

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120523\
 Data File : VX039082.D
 Acq On : 05 Dec 2023 14:39
 Operator : JC/MD
 Sample : 04696-06 2.5PPB
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Quant Time: Dec 06 03:47:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 02:19:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	247069	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	231076	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	111859	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	96167	49.625	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 99.240%			
7) Chloroethane-d5	1.666	69	72026	50.284	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.560%			
11) 1,1-Dichloroethene-d2	2.306	65	43924	51.636	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.280%			
21) 2-Butanone-d5	4.440	46	190609	108.661	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.660%			
24) Chloroform-d	5.050	84	168263	49.049	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.100%			
26) 1,2-Dichloroethane-d4	5.946	65	114107	51.361	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.720%			
32) Benzene-d6	5.964	84	366454	51.385	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.780%			
36) 1,2-Dichloropropane-d6	7.305	67	119051	51.873	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.740%			
41) Toluene-d8	8.647	98	326835	50.572	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.140%			
43) trans-1,3-Dichloroprop...	8.945	79	59300	50.774	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.540%			
47) 2-Hexanone-d5	9.378	63	142156	103.706	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.710%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	168496	51.754	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.500%			
66) 1,2-Dichlorobenzene-d4	12.317	152	111473	52.722	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4816	2.444	ug/L	97
3) Chloromethane	1.294	50	4769	2.316	ug/L	92
5) Vinyl chloride	1.373	62	5186	2.555	ug/L #	76
6) Bromomethane	1.611	94	3104	2.833	ug/L	97
8) Chloroethane	1.690	64	2976	2.593	ug/L	86
9) Trichlorofluoromethane	1.886	101	6148	2.337	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5306	3.136	ug/L #	85
12) 1,1-Dichloroethene	2.318	96	4900	3.079	ug/L #	1
13) Acetone	2.367	43	7752	4.600	ug/L	99
14) Carbon disulfide	2.513	76	13900	2.744	ug/L	96
15) Methyl Acetate	2.702	43	6428	2.669	ug/L	96
16) Methylene chloride	2.788	84	5273	2.883	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	4256	2.538	ug/L	92
18) Methyl tert-butyl Ether	3.105	73	14408	2.468	ug/L	99
19) 1,1-Dichloroethane	3.605	63	8127	2.451	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	4853	2.495	ug/L	91
22) 2-Butanone	4.556	43	9844	4.760	ug/L	93
23) Bromochloromethane	4.897	128	2339m	2.558	ug/L	
25) Chloroform	5.086	83	15038	4.547	ug/L	98

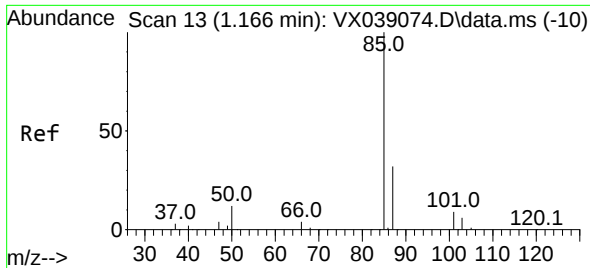
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	6730m	2.578	ug/L	
29) Cyclohexane	5.464	56	8133	2.516	ug/L #	91
30) 1,1,1-Trichloroethane	5.379	97	6545	2.334	ug/L	99
31) Carbon tetrachloride	5.671	117	5477	2.341	ug/L #	51
33) Benzene	6.031	78	17717	2.413	ug/L	100
34) Trichloroethene	7.122	95	4944	2.548	ug/L	95
35) Methylcyclohexane	7.372	83	7899	2.444	ug/L	96
37) 1,2-Dichloropropane	7.427	63	5221	2.564	ug/L #	92
38) Bromodichloromethane	7.817	83	5802	2.342	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	7918	2.438	ug/L	95
40) 4-Methyl-2-pentanone	8.567	43	16242	4.758	ug/L	97
42) Toluene	8.714	91	19447	2.497	ug/L	94
44) trans-1,3-Dichloropropene	8.976	75	7550m	2.505	ug/L	
45) 1,1,2-Trichloroethane	9.146	97	4399	2.357	ug/L	97
46) Tetrachloroethene	9.274	164	3176	2.481	ug/L	96
48) 2-Hexanone	9.427	43	15220	5.328	ug/L	95
49) Dibromochloromethane	9.518	129	4036	2.220	ug/L	93
50) 1,2-Dibromoethane	9.610	107	5009	2.505	ug/L #	92
51) Chlorobenzene	10.079	112	11850	2.464	ug/L	96
52) Ethylbenzene	10.195	91	20689	2.377	ug/L	100
53) m,p-Xylene	10.299	106	7634	2.345	ug/L	99
54) o-Xylene	10.640	106	7224	2.313	ug/L	95
55) Styrene	10.658	104	12273	2.297	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.207	83	8408	2.581	ug/L #	94
59) Bromoform	10.799	173	2761	2.100	ug/L	97
60) Isopropylbenzene	10.963	105	19642	2.403	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6387	2.607	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	17099	2.478	ug/L	96
63) 1,2,4-Trimethylbenzene	11.750	105	15906	2.351	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	8839	2.527	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	8667	2.445	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	8647	2.584	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.938	75	1754	2.294	ug/L	97
69) 1,3,5-Trichlorobenzene	13.115	180	5466	2.363	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5532	2.536	ug/L	97
71) Naphthalene	13.774	128	18499	2.473	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	5448	2.580	ug/L	98

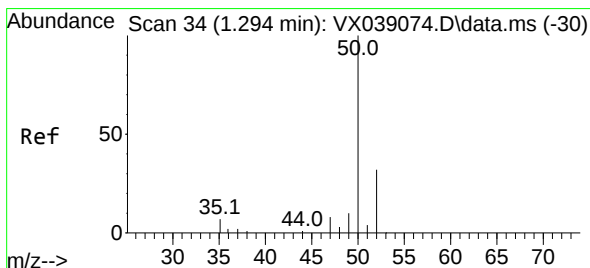
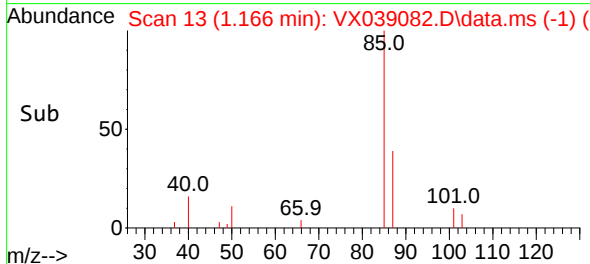
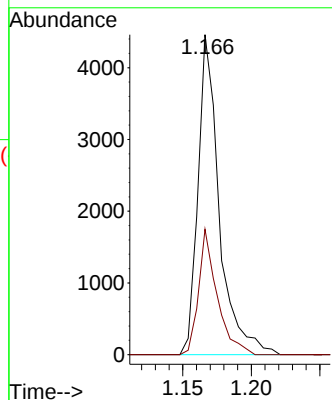
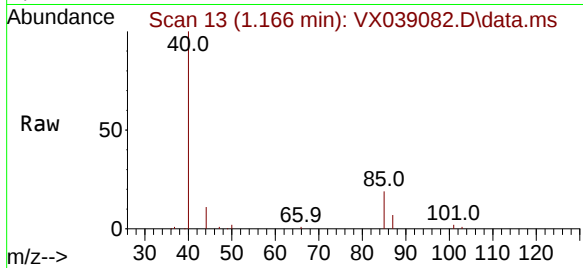
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#2
Dichlorodifluoromethane
Concen: 2.444 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

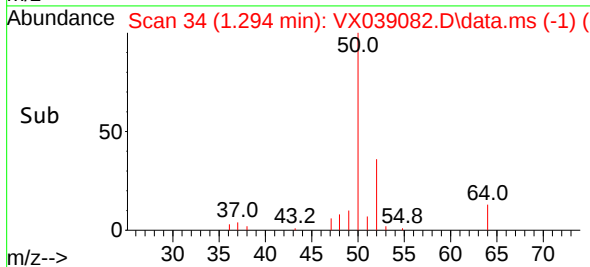
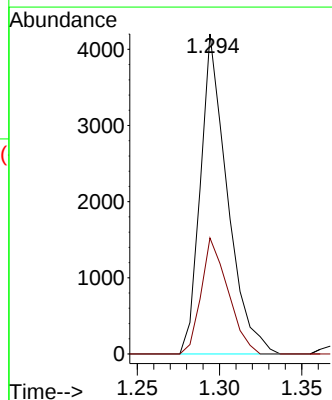
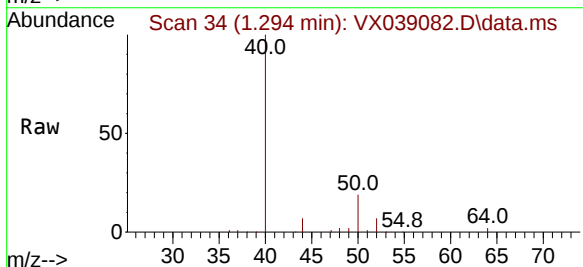
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-08

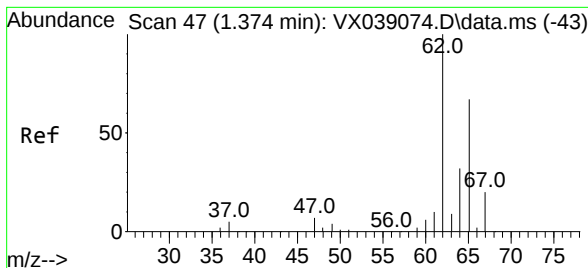
Tgt Ion: 85 Resp: 4816
Ion Ratio Lower Upper
85 100
87 34.3 26.2 39.4



#3
Chloromethane
Concen: 2.316 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion: 50 Resp: 4769
Ion Ratio Lower Upper
50 100
52 36.3 22.4 41.6

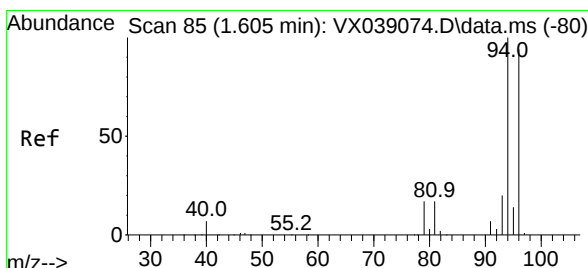
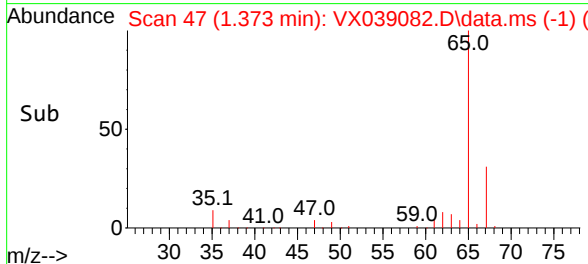
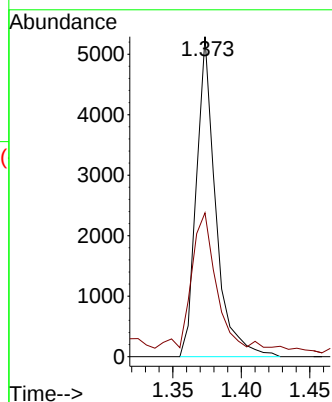
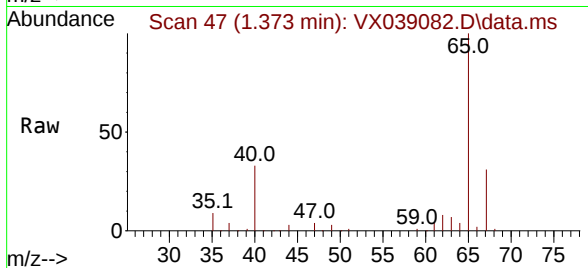




#5
 Vinyl chloride
 Concen: 2.555 ug/L
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039082.D
 Acq: 05 Dec 2023 14:39

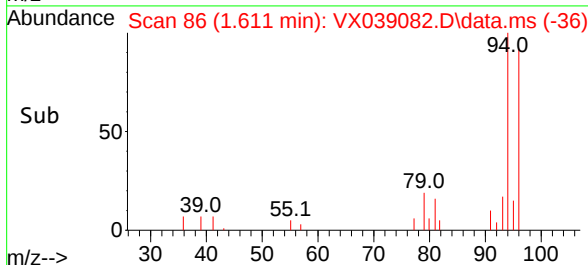
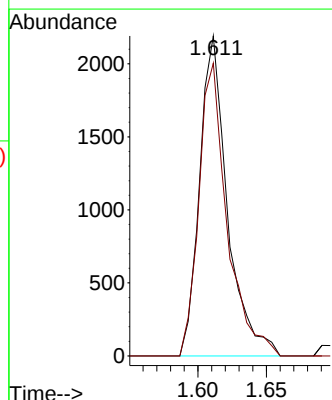
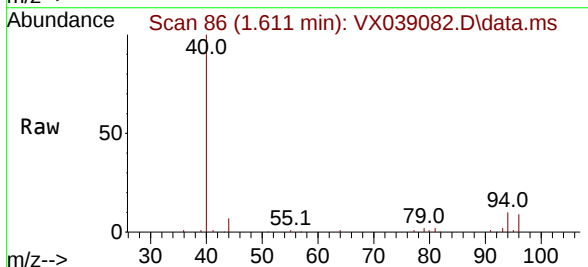
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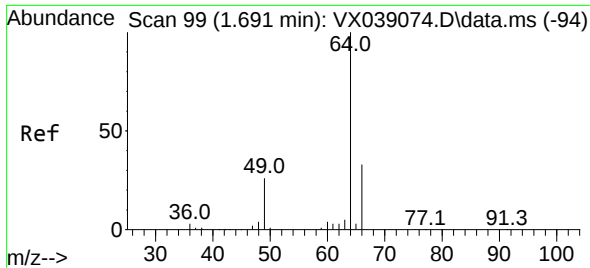
Tgt Ion: 62 Resp: 5186
 Ion Ratio Lower Upper
 62 100
 64 44.9 22.3 41.3#



#6
 Bromomethane
 Concen: 2.833 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX039082.D
 Acq: 05 Dec 2023 14:39

Tgt Ion: 94 Resp: 3104
 Ion Ratio Lower Upper
 94 100
 96 91.5 65.8 122.2

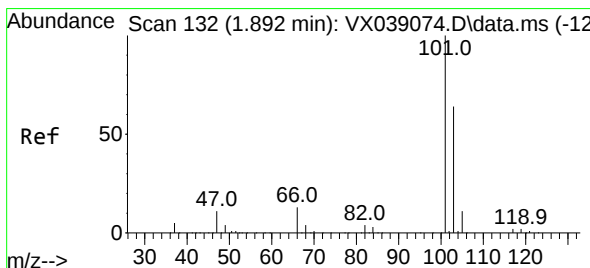
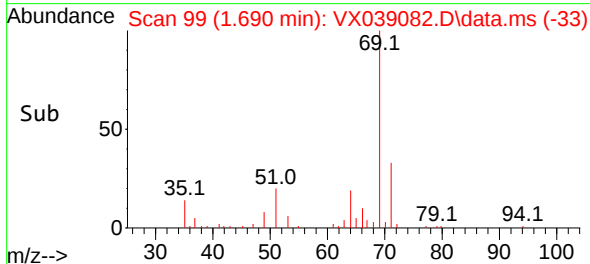
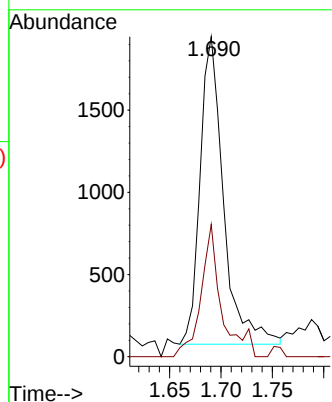
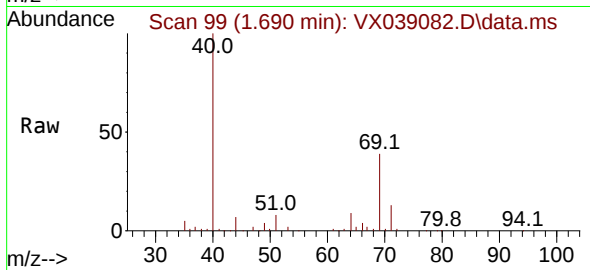




#8
Chloroethane
Concen: 2.593 ug/L
RT: 1.690 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

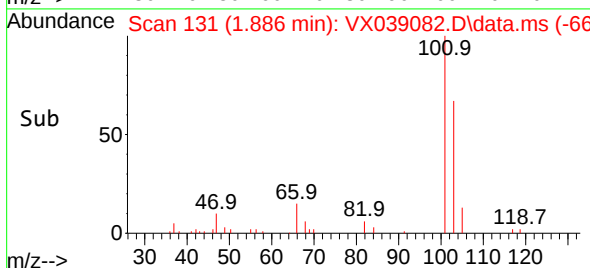
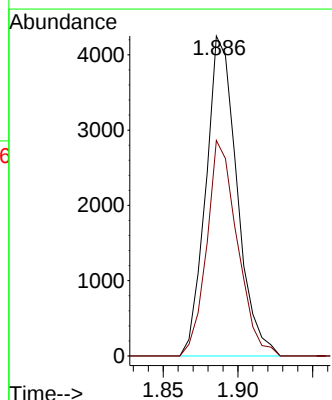
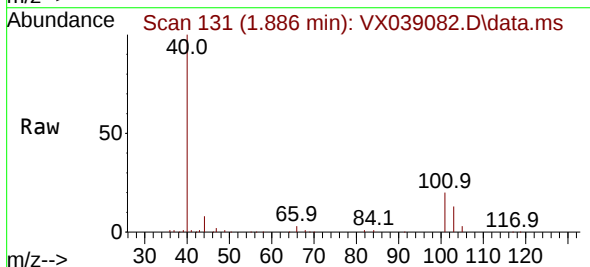
Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

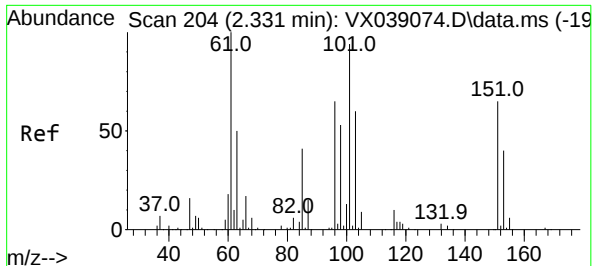
Tgt Ion: 64 Resp: 2976
Ion Ratio Lower Upper
64 100
66 41.3 23.4 43.6



#9
Trichlorofluoromethane
Concen: 2.337 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion:101 Resp: 6148
Ion Ratio Lower Upper
101 100
103 66.1 51.4 77.2





#10

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

Concen: 3.136 ug/L

RT: 2.325 min Scan# 204

Delta R.T. -0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

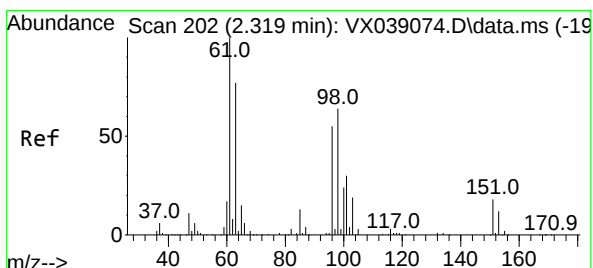
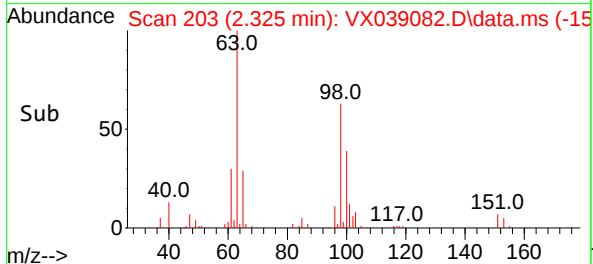
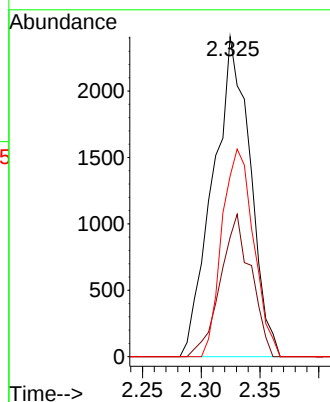
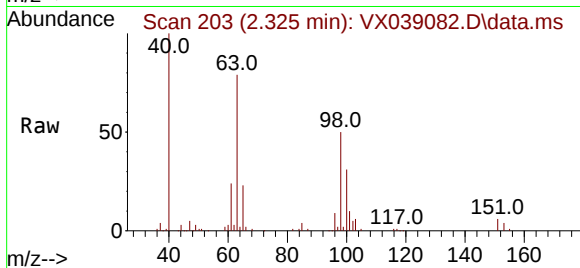
Tgt Ion:101 Resp: 5306

Ion Ratio Lower Upper

101 100

85 36.7 35.8 53.6

151 55.3 55.4 83.2#



#12

1,1-Dichloroethene

Concen: 3.079 ug/L

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

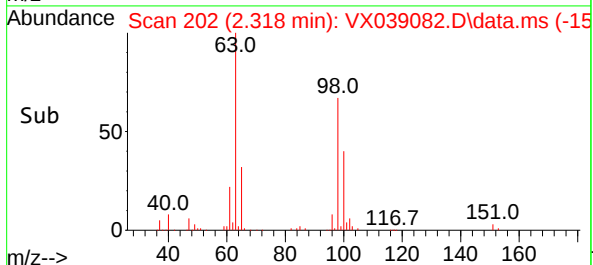
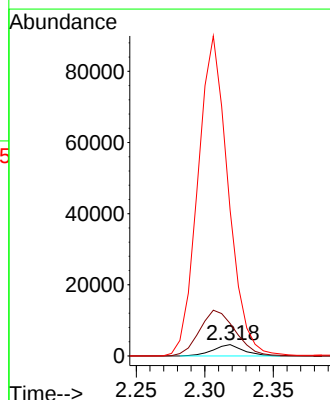
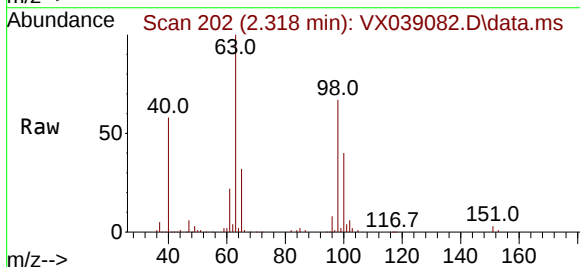
Tgt Ion: 96 Resp: 4900

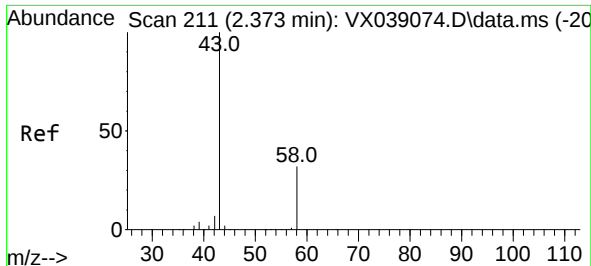
Ion Ratio Lower Upper

96 100

61 286.0 128.0 237.6#

63 1282.6 101.5 188.5#





#13

Acetone

Concen: 4.600 ug/L

RT: 2.367 min Scan# 211

Delta R.T. -0.006 min

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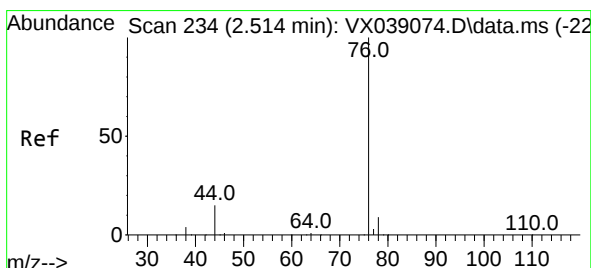
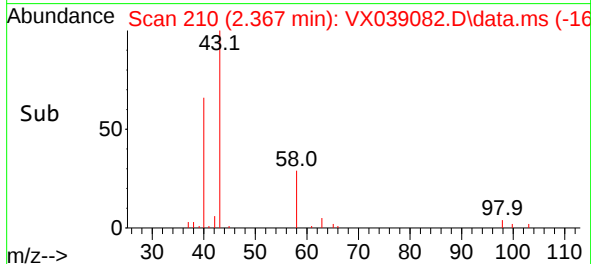
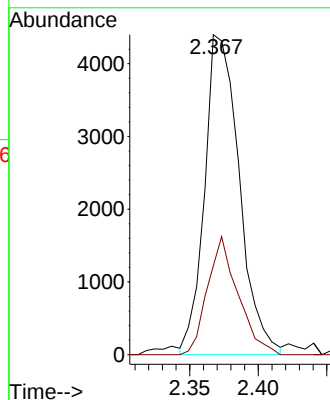
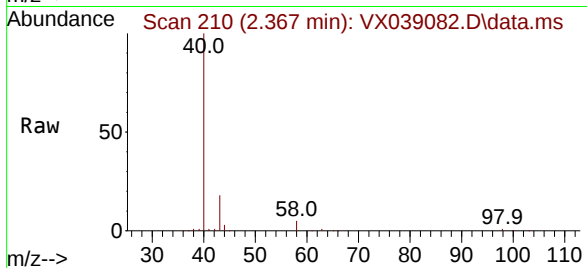
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 7752

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.8



#14

Carbon disulfide

Concen: 2.744 ug/L

RT: 2.513 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX039082.D

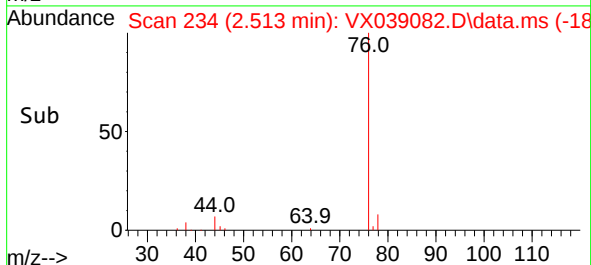
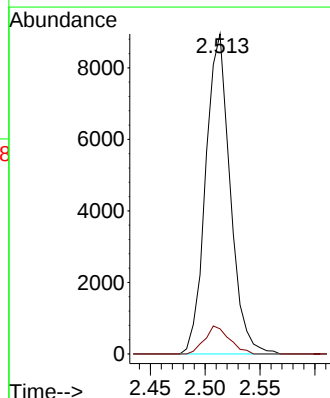
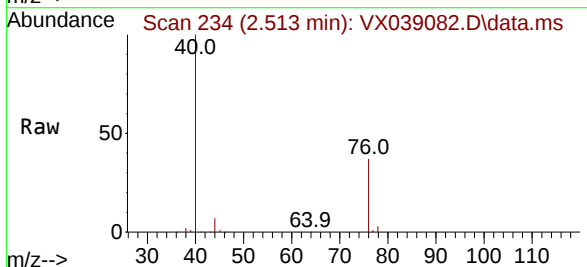
Acq: 05 Dec 2023 14:39

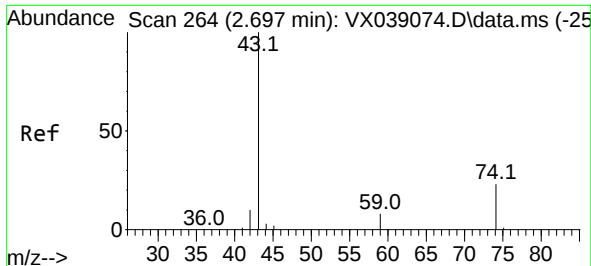
Tgt Ion: 76 Resp: 13900

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2

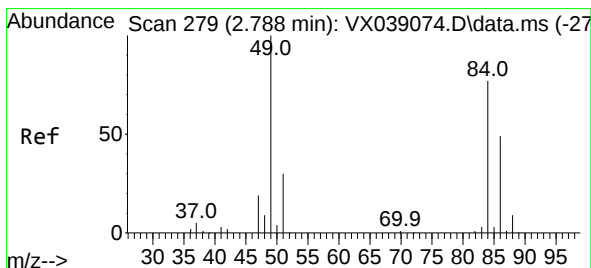
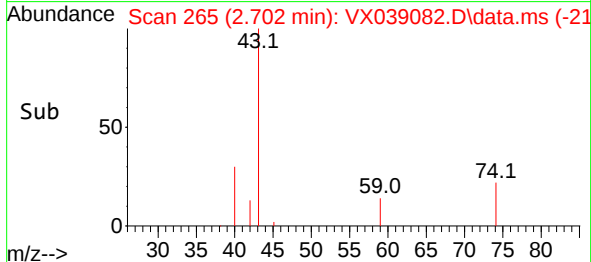
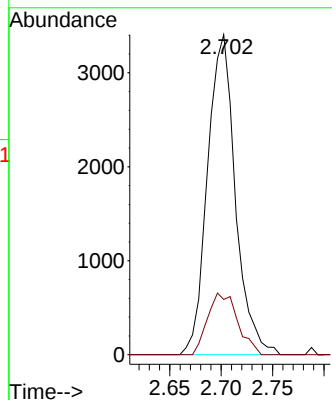
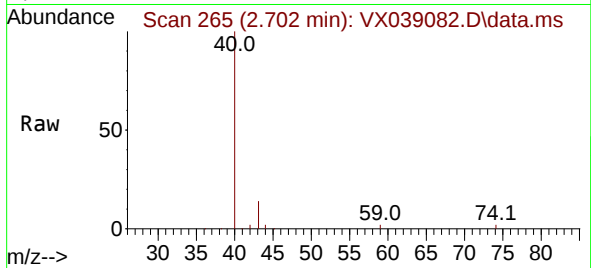




#15
Methyl Acetate
Concen: 2.669 ug/L
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

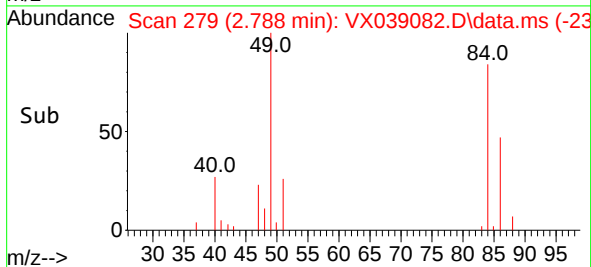
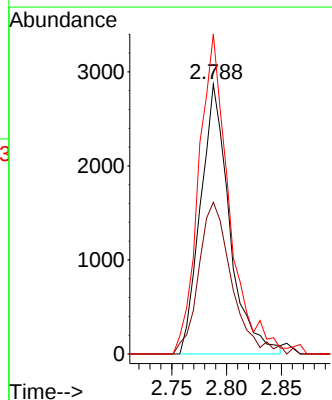
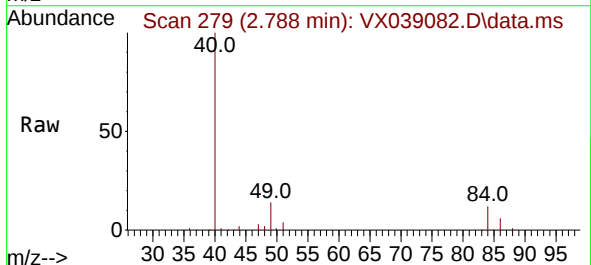
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

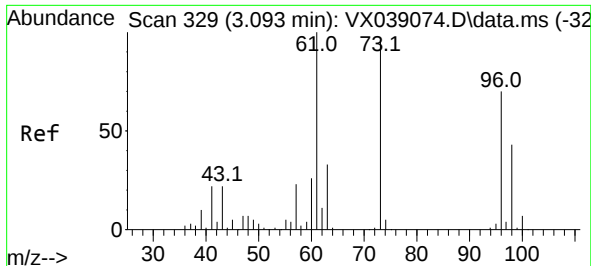
Tgt Ion: 43 Resp: 6428
Ion Ratio Lower Upper
43 100
74 20.7 18.2 27.4



#16
Methylene chloride
Concen: 2.883 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion: 84 Resp: 5273
Ion Ratio Lower Upper
84 100
86 56.2 44.7 82.9
49 118.6 90.9 168.7





#17

trans-1,2-Dichloroethene

Concen: 2.538 ug/L

RT: 3.093 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

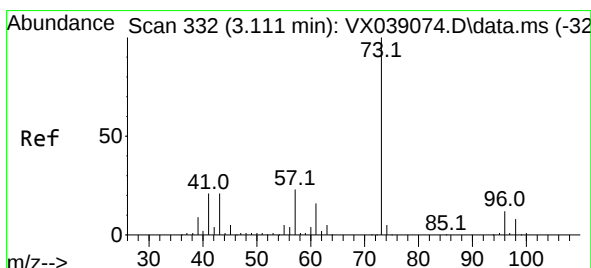
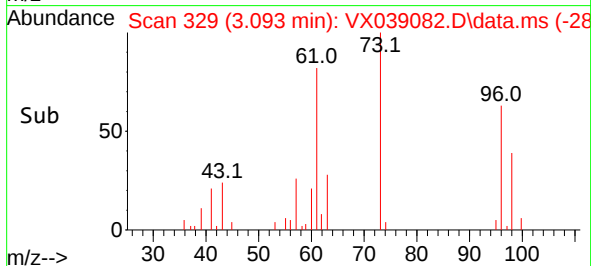
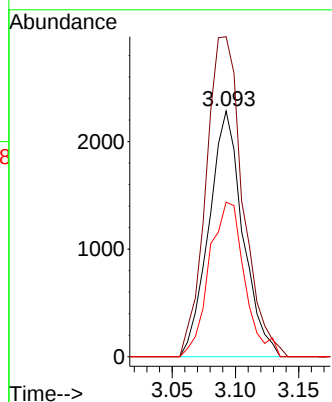
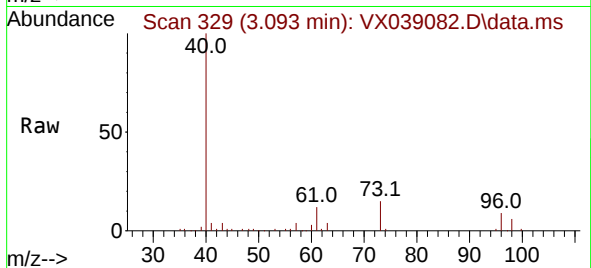
Tgt Ion: 96 Resp: 4256

Ion Ratio Lower Upper

96 100

61 130.3 99.8 185.3

98 62.9 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 2.468 ug/L

RT: 3.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

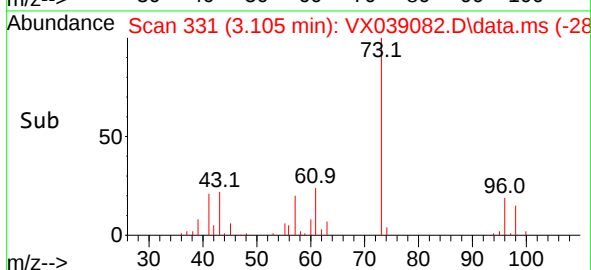
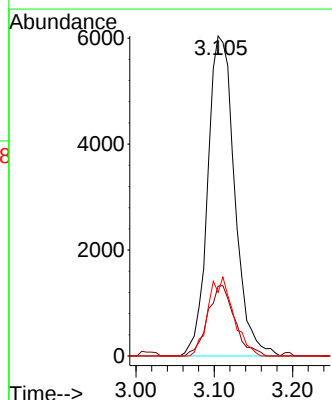
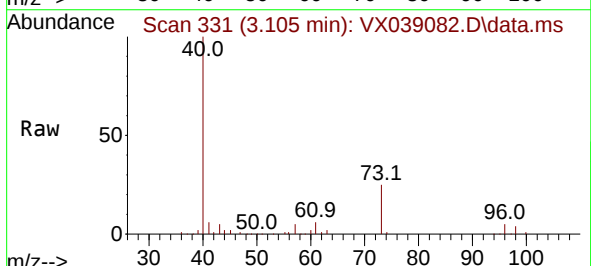
Tgt Ion: 73 Resp: 14408

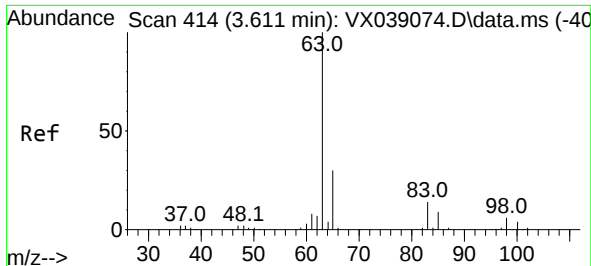
Ion Ratio Lower Upper

73 100

43 22.1 16.9 25.3

57 23.3 18.5 27.7





#19

1,1-Dichloroethane

Concen: 2.451 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

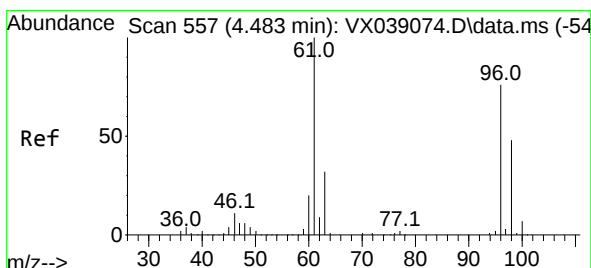
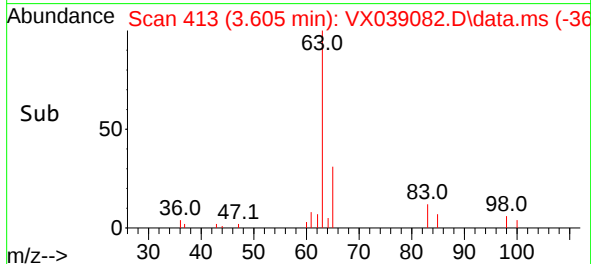
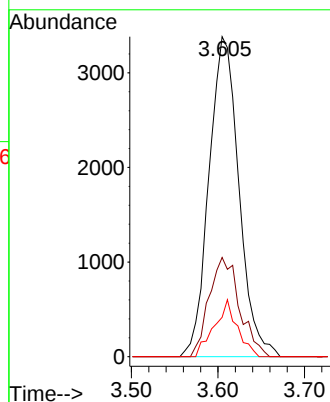
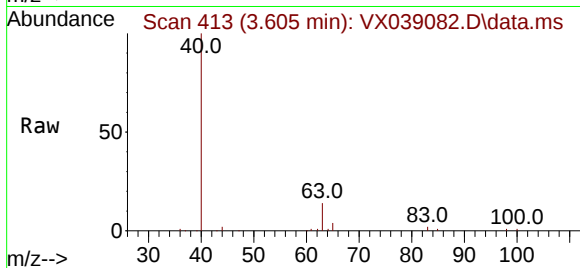
Tgt Ion: 63 Resp: 8127

Ion Ratio Lower Upper

63 100

65 31.0 21.1 39.3

83 12.3 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 2.495 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

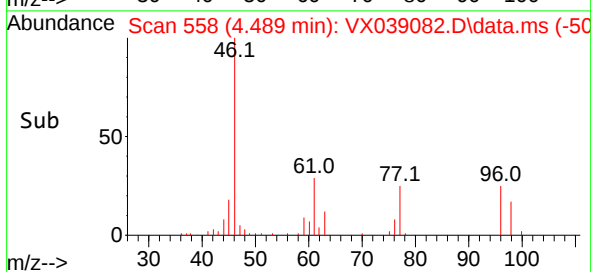
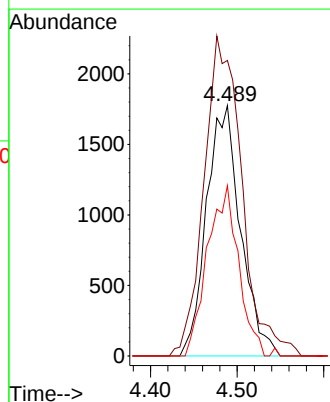
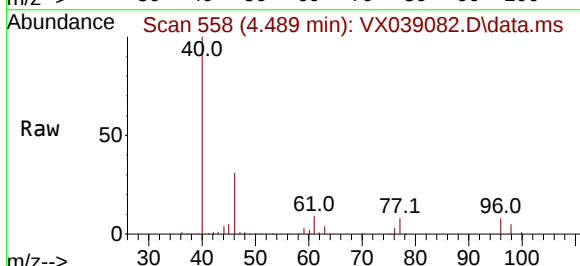
Tgt Ion: 96 Resp: 4853

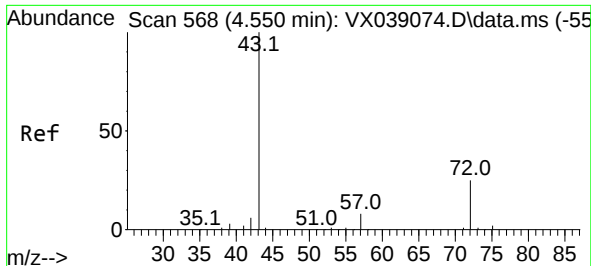
Ion Ratio Lower Upper

96 100

61 118.0 91.7 170.3

98 68.0 44.2 82.2

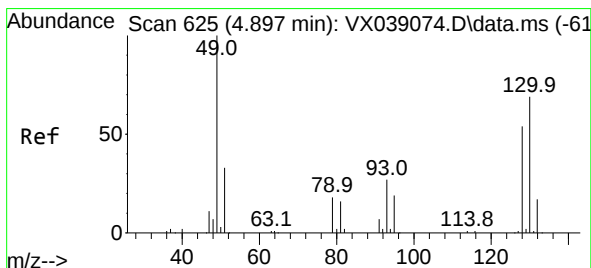
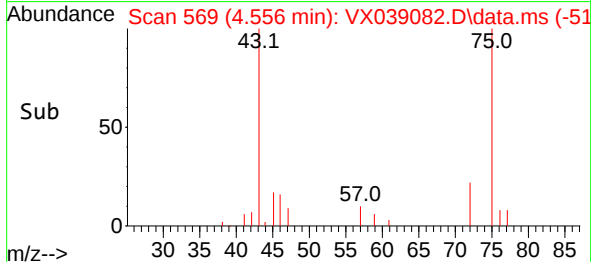
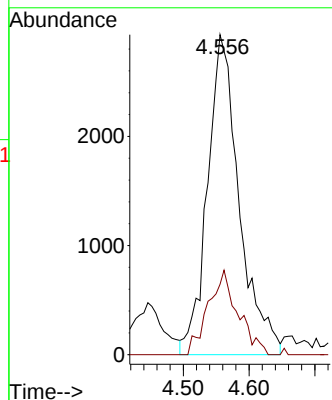
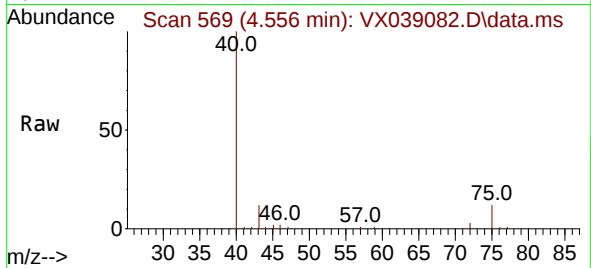




#22
2-Butanone
Concen: 4.760 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

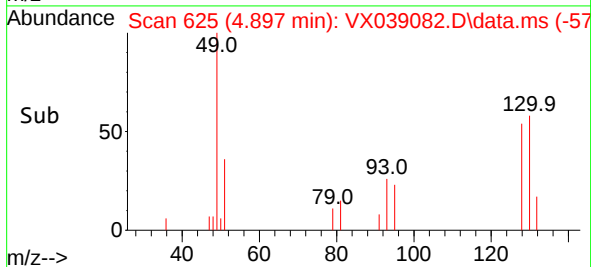
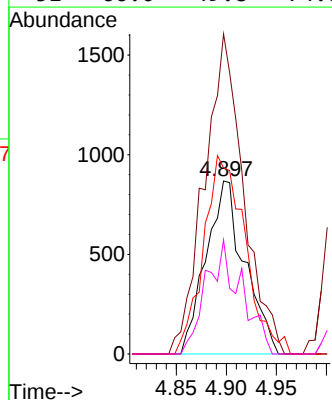
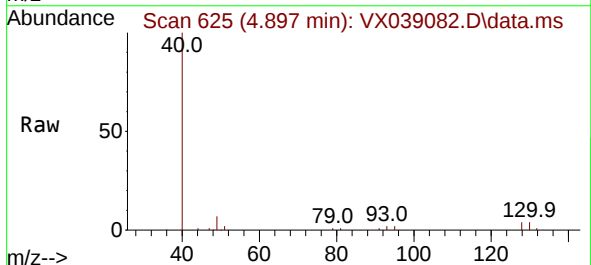
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

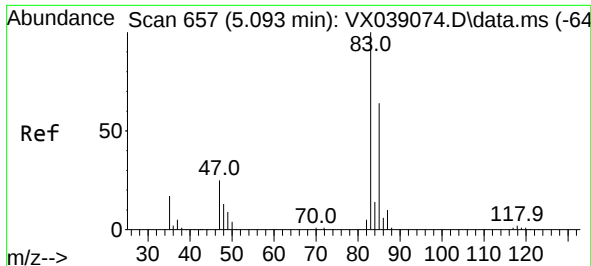
Tgt Ion: 43 Resp: 9844
Ion Ratio Lower Upper
43 100
72 21.7 12.6 37.6



#23
Bromochloromethane
Concen: 2.558 ug/L m
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion: 128 Resp: 2339
Ion Ratio Lower Upper
128 100
49 185.0 130.8 243.0
130 107.6 90.6 168.3
51 66.0 49.8 74.8

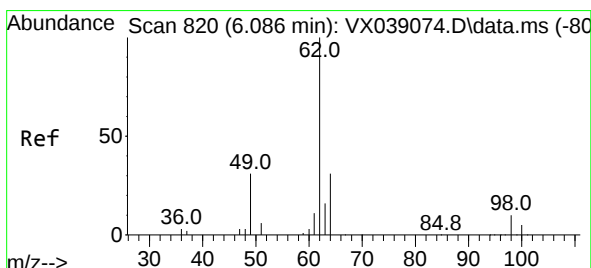
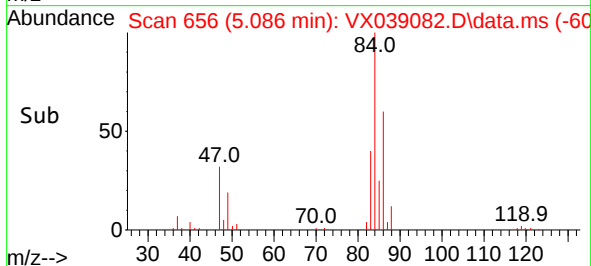
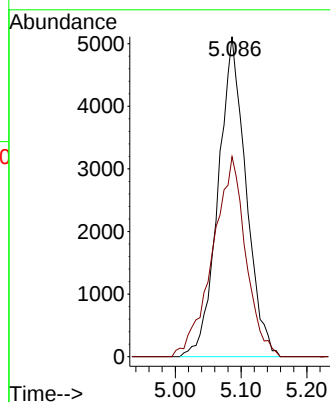
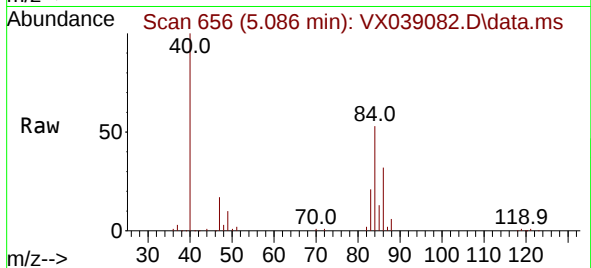




#25
Chloroform
Concen: 4.547 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

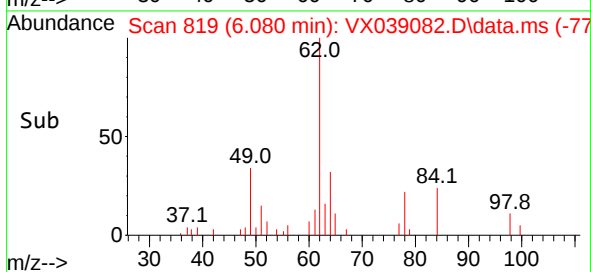
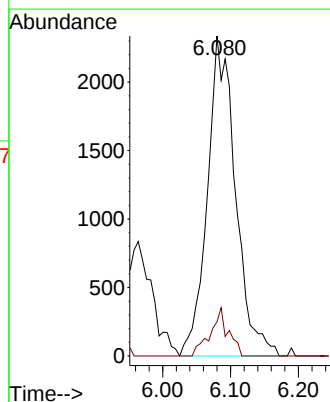
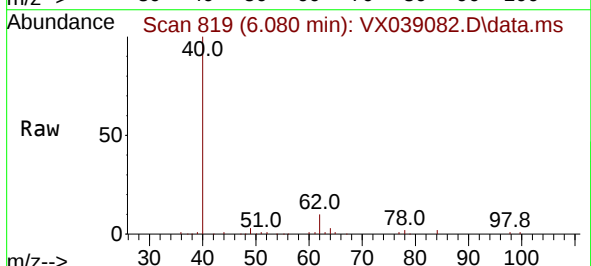
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

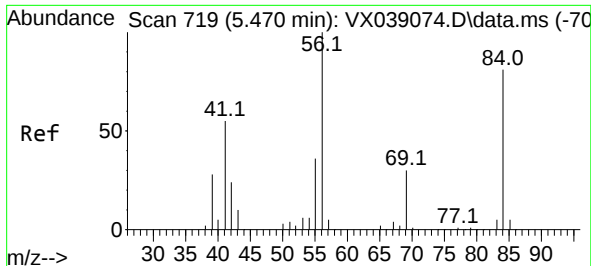
Tgt Ion: 83 Resp: 15038
Ion Ratio Lower Upper
83 100
85 62.5 45.1 83.7



#27
1,2-Dichloroethane
Concen: 2.578 ug/L m
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion: 62 Resp: 6730
Ion Ratio Lower Upper
62 100
98 10.7 8.0 12.0





#29

Cyclohexane

Concen: 2.516 ug/L

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX039082.D

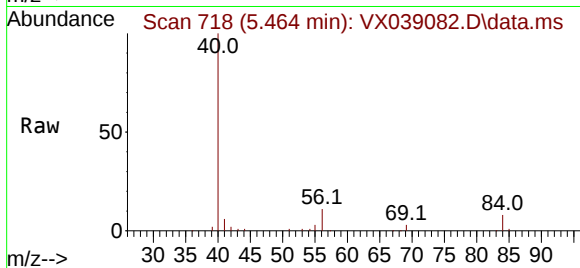
Acq: 05 Dec 2023 14:39

Instrument :

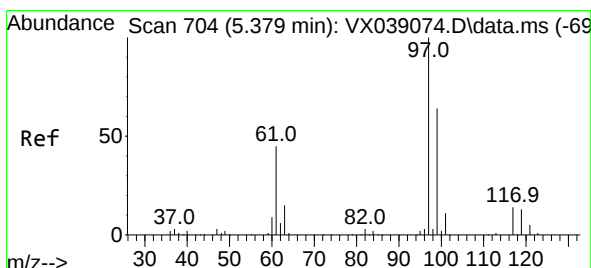
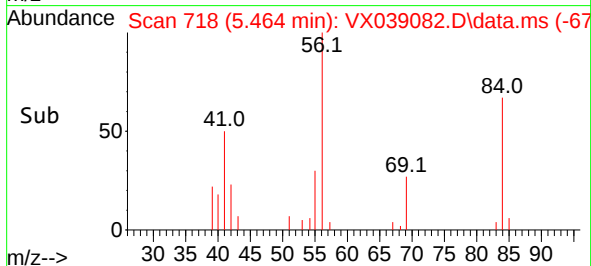
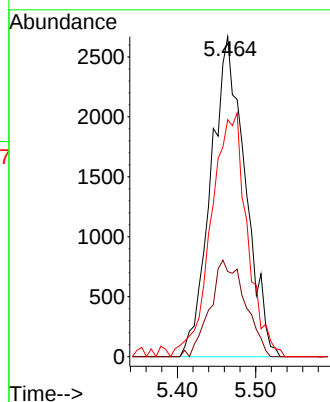
MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08



Tgt Ion:	56	Resp:	8133
Ion	Ratio	Lower	Upper
56	100		
69	19.5	24.5	36.7#
84	79.6	67.0	100.4



#30

1,1,1-Trichloroethane

Concen: 2.334 ug/L

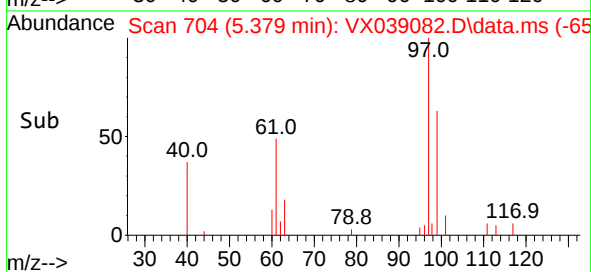
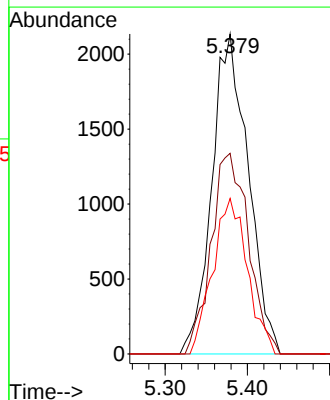
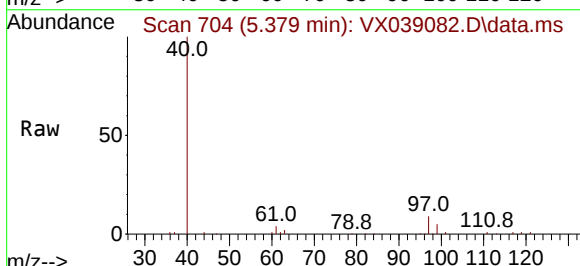
RT: 5.379 min Scan# 704

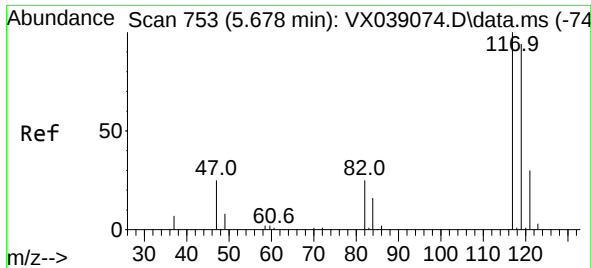
Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Tgt Ion:	97	Resp:	6545
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	46.6	36.7	55.1

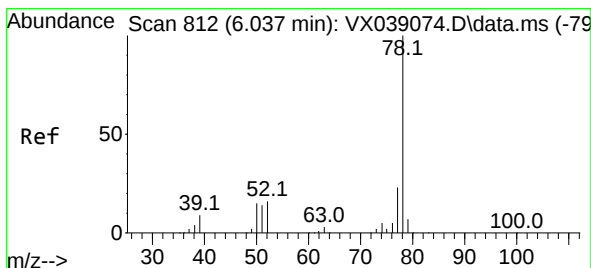
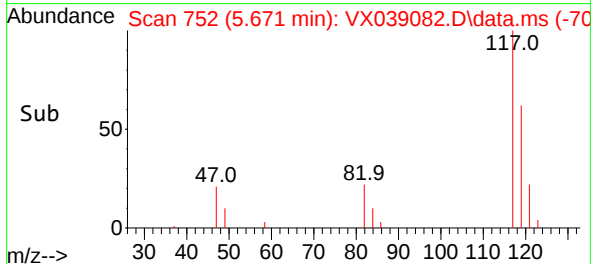
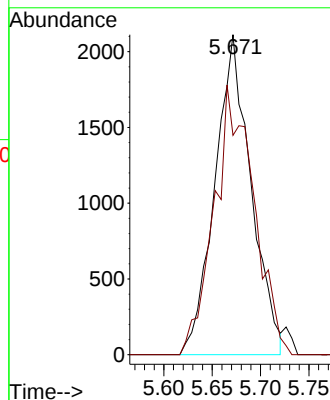
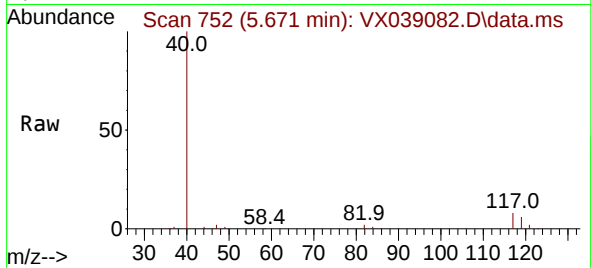




#31
Carbon tetrachloride
Concen: 2.341 ug/L
RT: 5.671 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

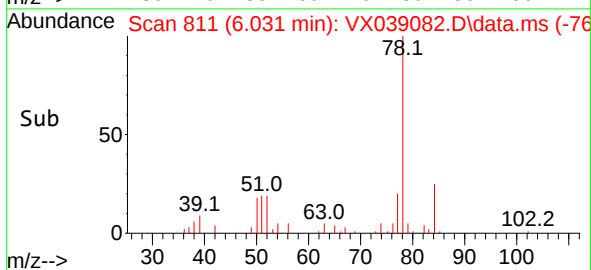
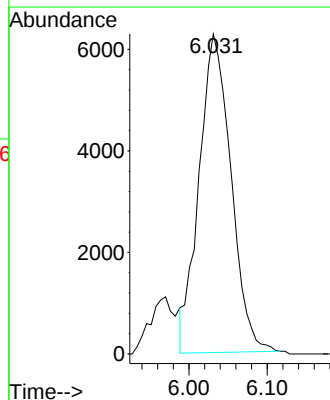
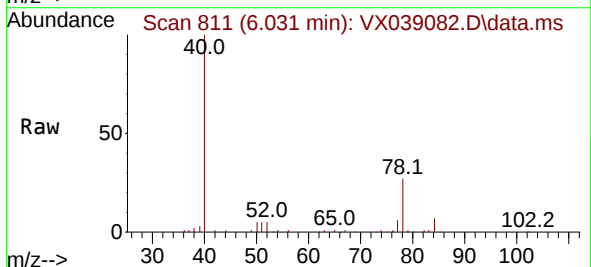
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

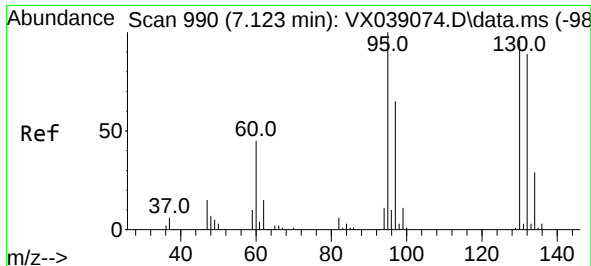
Tgt Ion:117 Resp: 5477
Ion Ratio Lower Upper
117 100
119 47.9 77.0 115.4#



#33
Benzene
Concen: 2.413 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion: 78 Resp: 17717



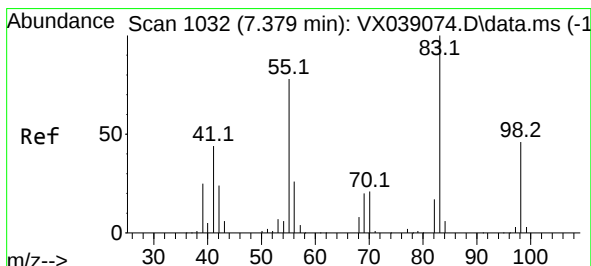
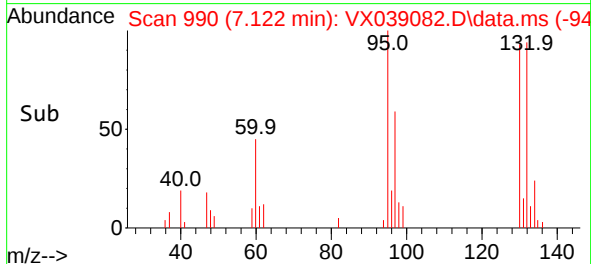
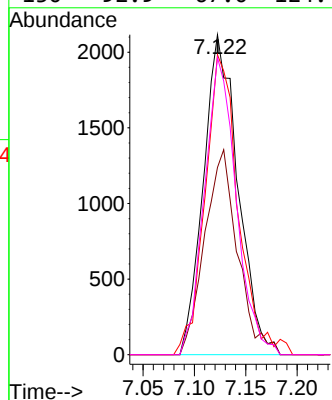
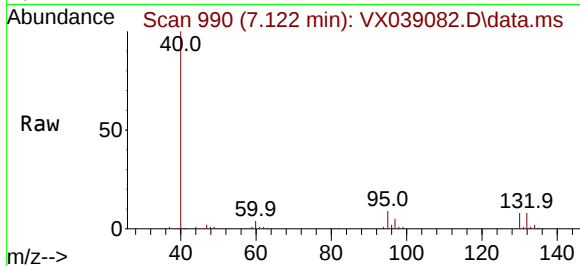


#34
Trichloroethene
Concen: 2.548 ug/L
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 95 Resp: 4944

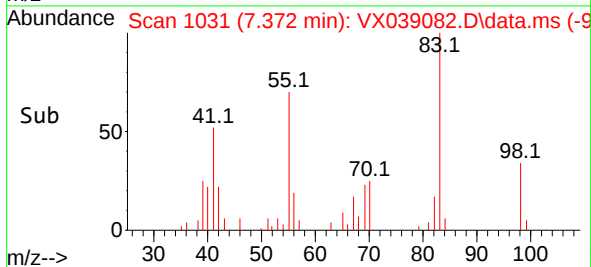
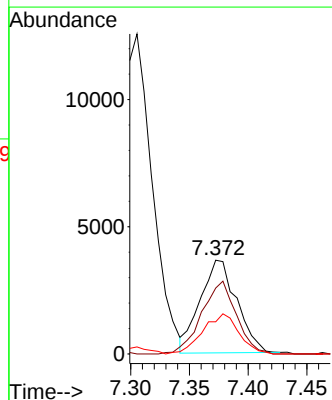
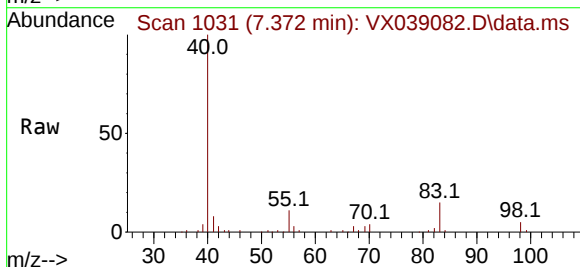
Ion	Ratio	Lower	Upper
95	100		
97	58.5	45.5	84.5
132	93.8	62.2	115.4
130	92.9	67.0	124.4

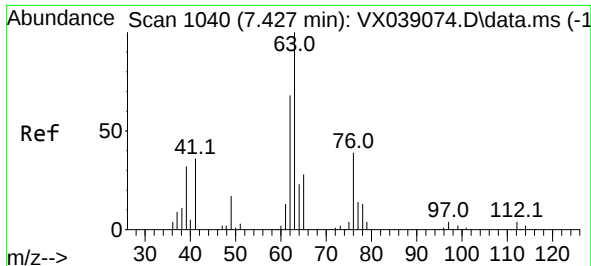


#35
Methylcyclohexane
Concen: 2.444 ug/L
RT: 7.372 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion: 83 Resp: 7899

Ion	Ratio	Lower	Upper
83	100		
55	74.3	62.5	93.7
98	42.7	36.1	54.1





#37

1,2-Dichloropropane

Concen: 2.564 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

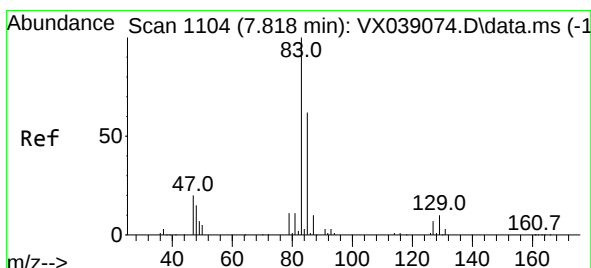
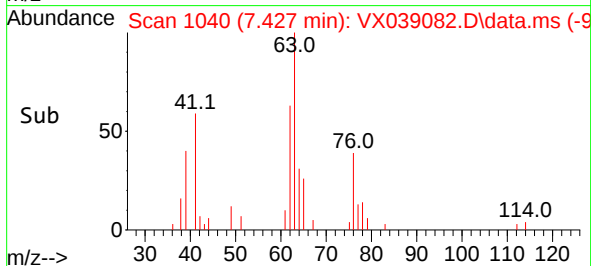
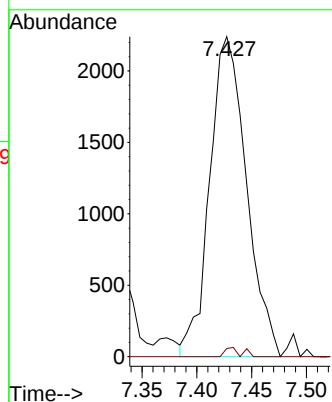
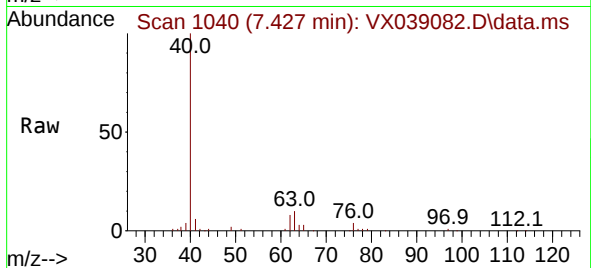
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 63 Resp: 5221

Ion Ratio Lower Upper

63 100

112 0.9 2.8 4.2#



#38

Bromodichloromethane

Concen: 2.342 ug/L

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

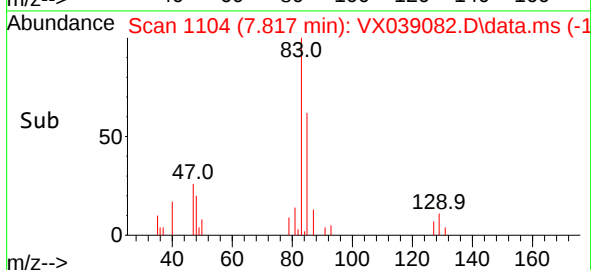
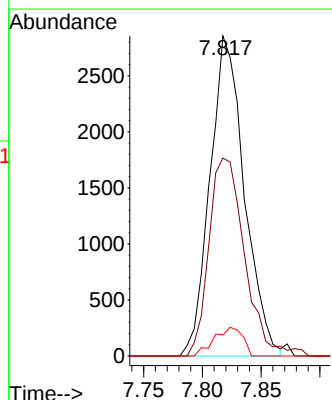
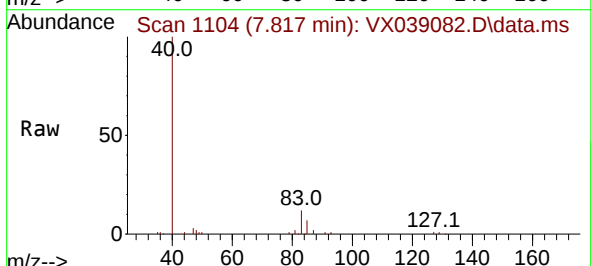
Tgt Ion: 83 Resp: 5802

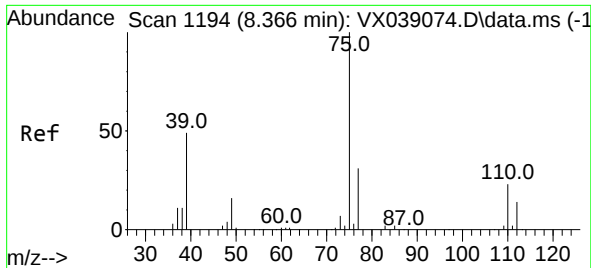
Ion Ratio Lower Upper

83 100

85 61.9 43.3 80.5

127 6.6 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 2.438 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

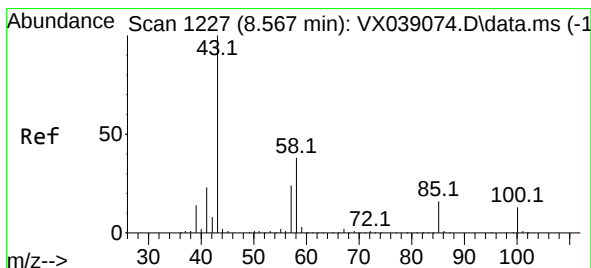
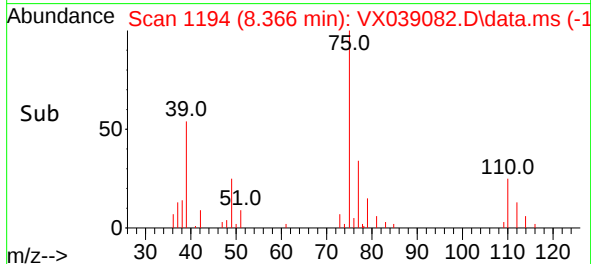
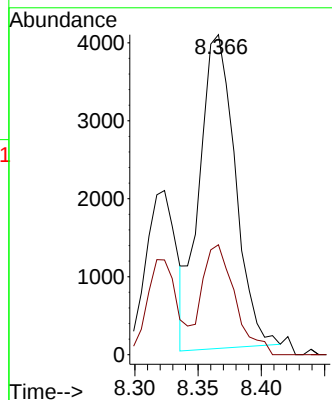
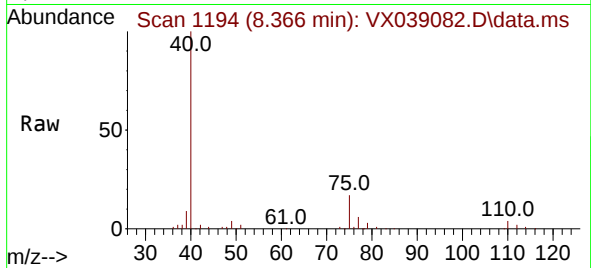
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 75 Resp: 7918

Ion Ratio Lower Upper

75 100

77 34.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 4.758 ug/L

RT: 8.567 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

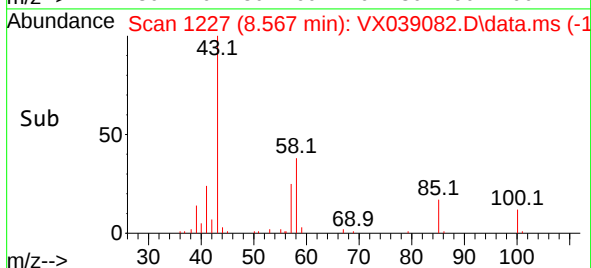
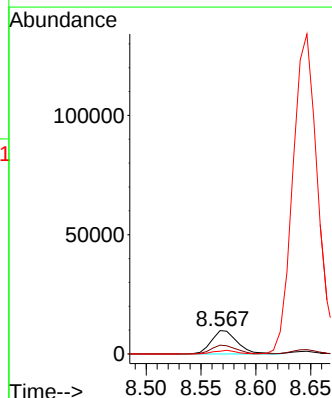
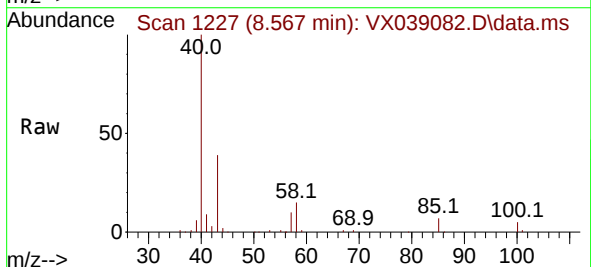
Tgt Ion: 43 Resp: 16242

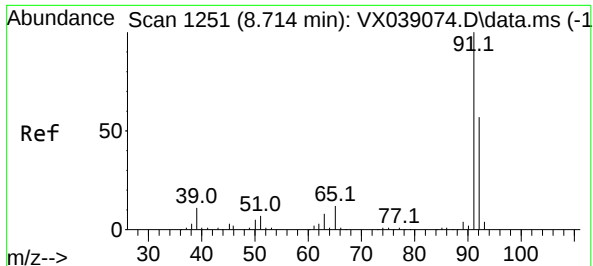
Ion Ratio Lower Upper

43 100

58 35.8 30.9 46.3

100 13.3 10.6 16.0





#42

Toluene

Concen: 2.497 ug/L

RT: 8.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

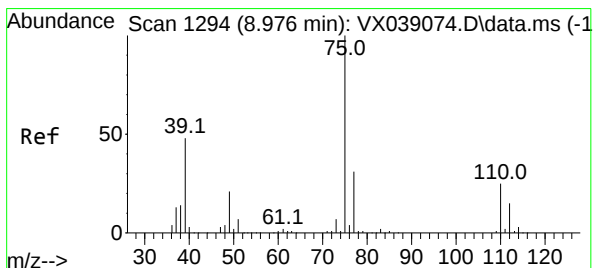
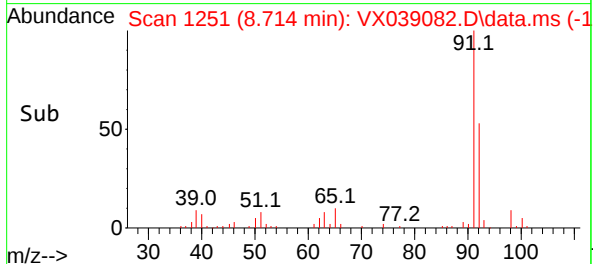
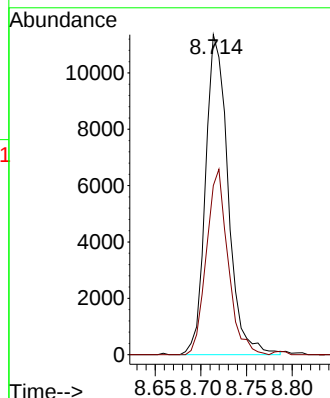
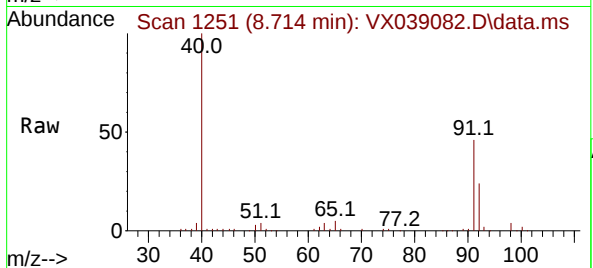
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 91 Resp: 19447

Ion Ratio Lower Upper

91 100

92 52.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 2.505 ug/L m

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX039082.D

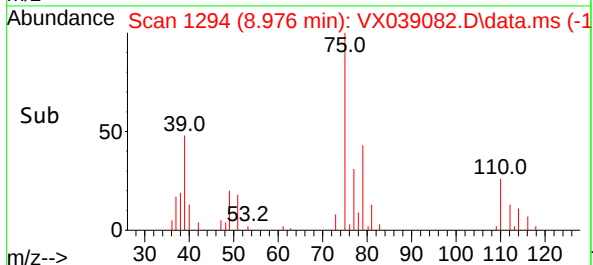
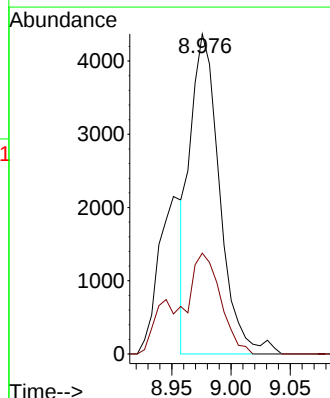
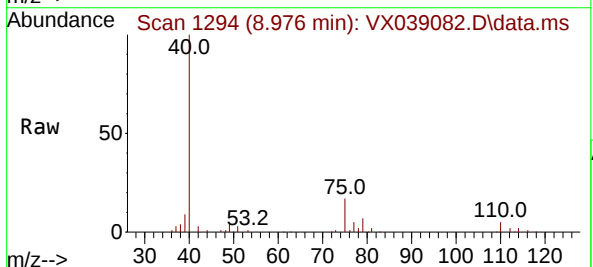
Acq: 05 Dec 2023 14:39

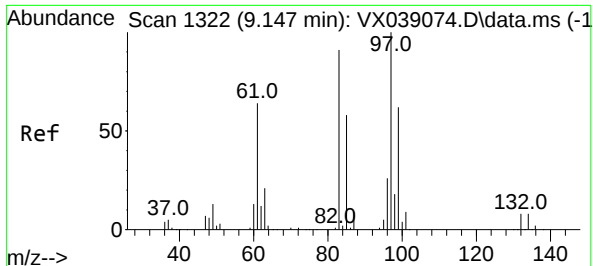
Tgt Ion: 75 Resp: 7550

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 2.357 ug/L

RT: 9.146 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 97 Resp: 4399

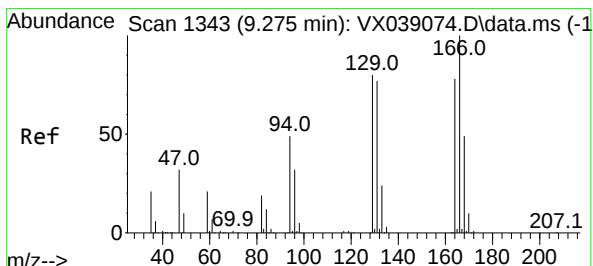
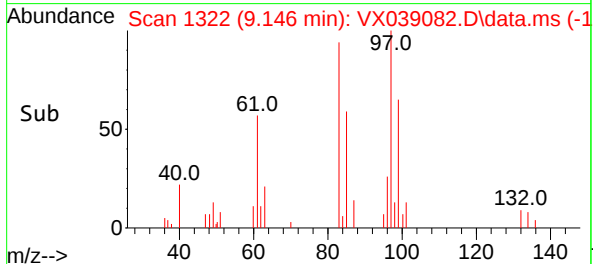
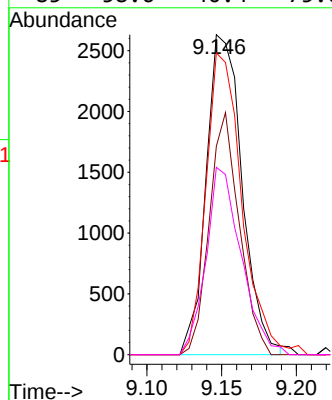
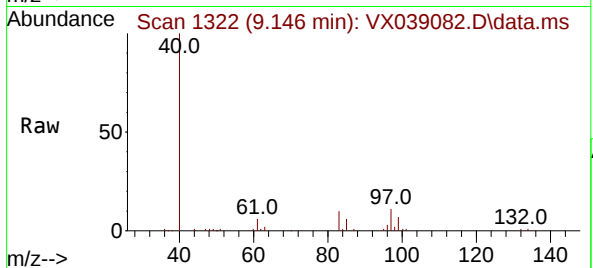
Ion Ratio Lower Upper

97 100

99 65.1 43.1 80.1

83 94.3 64.0 118.8

85 58.6 40.4 75.0



#46

Tetrachloroethene

Concen: 2.481 ug/L

RT: 9.274 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Tgt Ion: 164 Resp: 3176

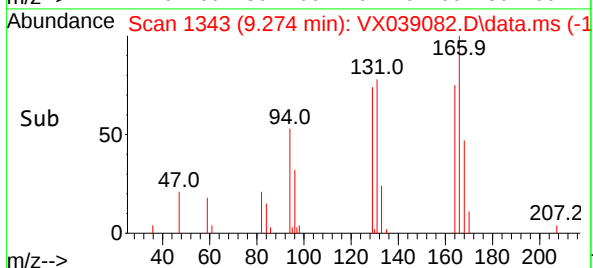
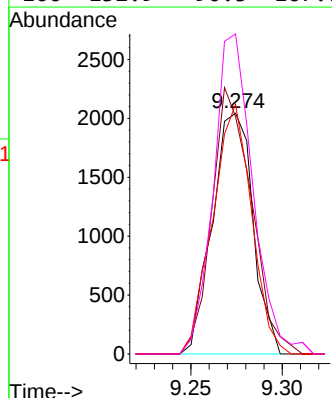
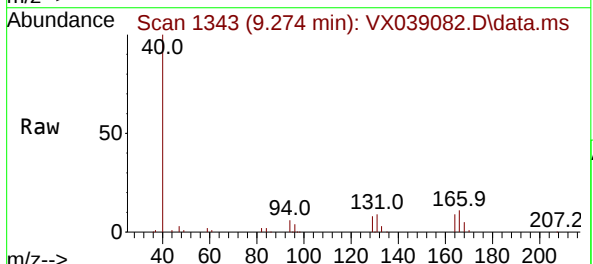
Ion Ratio Lower Upper

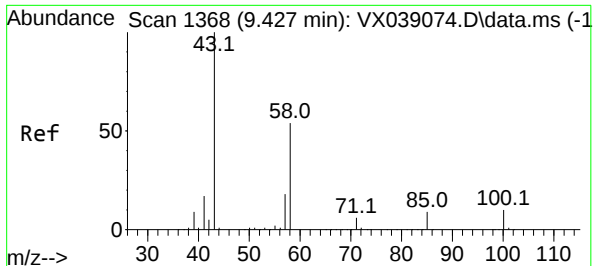
164 100

129 98.5 71.9 133.5

131 103.7 69.5 129.1

166 132.9 90.3 167.7

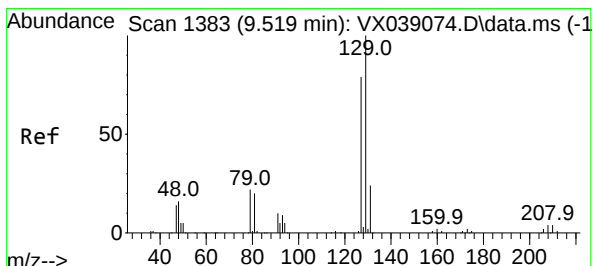
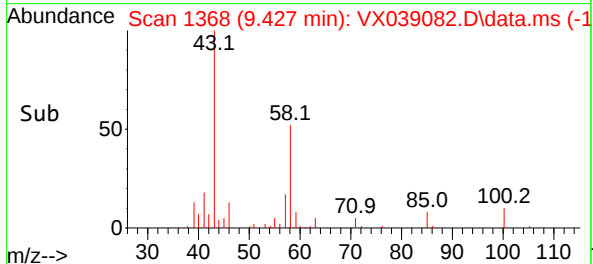
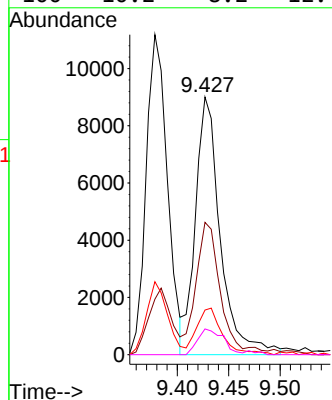
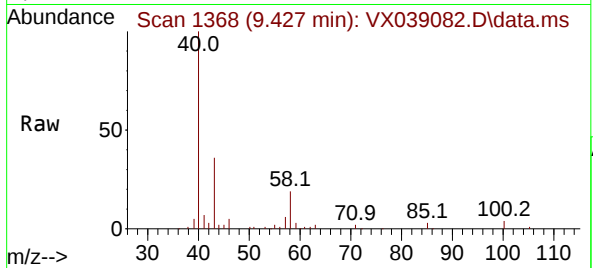




#48
2-Hexanone
Concen: 5.328 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

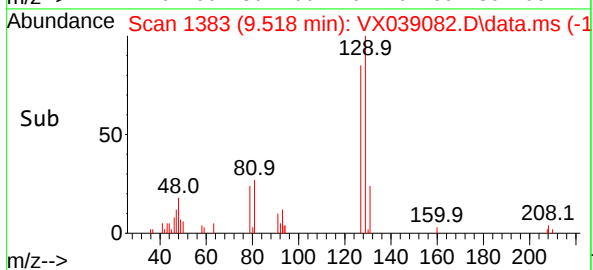
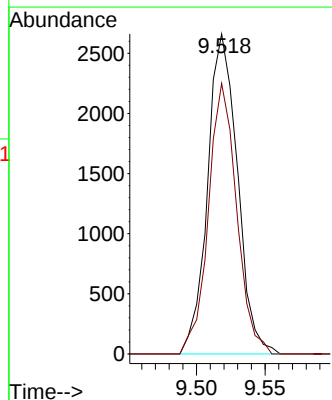
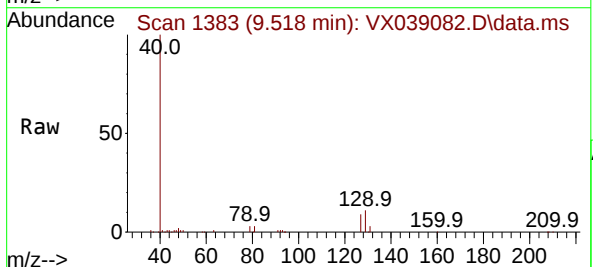
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-08

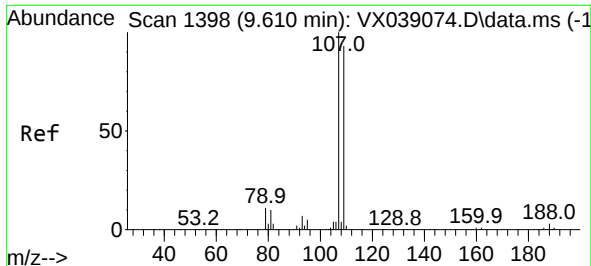
Tgt Ion:	43	Resp:	15220
Ion	Ratio	Lower	Upper
43	100		
58	49.0	43.0	64.6
57	18.4	14.6	21.8
100	10.2	8.2	12.4



#49
Dibromochloromethane
Concen: 2.220 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion:	129	Resp:	4036
Ion	Ratio	Lower	Upper
129	100		
127	84.6	55.2	102.4





#50

1,2-Dibromoethane

Concen: 2.505 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

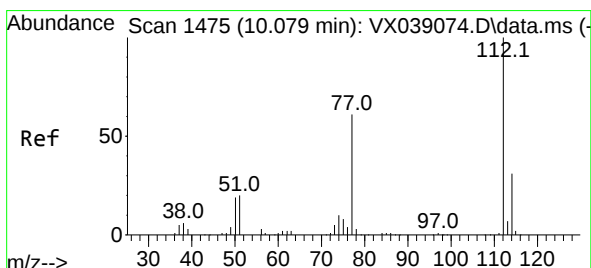
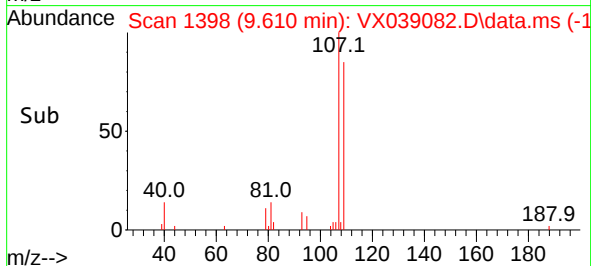
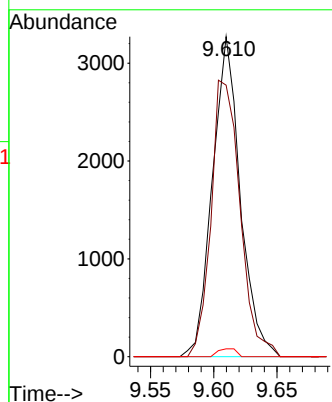
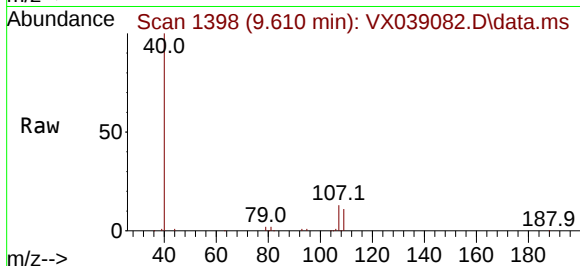
Tgt Ion:107 Resp: 5009

Ion Ratio Lower Upper

107 100

109 84.8 65.2 121.0

188 2.4 2.5 3.7#



#51

Chlorobenzene

Concen: 2.464 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

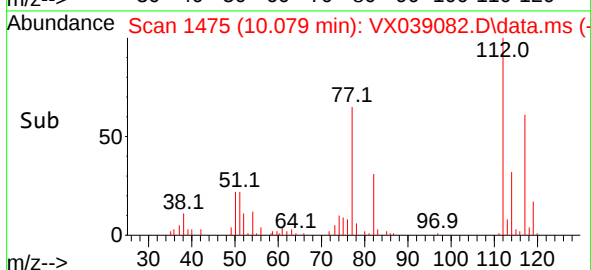
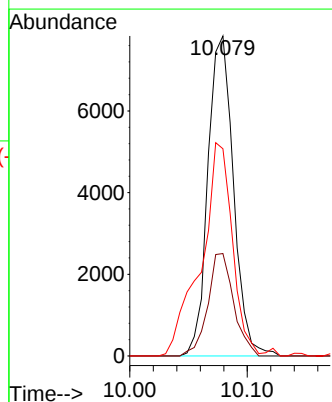
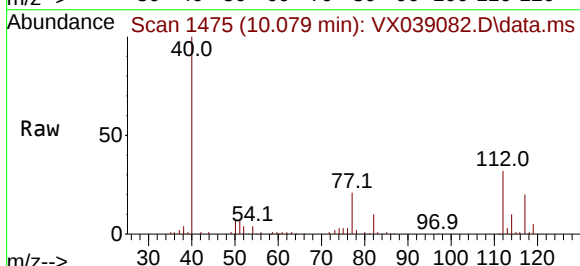
Tgt Ion:112 Resp: 11850

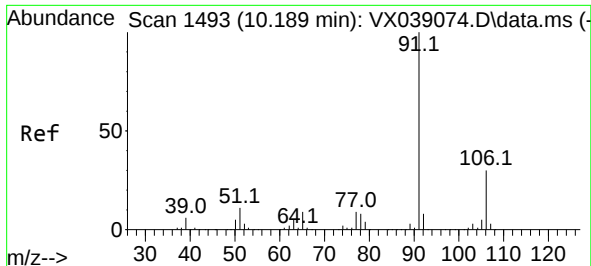
Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.4

77 64.7 49.0 73.6





#52

Ethylbenzene

Concen: 2.377 ug/L

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

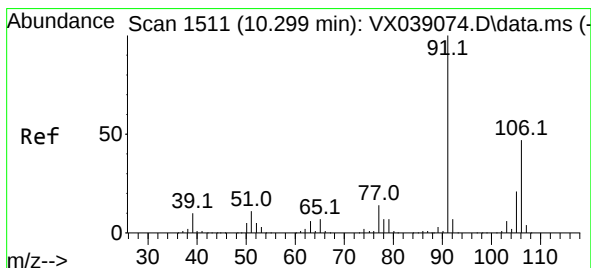
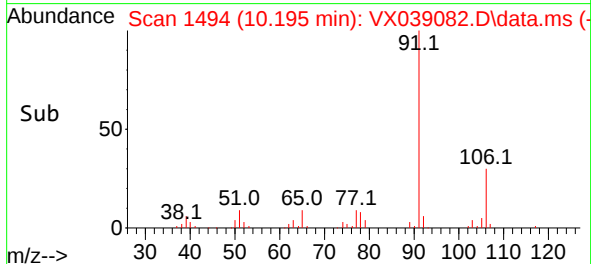
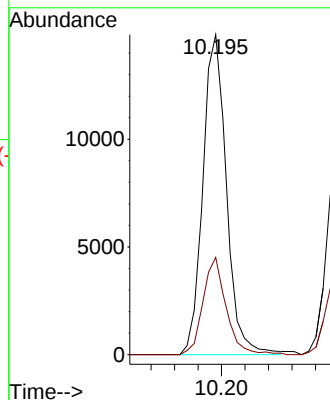
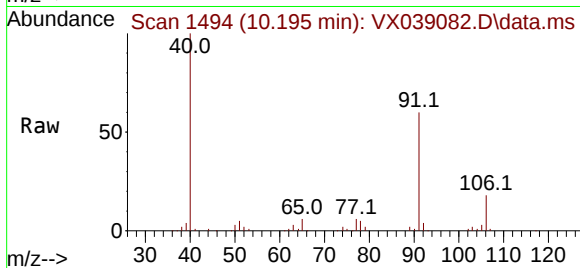
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 91 Resp: 20689

Ion Ratio Lower Upper

91 100

106 30.4 21.2 39.4



#53

m,p-Xylene

Concen: 2.345 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX039082.D

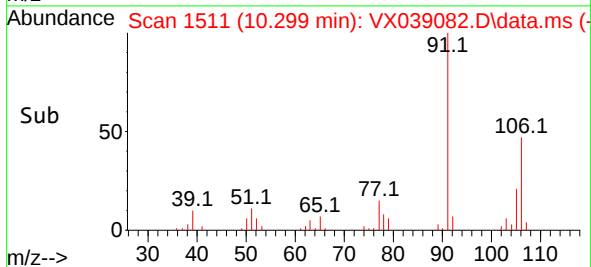
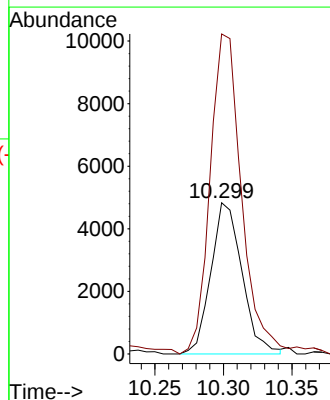
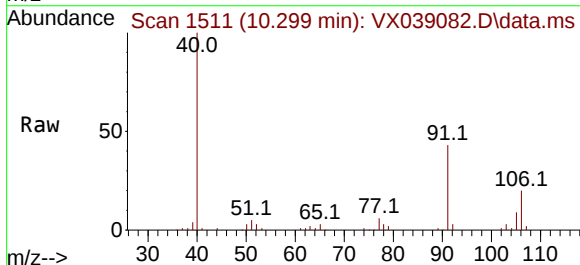
Acq: 05 Dec 2023 14:39

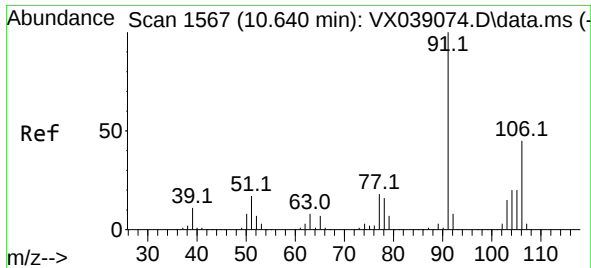
Tgt Ion:106 Resp: 7634

Ion Ratio Lower Upper

106 100

91 211.6 149.0 276.8

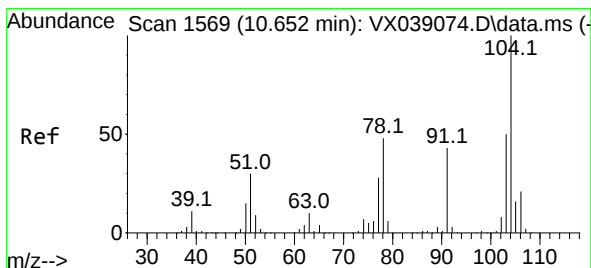
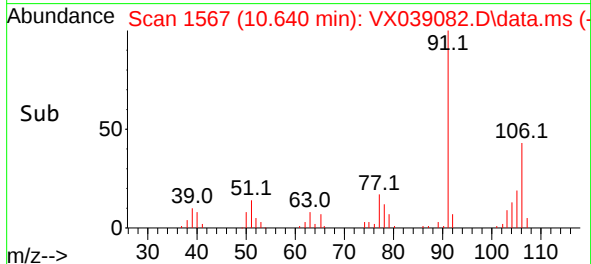
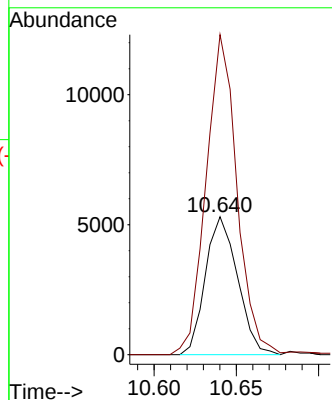
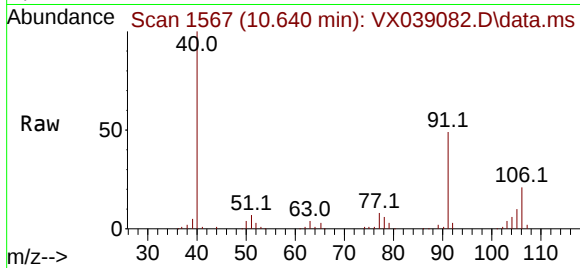




#54
o-Xylene
Concen: 2.313 ug/L
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

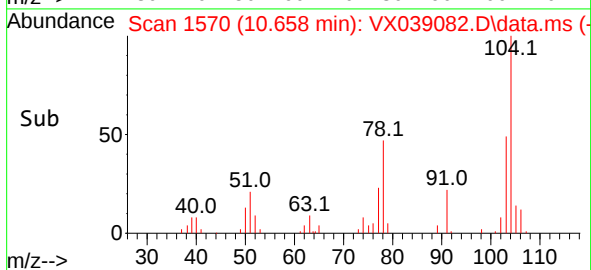
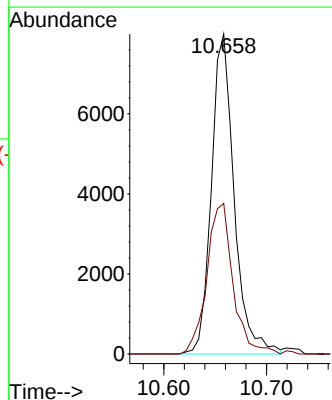
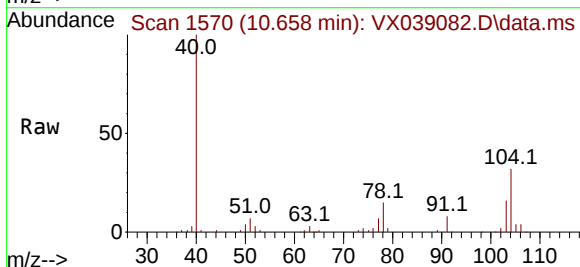
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

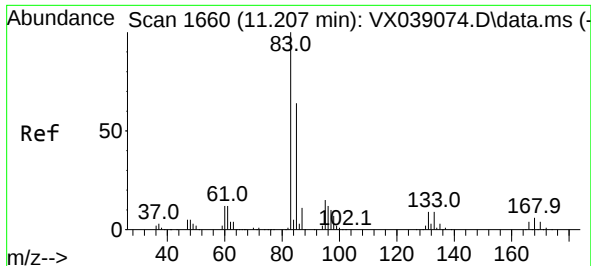
Tgt Ion:106 Resp: 7224
Ion Ratio Lower Upper
106 100
91 231.9 156.2 290.0



#55
Styrene
Concen: 2.297 ug/L
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion:104 Resp: 12273
Ion Ratio Lower Upper
104 100
78 47.0 33.5 62.1





#57

1,1,2-Tetrachloroethane

Concen: 2.581 ug/L

RT: 11.207 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

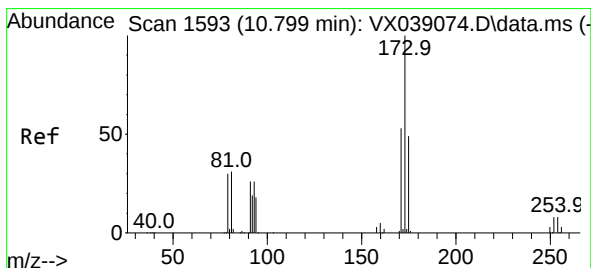
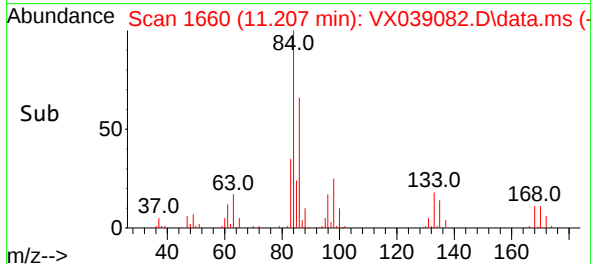
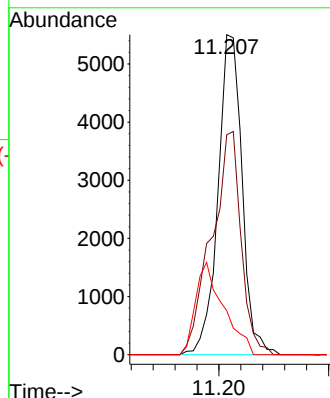
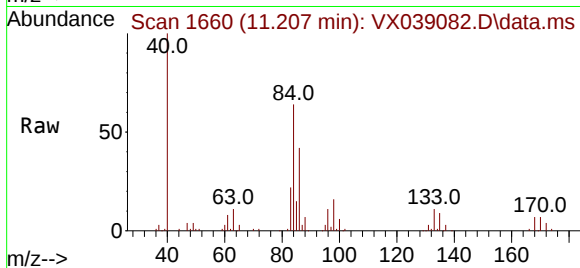
Tgt Ion: 83 Resp: 8408

Ion Ratio Lower Upper

83 100

85 68.8 45.2 84.0

131 13.7 7.2 10.8#



#59

Bromoform

Concen: 2.100 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

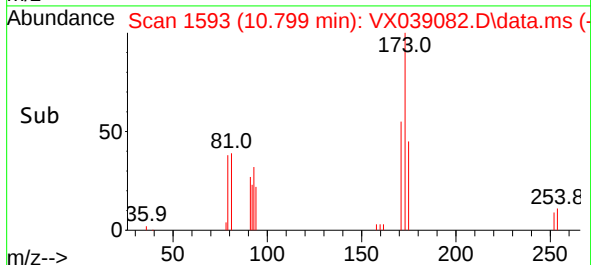
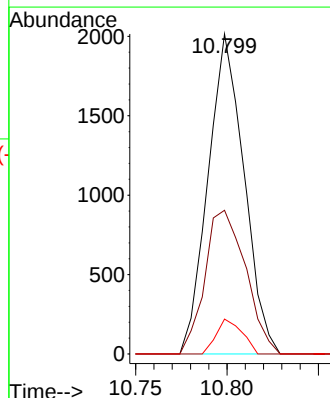
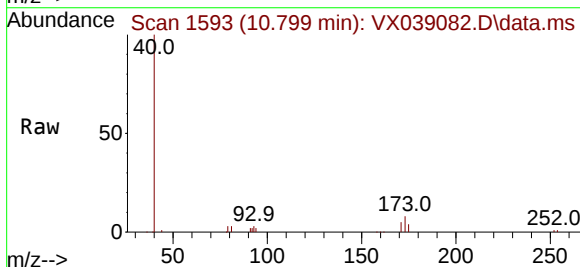
Tgt Ion:173 Resp: 2761

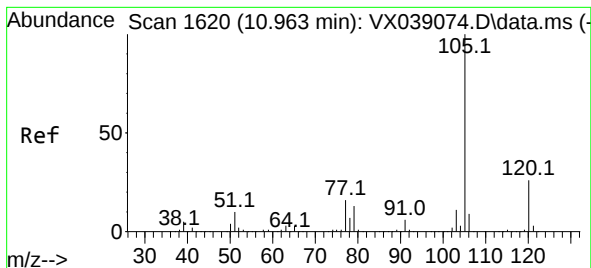
Ion Ratio Lower Upper

173 100

175 50.9 38.7 58.1

254 7.8 6.2 9.2





#60

Isopropylbenzene

Concen: 2.403 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

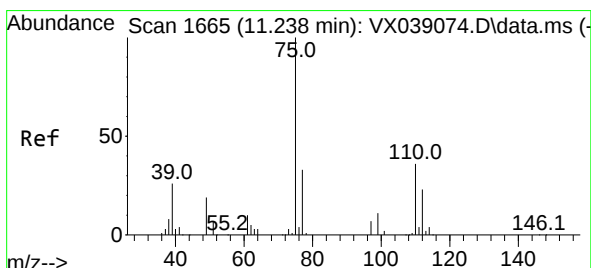
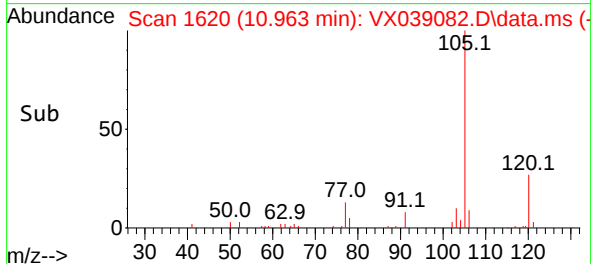
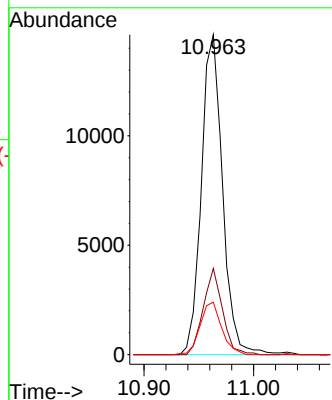
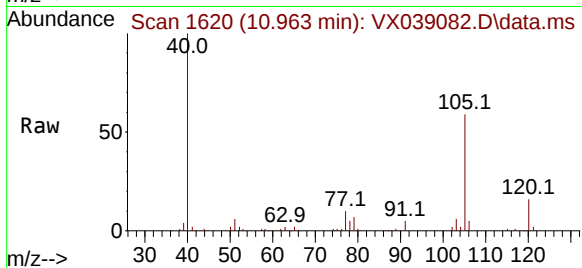
Tgt Ion:105 Resp: 19642

Ion Ratio Lower Upper

105 100

120 24.3 20.5 30.7

77 16.7 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 2.607 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

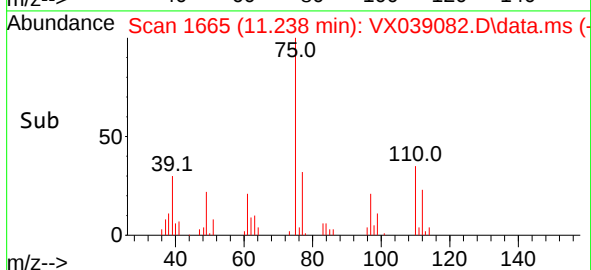
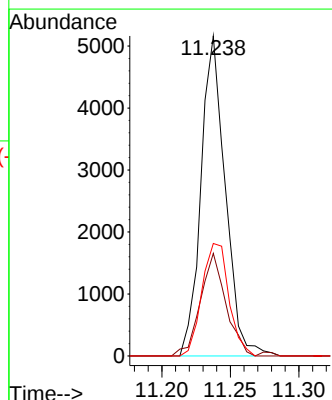
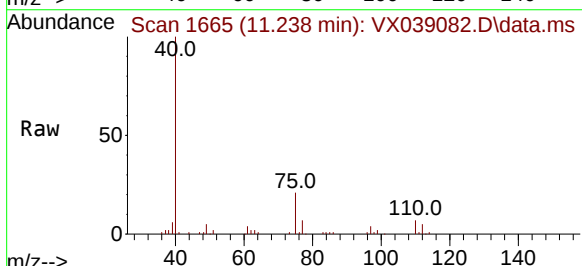
Tgt Ion: 75 Resp: 6387

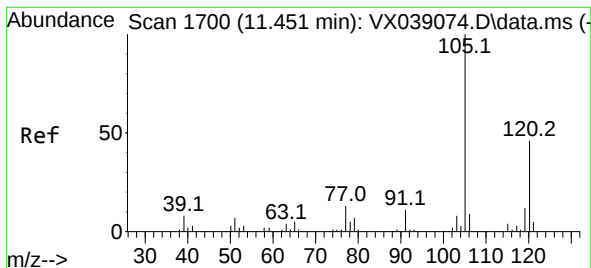
Ion Ratio Lower Upper

75 100

77 33.5 25.8 38.6

110 39.0 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 2.478 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

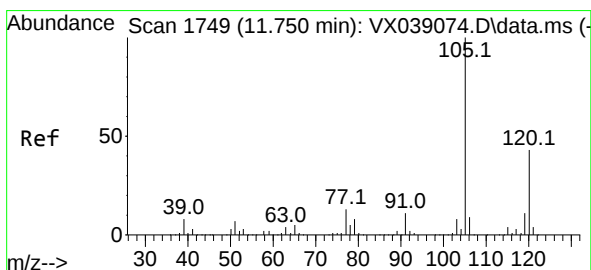
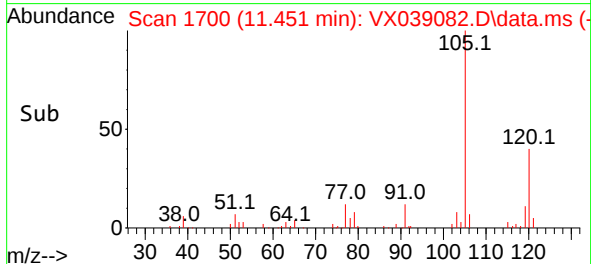
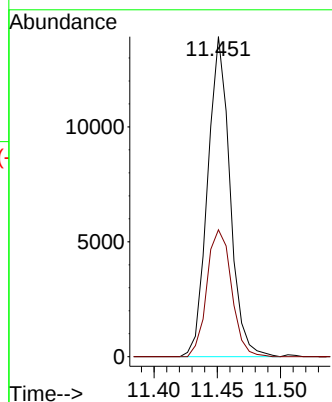
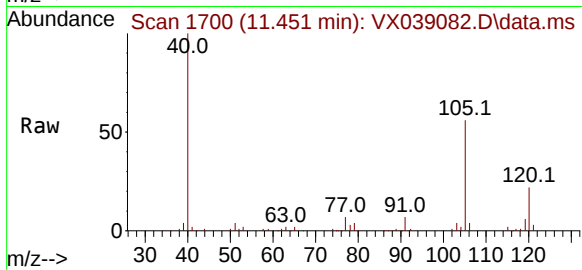
MDL-MED-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 17099

Ion Ratio Lower Upper

105 100

120 43.8 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 2.351 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039082.D

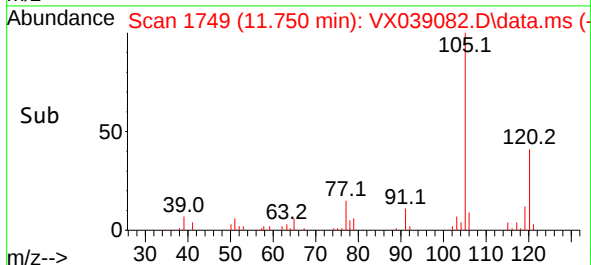
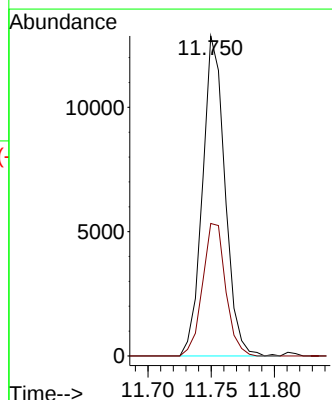
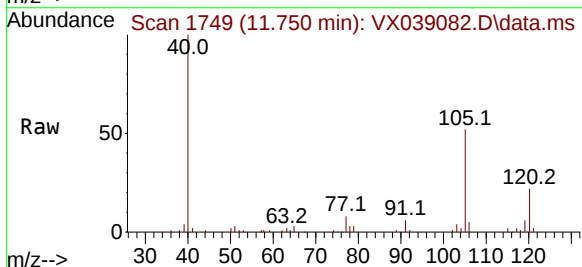
Acq: 05 Dec 2023 14:39

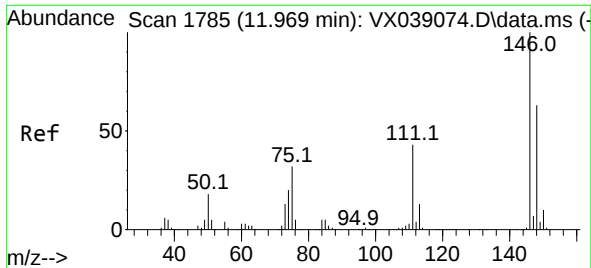
Tgt Ion:105 Resp: 15906

Ion Ratio Lower Upper

105 100

120 42.7 34.9 52.3

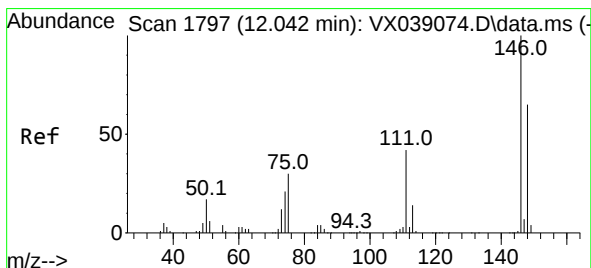
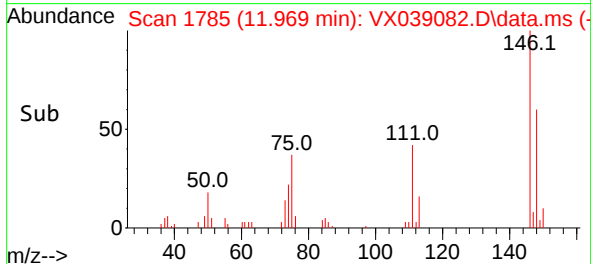
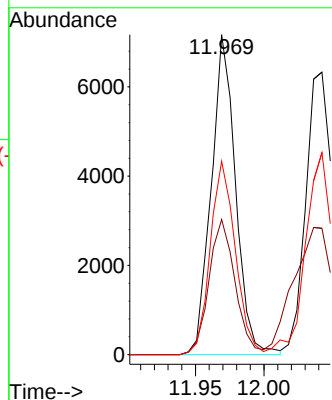
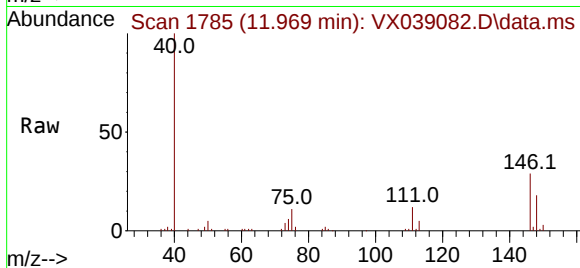




#64
1,3-Dichlorobenzene
Concen: 2.527 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

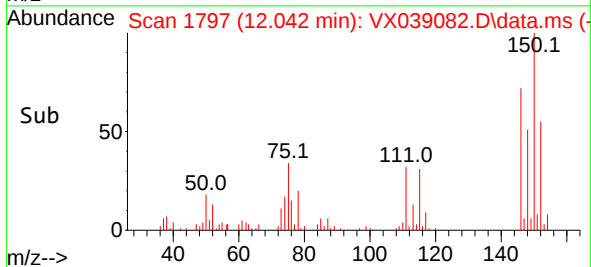
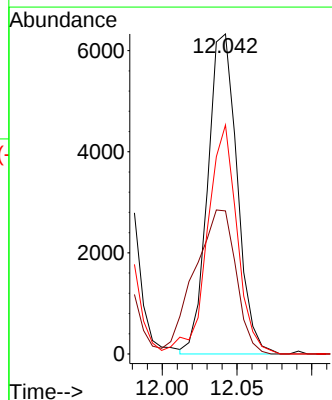
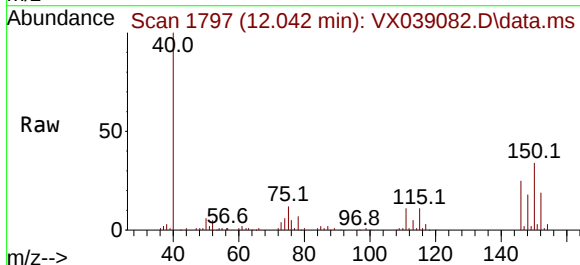
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

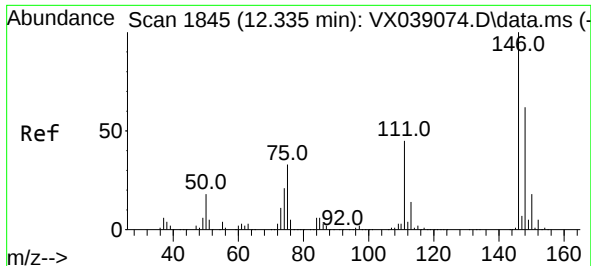
Tgt Ion:146 Resp: 8839
Ion Ratio Lower Upper
146 100
111 42.3 30.0 55.6
148 60.5 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 2.445 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX039082.D
Acq: 05 Dec 2023 14:39

Tgt Ion:146 Resp: 8667
Ion Ratio Lower Upper
146 100
111 44.7 29.7 55.1
148 71.5 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 2.584 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

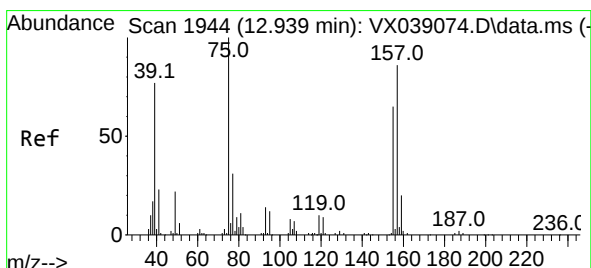
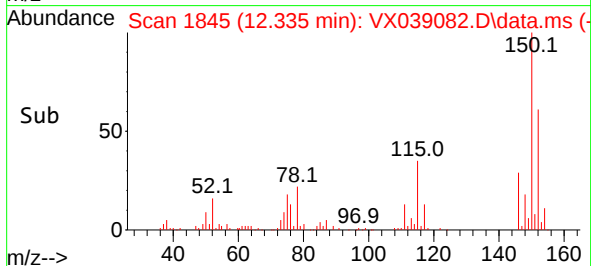
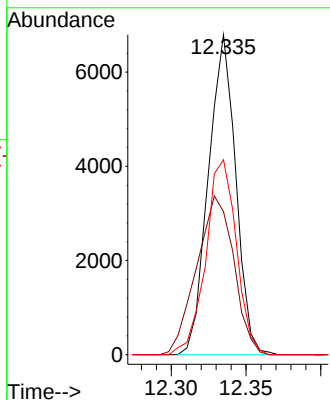
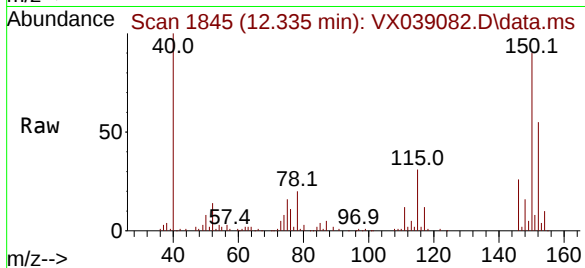
Tgt Ion:146 Resp: 8647

Ion Ratio Lower Upper

146 100

111 44.7 36.4 54.6

148 60.9 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 2.294 ug/L

RT: 12.938 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

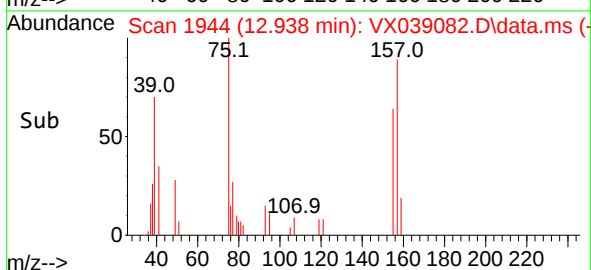
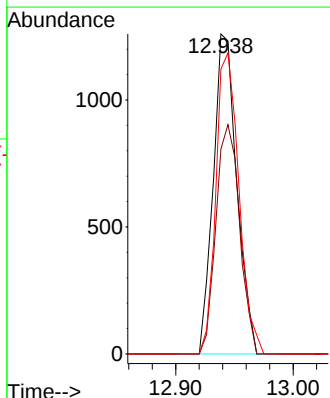
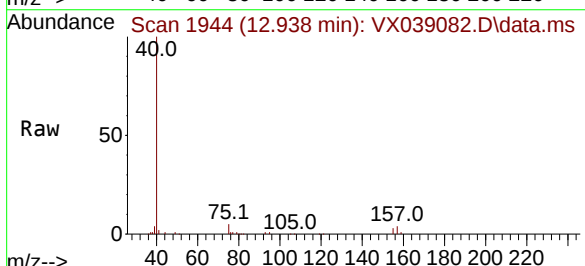
Tgt Ion: 75 Resp: 1754

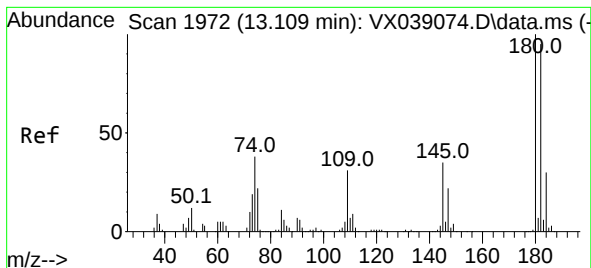
Ion Ratio Lower Upper

75 100

155 64.0 52.3 78.5

157 89.0 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 2.363 ug/L

RT: 13.115 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VX039082.D

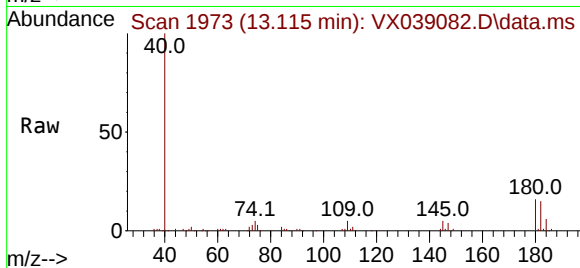
Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08



Tgt Ion:180 Resp: 5466

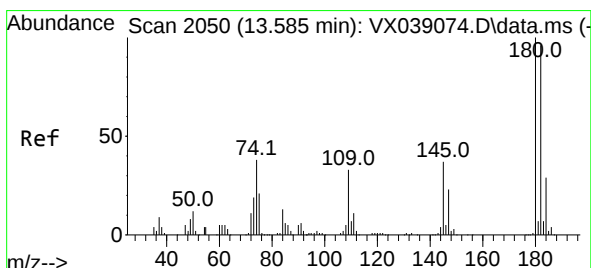
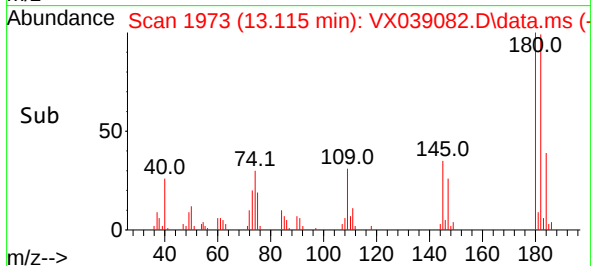
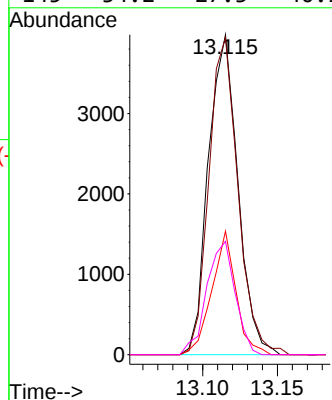
Ion Ratio Lower Upper

180 100

182 97.5 76.1 114.1

184 31.6 24.1 36.1

145 34.2 27.3 40.9



#70

1,2,4-trichlorobenzene

Concen: 2.536 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

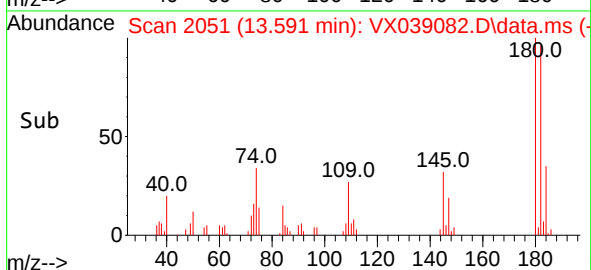
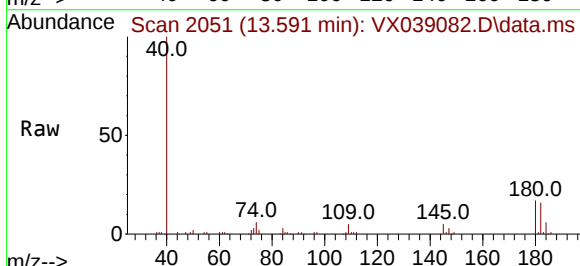
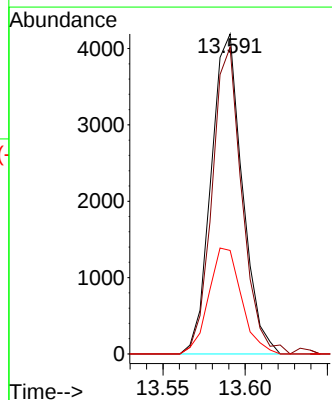
Tgt Ion:180 Resp: 5532

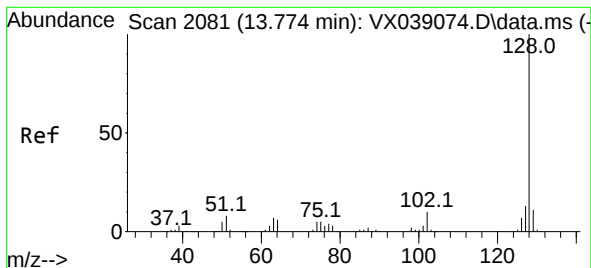
Ion Ratio Lower Upper

180 100

182 91.7 76.8 115.2

145 34.7 27.8 41.6





#71

Naphthalene

Concen: 2.473 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

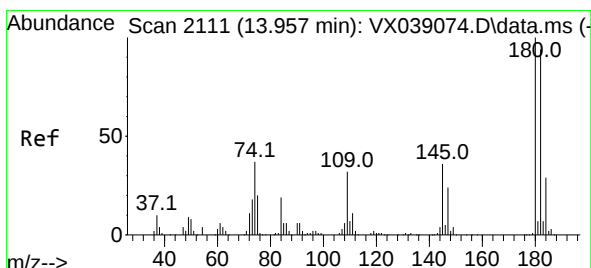
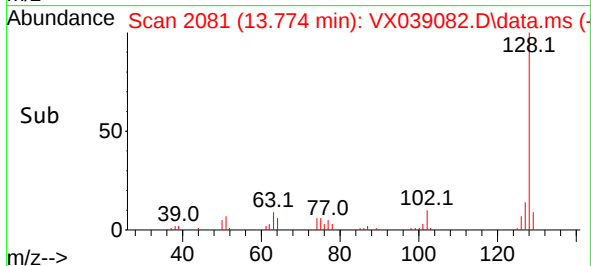
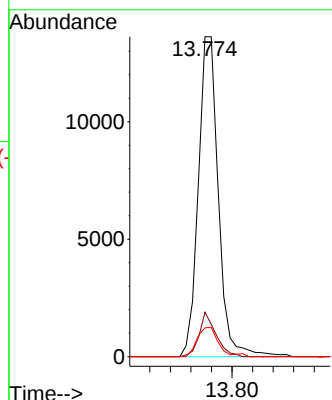
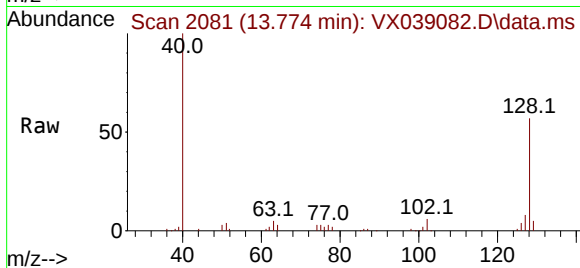
Tgt Ion:128 Resp: 18499

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.4

129 9.3 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 2.580 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039082.D

Acq: 05 Dec 2023 14:39

Tgt Ion:180 Resp: 5448

Ion Ratio Lower Upper

180 100

182 92.6 75.9 113.9

145 35.8 28.6 42.8

