

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020323\
 Data File : VX034004.D
 Acq On : 03 Feb 2023 11:05
 Operator : JC/MD
 Sample : 01378-05
 Misc : 5.00g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Feb 04 03:19:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 04 03:17:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	224453	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	196501	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	104119	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	59737	39.962	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.920%
7) Chloroethane-d5	1.672	69	43451	47.880	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.760%
11) 1,1-Dichloroethene-d2	2.306	63	94423	34.473	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.940%
21) 2-Butanone-d5	4.452	46	85105	99.301	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.300%
24) Chloroform-d	5.056	84	124173	46.309	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.620%
26) 1,2-Dichloroethane-d4	5.952	65	77235	47.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.480%
32) Benzene-d6	5.970	84	262672	46.633	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.260%
36) 1,2-Dichloropropane-d6	7.305	67	78603	47.201	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.400%
41) Toluene-d8	8.647	98	246797	46.188	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.380%
43) trans-1,3-Dichloroprop...	8.952	79	34264	45.340	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.680%
47) 2-Hexanone-d5	9.384	63	61828	99.006	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.010%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	102068	48.879	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.760%
66) 1,2-Dichlorobenzene-d4	12.317	152	102690	49.275	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4296	2.573	ug/L	99
3) Chloromethane	1.294	50	4117	2.701	ug/L	87
5) Vinyl chloride	1.374	62	4404	2.857	ug/L #	80
6) Bromomethane	1.617	94	2161	2.704	ug/L	89
8) Chloroethane	1.691	64	2255	2.752	ug/L	99
9) Trichlorofluoromethane	1.892	101	6201	2.839	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5202	3.443	ug/L	90
12) 1,1-Dichloroethene	2.319	96	4681	3.387	ug/L #	1
13) Acetone	2.380	43	4893	5.549	ug/L	100
14) Carbon disulfide	2.514	76	9700	2.593	ug/L	98
15) Methyl Acetate	2.703	43	4081	2.905	ug/L	98
16) Methylene chloride	2.788	84	4495	3.072	ug/L	96
17) trans-1,2-Dichloroethene	3.093	96	4002	2.805	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	11469	2.761	ug/L	99
19) 1,1-Dichloroethane	3.611	63	6976	2.802	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	4492	2.755	ug/L	95
22) 2-Butanone	4.556	43	3277	2.991	ug/L #	73
23) Bromochloromethane	4.897	128	2479	2.770	ug/L	80
27) 1,2-Dichloroethane	6.086	62	5960	3.020	ug/L	97

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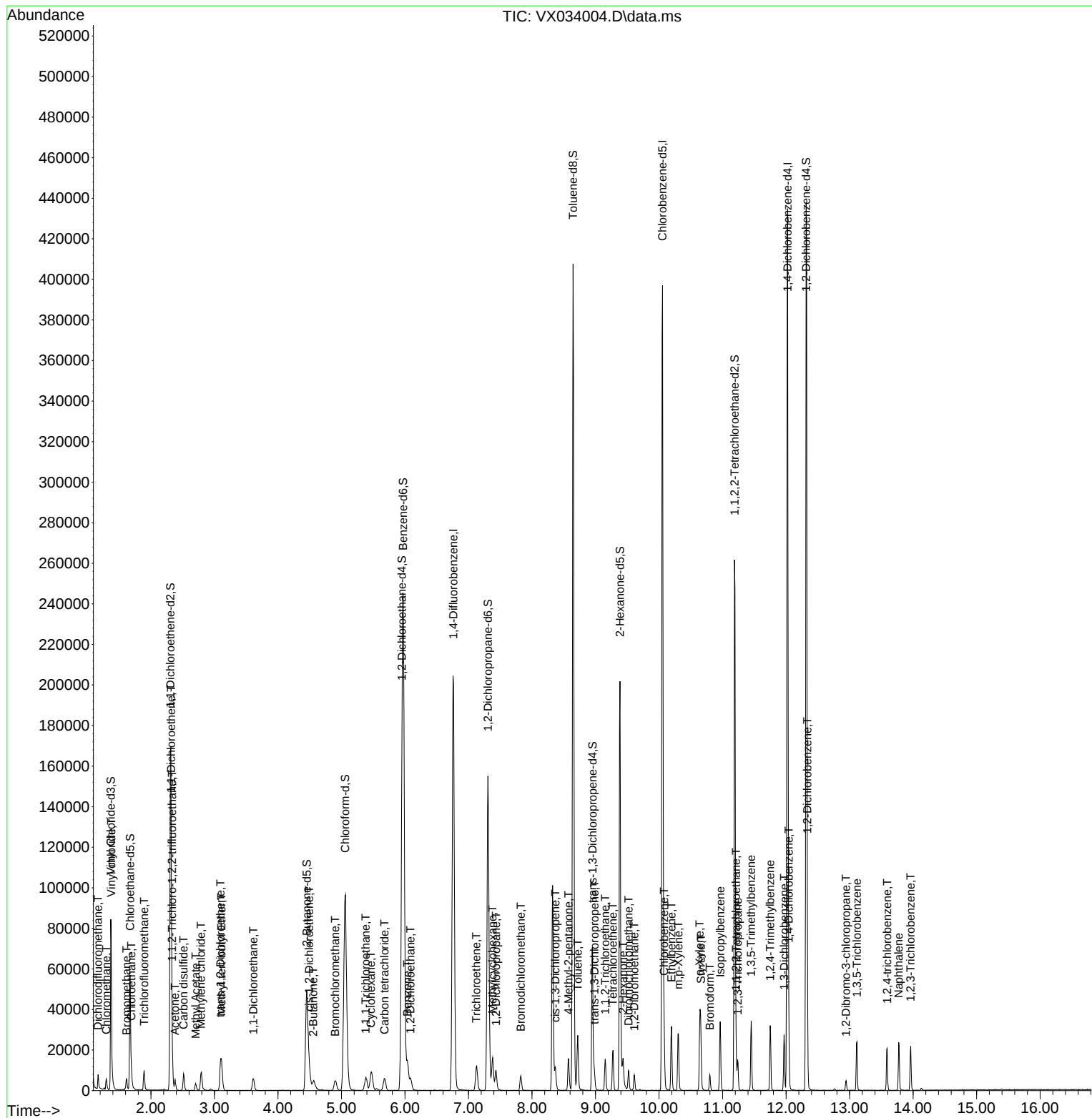
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.464	56	6519	2.712	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	5954	2.681	ug/L	97
31) Carbon tetrachloride	5.678	117	5647	2.733	ug/L	98
33) Benzene	6.037	78	16425	2.811	ug/L	100
34) Trichloroethene	7.123	95	4509	2.847	ug/L	91
35) Methylcyclohexane	7.379	83	6893	2.730	ug/L	95
37) 1,2-Dichloropropane	7.434	63	4310	2.896	ug/L #	87
38) Bromodichloromethane	7.824	83	5013	2.649	ug/L #	98
39) cis-1,3-Dichloropropene	8.366	75	6446	2.822	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	9784	5.342	ug/L	99
42) Toluene	8.720	91	17848	2.855	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	5758	2.833	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	4206	2.792	ug/L	97
46) Tetrachloroethene	9.275	164	4260	2.802	ug/L	96
48) 2-Hexanone	9.433	43	8646	5.924	ug/L	92
49) Dibromochloromethane	9.518	129	4392	2.702	ug/L	95
50) 1,2-Dibromoethane	9.610	107	4576	2.827	ug/L	98
51) Chlorobenzene	10.079	112	12243	2.899	ug/L	95
52) Ethylbenzene	10.195	91	19220	2.798	ug/L	95
53) m,p-Xylene	10.305	106	7376	2.675	ug/L	99
54) o-Xylene	10.640	106	7489	2.811	ug/L	96
55) Styrene	10.659	104	12042	2.695	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.213	83	6846	3.232	ug/L	91
59) Bromoform	10.799	173	3223	2.544	ug/L #	98
60) Isopropylbenzene	10.963	105	18798	2.764	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	4768	3.016	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	15363	2.759	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	14520	2.646	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	9645	2.852	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	9965	2.911	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	9751	2.948	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	1045	2.698	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.115	180	7026	2.754	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	6015	2.598	ug/L	98
71) Naphthalene	13.774	128	15976	2.492	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	6130	2.682	ug/L	98

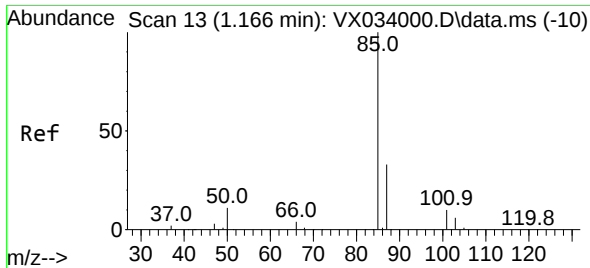
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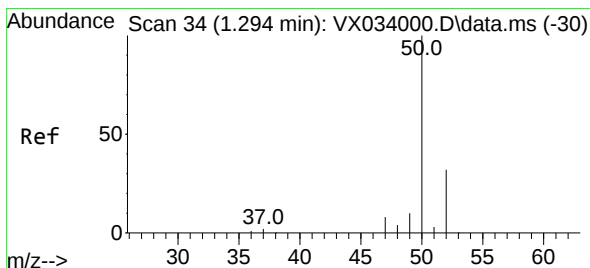
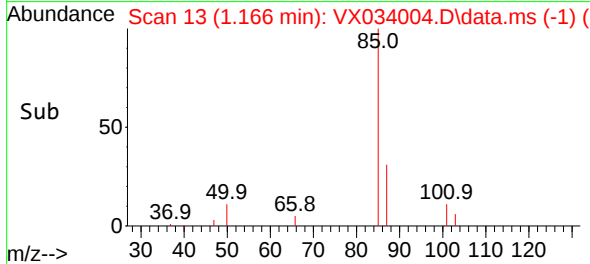
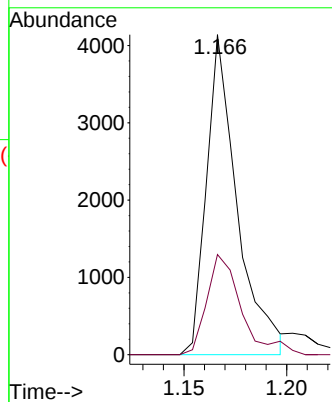
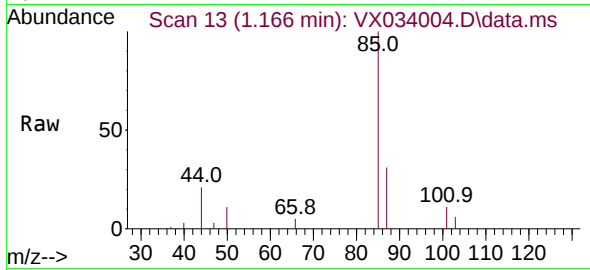




#2
Dichlorodifluoromethane
Concen: 2.573 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

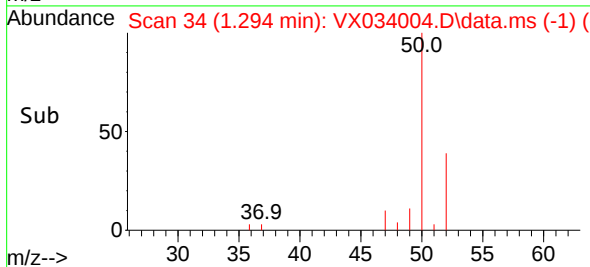
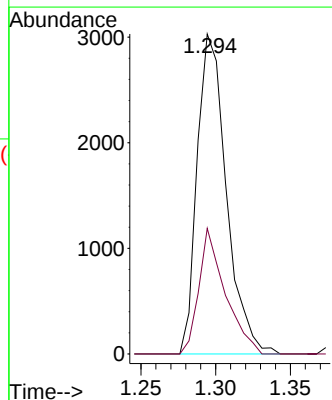
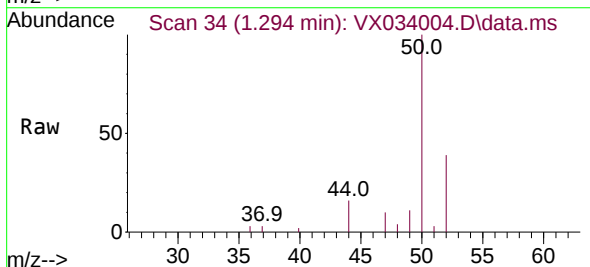
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

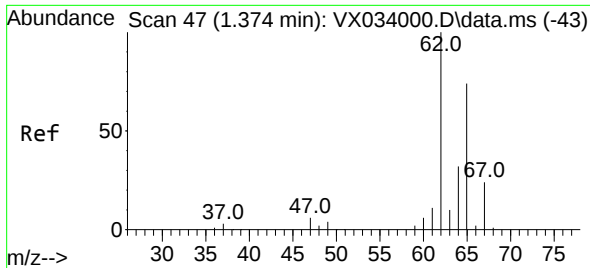
Tgt Ion: 85 Resp: 4296
Ion Ratio Lower Upper
85 100
87 33.1 25.9 38.9



#3
Chloromethane
Concen: 2.701 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 50 Resp: 4117
Ion Ratio Lower Upper
50 100
52 39.3 22.5 41.7

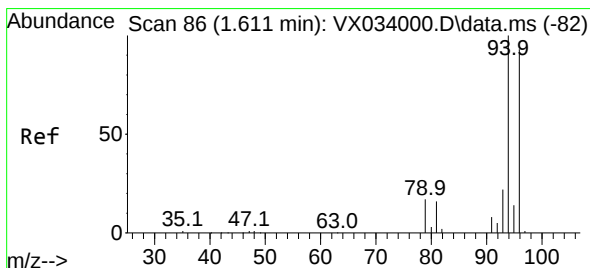
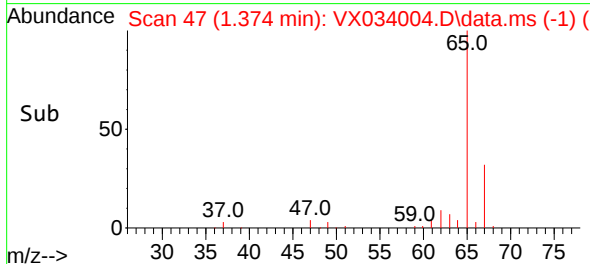
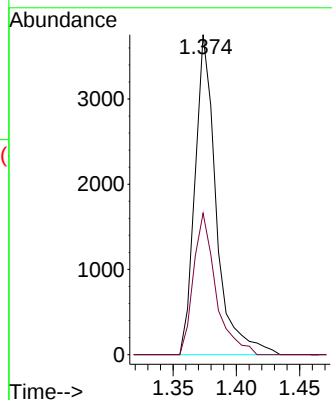
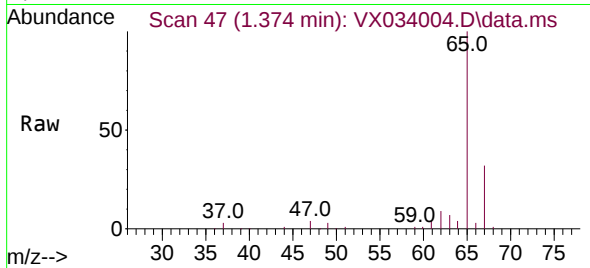




#5
 Vinyl chloride
 Concen: 2.857 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034004.D
 Acq: 03 Feb 2023 11:05

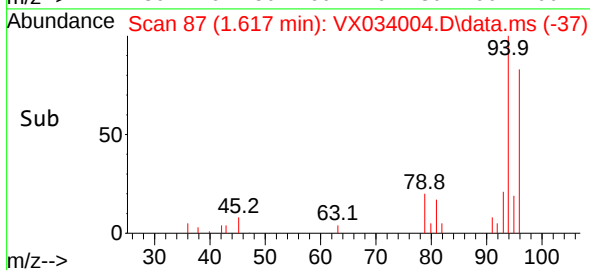
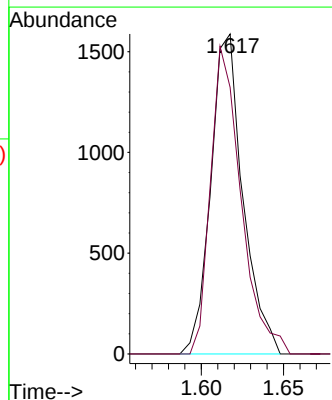
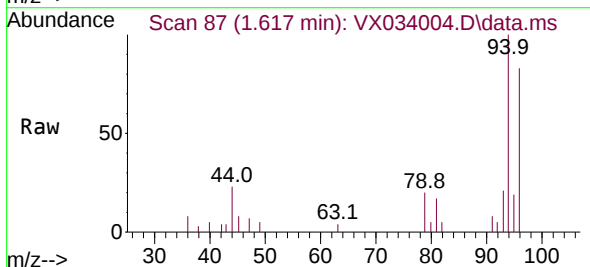
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

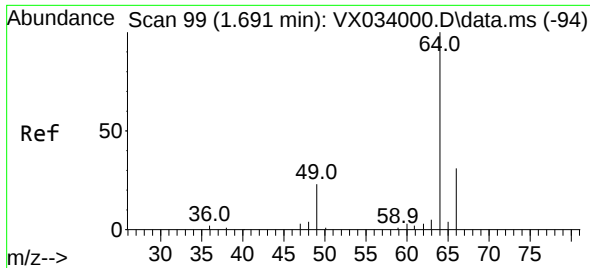
Tgt Ion: 62 Resp: 4404
 Ion Ratio Lower Upper
 62 100
 64 44.2 23.2 43.0#



#6
 Bromomethane
 Concen: 2.704 ug/L
 RT: 1.617 min Scan# 87
 Delta R.T. 0.006 min
 Lab File: VX034004.D
 Acq: 03 Feb 2023 11:05

Tgt Ion: 94 Resp: 2161
 Ion Ratio Lower Upper
 94 100
 96 83.3 65.7 122.1

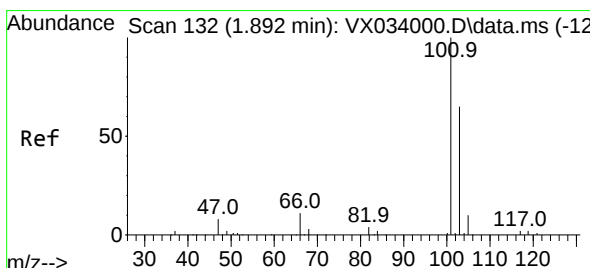
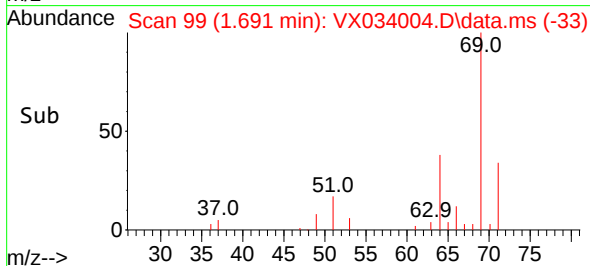
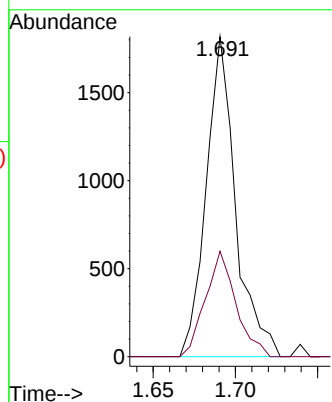
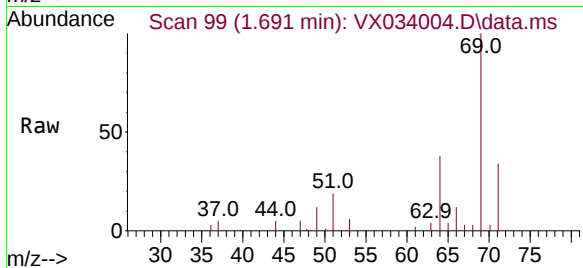




#8
Chloroethane
Concen: 2.752 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

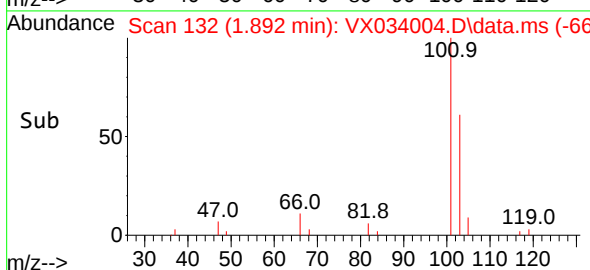
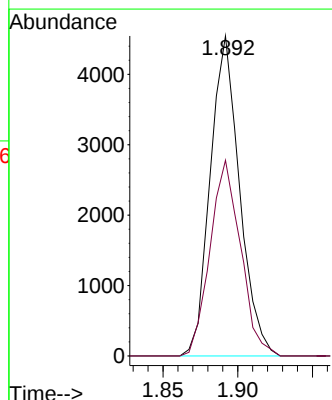
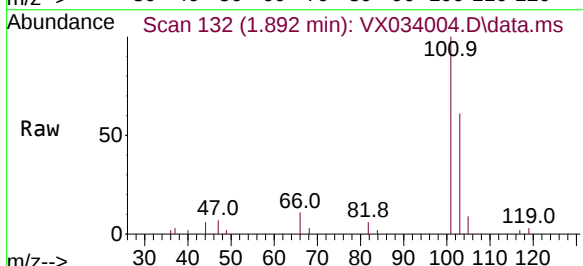
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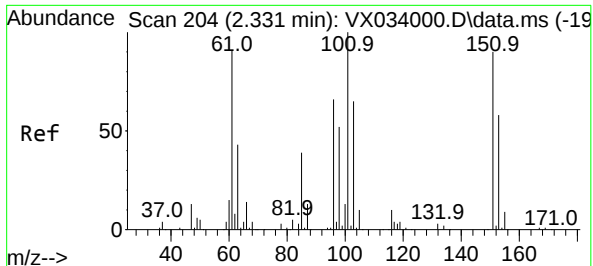
Tgt Ion: 64 Resp: 2255
Ion Ratio Lower Upper
64 100
66 32.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.839 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 101 Resp: 6201
Ion Ratio Lower Upper
101 100
103 63.7 52.6 78.8





#10

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

Concen: 3.443 ug/L

RT: 2.331 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

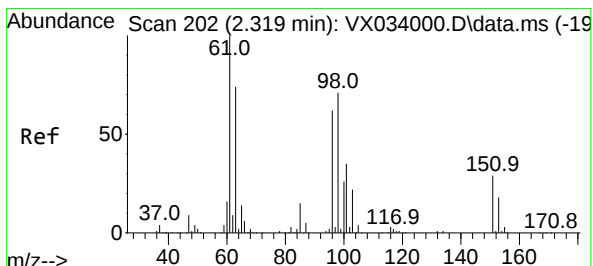
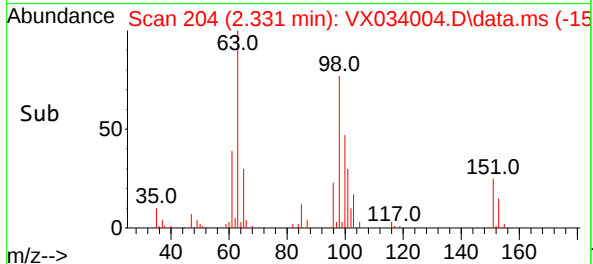
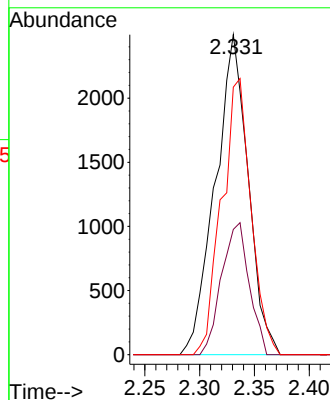
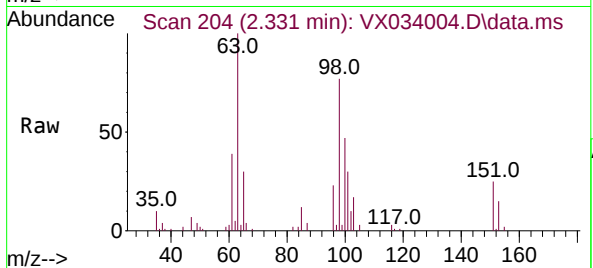
Tgt Ion:101 Resp: 5202

Ion Ratio Lower Upper

101 100

85 34.6 32.2 48.4

151 76.5 69.3 103.9



#12

1,1-Dichloroethene

Concen: 3.387 ug/L

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

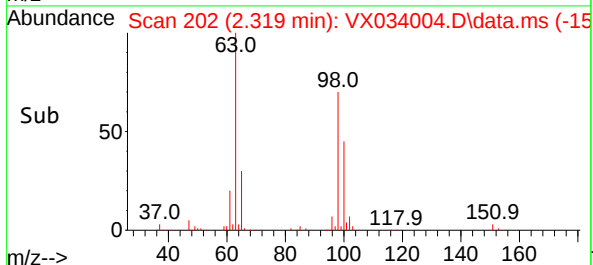
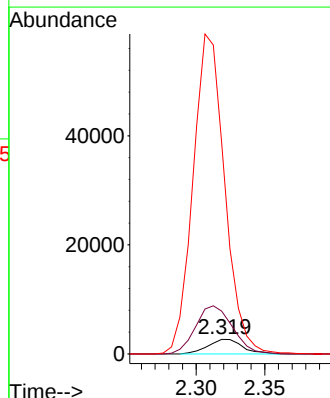
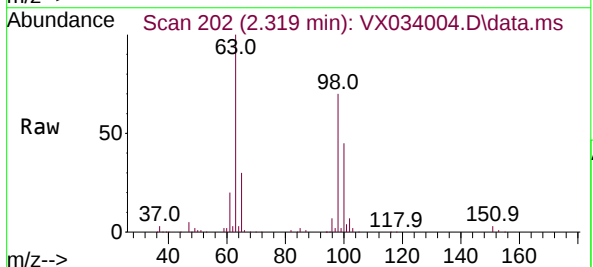
Tgt Ion: 96 Resp: 4681

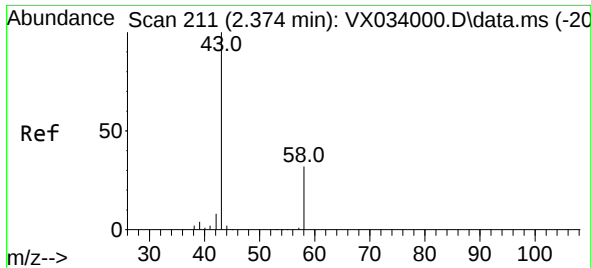
Ion Ratio Lower Upper

96 100

61 293.2 107.6 199.8#

63 1446.9 69.6 129.2#





#13

Acetone

Concen: 5.549 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

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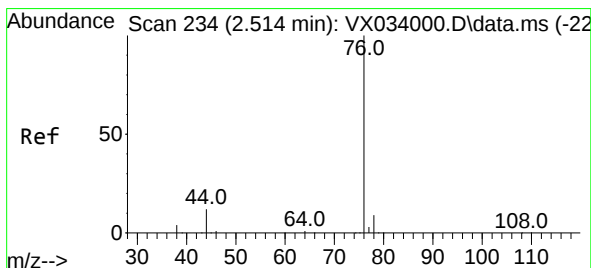
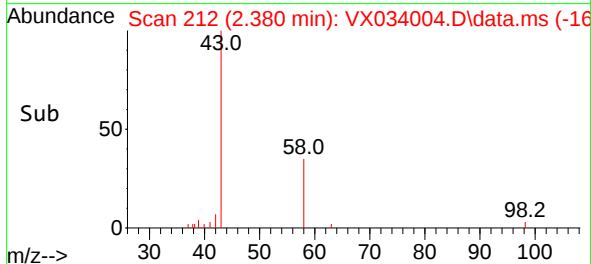
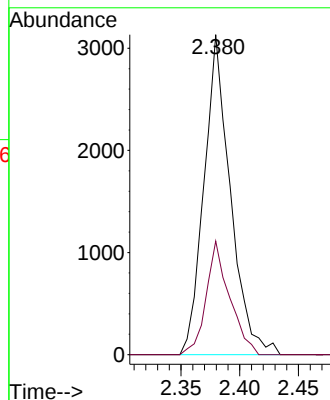
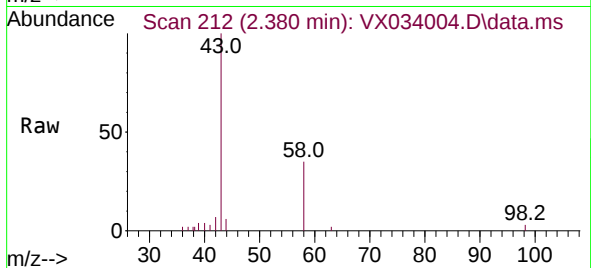
MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 4893

Ion Ratio Lower Upper

43 100

58 31.6 0.0 62.8



#14

Carbon disulfide

Concen: 2.593 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX034004.D

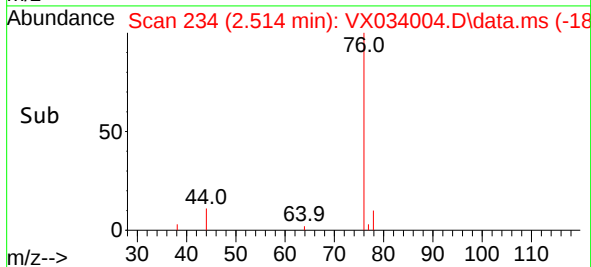
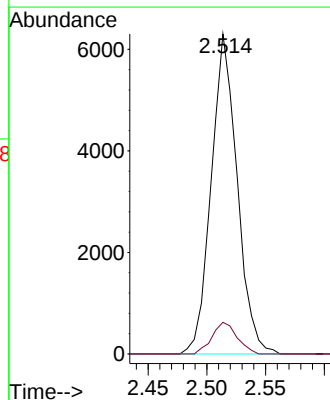
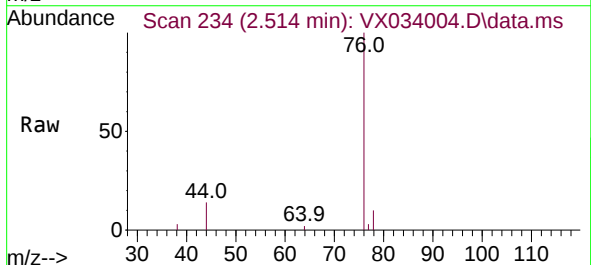
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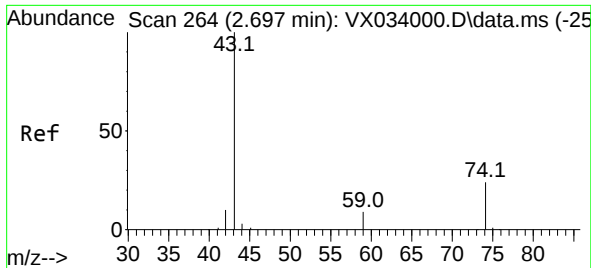
Tgt Ion: 76 Resp: 9700

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2

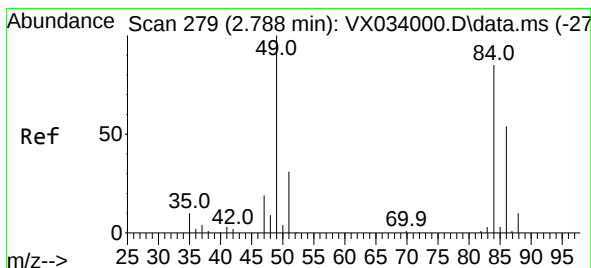
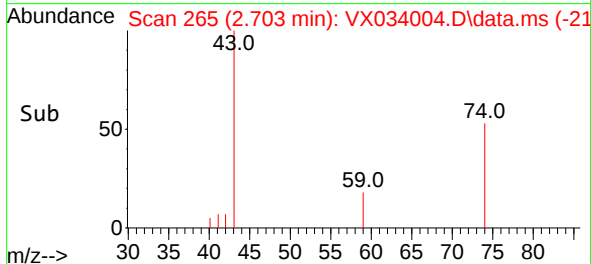
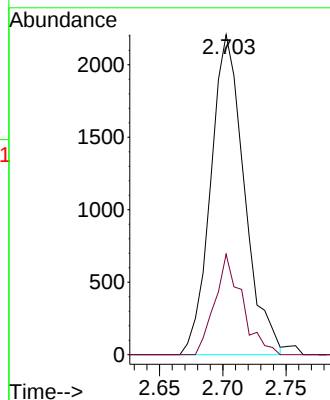
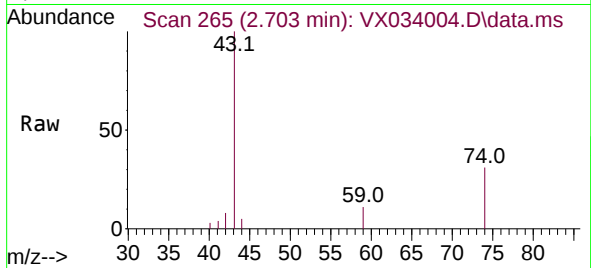




#15
Methyl Acetate
Concen: 2.905 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

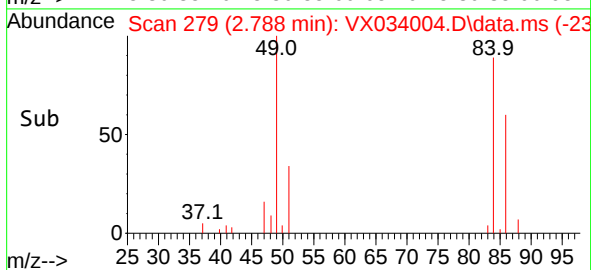
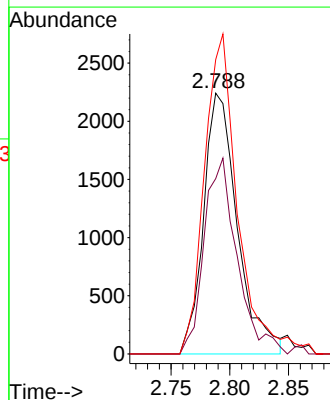
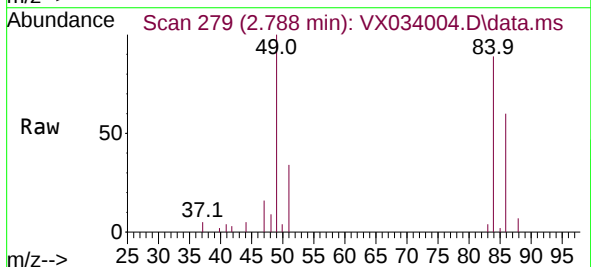
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

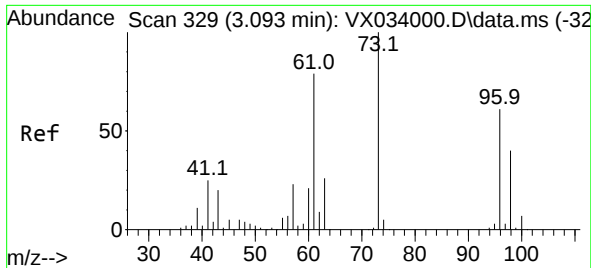
Tgt Ion: 43 Resp: 4081
Ion Ratio Lower Upper
43 100
74 25.5 19.7 29.5



#16
Methylene chloride
Concen: 3.072 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 84 Resp: 4495
Ion Ratio Lower Upper
84 100
86 67.2 45.2 84.0
49 112.9 82.5 153.1

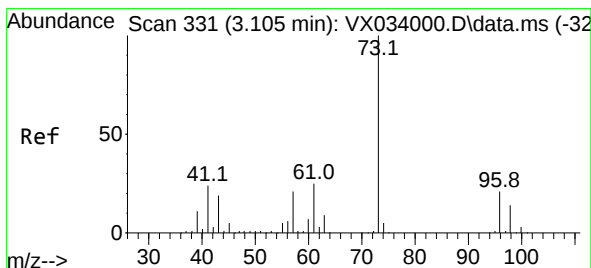
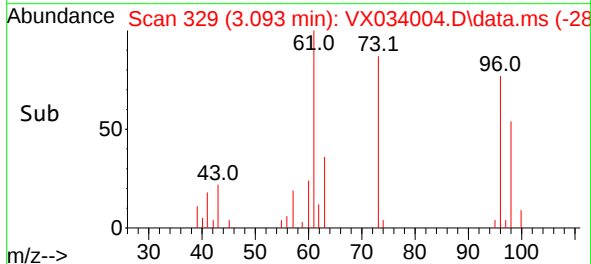
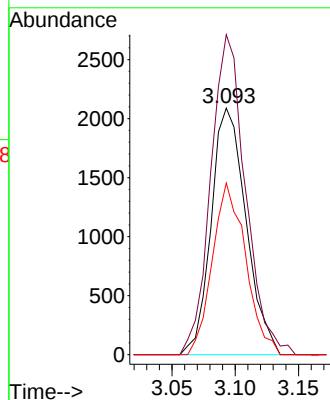
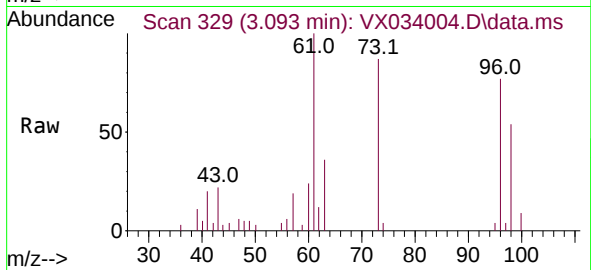




#17
trans-1,2-Dichloroethene
Concen: 2.805 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

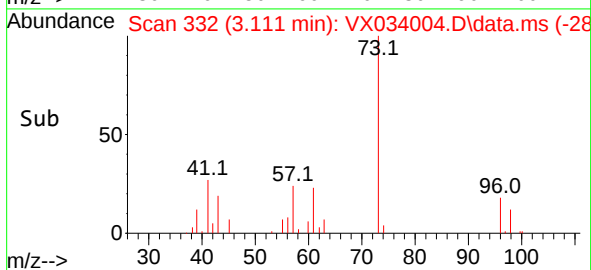
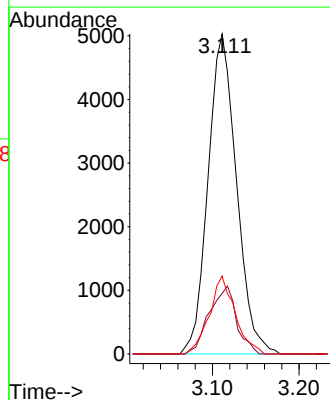
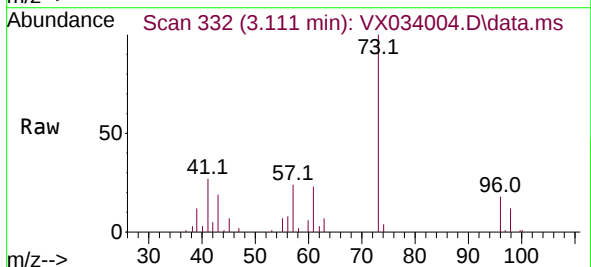
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

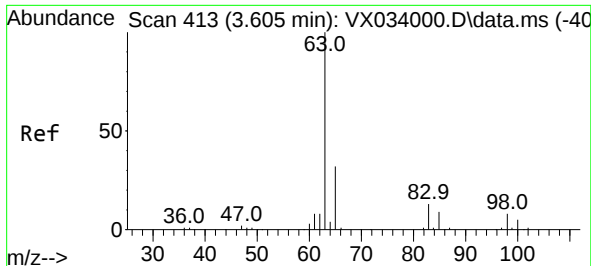
Tgt Ion: 96 Resp: 4002
Ion Ratio Lower Upper
96 100
61 129.8 87.7 162.9
98 69.7 45.4 84.4



#18
Methyl tert-butyl Ether
Concen: 2.761 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 73 Resp: 11469
Ion Ratio Lower Upper
73 100
43 20.3 15.6 23.4
57 22.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 2.802 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

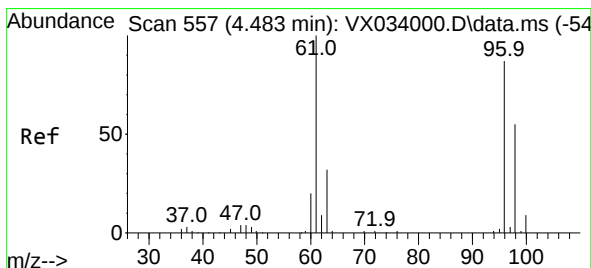
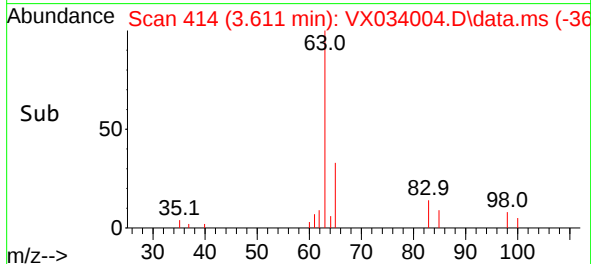
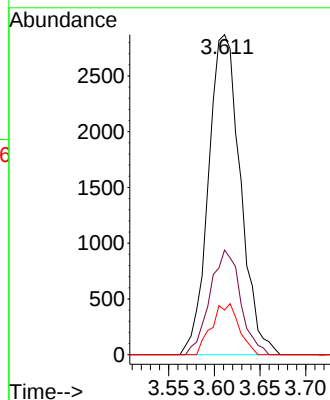
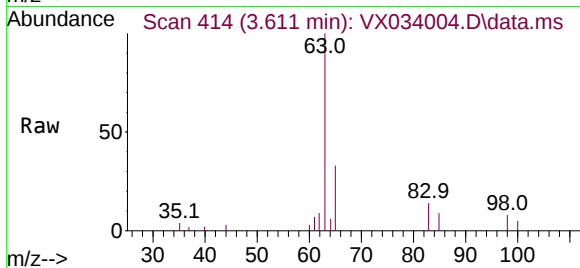
Tgt Ion: 63 Resp: 6976

Ion Ratio Lower Upper

63 100

65 32.7 21.9 40.7

83 13.9 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 2.755 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

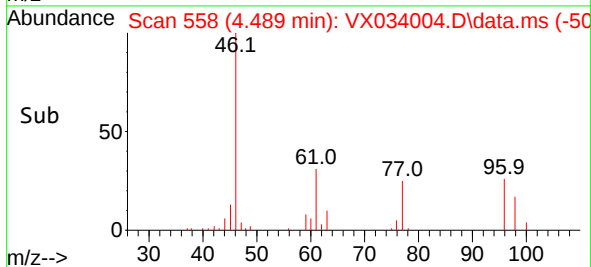
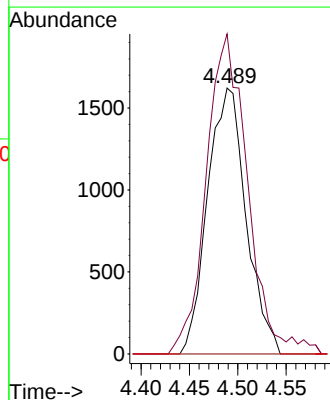
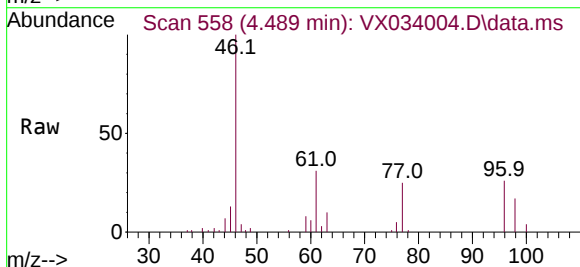
Tgt Ion: 96 Resp: 4492

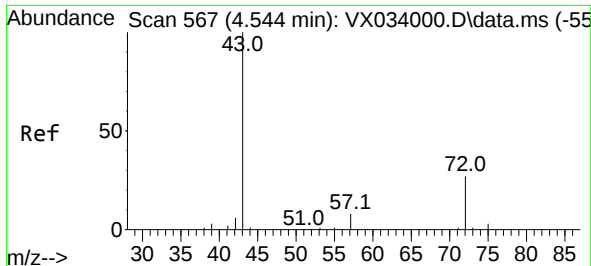
Ion Ratio Lower Upper

96 100

61 120.3 80.3 149.1

68 0.0 0.0 0.0

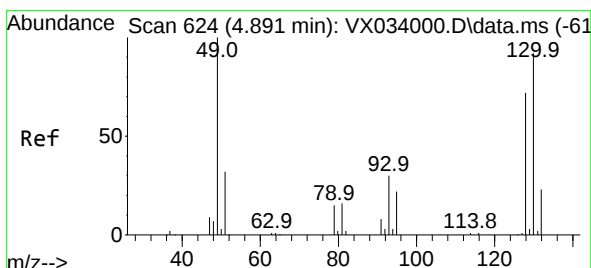
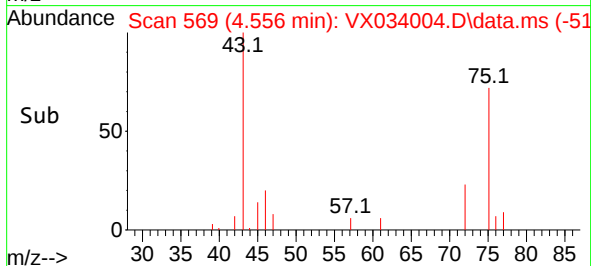
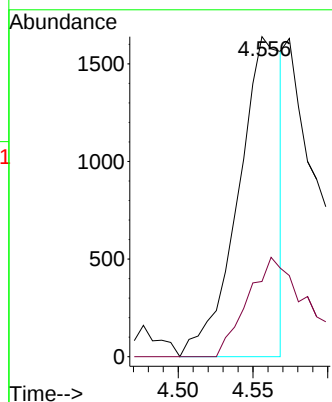
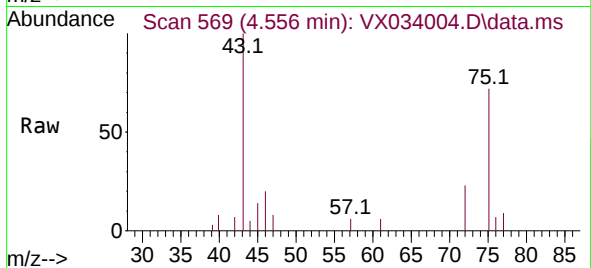




#22
2-Butanone
Concen: 2.991 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

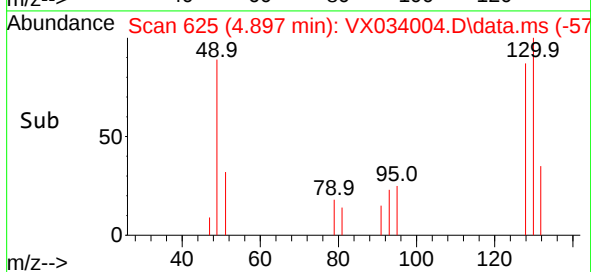
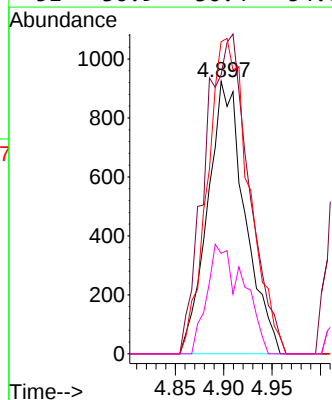
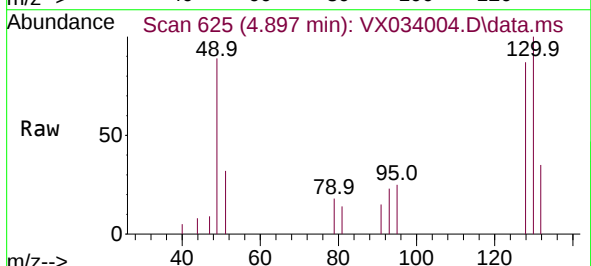
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

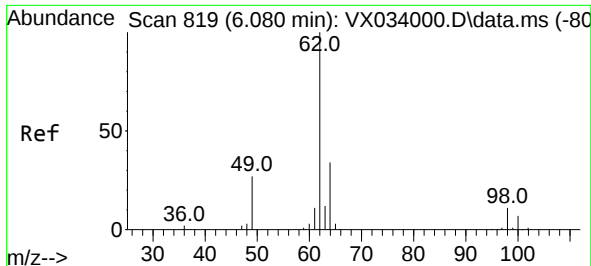
Tgt Ion: 43 Resp: 3277
Ion Ratio Lower Upper
43 100
72 40.3 13.2 39.6#



#23
Bromochloromethane
Concen: 2.770 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion:128 Resp: 2479
Ion Ratio Lower Upper
128 100
49 102.5 94.7 175.9
130 114.6 91.3 169.6
51 36.9 36.4 54.6

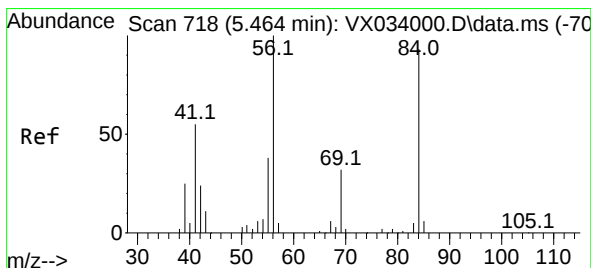
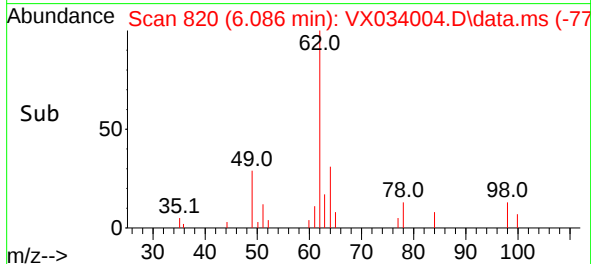
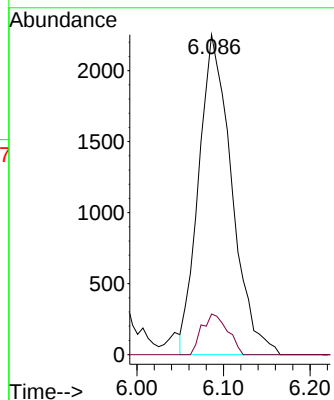
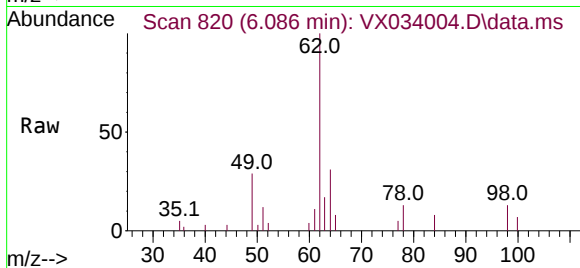




#27
1,2-Dichloroethane
Concen: 3.020 ug/L
RT: 6.086 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

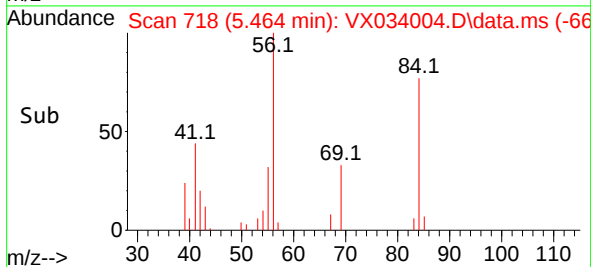
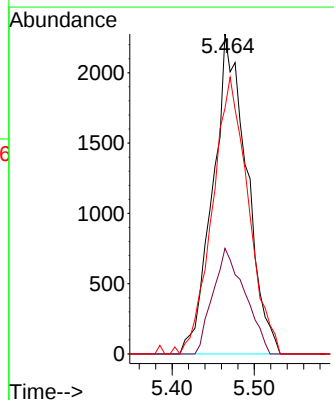
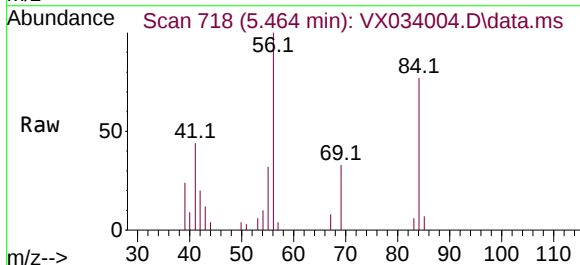
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

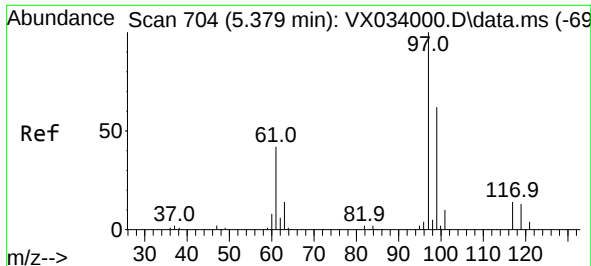
Tgt Ion: 62 Resp: 5960
Ion Ratio Lower Upper
62 100
98 12.7 9.1 13.7



#29
Cyclohexane
Concen: 2.712 ug/L
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 56 Resp: 6519
Ion Ratio Lower Upper
56 100
69 31.2 24.8 37.2
84 91.0 73.2 109.8





#30

1,1,1-Trichloroethane

Concen: 2.681 ug/L

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

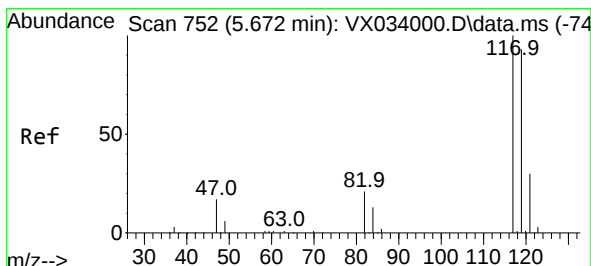
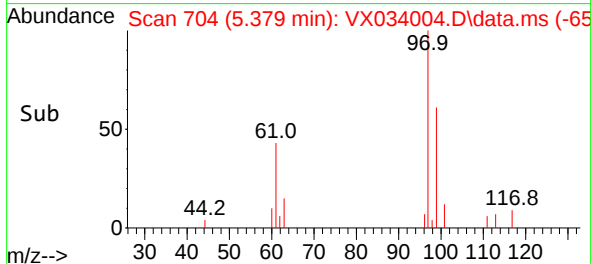
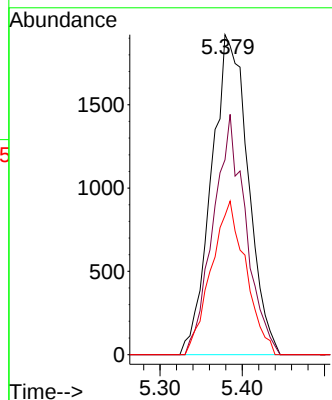
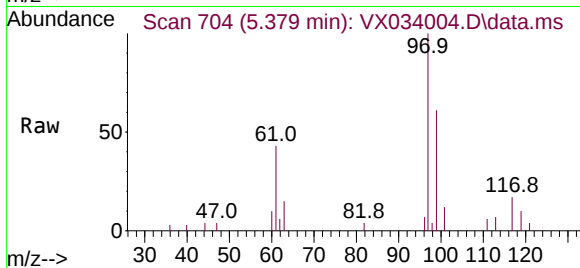
Tgt Ion: 97 Resp: 5954

Ion Ratio Lower Upper

97 100

99 66.6 51.8 77.8

61 45.3 34.7 52.1



#31

Carbon tetrachloride

Concen: 2.733 ug/L

RT: 5.678 min Scan# 753

Delta R.T. 0.006 min

Lab File: VX034004.D

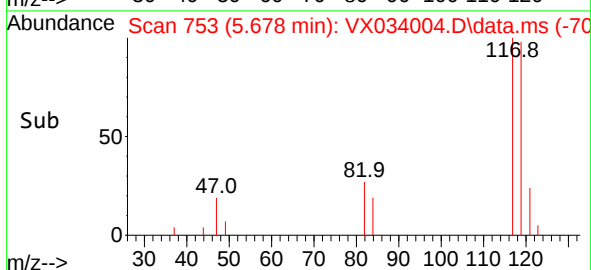
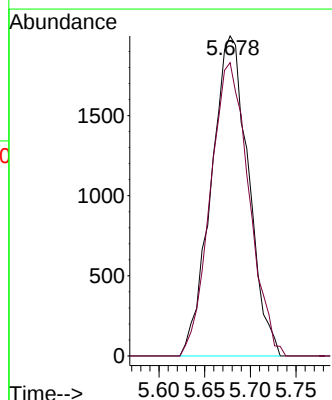
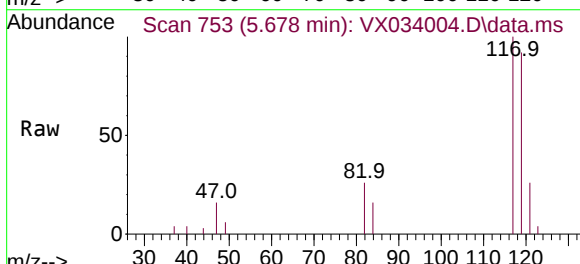
Acq: 03 Feb 2023 11:05

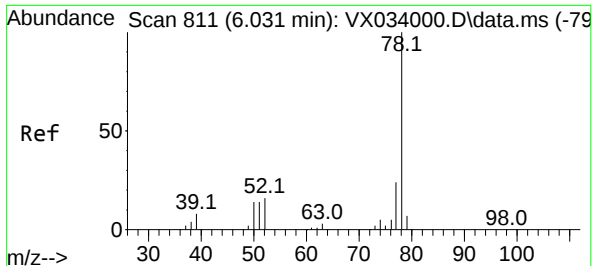
Tgt Ion: 117 Resp: 5647

Ion Ratio Lower Upper

117 100

119 94.8 77.1 115.7

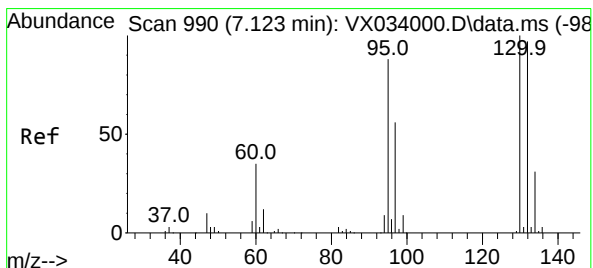
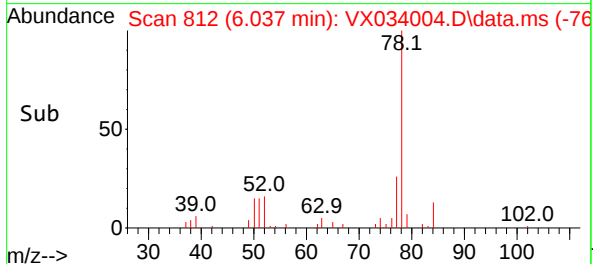
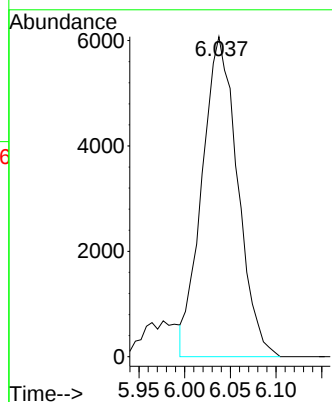
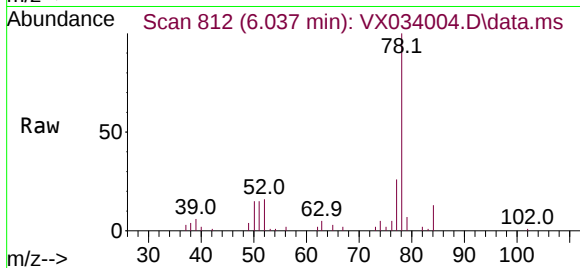




#33
Benzene
Concen: 2.811 ug/L
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

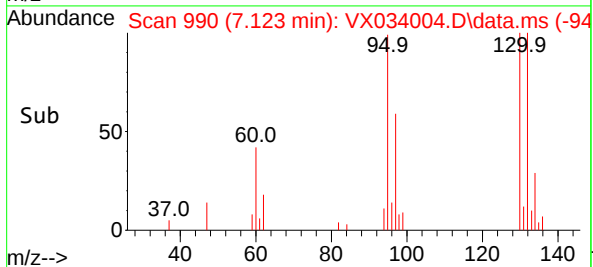
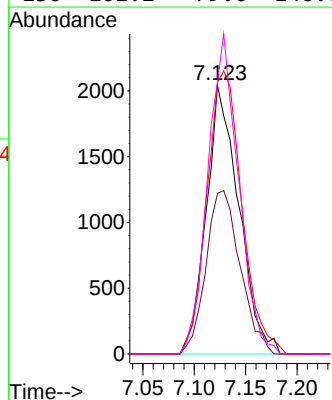
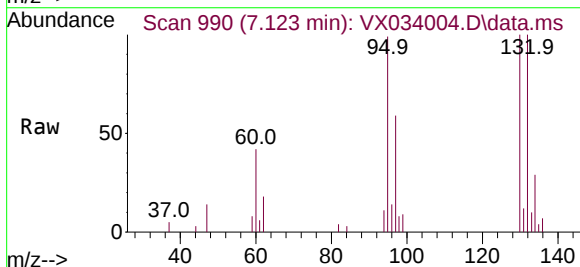
Tgt Ion: 78 Resp: 16425

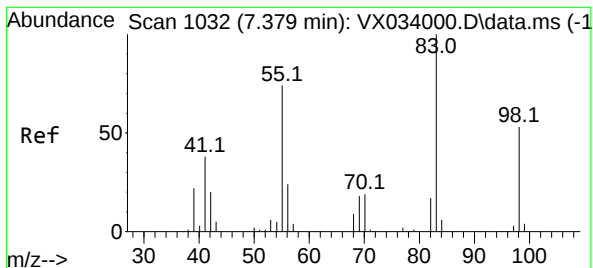


#34
Trichloroethene
Concen: 2.847 ug/L
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 95 Resp: 4509

Ion	Ratio	Lower	Upper
95	100		
97	59.8	46.8	87.0
132	101.0	76.2	141.4
130	101.2	79.0	146.6





#35

Methylcyclohexane

Concen: 2.730 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

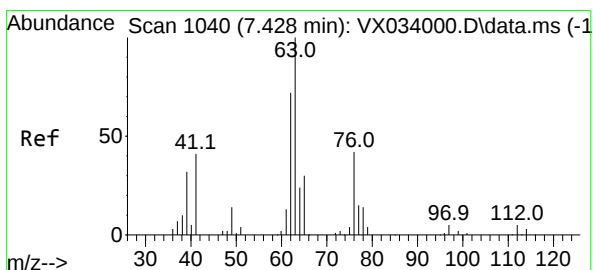
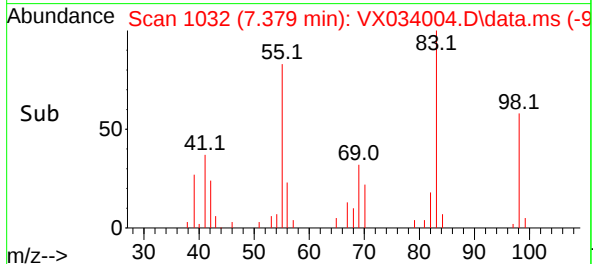
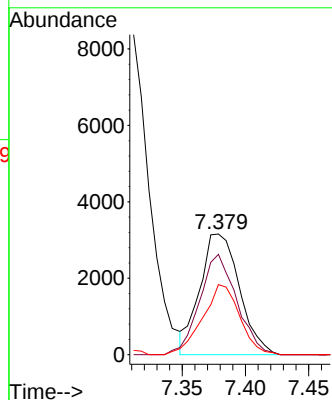
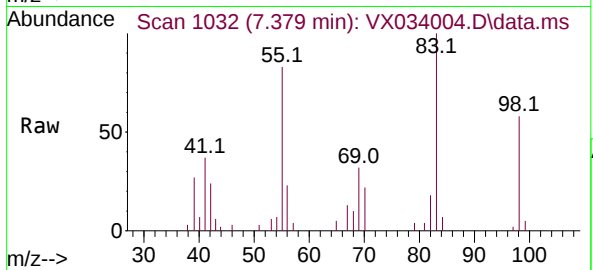
Tgt Ion: 83 Resp: 6893

Ion Ratio Lower Upper

83 100

55 77.6 59.0 88.4

98 54.2 40.6 60.8



#37

1,2-Dichloropropane

Concen: 2.896 ug/L

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX034004.D

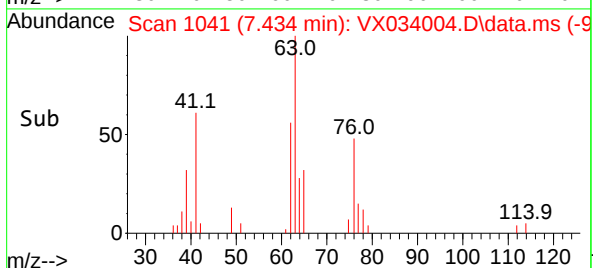
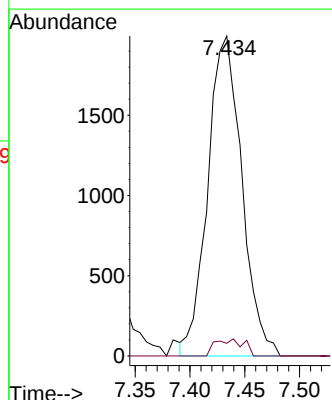
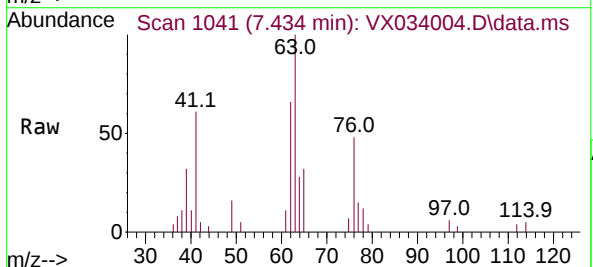
Acq: 03 Feb 2023 11:05

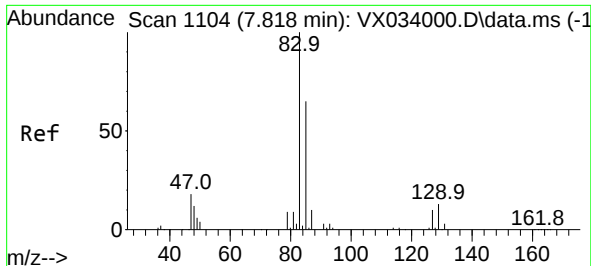
Tgt Ion: 63 Resp: 4310

Ion Ratio Lower Upper

63 100

112 0.6 4.1 6.1#

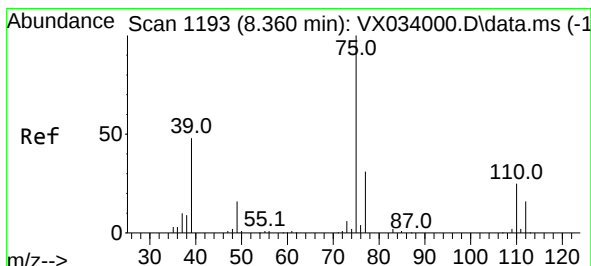
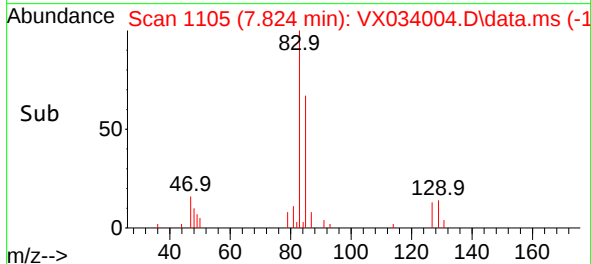
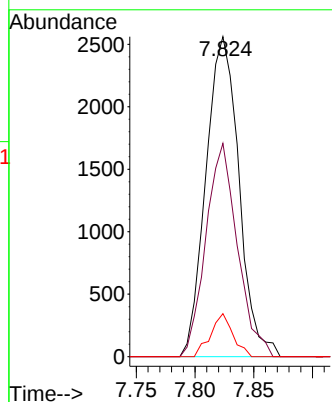
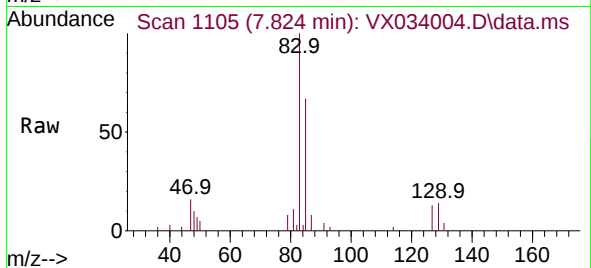




#38
Bromodichloromethane
Concen: 2.649 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

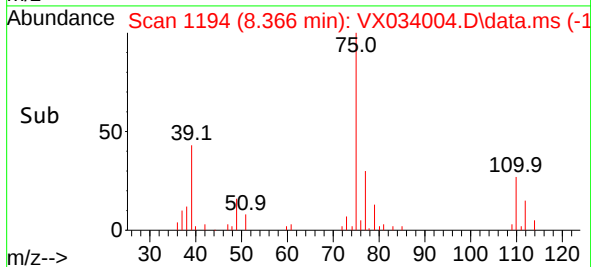
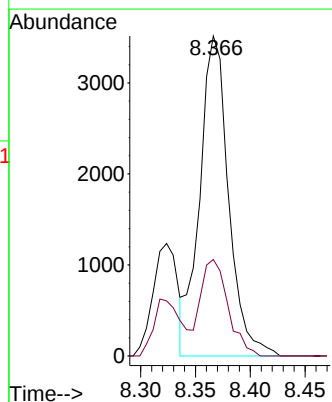
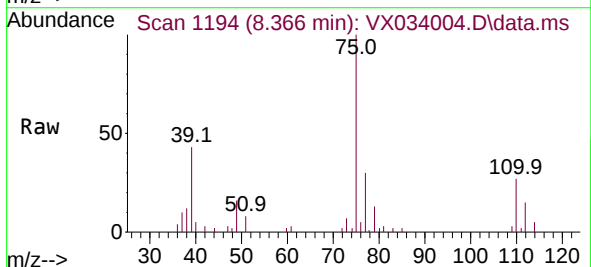
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

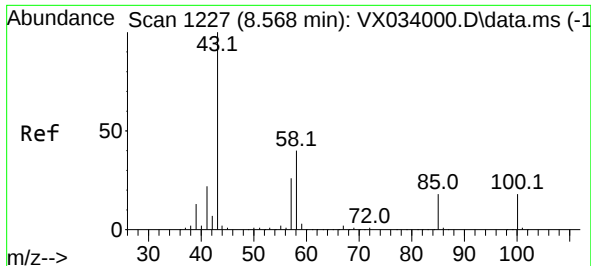
Tgt Ion: 83 Resp: 5013
Ion Ratio Lower Upper
83 100
85 66.7 46.3 85.9
127 13.4 7.4 11.0#



#39
cis-1,3-Dichloropropene
Concen: 2.822 ug/L
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 75 Resp: 6446
Ion Ratio Lower Upper
75 100
77 30.2 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 5.342 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

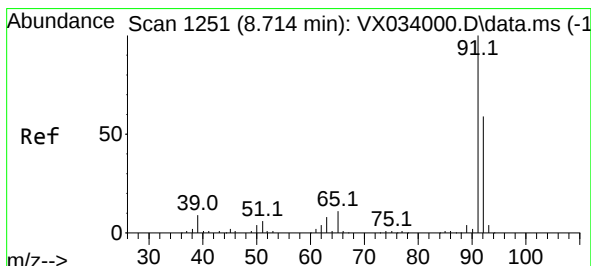
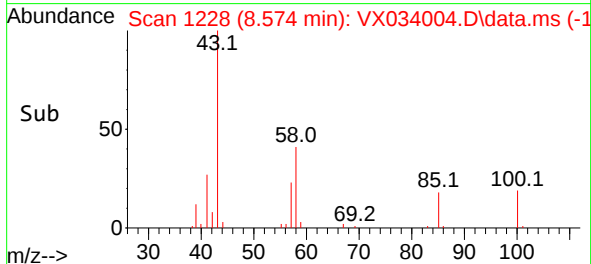
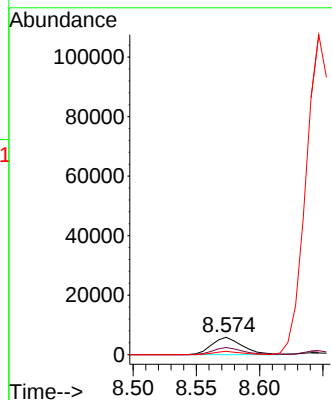
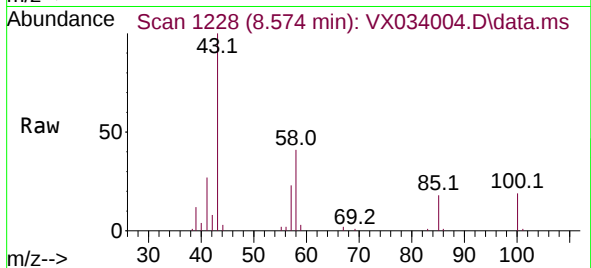
Tgt Ion: 43 Resp: 9784

Ion Ratio Lower Upper

43 100

58 39.6 31.9 47.9

100 17.0 14.4 21.6



#42

Toluene

Concen: 2.855 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX034004.D

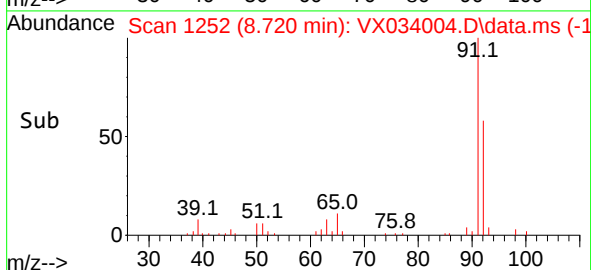
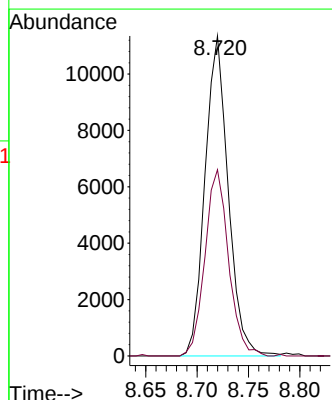
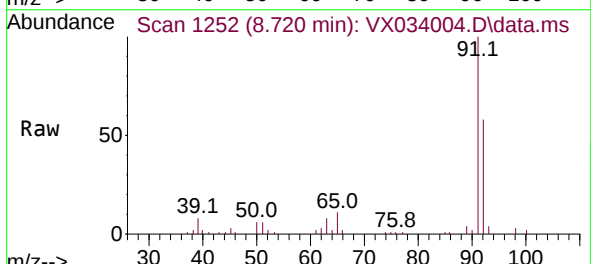
Acq: 03 Feb 2023 11:05

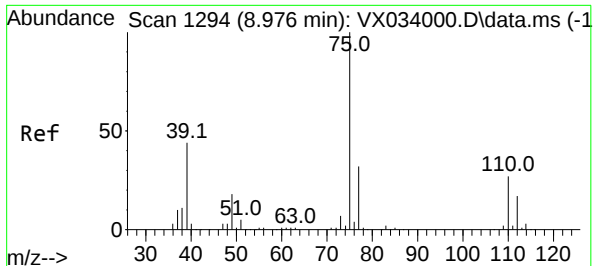
Tgt Ion: 91 Resp: 17848

Ion Ratio Lower Upper

91 100

92 58.2 41.6 77.3

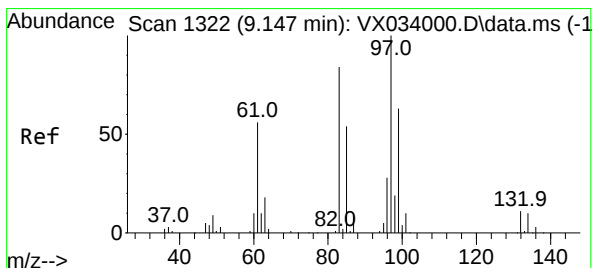
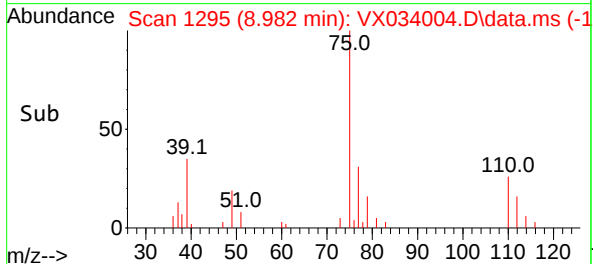
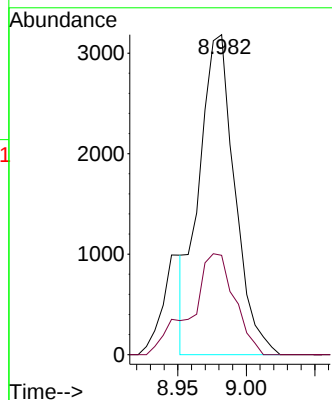
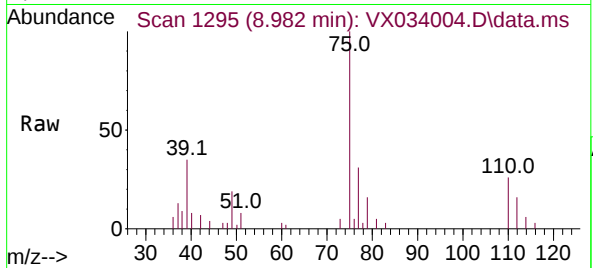




#44
trans-1,3-Dichloropropene
Concen: 2.833 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

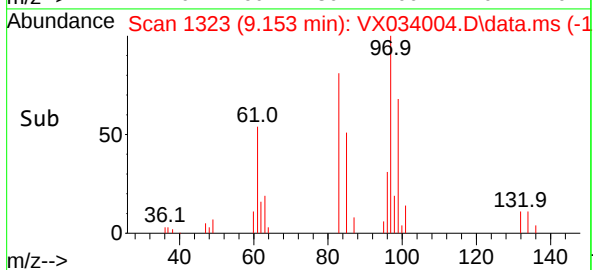
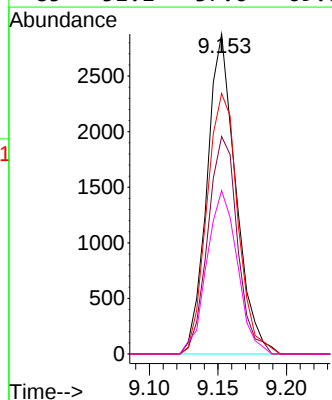
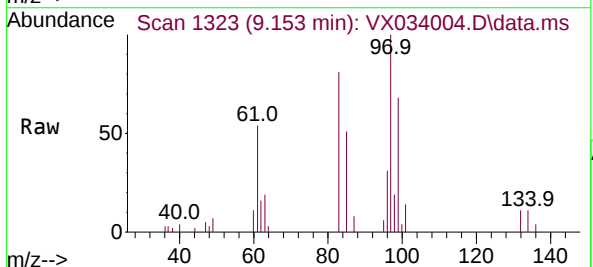
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

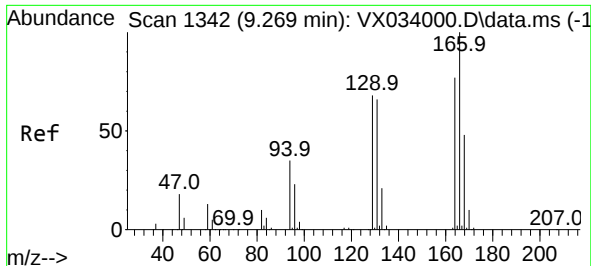
Tgt Ion: 75 Resp: 5758
Ion Ratio Lower Upper
75 100
77 31.1 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 2.792 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 97 Resp: 4206
Ion Ratio Lower Upper
97 100
99 67.9 43.5 80.9
83 81.4 56.8 105.4
85 51.1 37.6 69.8



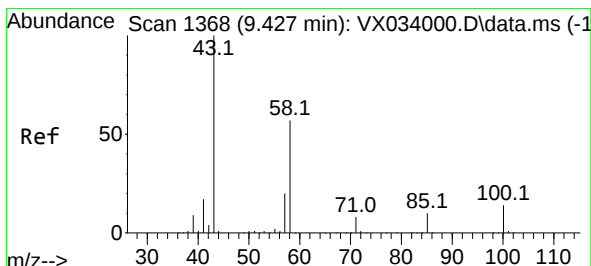
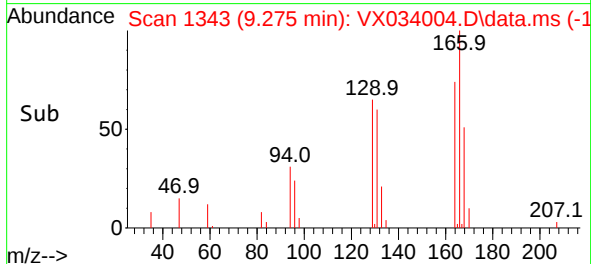
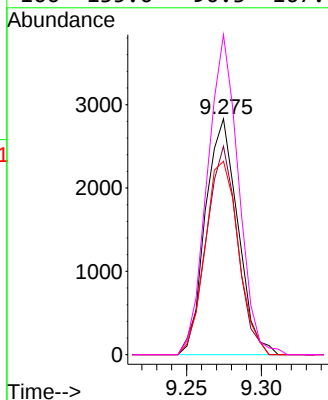
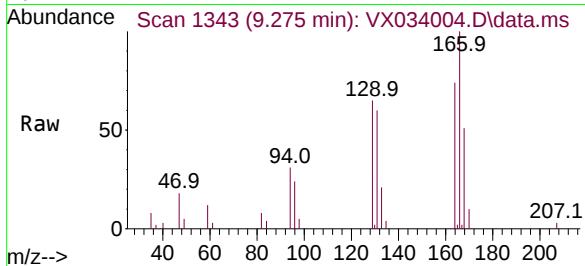


#46
Tetrachloroethene
Concen: 2.802 ug/L
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

Tgt Ion:164 Resp: 4260

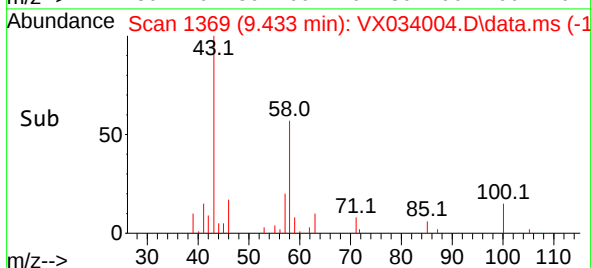
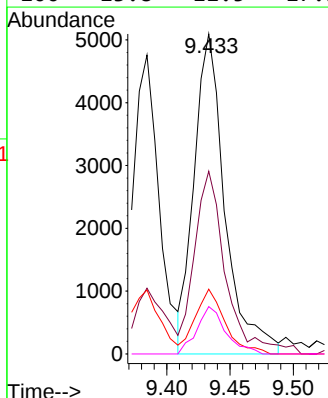
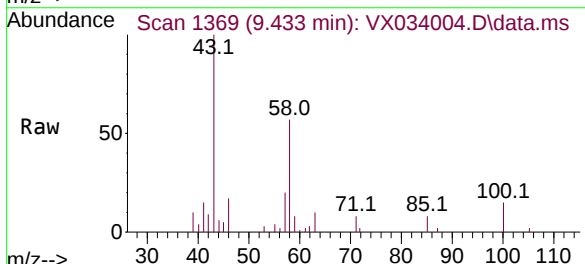
Ion	Ratio	Lower	Upper
164	100		
129	88.3	59.3	110.1
131	82.0	56.1	104.3
166	135.6	90.3	167.7

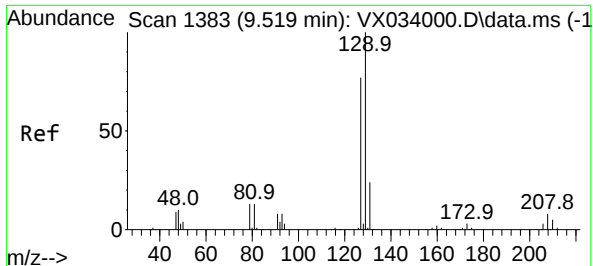


#48
2-Hexanone
Concen: 5.924 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 43 Resp: 8646

Ion	Ratio	Lower	Upper
43	100		
58	48.2	45.7	68.5
57	19.6	15.8	23.8
100	13.8	11.5	17.3





#49

Dibromochloromethane

Concen: 2.702 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

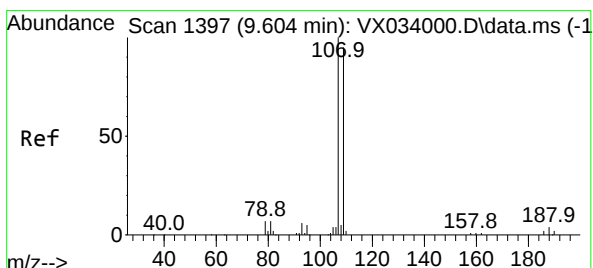
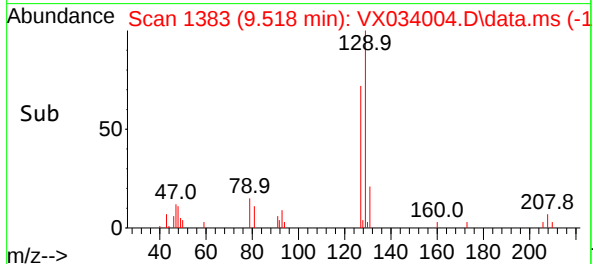
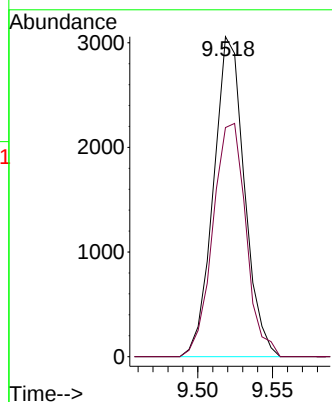
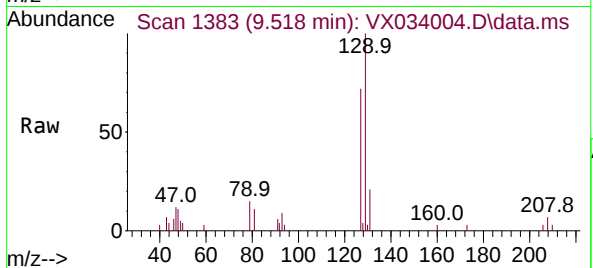
MDL-MED-SOIL-QT1-2023-01

Tgt Ion:129 Resp: 4392

Ion Ratio Lower Upper

129 100

127 71.6 53.3 98.9



#50

1,2-Dibromoethane

Concen: 2.827 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

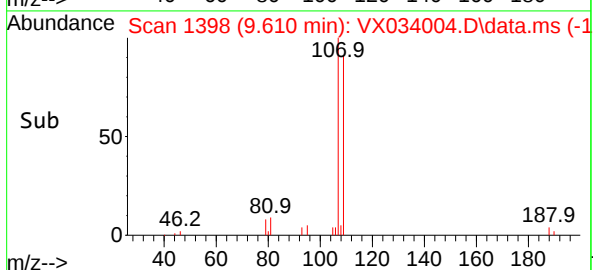
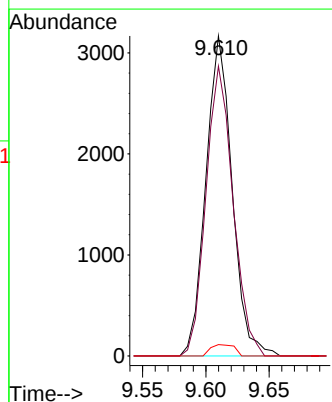
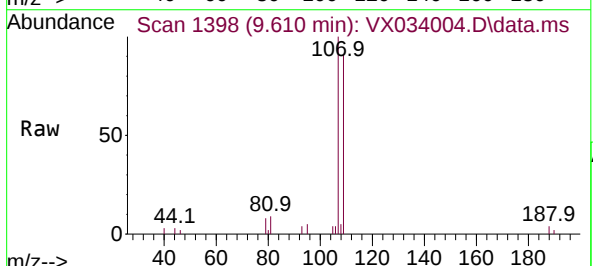
Tgt Ion:107 Resp: 4576

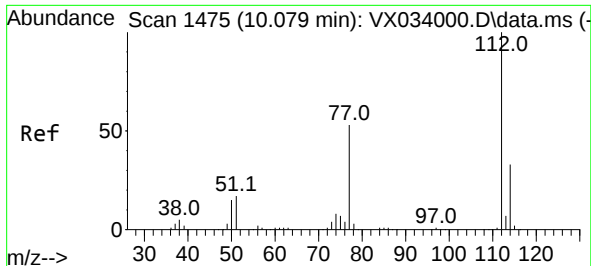
Ion Ratio Lower Upper

107 100

109 90.6 64.9 120.5

188 3.5 3.3 4.9

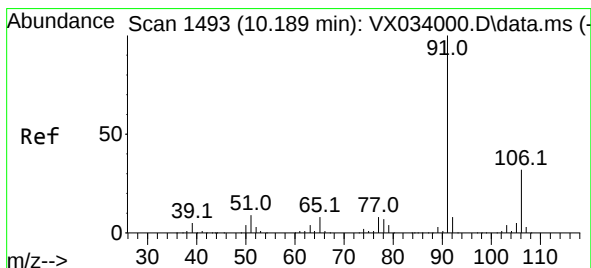
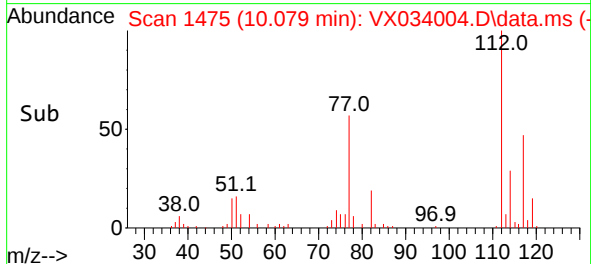
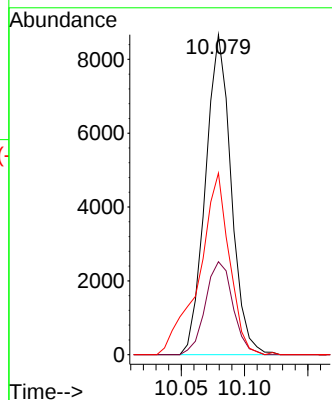
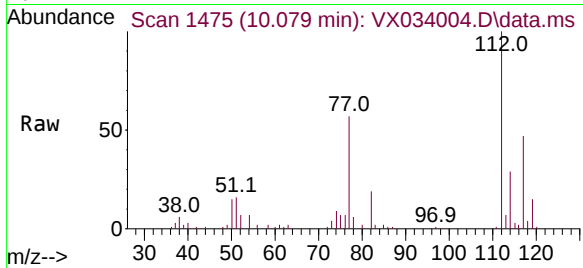




#51
Chlorobenzene
Concen: 2.899 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

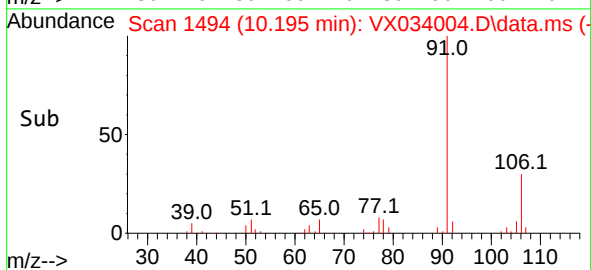
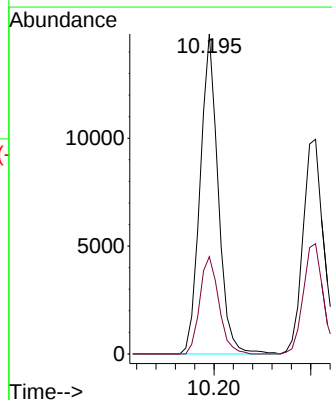
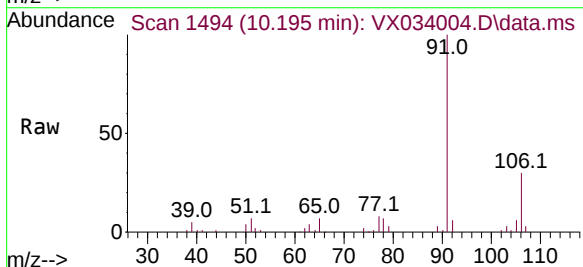
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

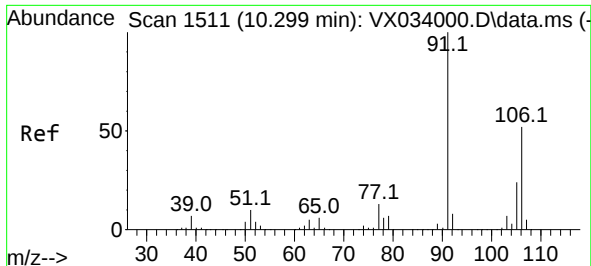
Tgt Ion:112 Resp: 12243
Ion Ratio Lower Upper
112 100
114 29.1 22.7 42.3
77 56.8 43.4 65.0



#52
Ethylbenzene
Concen: 2.798 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 91 Resp: 19220
Ion Ratio Lower Upper
91 100
106 30.4 23.2 43.0

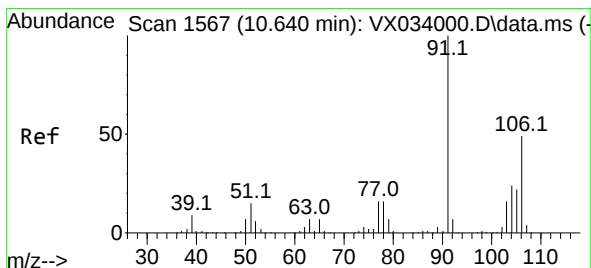
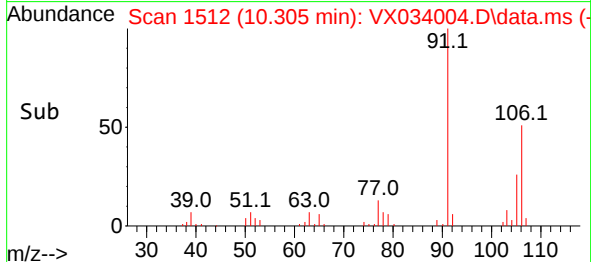
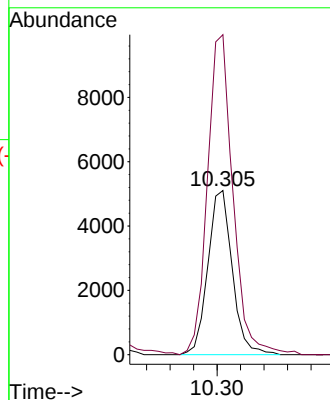
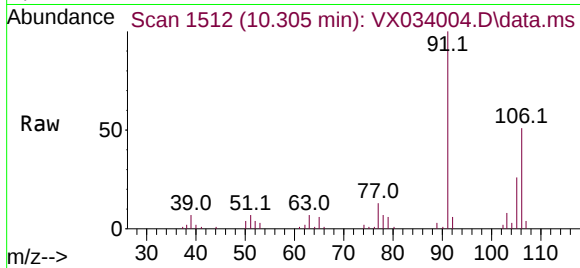




#53
m,p-Xylene
Concen: 2.675 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

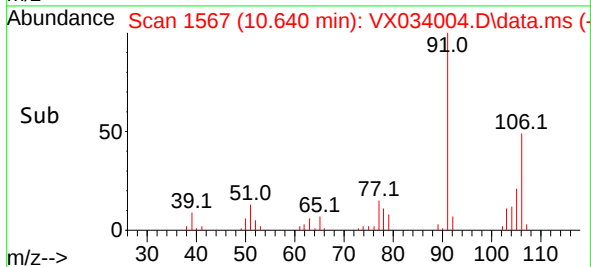
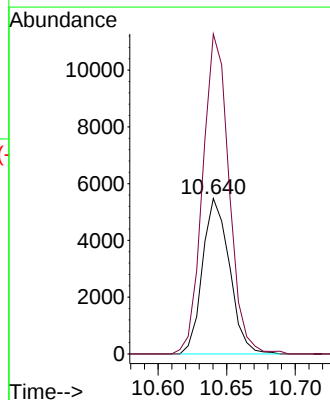
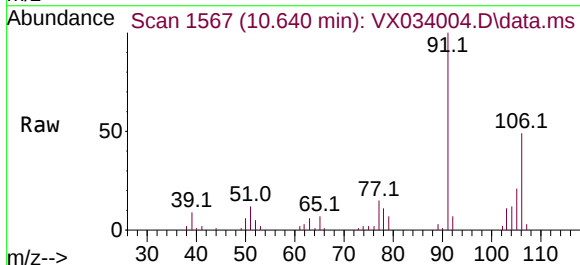
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

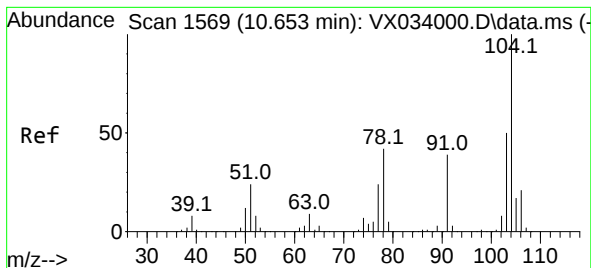
Tgt Ion:106 Resp: 7376
Ion Ratio Lower Upper
106 100
91 194.9 135.2 251.0



#54
o-Xylene
Concen: 2.811 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion:106 Resp: 7489
Ion Ratio Lower Upper
106 100
91 205.8 140.2 260.4





#55

Styrene

Concen: 2.695 ug/L

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

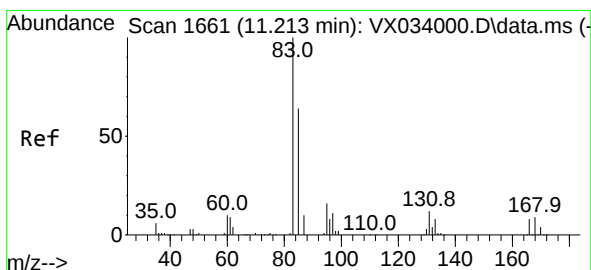
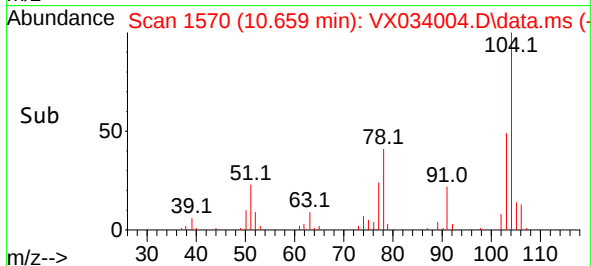
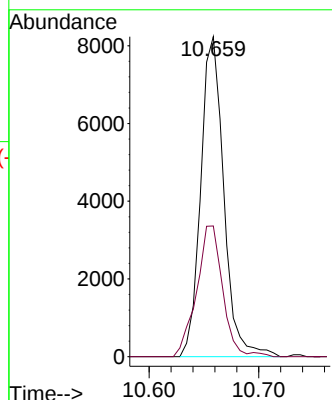
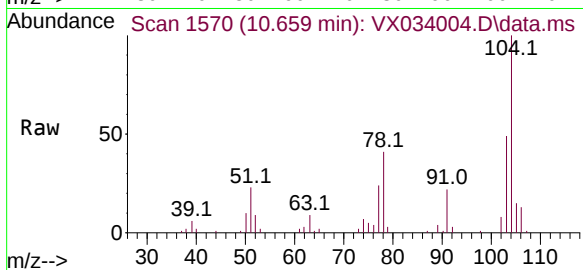
MDL-MED-SOIL-QT1-2023-01

Tgt Ion:104 Resp: 12042

Ion Ratio Lower Upper

104 100

78 40.9 30.0 55.8



#57

1,1,2,2-Tetrachloroethane

Concen: 3.232 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

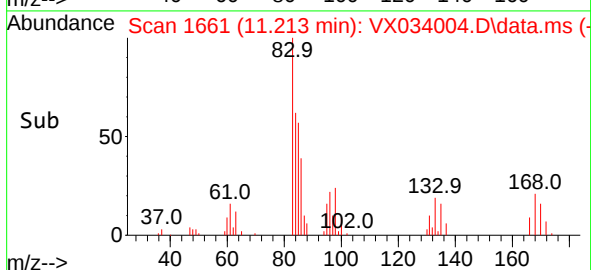
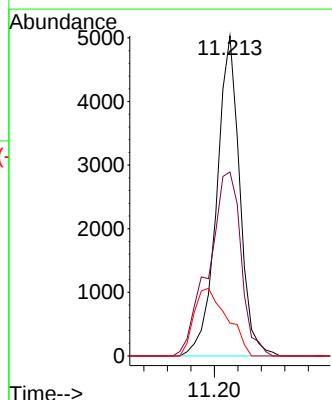
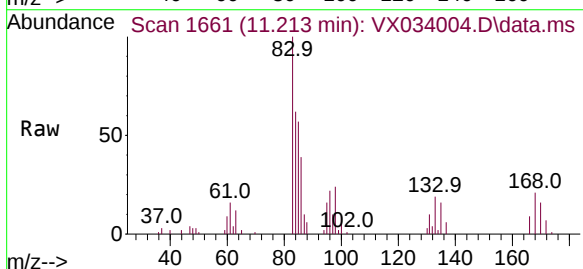
Tgt Ion: 83 Resp: 6846

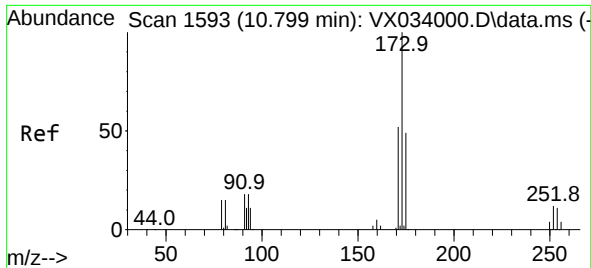
Ion Ratio Lower Upper

83 100

85 57.5 45.8 85.0

131 10.2 9.1 13.7

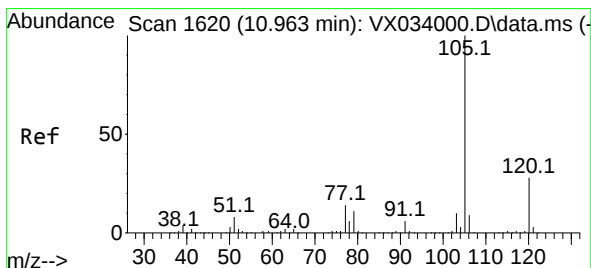
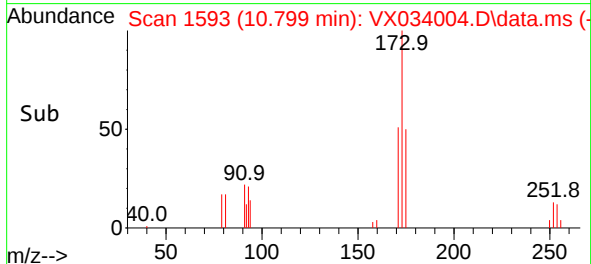
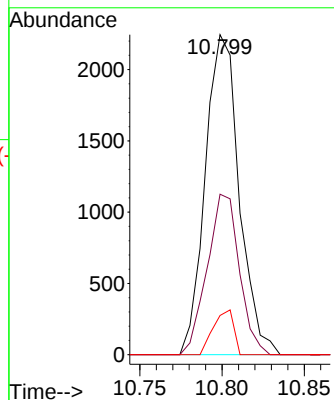
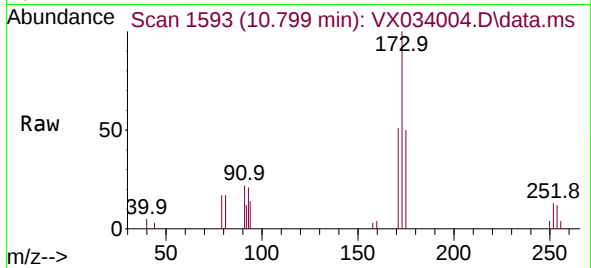




#59
Bromoform
Concen: 2.544 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

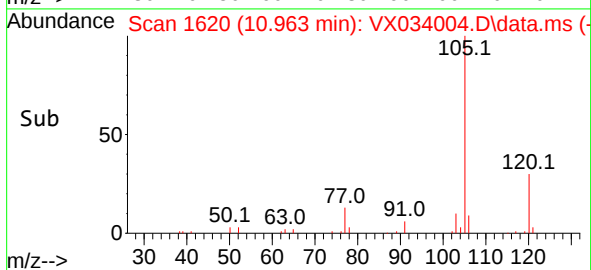
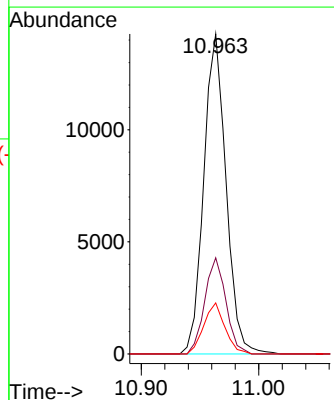
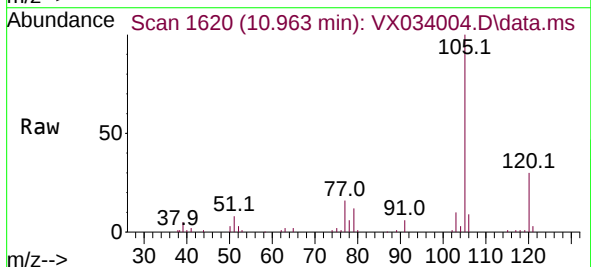
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

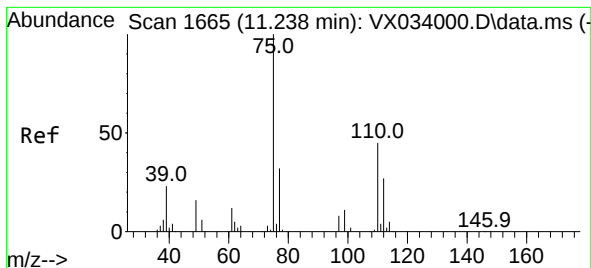
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.3	57.5
254	8.4	9.1	13.7#



#60
Isopropylbenzene
Concen: 2.764 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.6	21.8	32.6
77	15.2	11.3	16.9





#61

1,2,3-Trichloropropane

Concen: 3.016 ug/L

RT: 11.238 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

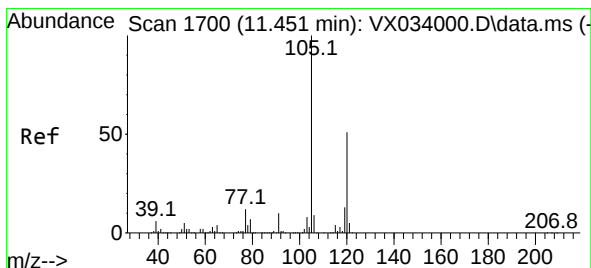
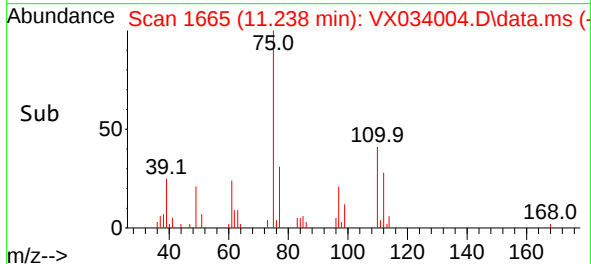
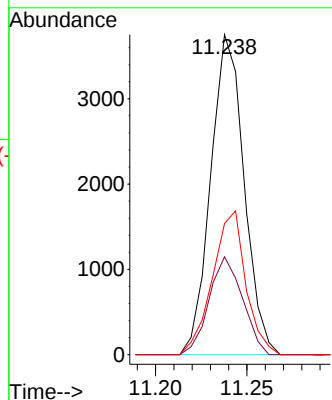
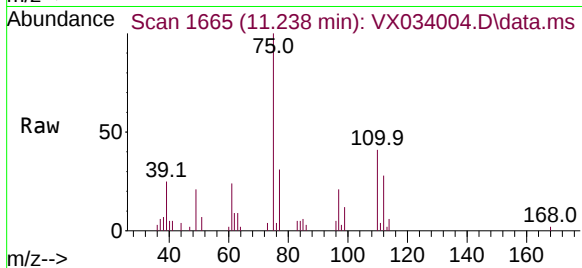
Tgt Ion: 75 Resp: 4768

Ion Ratio Lower Upper

75 100

77 30.7 26.1 39.1

110 44.8 34.2 51.4



#62

1,3,5-Trimethylbenzene

Concen: 2.759 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX034004.D

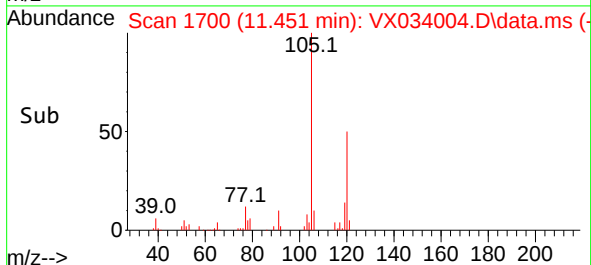
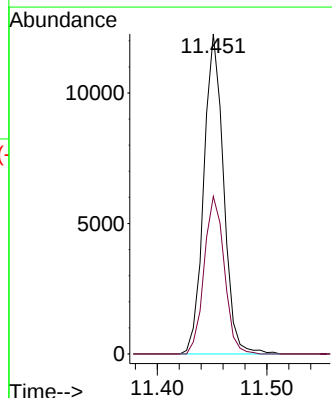
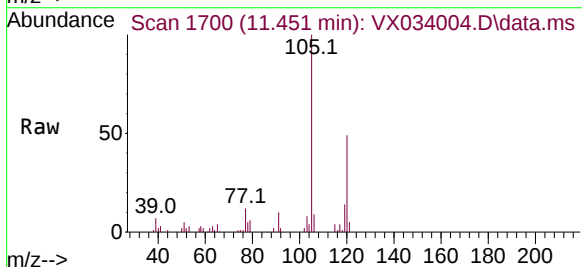
Acq: 03 Feb 2023 11:05

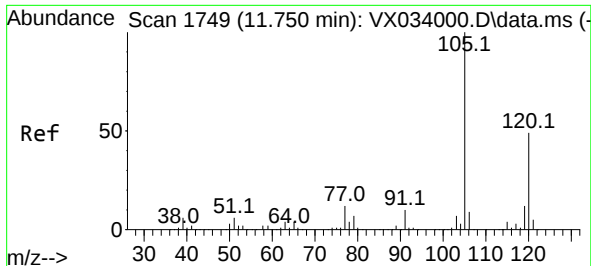
Tgt Ion: 105 Resp: 15363

Ion Ratio Lower Upper

105 100

120 50.2 41.3 61.9

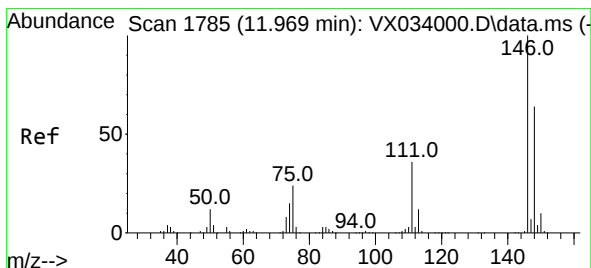
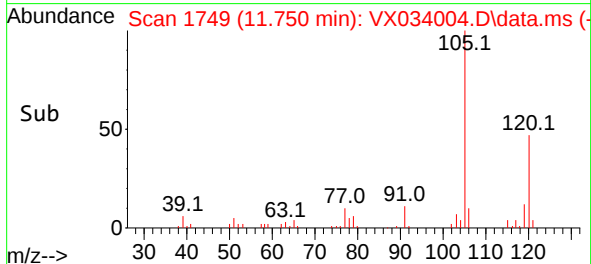
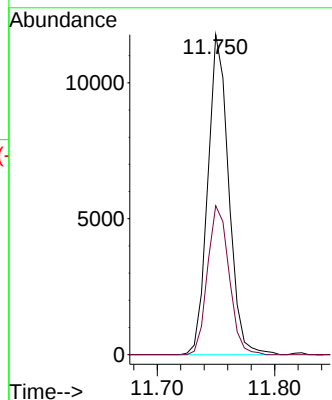
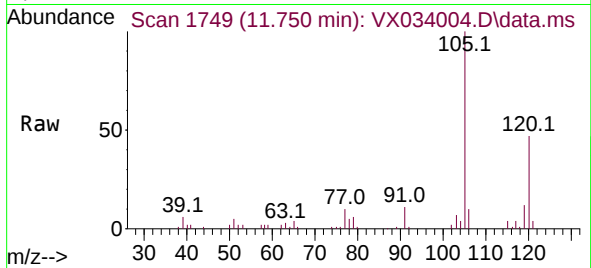




#63
1,2,4-Trimethylbenzene
Concen: 2.646 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

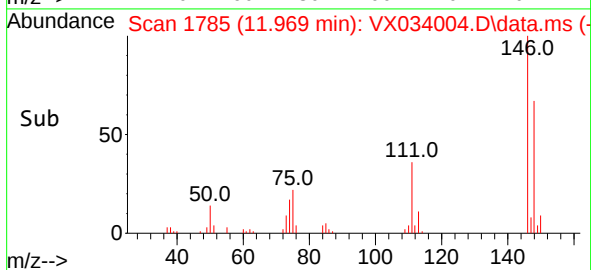
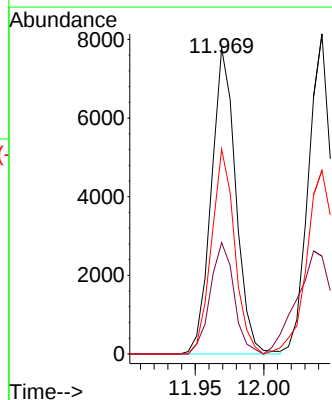
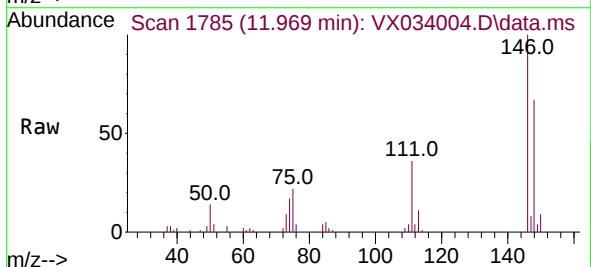
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

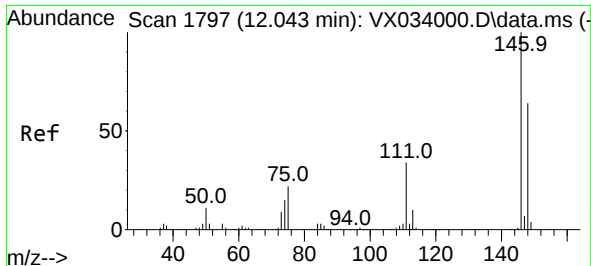
Tgt Ion:105 Resp: 14520
Ion Ratio Lower Upper
105 100
120 47.9 38.5 57.7



#64
1,3-Dichlorobenzene
Concen: 2.852 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion:146 Resp: 9645
Ion Ratio Lower Upper
146 100
111 36.4 25.5 47.3
148 66.9 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 2.911 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

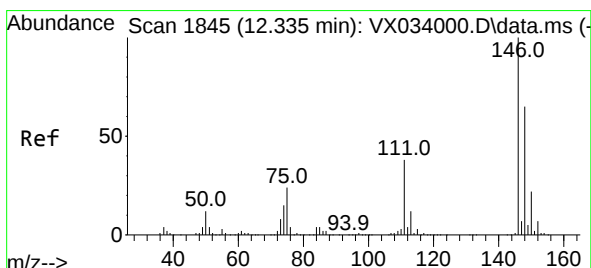
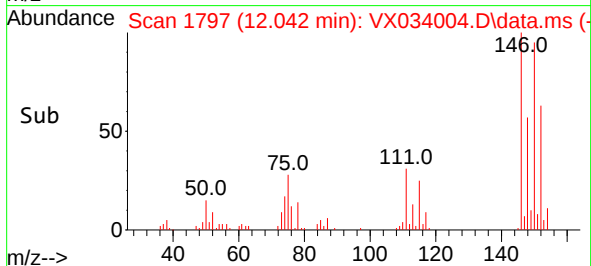
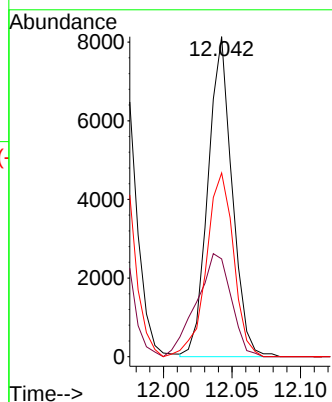
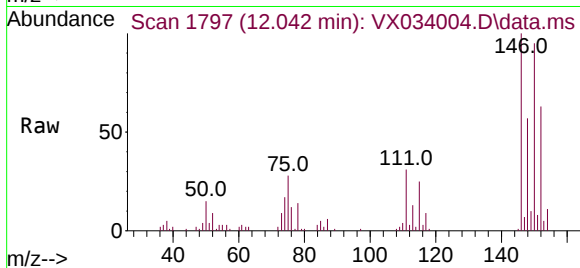
Tgt Ion:146 Resp: 9965

Ion Ratio Lower Upper

146 100

111 30.5 23.7 44.1

148 57.4 45.0 83.6



#67

1,2-Dichlorobenzene

Concen: 2.948 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX034004.D

Acq: 03 Feb 2023 11:05

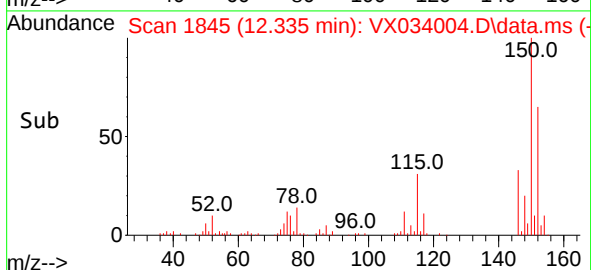
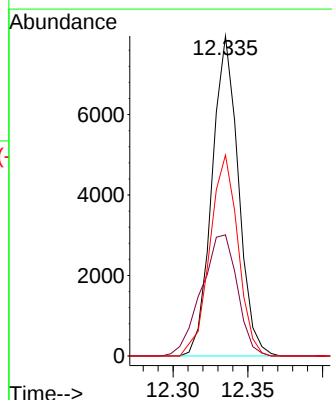
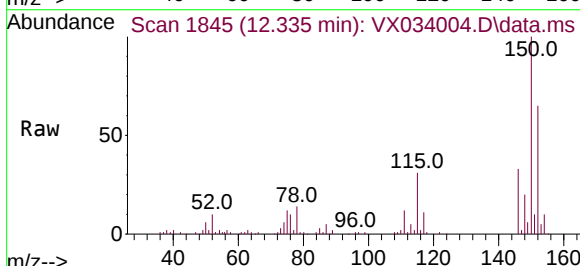
Tgt Ion:146 Resp: 9751

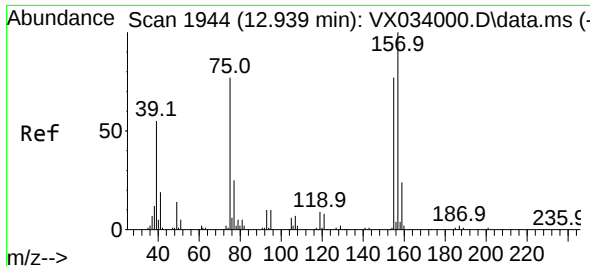
Ion Ratio Lower Upper

146 100

111 37.8 30.4 45.6

148 62.8 51.4 77.2

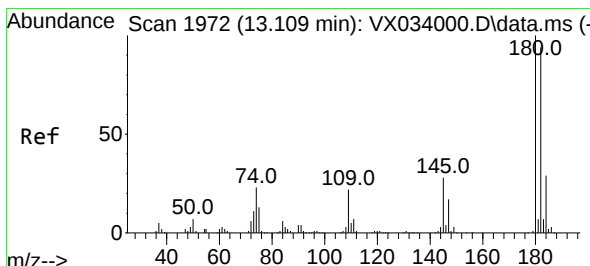
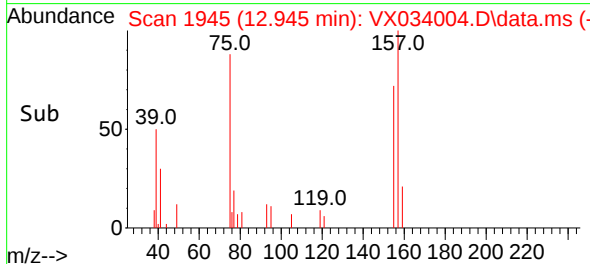
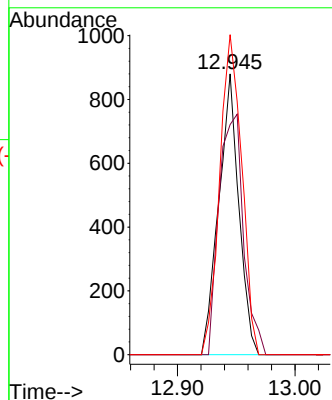
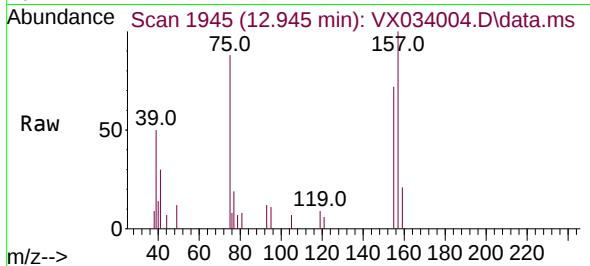




#68
1,2-Dibromo-3-chloropropane
Concen: 2.698 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

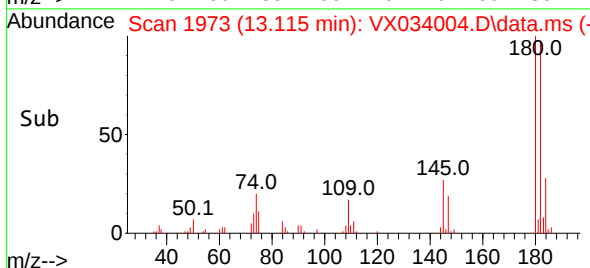
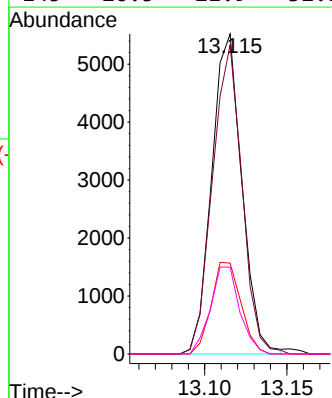
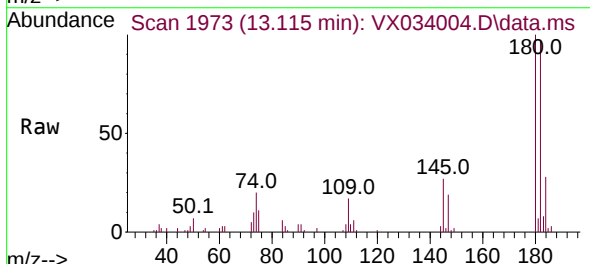
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

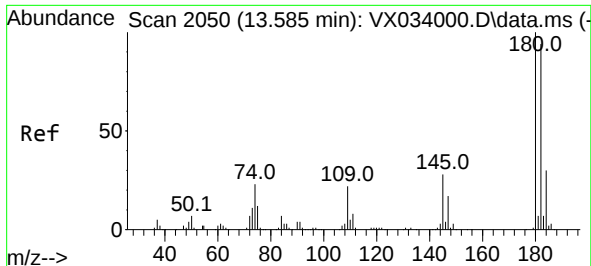
Tgt Ion: 75 Resp: 1045
Ion Ratio Lower Upper
75 100
155 81.9 89.0 133.6#
157 114.0 116.9 175.3#



#69
1,3,5-Trichlorobenzene
Concen: 2.754 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

Tgt Ion: 180 Resp: 7026
Ion Ratio Lower Upper
180 100
182 94.4 77.3 115.9
184 28.2 24.5 36.7
145 26.5 21.9 32.9

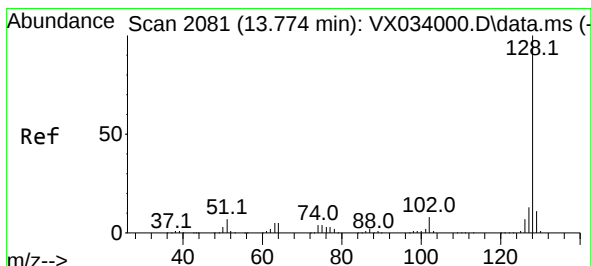
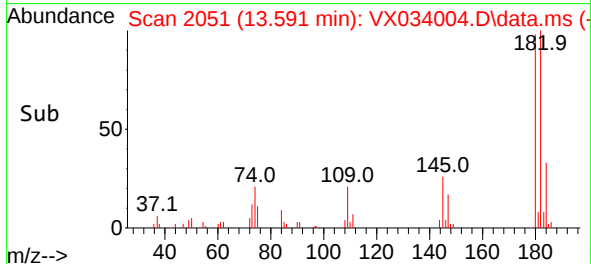
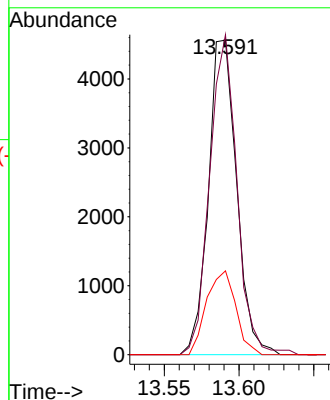
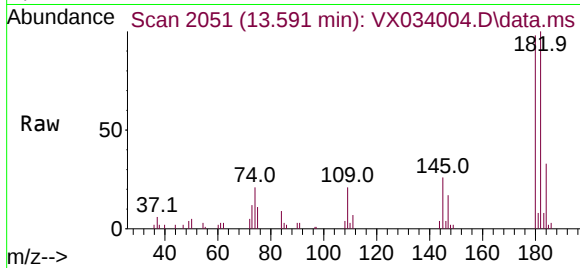




#70
1,2,4-trichlorobenzene
Concen: 2.598 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

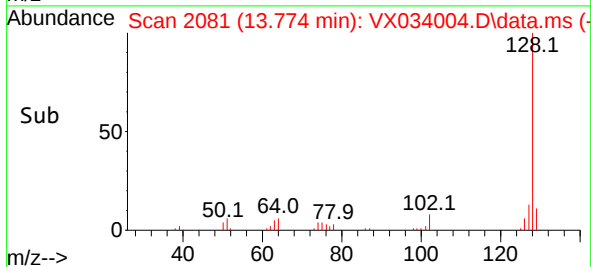
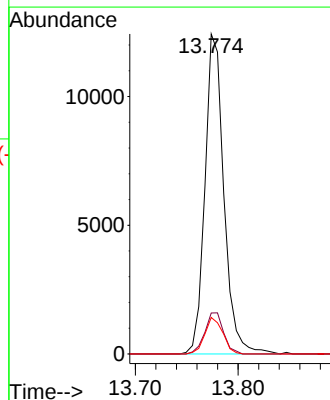
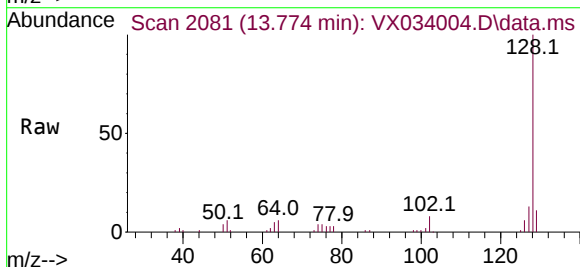
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

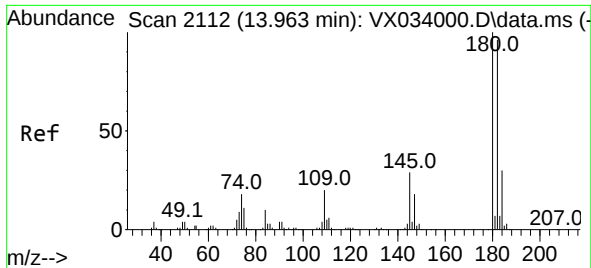
Tgt Ion:180 Resp: 6015
Ion Ratio Lower Upper
180 100
182 97.4 76.5 114.7
145 27.5 22.3 33.5



#71
Naphthalene
Concen: 2.492 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX034004.D
Acq: 03 Feb 2023 11:05

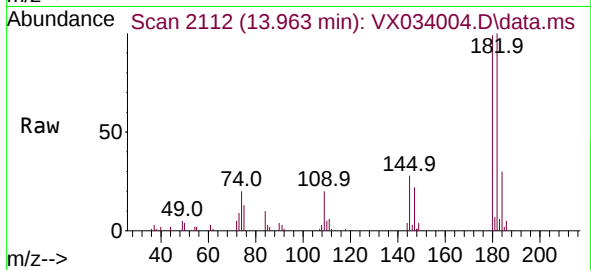
Tgt Ion:128 Resp: 15976
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.682 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX034004.D
 Acq: 03 Feb 2023 11:05

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT1-2023-01



Tgt Ion:	180	Resp:	6130
Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.1	115.7
145	28.4	23.5	35.3

