

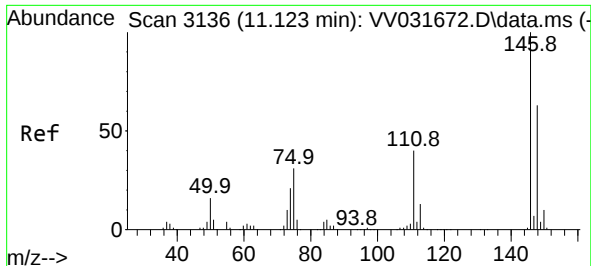
Tgt Ion:105 Resp: 12326
Ion Ratio Lower Upper
105 100
120 45.4 37.4 56.0



#63
1,2,4-Trimethylbenzene
Concen: 1.662 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:105 Resp: 11301
Ion Ratio Lower Upper
105 100
120 45.4 34.7 52.1

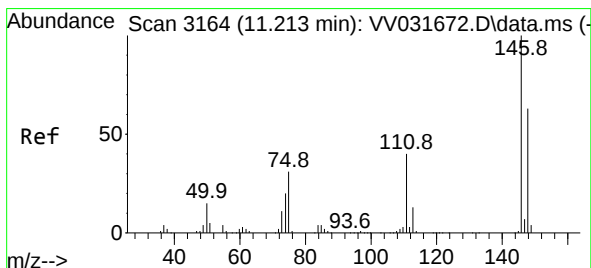
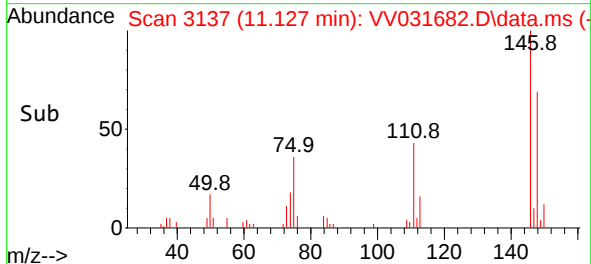
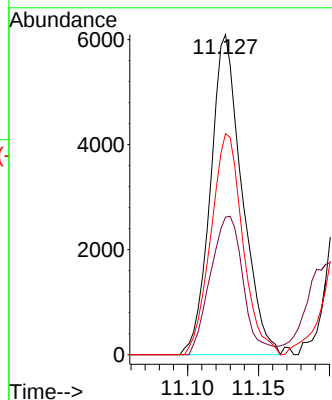
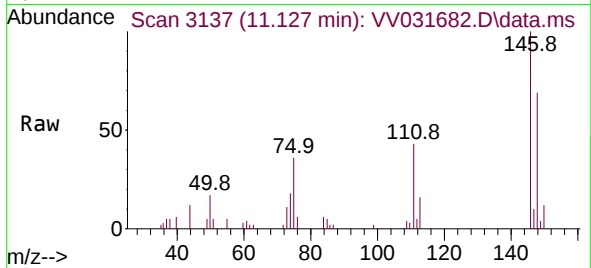




#64
1,3-Dichlorobenzene
Concen: 2.165 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

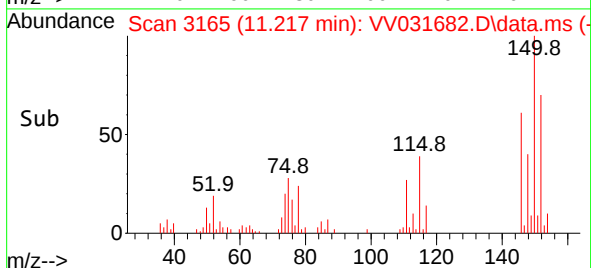
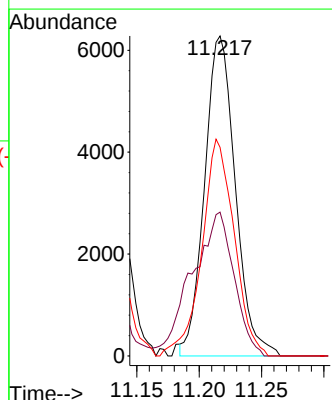
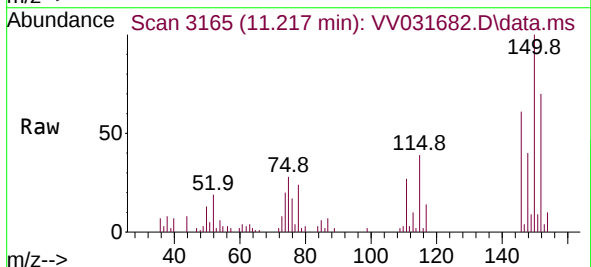
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

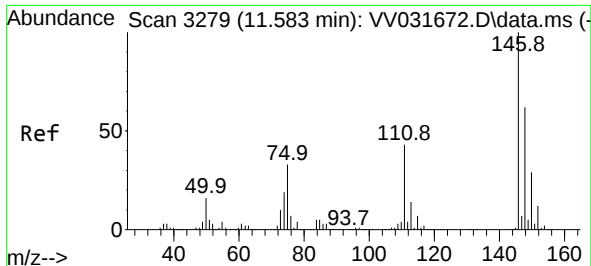
Tgt Ion:146 Resp: 9398
Ion Ratio Lower Upper
146 100
111 43.0 28.3 52.5
148 69.0 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 2.294 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:146 Resp: 10801
Ion Ratio Lower Upper
146 100
111 45.9 28.3 52.7
148 60.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 2.448 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

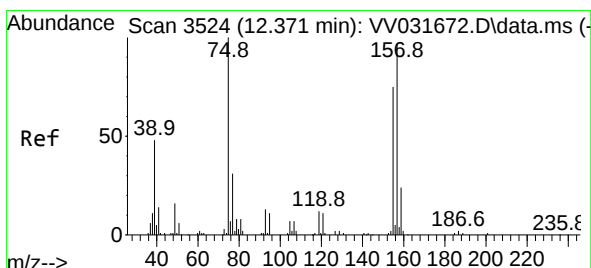
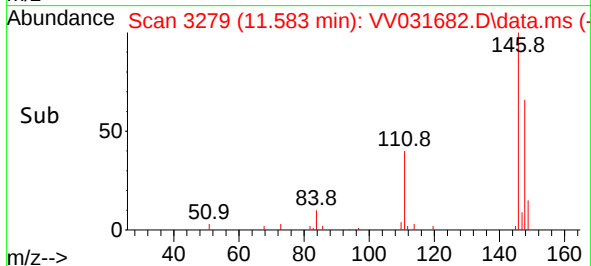
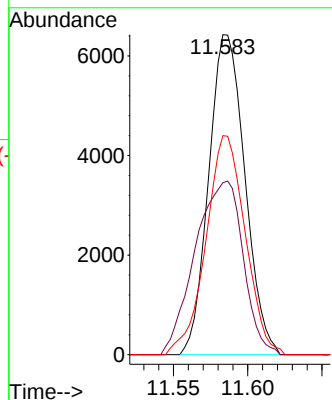
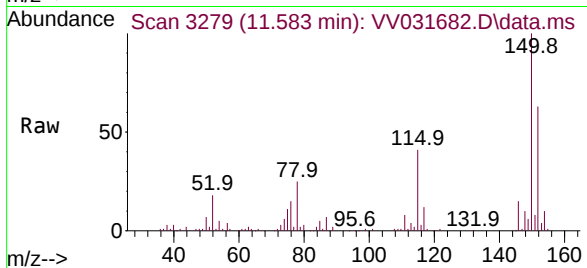
Tgt Ion:146 Resp: 10896

Ion Ratio Lower Upper

146 100

111 53.7 34.8 52.2#

148 68.4 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 2.357 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

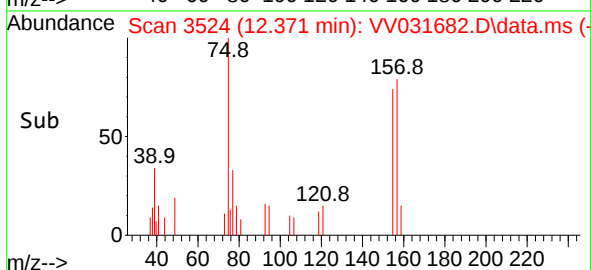
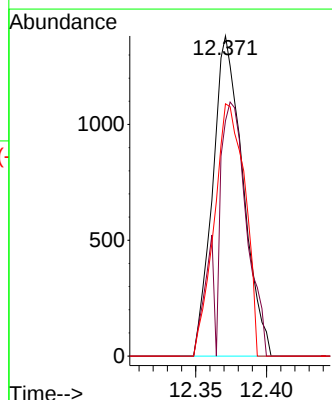
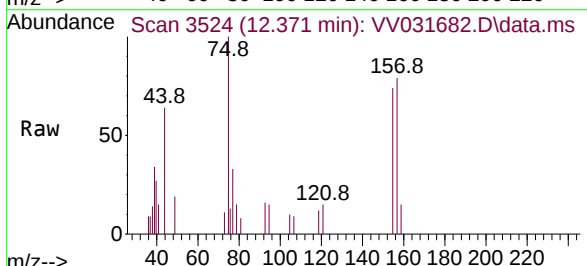
Tgt Ion: 75 Resp: 2047

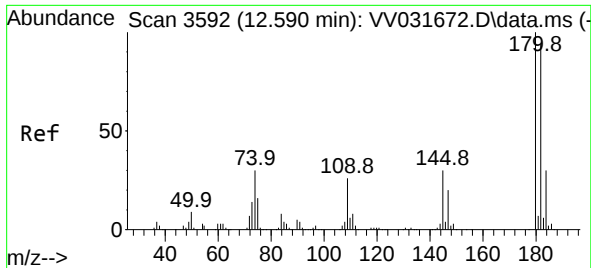
Ion Ratio Lower Upper

75 100

155 65.3 59.9 89.9

157 70.0 77.6 116.4#

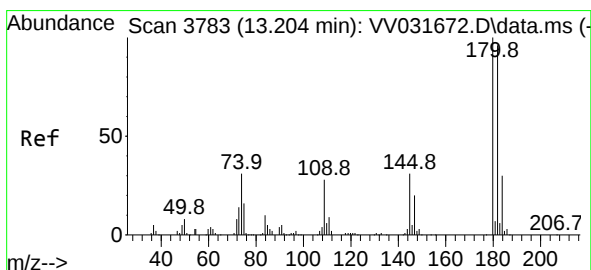
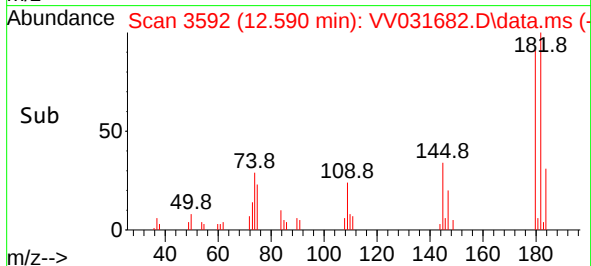
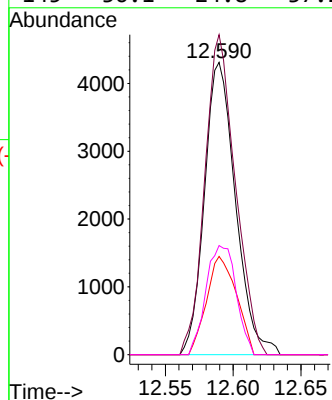
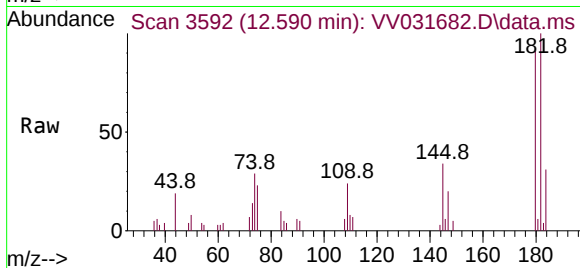




#69
 1,3,5-Trichlorobenzene
 Concen: 2.114 ug/L
 RT: 12.590 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

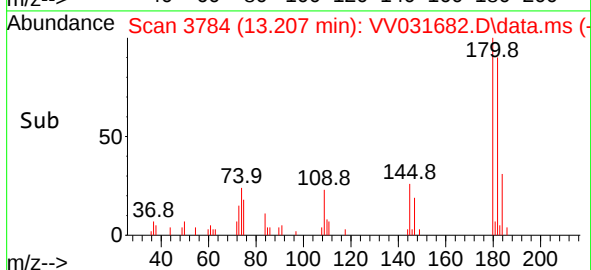
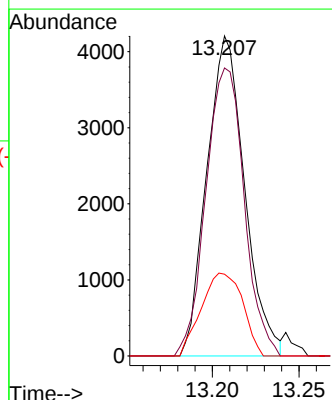
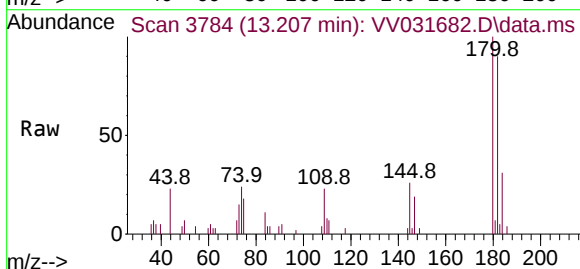
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

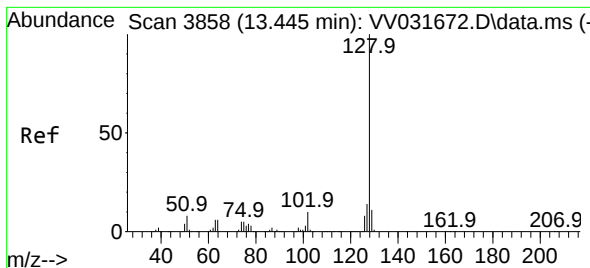
Tgt Ion:	180	Resp:	6874
Ion	Ratio	Lower	Upper
180	100		
182	107.5	75.5	113.3
184	32.3	23.7	35.5
145	36.1	24.8	37.2



#70
 1,2,4-trichlorobenzene
 Concen: 2.210 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

Tgt Ion:	180	Resp:	6369
Ion	Ratio	Lower	Upper
180	100		
182	91.2	76.6	114.8
145	28.4	25.4	38.2





#71

Naphthalene

Concen: 1.867 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

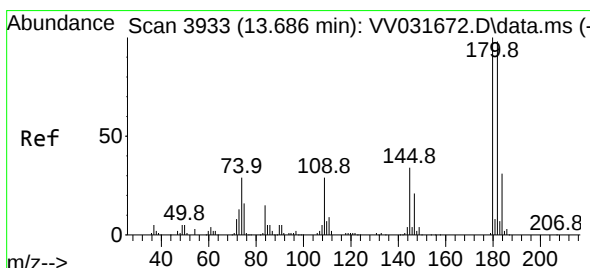
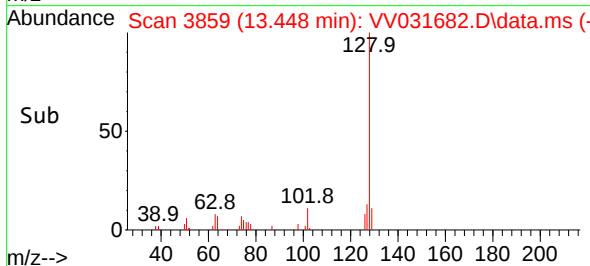
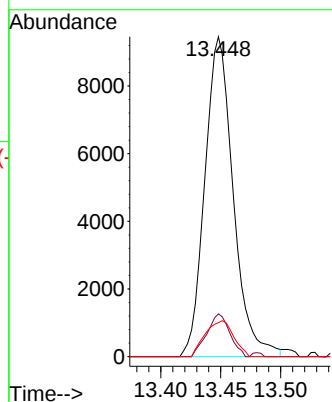
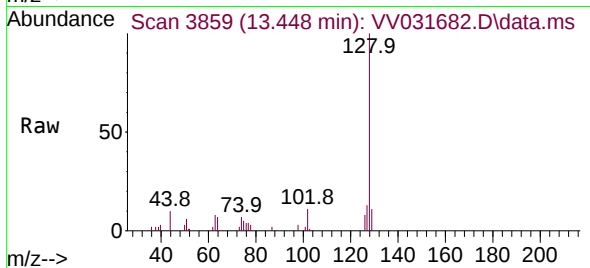
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:	128	Resp:	15566
Ion Ratio	Lower	Upper	
128	100		
127	10.8	11.0	16.4#
129	11.2	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 1.976 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Tgt Ion:	180	Resp:	5968
Ion Ratio	Lower	Upper	
180	100		
182	91.1	76.7	115.1
145	36.2	27.7	41.5

