

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035002.D
 Acq On : 11 Apr 2023 11:28
 Operator : JC/MD
 Sample : 02215-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 12 02:04:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	415300	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	363178	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	170855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	131838	47.661	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.320%
7) Chloroethane-d5	1.672	69	107354	52.987	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.980%
11) 1,1-Dichloroethene-d2	2.306	63	207291	36.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.940%
21) 2-Butanone-d5	4.471	46	211682	115.141	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.140%
24) Chloroform-d	5.056	84	267164	50.683	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.360%
26) 1,2-Dichloroethane-d4	5.952	65	188411	52.068	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.140%
32) Benzene-d6	5.970	84	537467	53.013	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.020%
36) 1,2-Dichloropropane-d6	7.306	67	167964	53.855	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.700%
41) Toluene-d8	8.647	98	476892	51.356	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.720%
43) trans-1,3-Dichloroprop...	8.952	79	66604	46.504	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.000%
47) 2-Hexanone-d5	9.384	63	137740	110.497	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.500%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	208771	53.865	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.720%
66) 1,2-Dichlorobenzene-d4	12.317	152	173110	55.216	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	7029	1.949	ug/L	97
3) Chloromethane	1.294	50	7079	2.088	ug/L	94
5) Vinyl chloride	1.374	62	7172	2.087	ug/L #	70
6) Bromomethane	1.618	94	4183	2.154	ug/L	98
8) Chloroethane	1.691	64	4199	2.172	ug/L	98
9) Trichlorofluoromethane	1.892	101	8757	1.832	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	7760	2.616	ug/L	85
12) 1,1-Dichloroethene	2.319	96	6347	2.404	ug/L #	1
13) Acetone	2.404	43	8007	4.405	ug/L	74
14) Carbon disulfide	2.514	76	11082	1.561	ug/L	99
15) Methyl Acetate	2.715	43	6204	1.989	ug/L #	86
16) Methylene chloride	2.788	84	6764	2.335	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	5079	1.871	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	19064	2.009	ug/L	98
19) 1,1-Dichloroethane	3.611	63	10572	1.955	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	6243	2.010	ug/L	87
22) 2-Butanone	4.593	43	4837	2.083	ug/L	85
23) Bromochloromethane	4.904	128	3228	2.101	ug/L	86
25) Chloroform	5.099	83	15070	2.718	ug/L	95

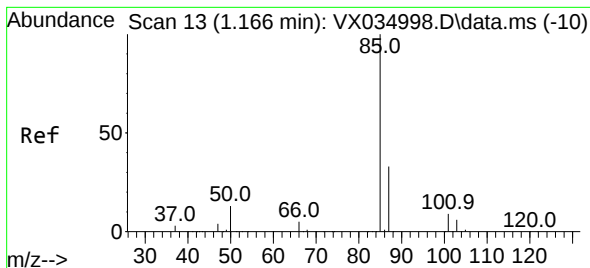
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 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	9551	2.034	ug/L	99
29) Cyclohexane	5.471	56	9344	1.871	ug/L	94
30) 1,1,1-Trichloroethane	5.385	97	8778	1.828	ug/L	98
31) Carbon tetrachloride	5.672	117	6878	1.662	ug/L	94
33) Benzene	6.037	78	23568	2.035	ug/L	100
34) Trichloroethene	7.129	95	6263	2.006	ug/L	94
35) Methylcyclohexane	7.379	83	9172	2.037	ug/L	97
37) 1,2-Dichloropropane	7.427	63	6133	1.998	ug/L #	95
38) Bromodichloromethane	7.818	83	6533	1.682	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	8663	1.847	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	15657	3.839	ug/L	100
42) Toluene	8.720	91	24142	2.013	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	7861	1.820	ug/L	94
45) 1,1,2-Trichloroethane	9.153	97	5787	2.022	ug/L	92
46) Tetrachloroethene	9.275	164	4867	2.092	ug/L	89
48) 2-Hexanone	9.433	43	14005	4.381	ug/L	97
49) Dibromochloromethane	9.519	129	4907	1.743	ug/L	96
50) 1,2-Dibromoethane	9.610	107	5788	1.927	ug/L	93
51) Chlorobenzene	10.079	112	15786	2.042	ug/L	94
52) Ethylbenzene	10.195	91	26873	1.974	ug/L	94
53) m,p-Xylene	10.299	106	9366	1.826	ug/L	96
54) o-Xylene	10.640	106	9482	1.876	ug/L	92
55) Styrene	10.653	104	15096	1.782	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	9774	2.300	ug/L	95
59) Bromoform	10.799	173	2979	1.635	ug/L #	93
60) Isopropylbenzene	10.963	105	23302	1.868	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	7353	2.244	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	19154	1.851	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	18839	1.844	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	11231	2.021	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	11688	2.080	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	11878	2.169	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	1409	1.680	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	6928	1.993	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	6084	1.881	ug/L	96
71) Naphthalene	13.780	128	19982	1.808	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	6190	1.906	ug/L	97

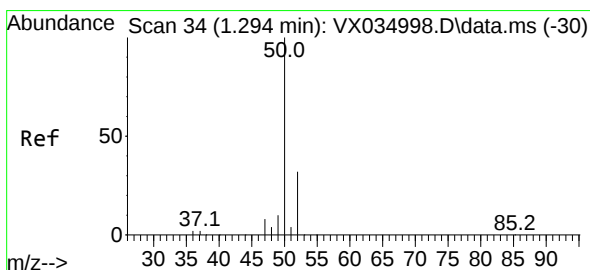
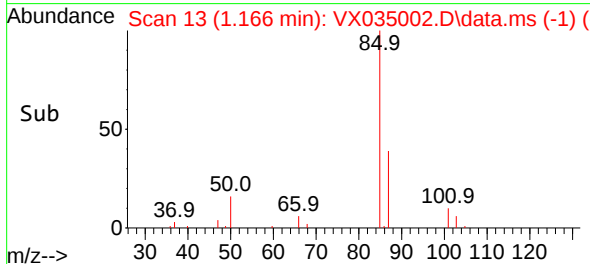
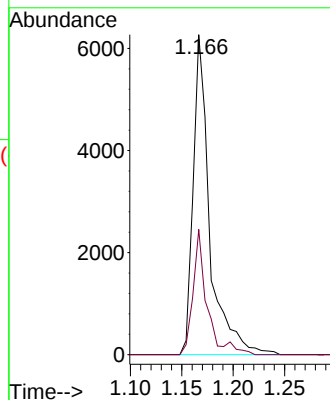
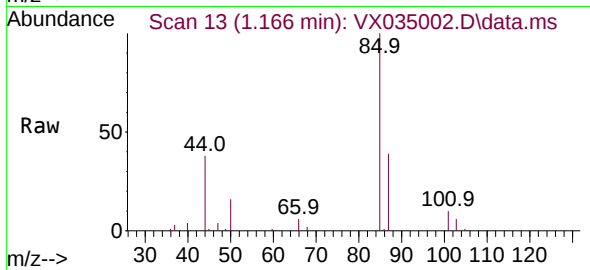
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 1.949 ug/L
RT: 1.166 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035002.D
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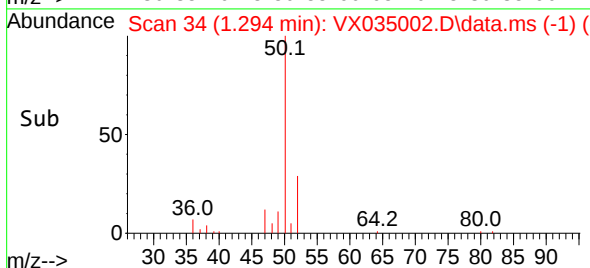
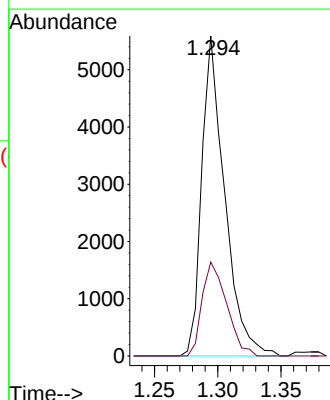
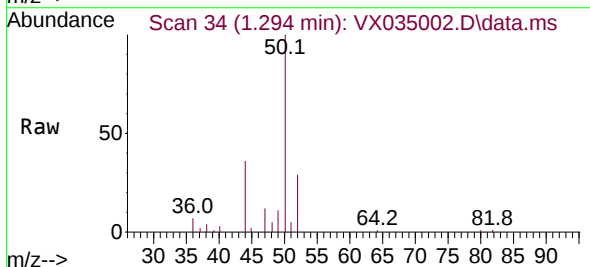
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

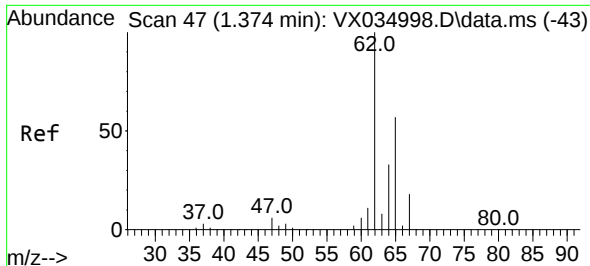
Tgt Ion: 85 Resp: 7029
Ion Ratio Lower Upper
85 100
87 30.4 25.7 38.5



#3
Chloromethane
Concen: 2.088 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 50 Resp: 7079
Ion Ratio Lower Upper
50 100
52 29.3 22.9 42.5

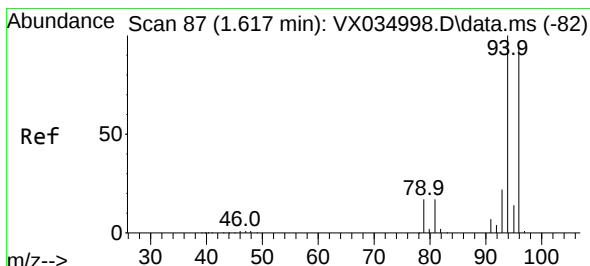
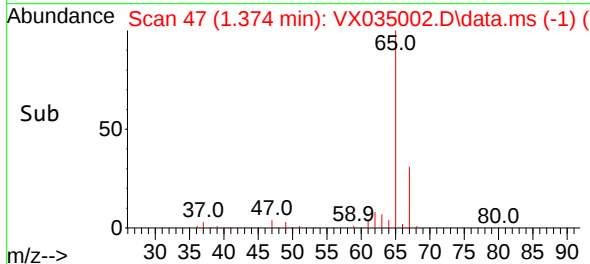
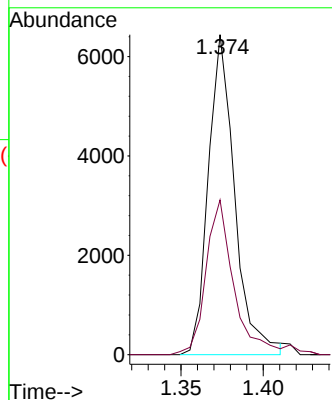
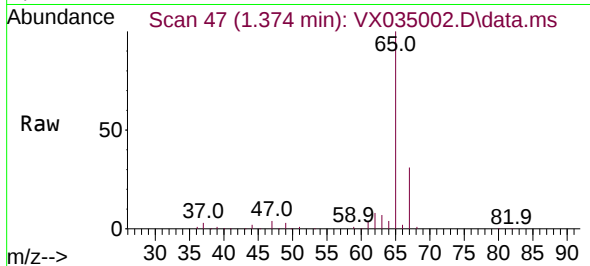




#5
 Vinyl chloride
 Concen: 2.087 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

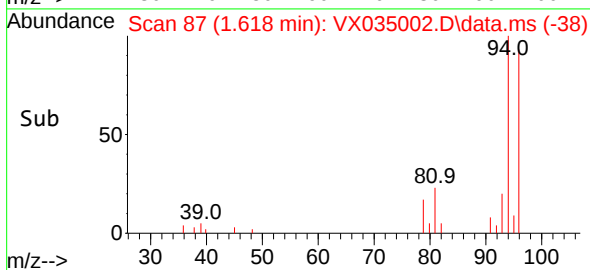
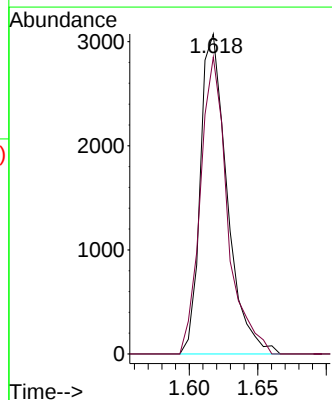
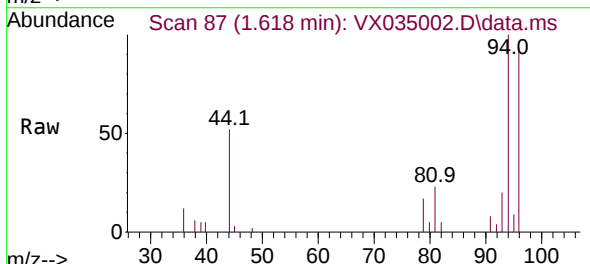
Instrument :
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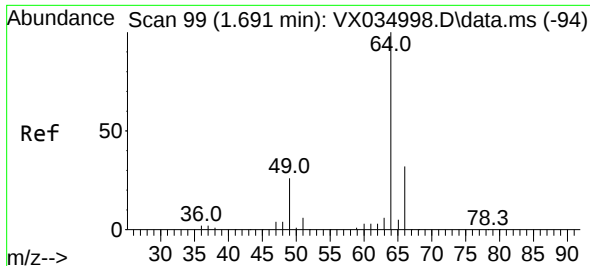
Tgt Ion: 62 Resp: 7172
 Ion Ratio Lower Upper
 62 100
 64 48.3 22.3 41.3#



#6
 Bromomethane
 Concen: 2.154 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.000 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

Tgt Ion: 94 Resp: 4183
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.6 123.6

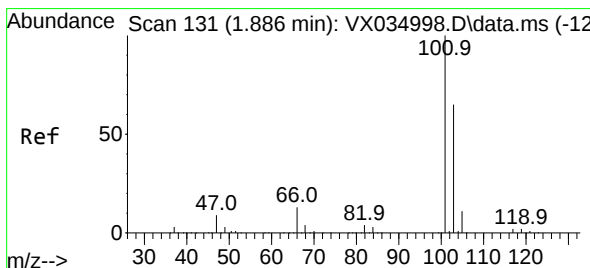
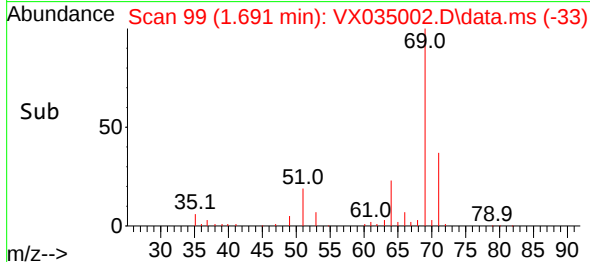
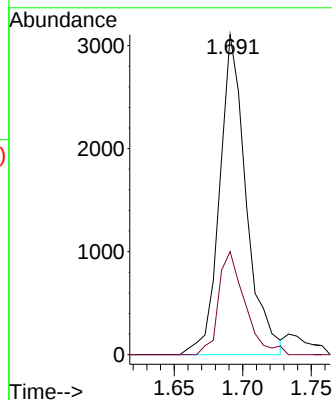
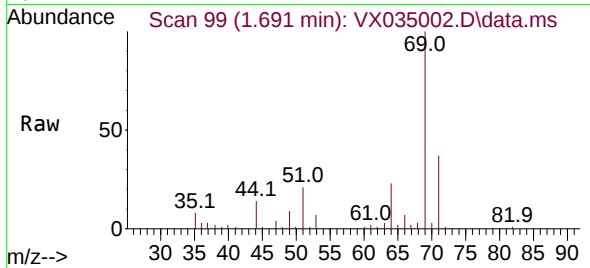




#8
Chloroethane
Concen: 2.172 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

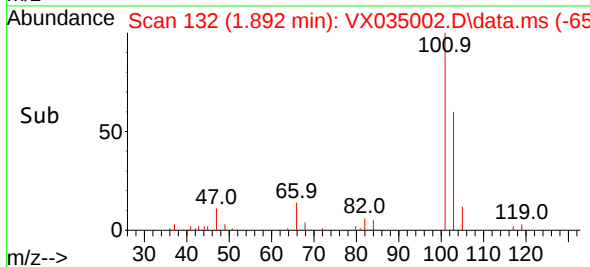
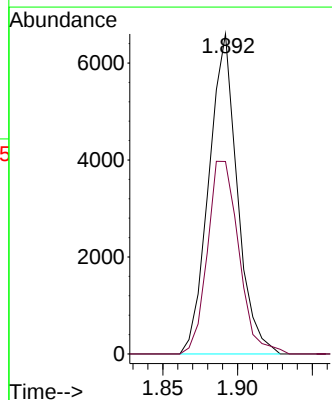
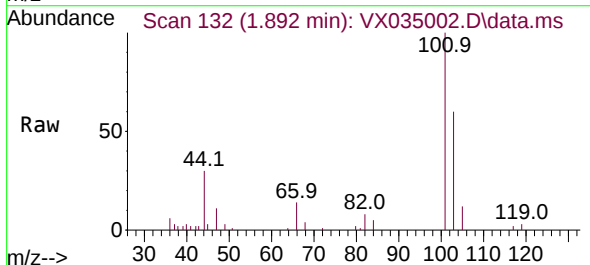
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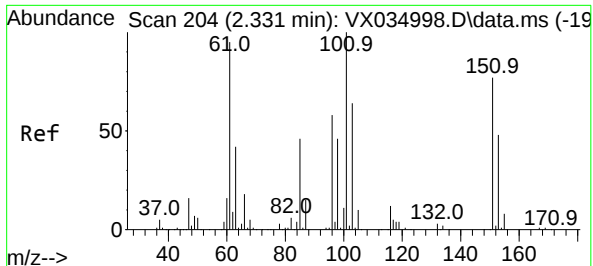
Tgt Ion: 64 Resp: 4199
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 1.832 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 101 Resp: 8757
Ion Ratio Lower Upper
101 100
103 66.3 51.9 77.9

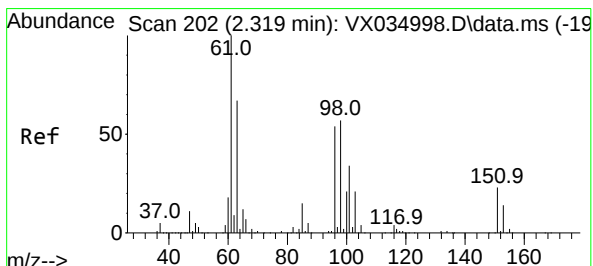
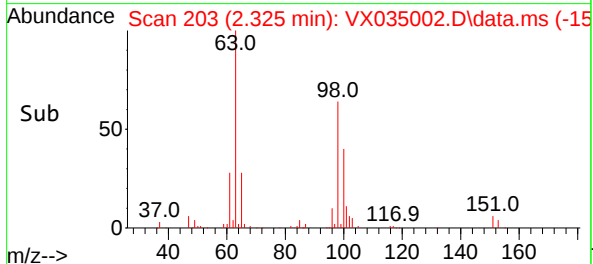
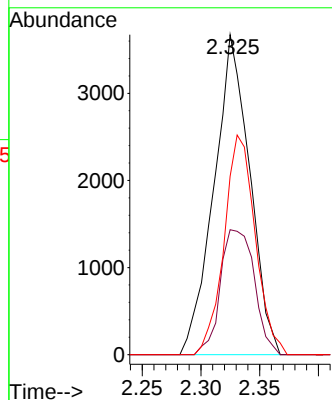
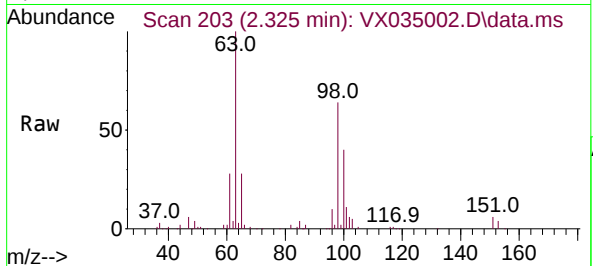




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.616 ug/L
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

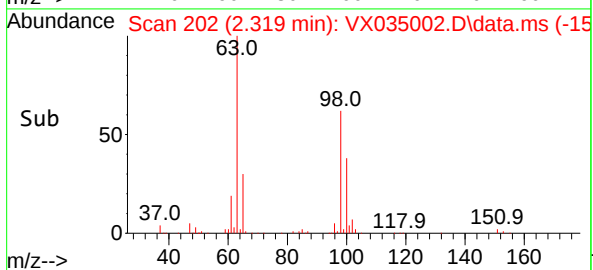
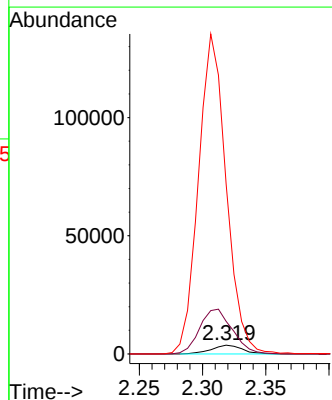
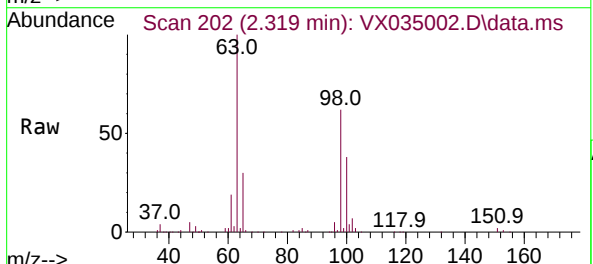
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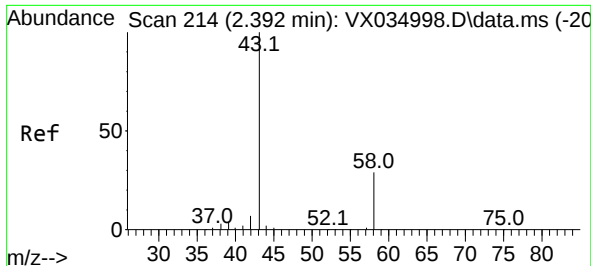
Tgt Ion:101 Resp: 7760
Ion Ratio Lower Upper
101 100
85 37.2 36.4 54.6
151 60.1 59.7 89.5



#12
1,1-Dichloroethene
Concen: 2.404 ug/L
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 96 Resp: 6347
Ion Ratio Lower Upper
96 100
61 371.2 132.4 245.8#
63 1930.3 105.5 195.9#





#13

Acetone

Concen: 4.405 ug/L

RT: 2.404 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

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MSVOA_X

ClientSampleId :

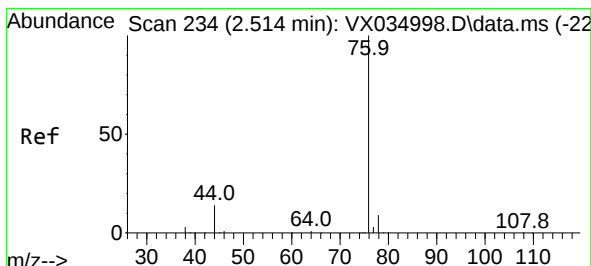
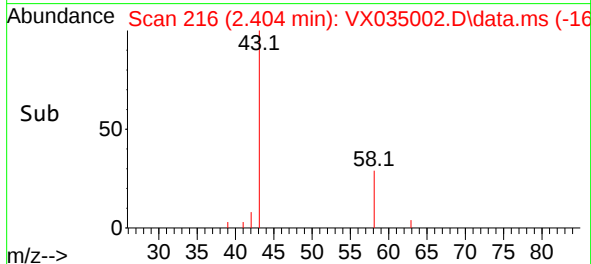
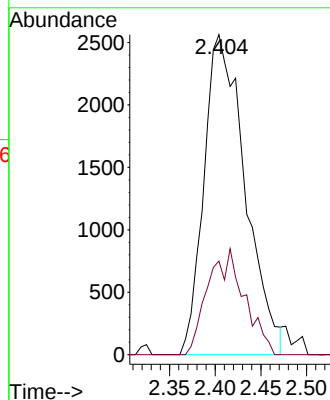
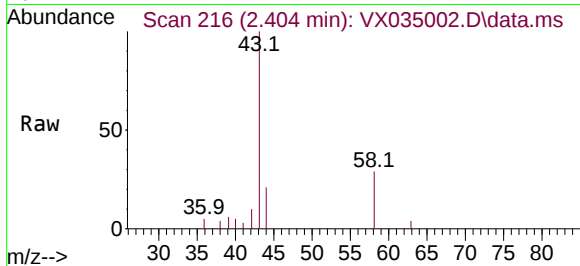
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 8007

Ion Ratio Lower Upper

43 100

58 15.0 0.0 57.4



#14

Carbon disulfide

Concen: 1.561 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX035002.D

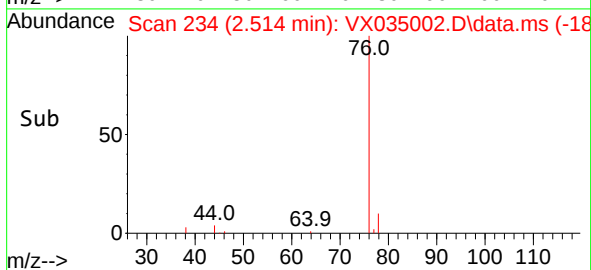
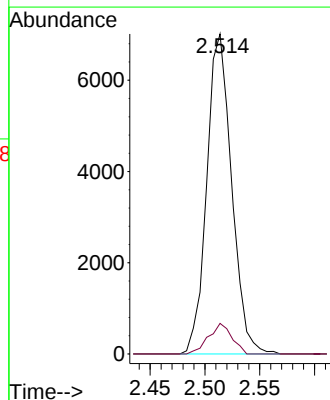
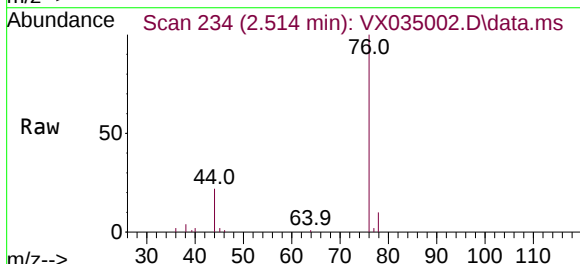
Acq: 11 Apr 2023 11:28

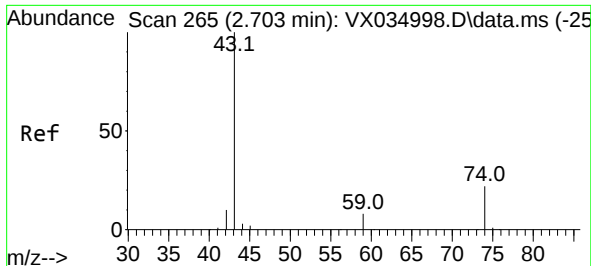
Tgt Ion: 76 Resp: 11082

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

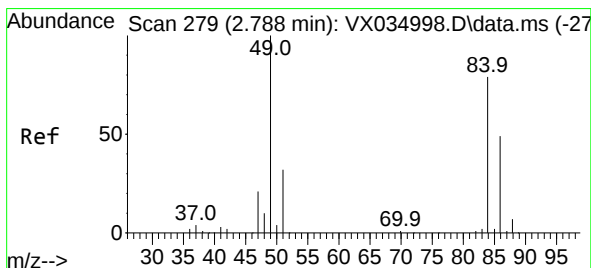
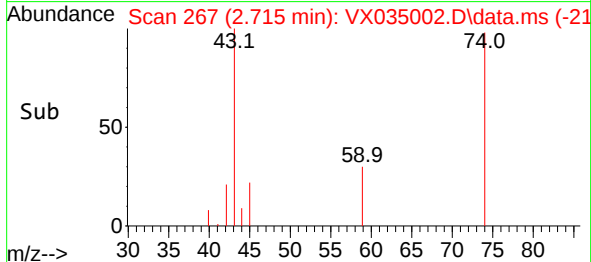
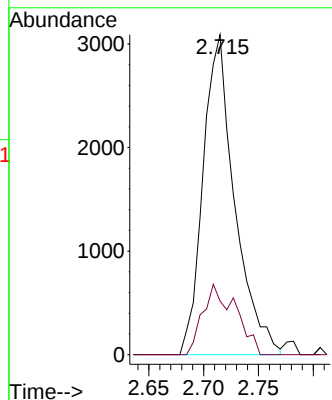
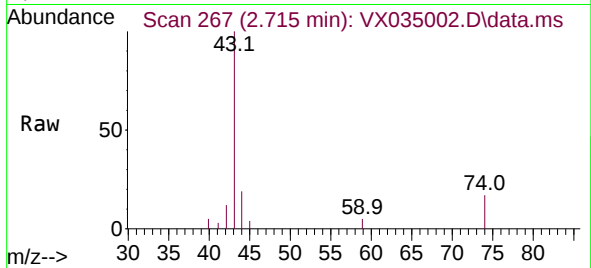




#15
Methyl Acetate
Concen: 1.989 ug/L
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

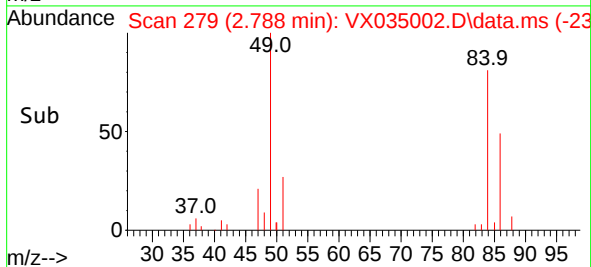
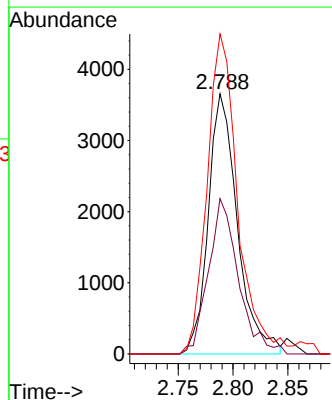
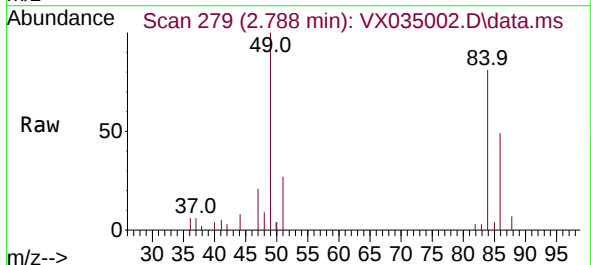
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

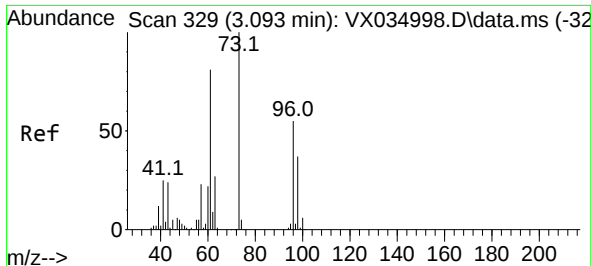
Tgt Ion: 43 Resp: 6204
Ion Ratio Lower Upper
43 100
74 15.2 17.5 26.3#



#16
Methylene chloride
Concen: 2.335 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 84 Resp: 6764
Ion Ratio Lower Upper
84 100
86 59.7 44.7 82.9
49 123.0 92.3 171.5

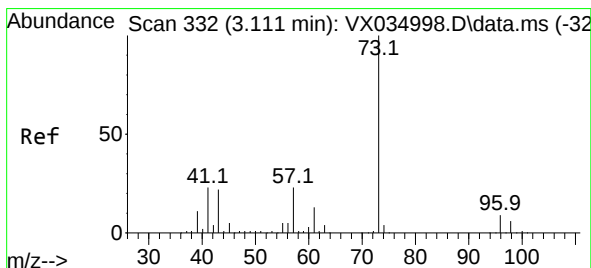
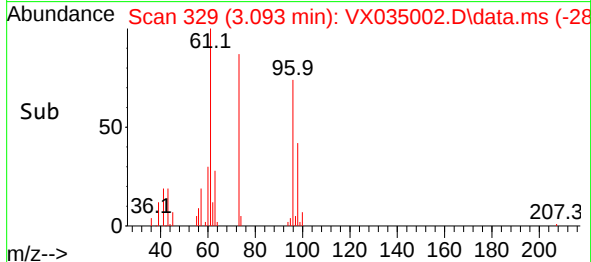
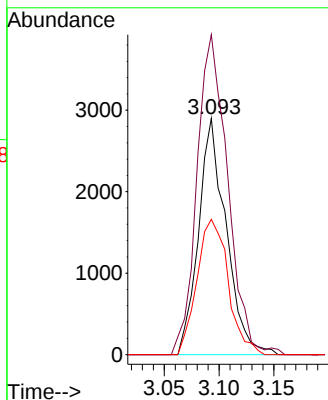
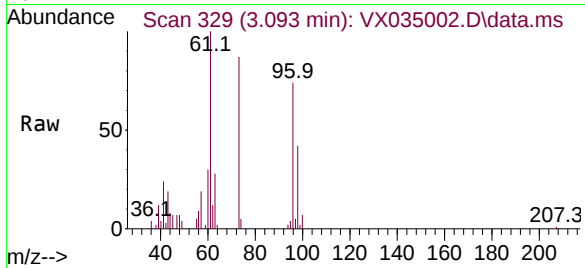




#17
trans-1,2-Dichloroethene
Concen: 1.871 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

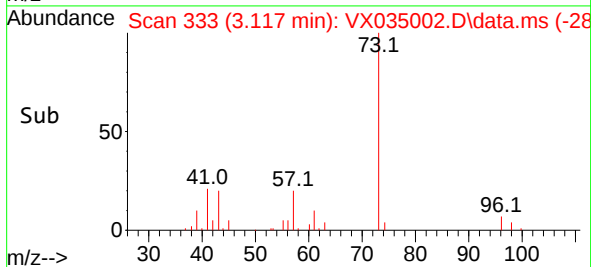
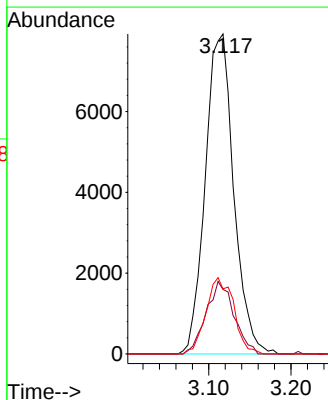
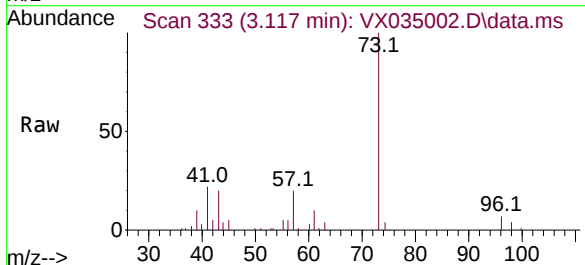
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

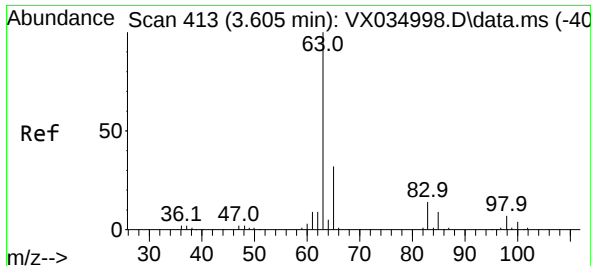
Tgt Ion: 96 Resp: 5079
Ion Ratio Lower Upper
96 100
61 135.4 102.0 189.4
98 57.3 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 2.009 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 73 Resp: 19064
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.2
57 23.2 17.7 26.5

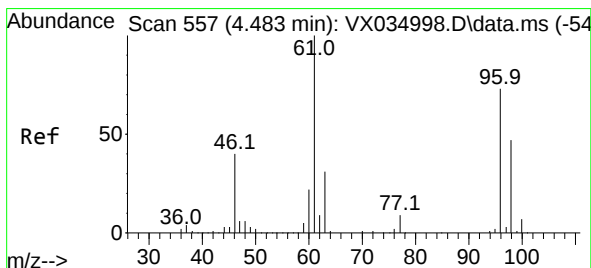
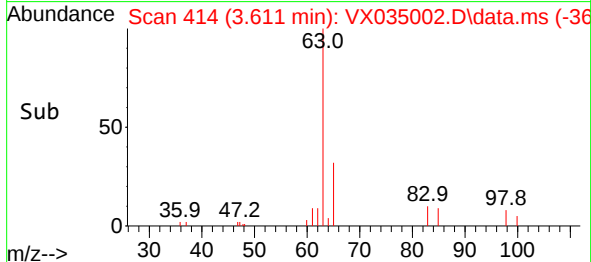
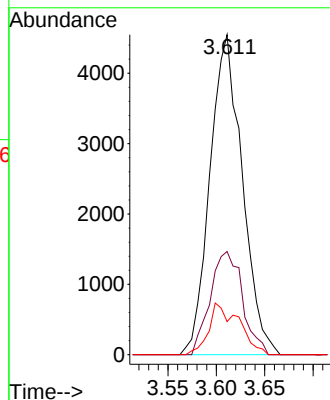
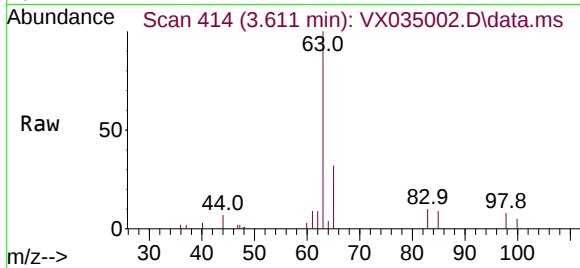




#19
1,1-Dichloroethane
Concen: 1.955 ug/L
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

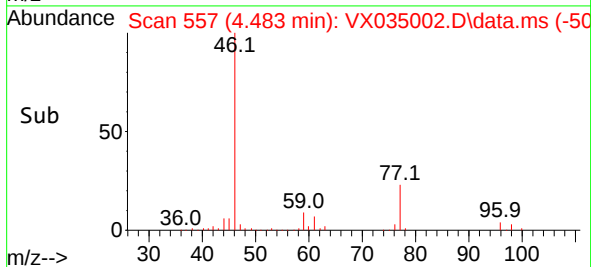
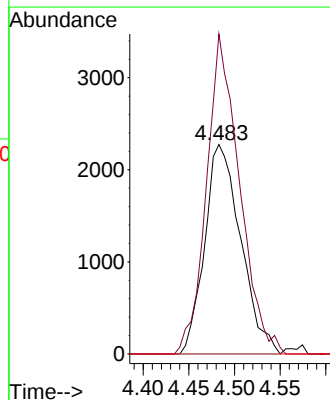
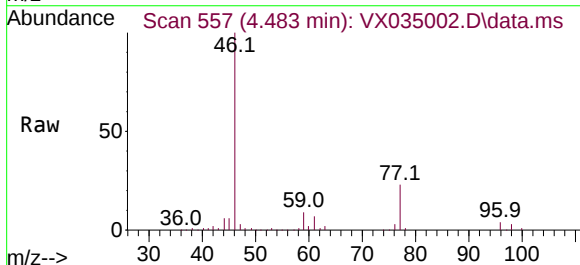
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

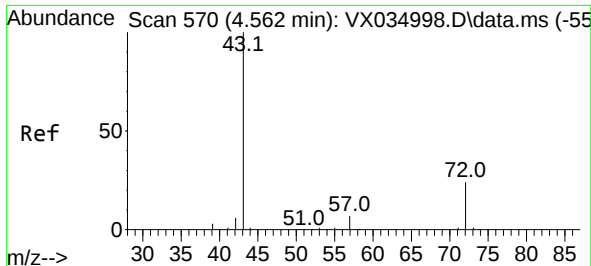
Tgt Ion:	63	Resp:	10572
Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.1	41.1
83	10.4	9.7	17.9



#20
cis-1,2-Dichloroethene
Concen: 2.010 ug/L
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:	96	Resp:	6243
Ion	Ratio	Lower	Upper
96	100		
61	152.8	95.7	177.7
68	0.0	0.0	0.0

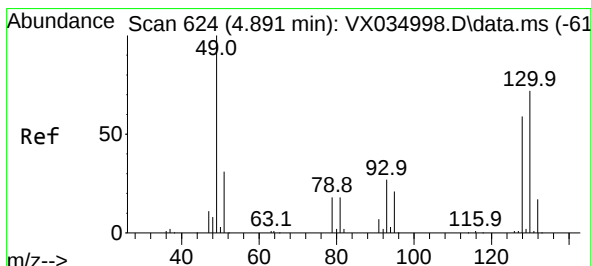
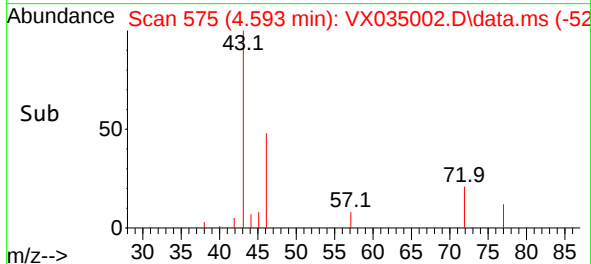
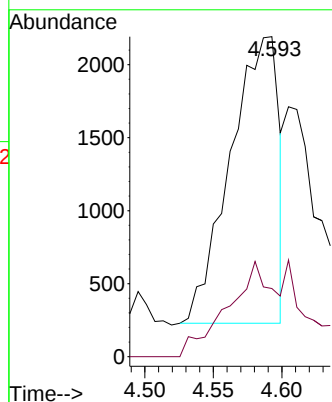
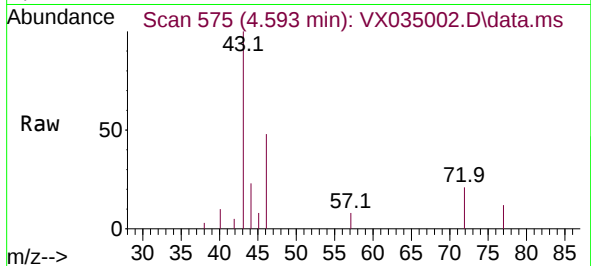




#22
2-Butanone
Concen: 2.083 ug/L
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

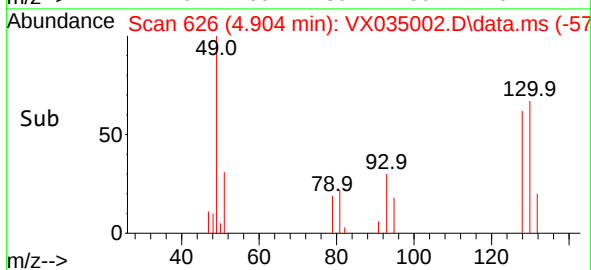
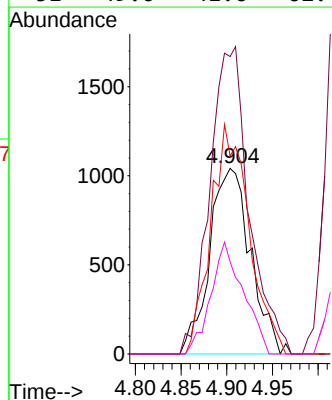
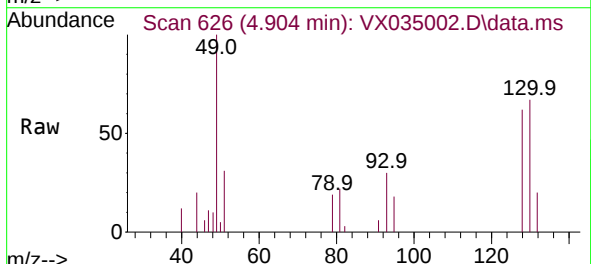
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

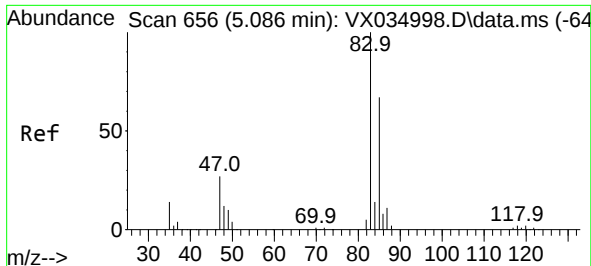
Tgt Ion: 43 Resp: 4837
Ion Ratio Lower Upper
43 100
72 15.5 11.5 34.5



#23
Bromochloromethane
Concen: 2.101 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 128 Resp: 3228
Ion Ratio Lower Upper
128 100
49 160.2 123.9 230.1
130 106.6 92.1 171.1
51 49.6 41.6 62.4

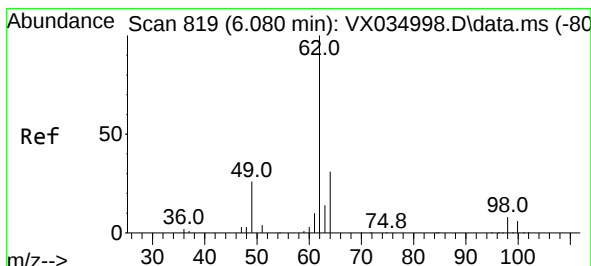
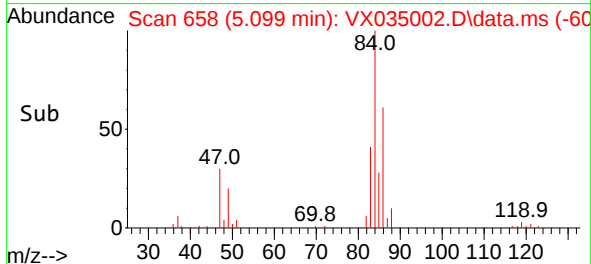
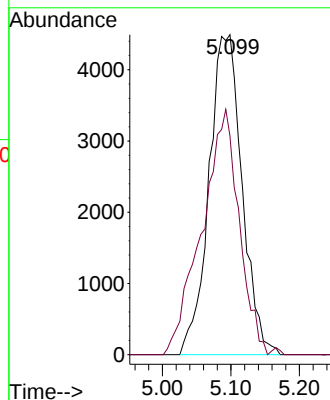
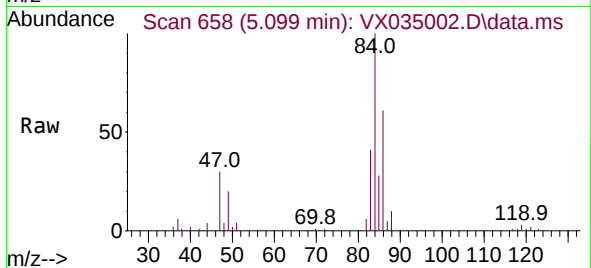




#25
Chloroform
Concen: 2.718 ug/L
RT: 5.099 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

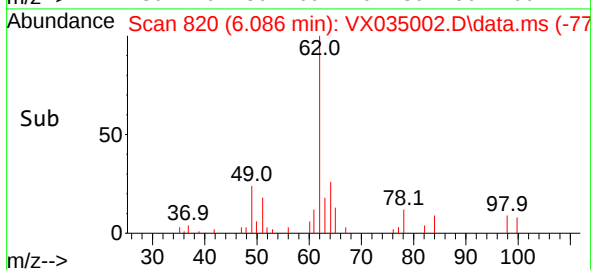
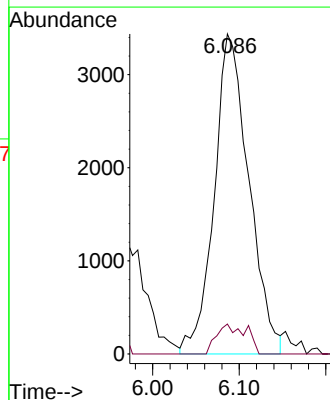
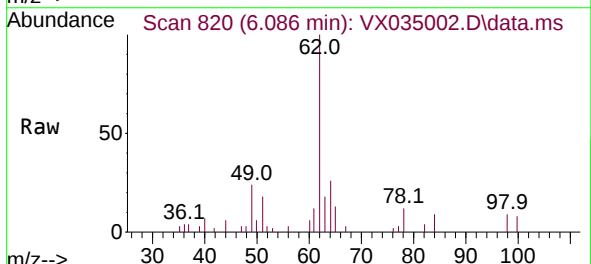
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

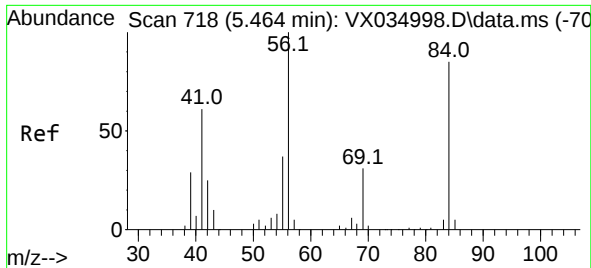
Tgt Ion: 83 Resp: 15070
Ion Ratio Lower Upper
83 100
85 68.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 2.034 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 62 Resp: 9551
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.6

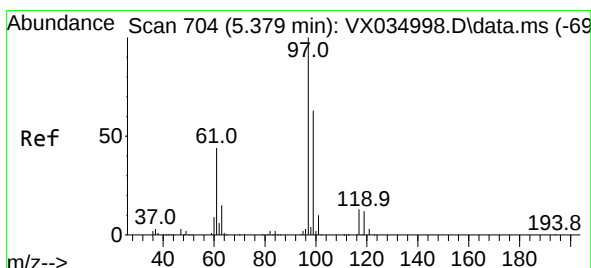
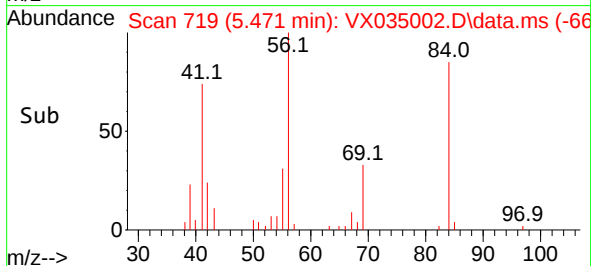
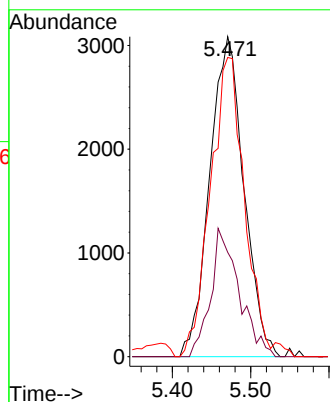
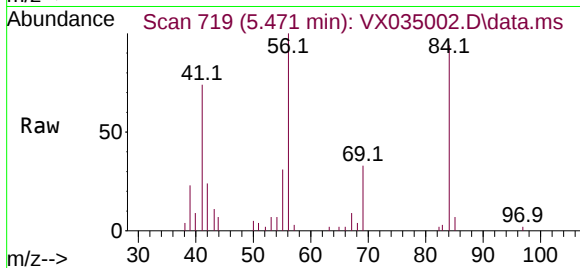




#29
Cyclohexane
Concen: 1.871 ug/L
RT: 5.471 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

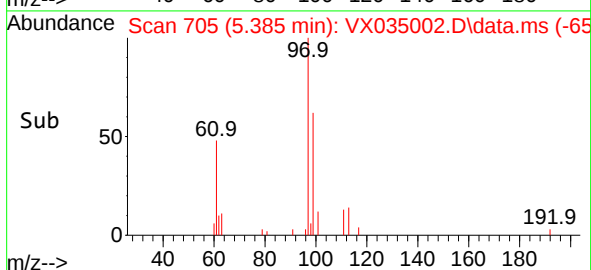
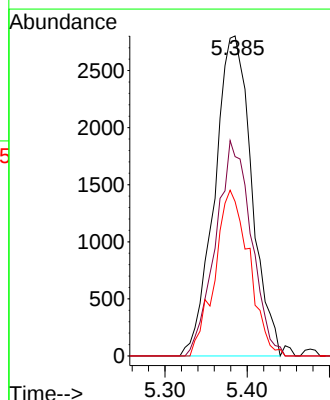
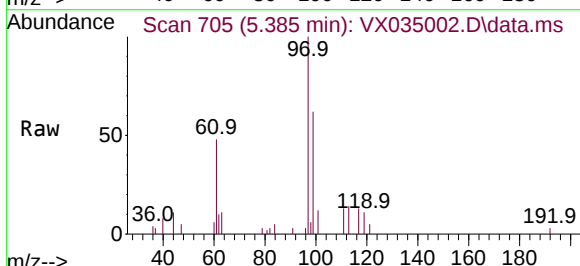
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

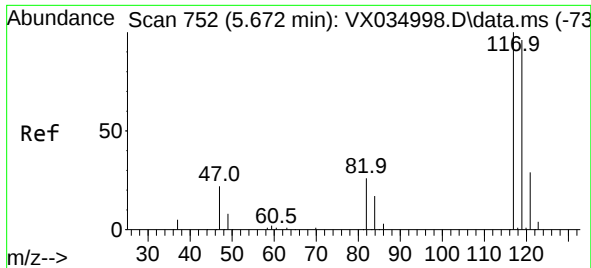
Tgt Ion:	56	Resp:	9344
Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.5	36.7
84	92.8	69.4	104.2



#30
1,1,1-Trichloroethane
Concen: 1.828 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:	97	Resp:	8778
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	47.9	36.8	55.2

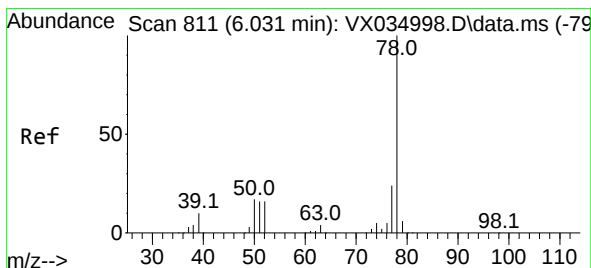
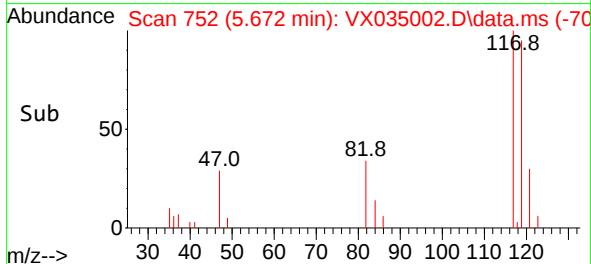
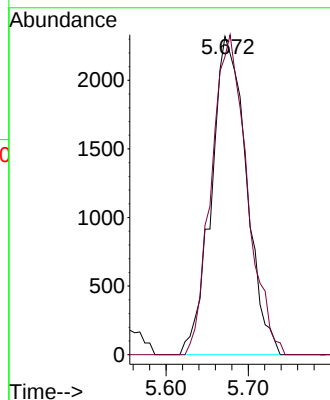
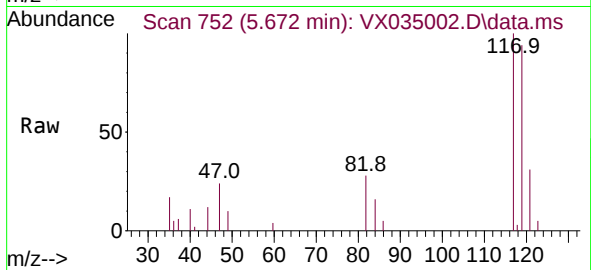




#31
Carbon tetrachloride
Concen: 1.662 ug/L
RT: 5.672 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

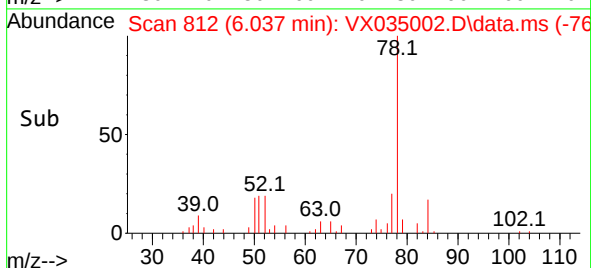
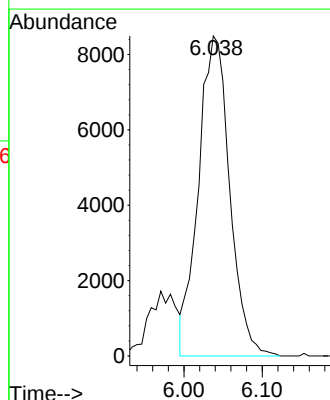
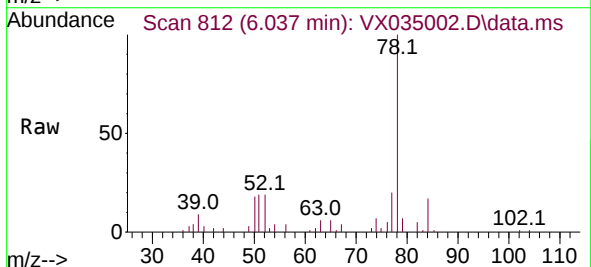
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

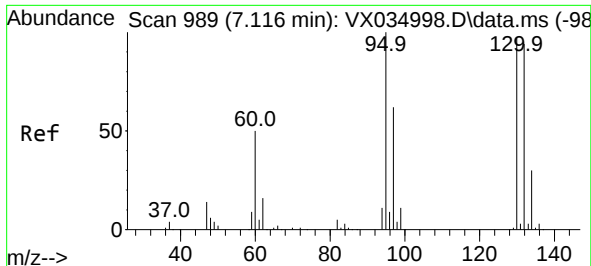
Tgt Ion:117 Resp: 6878
Ion Ratio Lower Upper
117 100
119 102.2 76.7 115.1



#33
Benzene
Concen: 2.035 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 78 Resp: 23568



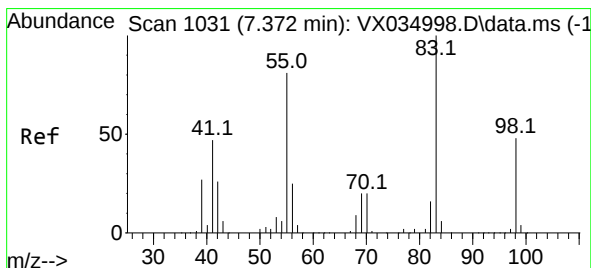
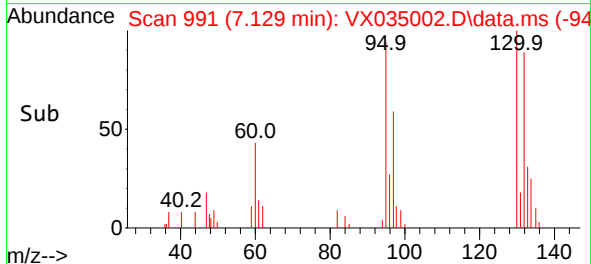
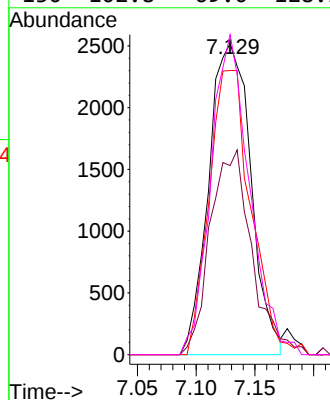
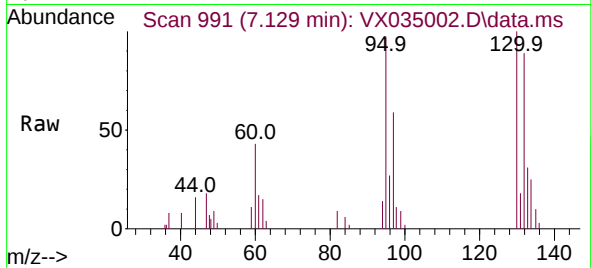


#34
Trichloroethene
Concen: 2.006 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 95 Resp: 6263

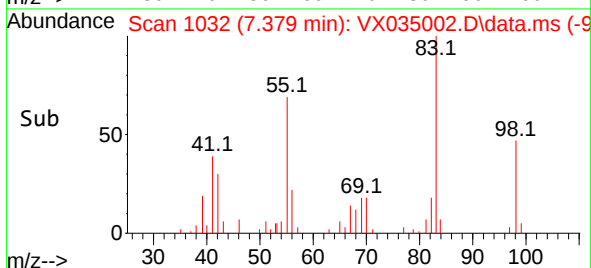
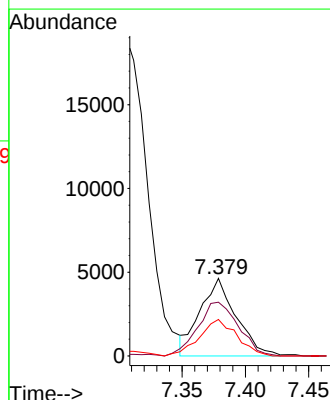
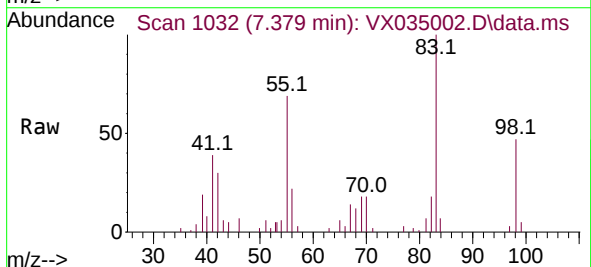
Ion	Ratio	Lower	Upper
95	100		
97	72.4	45.4	84.2
132	91.3	66.8	124.0
130	102.8	69.0	128.1

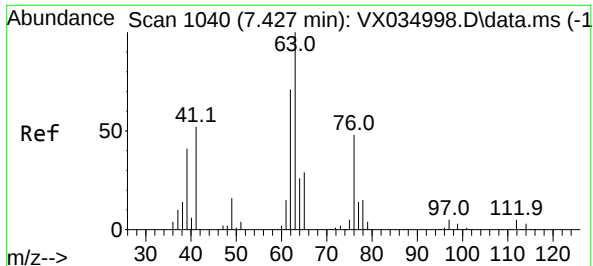


#35
Methylcyclohexane
Concen: 2.037 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 83 Resp: 9172

Ion	Ratio	Lower	Upper
83	100		
55	77.9	65.0	97.6
98	48.7	38.7	58.1





#37

1,2-Dichloropropane

Concen: 1.998 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

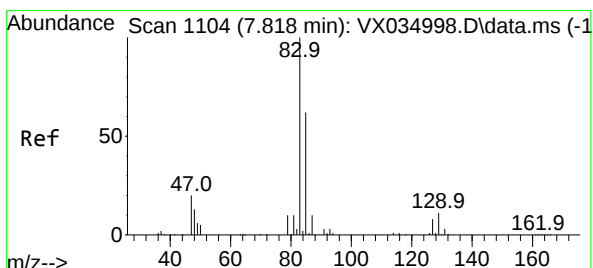
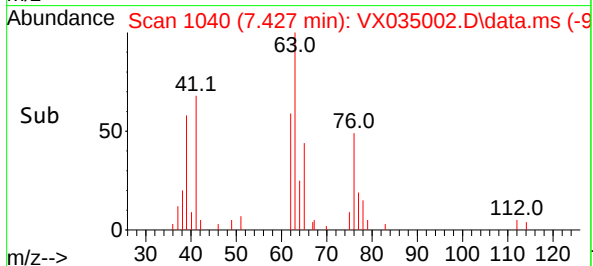
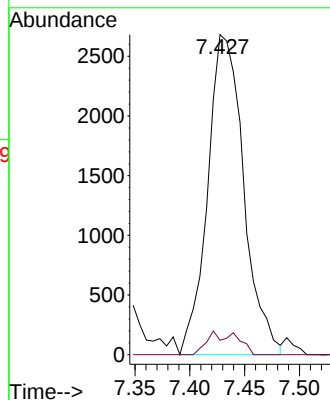
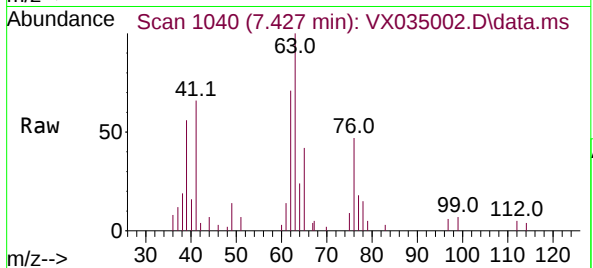
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 63 Resp: 6133

Ion Ratio Lower Upper

63 100

112 2.9 3.6 5.4#



#38

Bromodichloromethane

Concen: 1.682 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

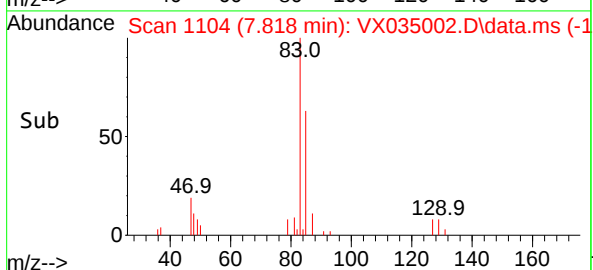
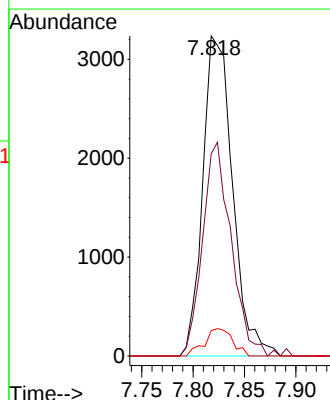
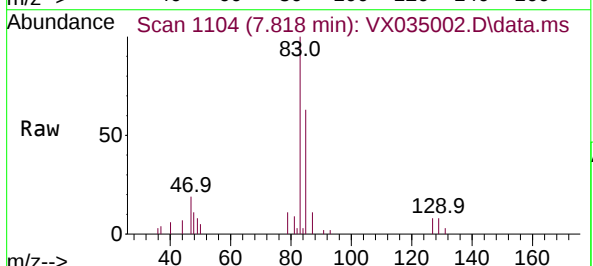
Tgt Ion: 83 Resp: 6533

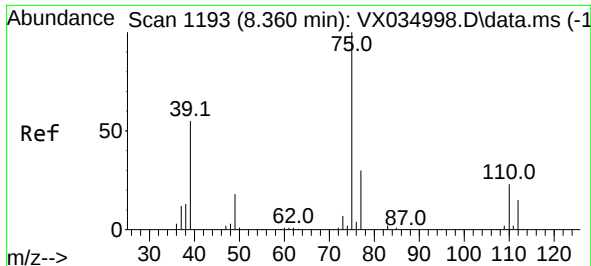
Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.6

127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 1.847 ug/L

RT: 8.366 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

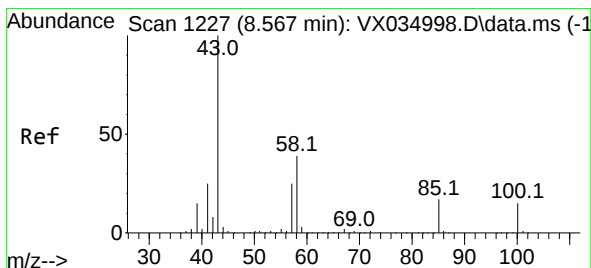
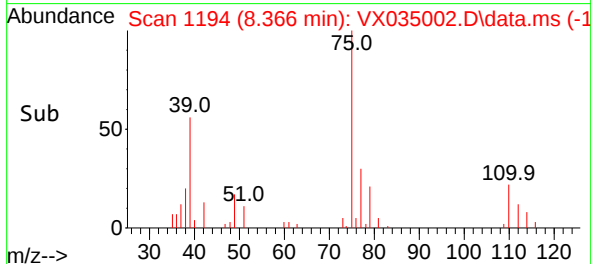
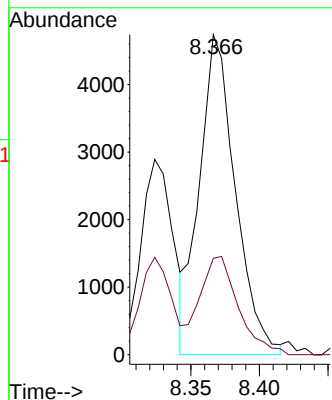
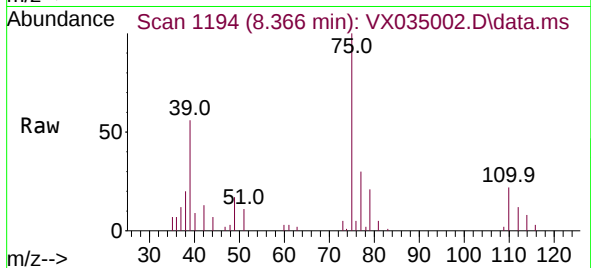
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 75 Resp: 8663

Ion Ratio Lower Upper

75 100

77 30.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 3.839 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

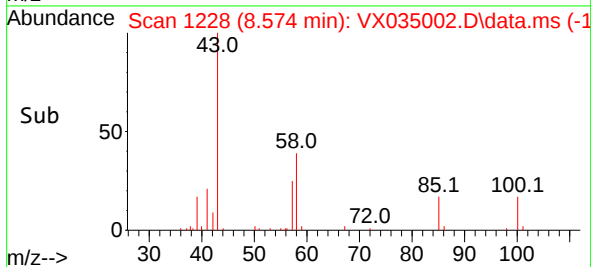
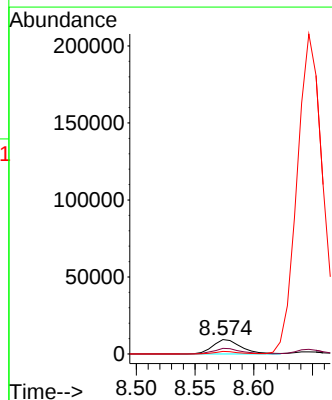
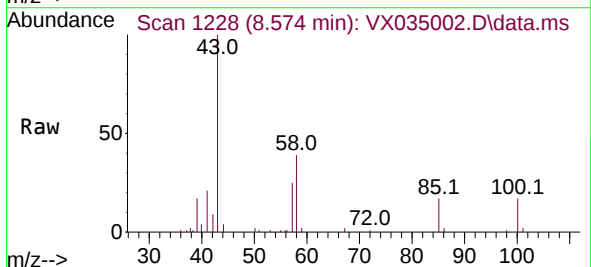
Tgt Ion: 43 Resp: 15657

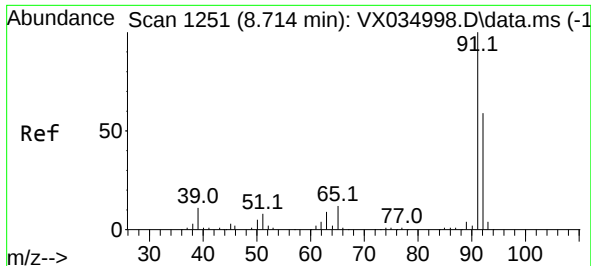
Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1

100 15.1 11.9 17.9





#42

Toluene

Concen: 2.013 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

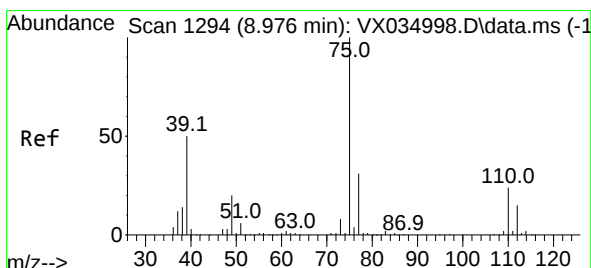
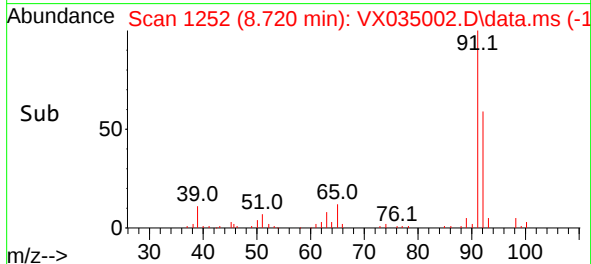
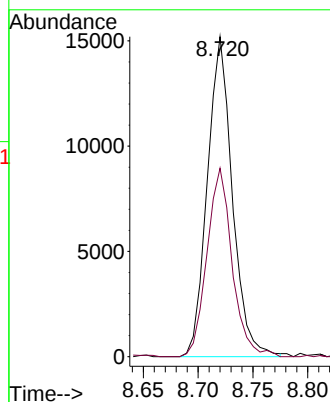
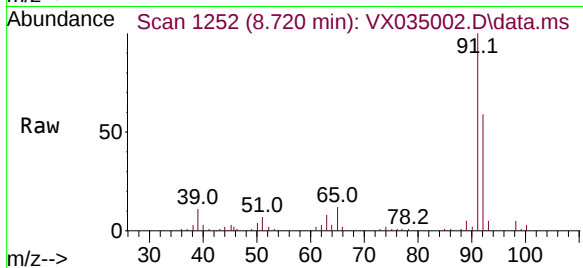
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 24142

Ion Ratio Lower Upper

91 100

92 58.9 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 1.820 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX035002.D

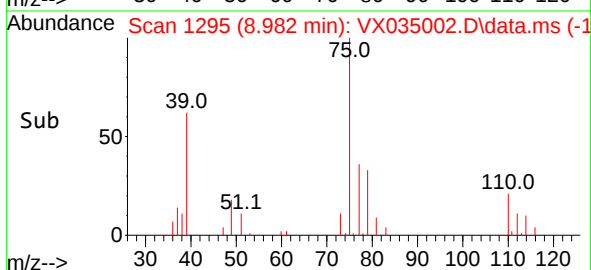
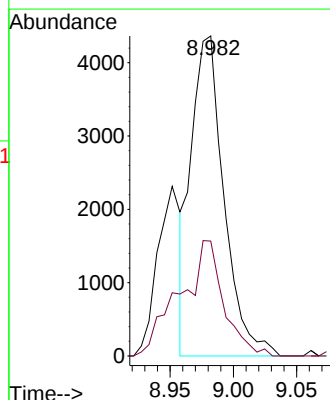
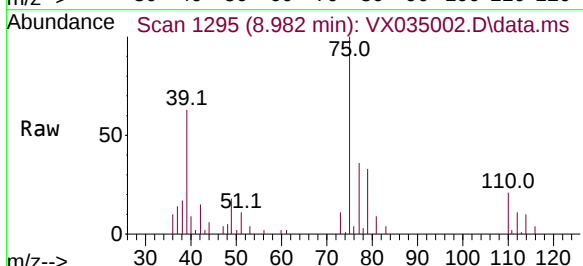
Acq: 11 Apr 2023 11:28

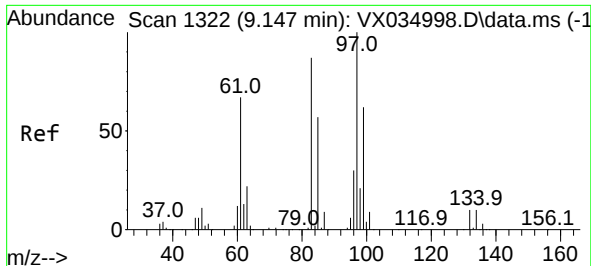
Tgt Ion: 75 Resp: 7861

Ion Ratio Lower Upper

75 100

77 35.9 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.022 ug/L

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 97 Resp: 5787

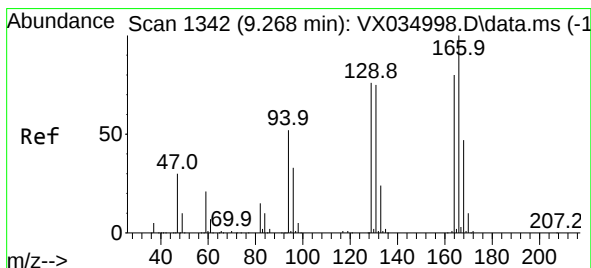
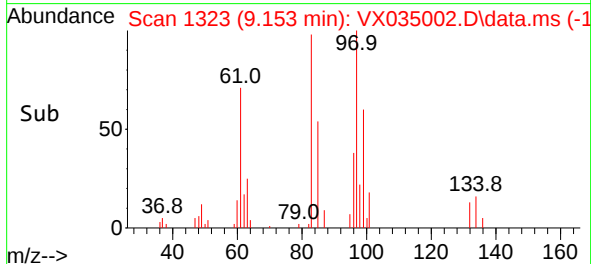
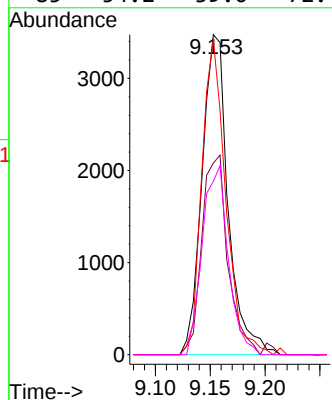
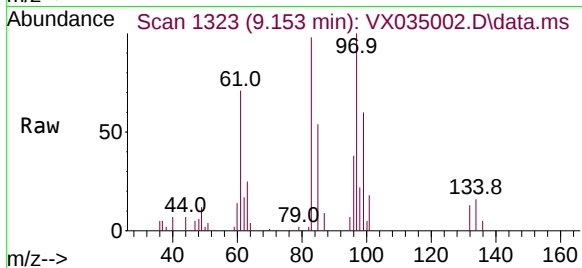
Ion Ratio Lower Upper

97 100

99 59.9 44.8 83.2

83 98.5 60.5 112.3

85 54.2 39.0 72.4



#46

Tetrachloroethene

Concen: 2.092 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Tgt Ion: 164 Resp: 4867

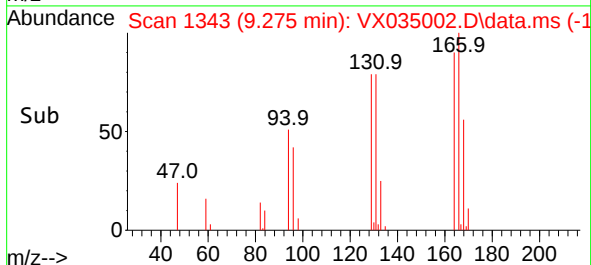
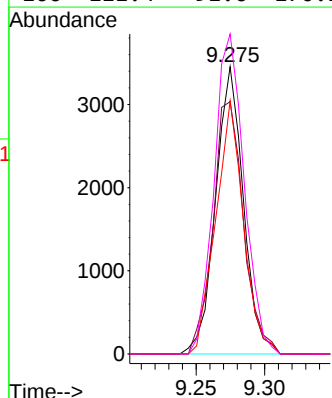
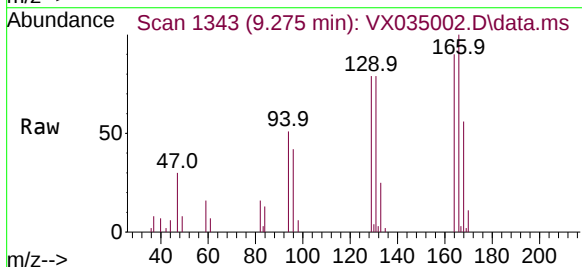
Ion Ratio Lower Upper

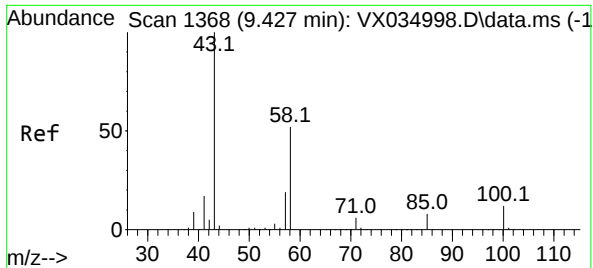
164 100

129 87.8 67.7 125.7

131 88.2 65.8 122.2

166 111.4 91.6 170.2

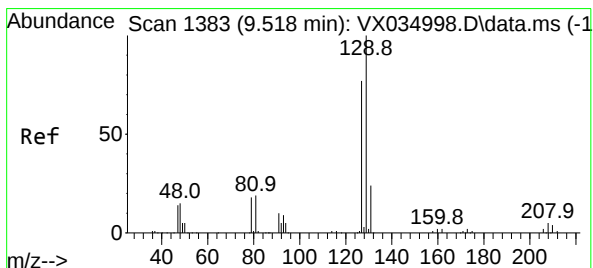
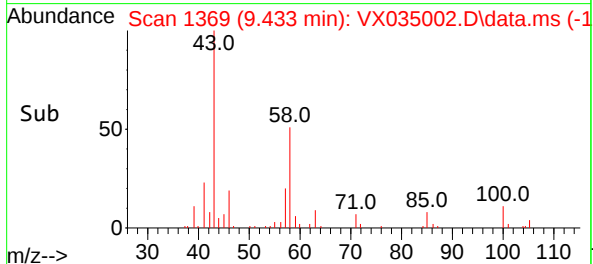
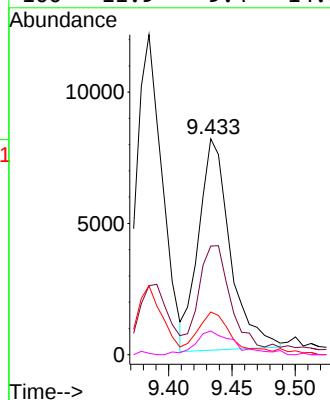
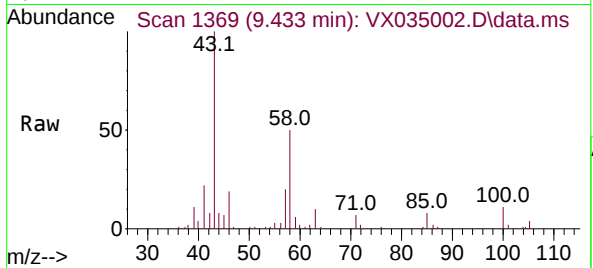




#48
2-Hexanone
Concen: 4.381 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

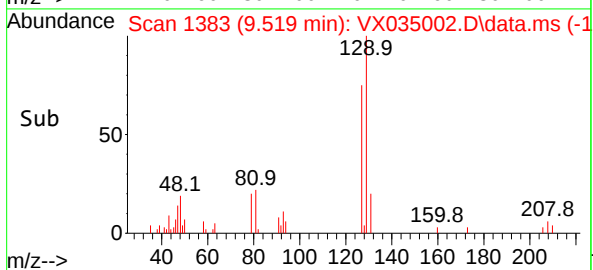
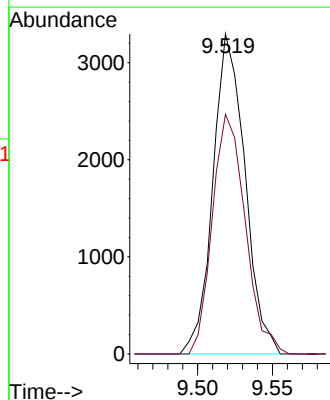
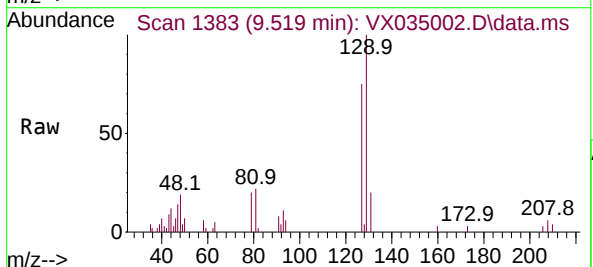
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

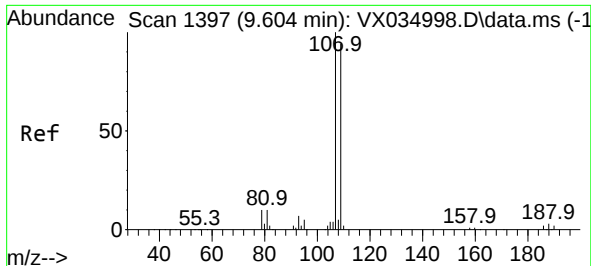
Tgt Ion:	43	Resp:	14005
Ion	Ratio	Lower	Upper
43	100		
58	50.0	42.1	63.1
57	20.8	15.0	22.6
100	11.9	9.4	14.0



#49
Dibromochloromethane
Concen: 1.743 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:	129	Resp:	4907
Ion	Ratio	Lower	Upper
129	100		
127	74.9	55.0	102.2





#50

1,2-Dibromoethane

Concen: 1.927 ug/L

RT: 9.610 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

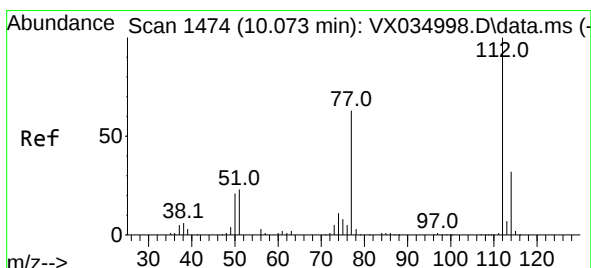
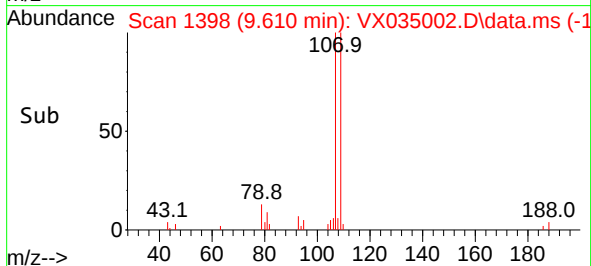
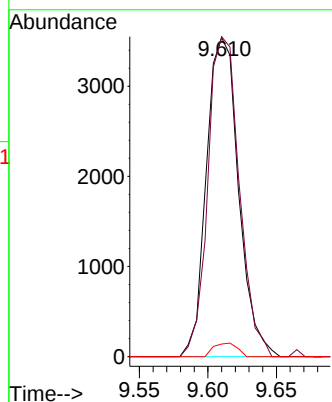
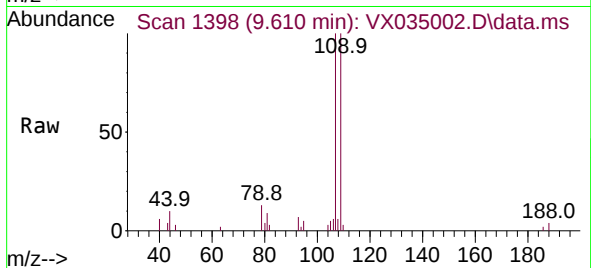
Tgt Ion:107 Resp: 5788

Ion Ratio Lower Upper

107 100

109 100.3 65.4 121.4

188 4.0 2.7 4.1



#51

Chlorobenzene

Concen: 2.042 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

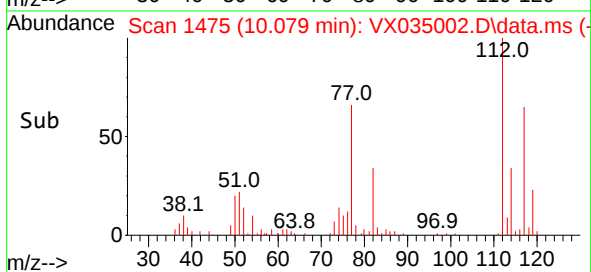
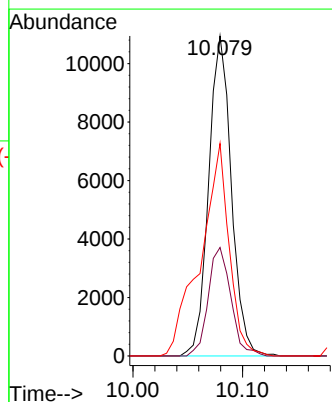
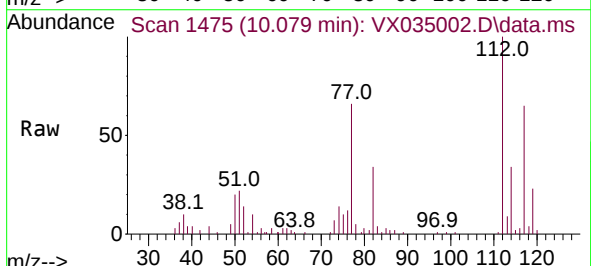
Tgt Ion:112 Resp: 15786

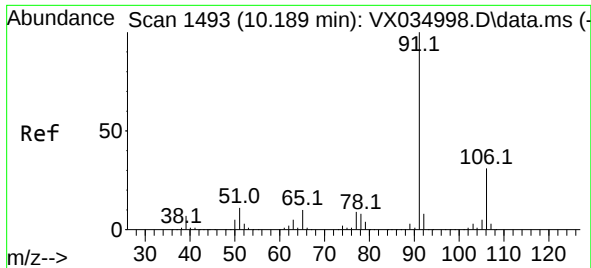
Ion Ratio Lower Upper

112 100

114 33.9 22.6 42.0

77 66.4 48.8 73.2

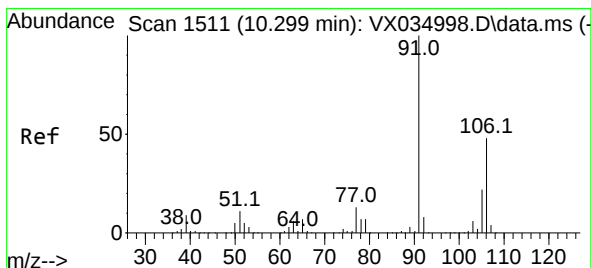
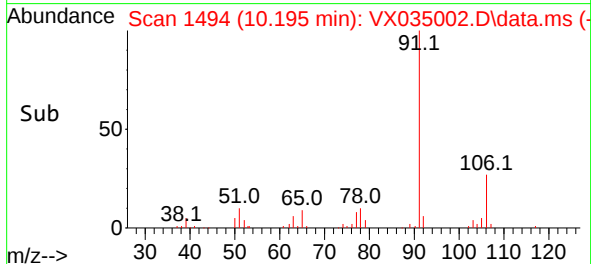
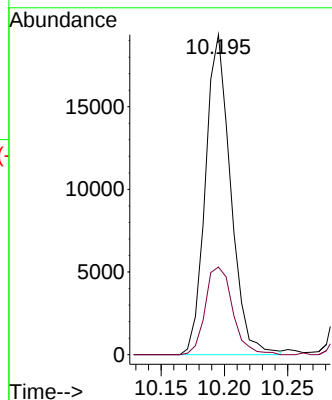
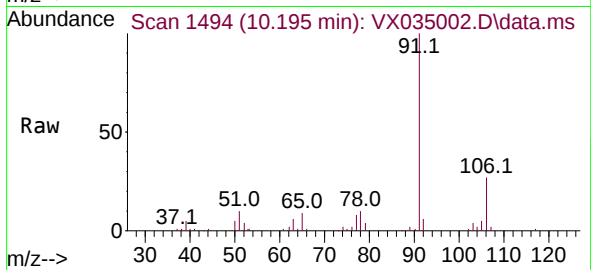




#52
Ethylbenzene
Concen: 1.974 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

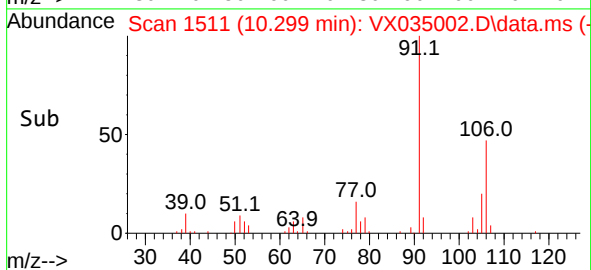
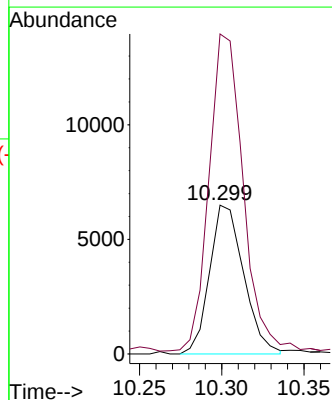
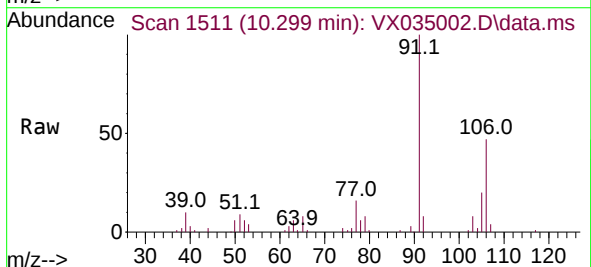
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

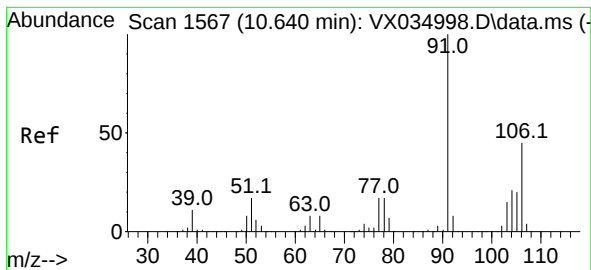
Tgt Ion: 91 Resp: 26873
Ion Ratio Lower Upper
91 100
106 27.4 21.3 39.6



#53
m,p-Xylene
Concen: 1.826 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 106 Resp: 9366
Ion Ratio Lower Upper
106 100
91 215.0 146.4 272.0





#54

o-Xylene

Concen: 1.876 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

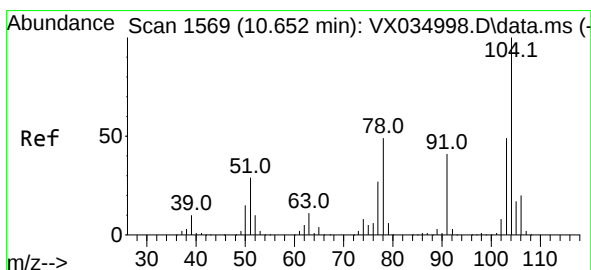
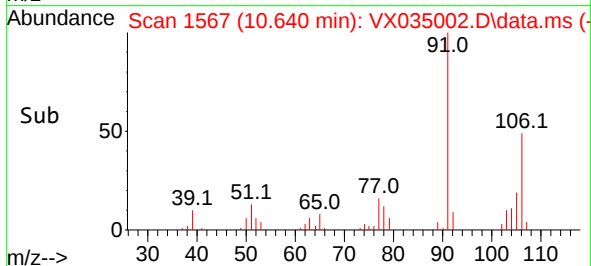
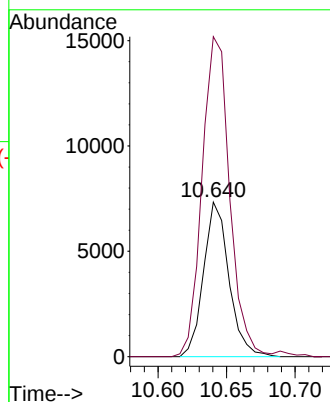
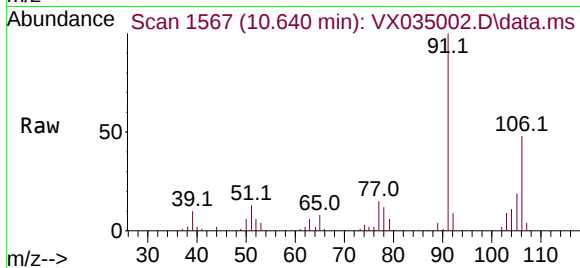
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:106 Resp: 9482

Ion Ratio Lower Upper

106 100

91 207.0 154.0 286.0



#55

Styrene

Concen: 1.782 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX035002.D

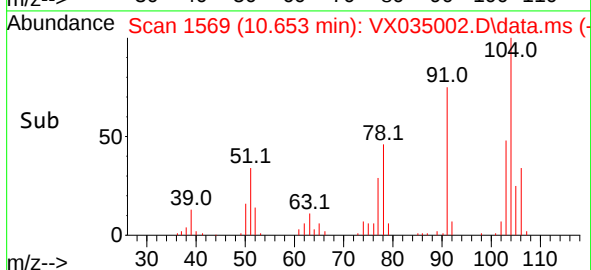
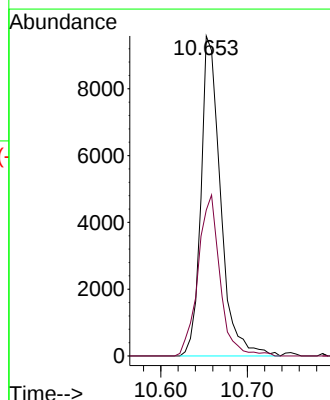
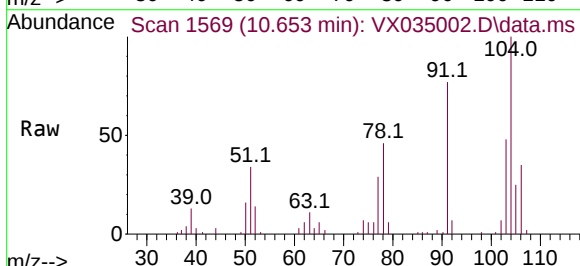
Acq: 11 Apr 2023 11:28

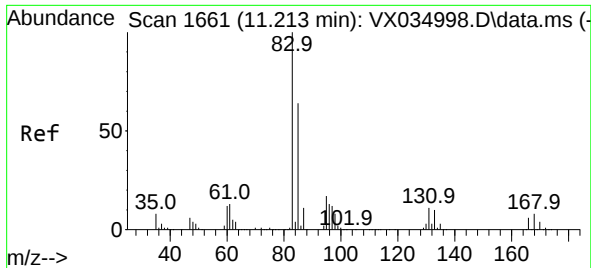
Tgt Ion:104 Resp: 15096

Ion Ratio Lower Upper

104 100

78 45.6 35.4 65.8

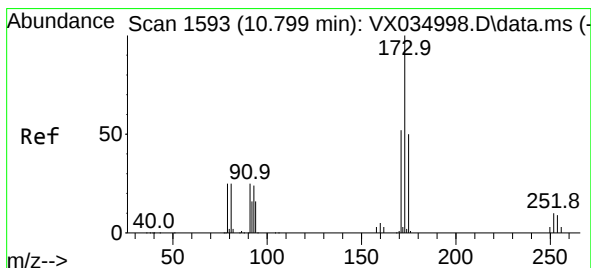
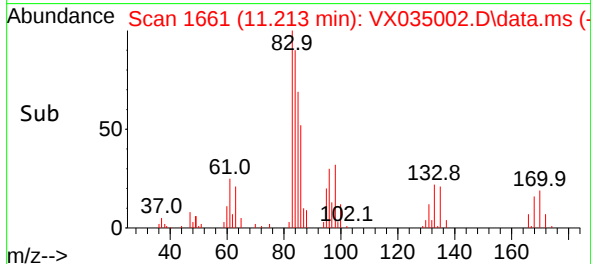
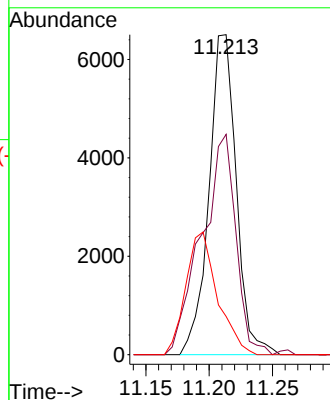
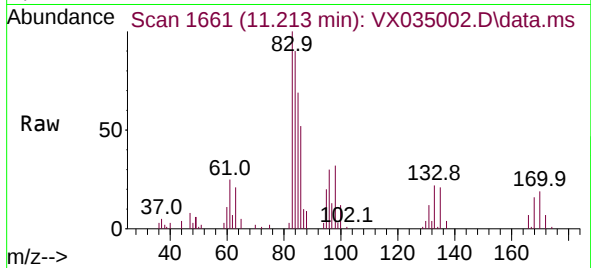




#57
1,1,2,2-Tetrachloroethane
Concen: 2.300 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

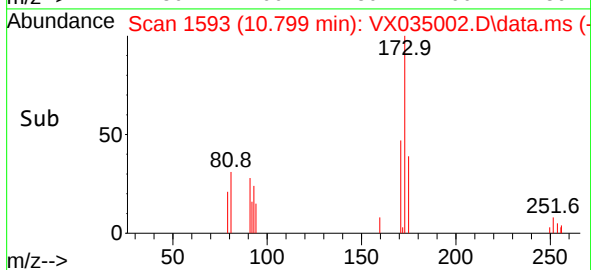
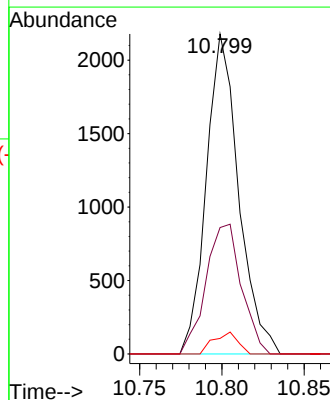
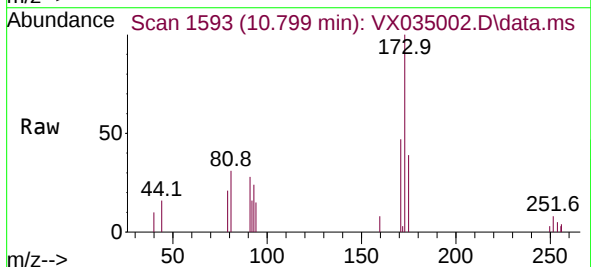
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

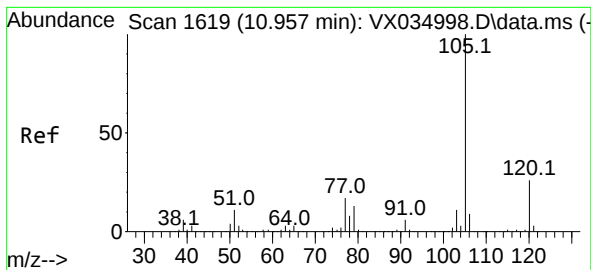
Tgt Ion:	83	Resp:	9774
Ion	Ratio	Lower	Upper
83	100		
85	68.9	45.5	84.5
131	12.0	8.6	12.8



#59
Bromoform
Concen: 1.635 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:	173	Resp:	2979
Ion	Ratio	Lower	Upper
173	100		
175	44.5	39.0	58.4
254	5.1	7.3	10.9#





#60

Isopropylbenzene

Concen: 1.868 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

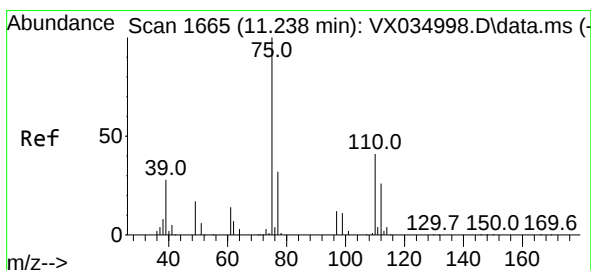
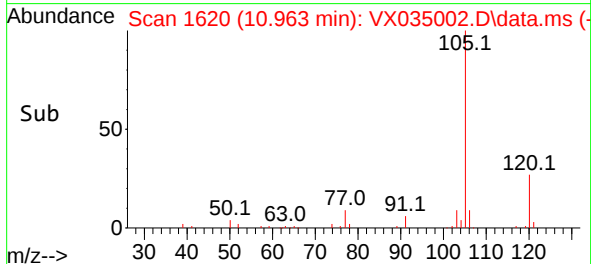
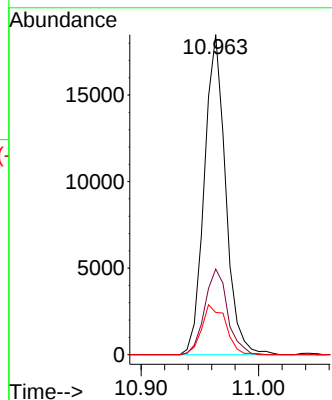
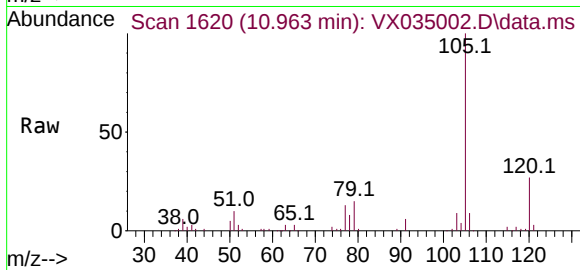
Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion:	105	Resp:	23302
Ion Ratio	Lower	Upper	
105	100		
120	28.6	21.1	31.7
77	17.6	13.3	19.9



#61

1,2,3-Trichloropropane

Concen: 2.244 ug/L

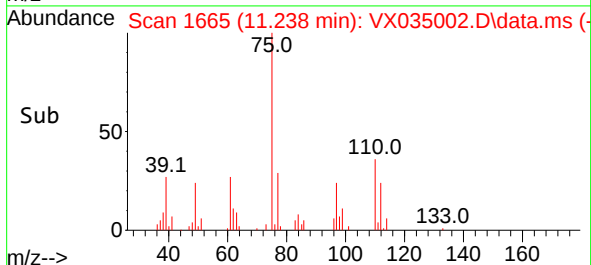
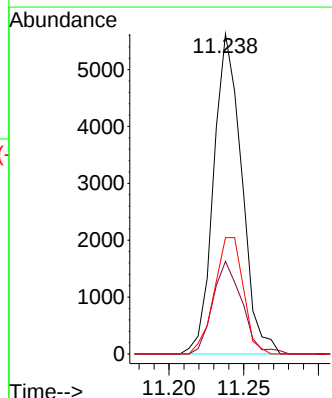
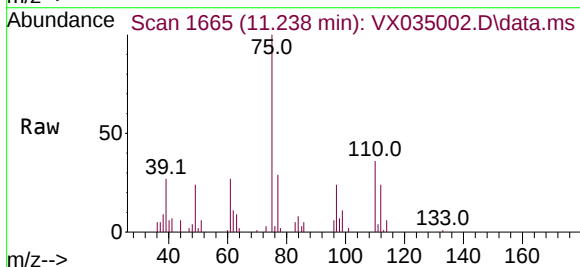
RT: 11.238 min Scan# 1665

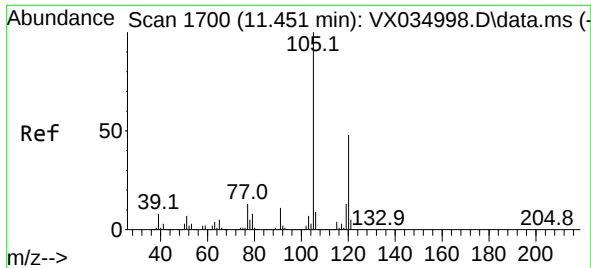
Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Tgt Ion:	75	Resp:	7353
Ion Ratio	Lower	Upper	
75	100		
77	29.3	25.3	37.9
110	37.3	31.8	47.8

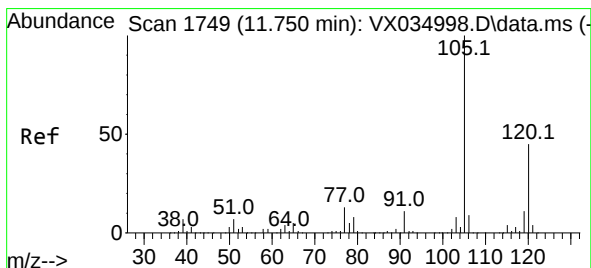
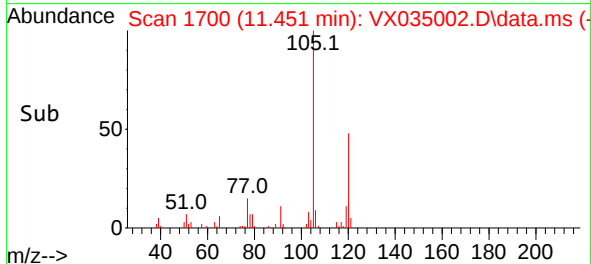
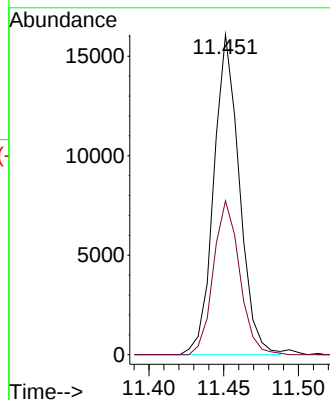
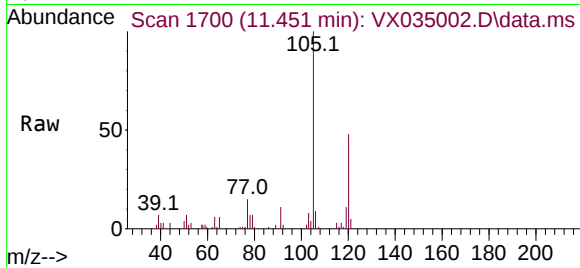




#62
 1,3,5-Trimethylbenzene
 Concen: 1.851 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

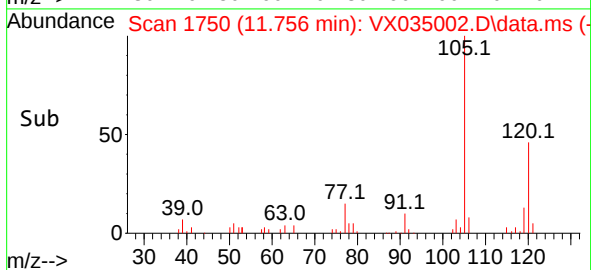
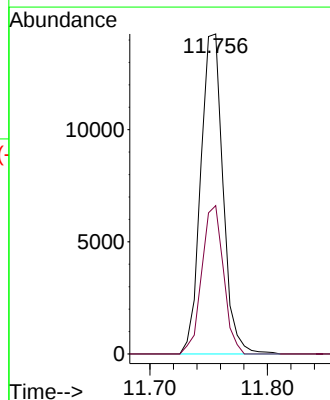
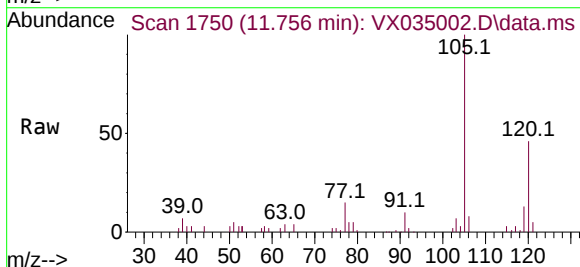
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

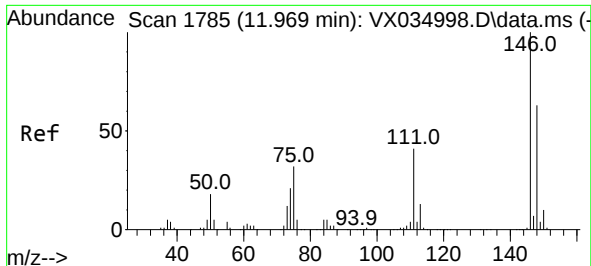
Tgt Ion:105 Resp: 19154
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 1.844 ug/L
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

Tgt Ion:105 Resp: 18839
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.6 53.4

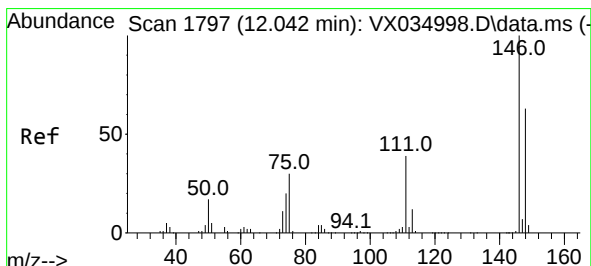
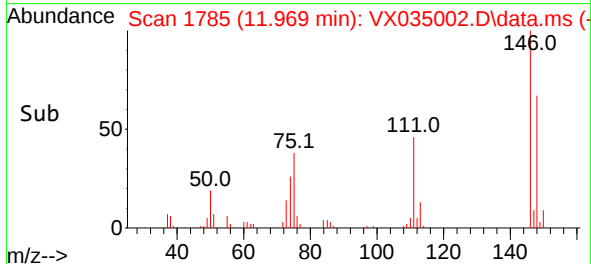
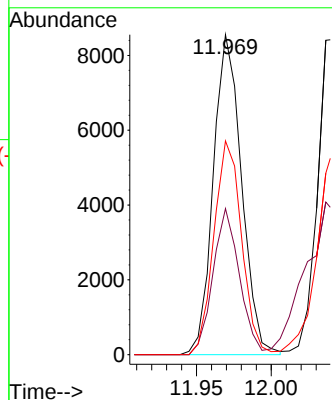
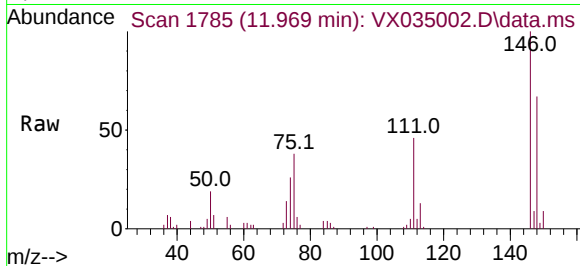




#64
1,3-Dichlorobenzene
Concen: 2.021 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

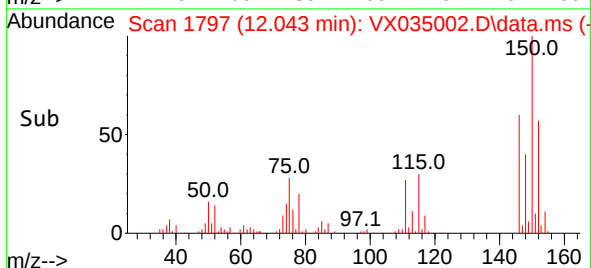
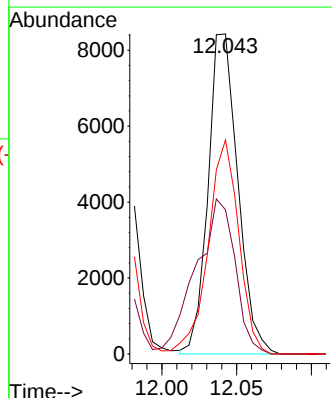
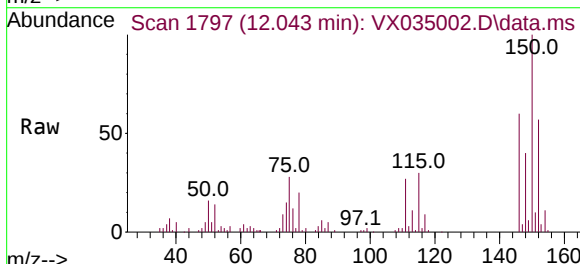
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

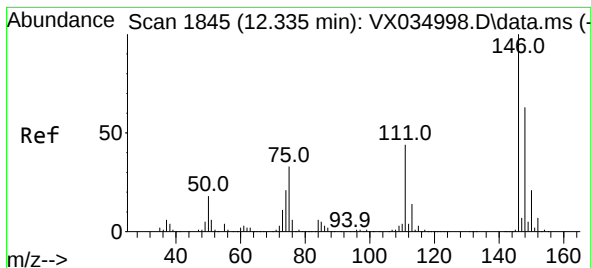
Tgt Ion:146 Resp: 11231
Ion Ratio Lower Upper
146 100
111 45.6 30.3 56.3
148 66.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 2.080 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:146 Resp: 11688
Ion Ratio Lower Upper
146 100
111 45.1 27.5 51.1
148 66.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.169 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

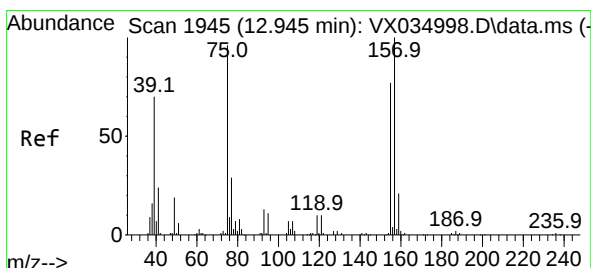
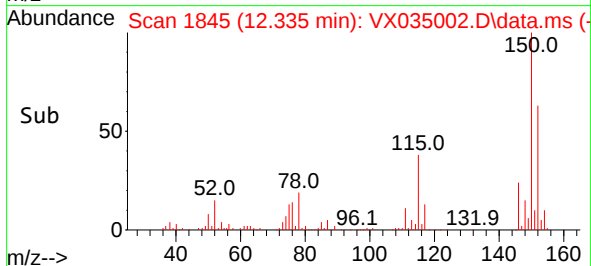
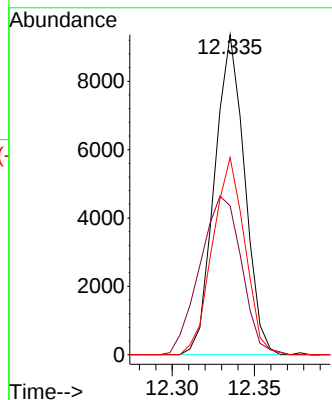
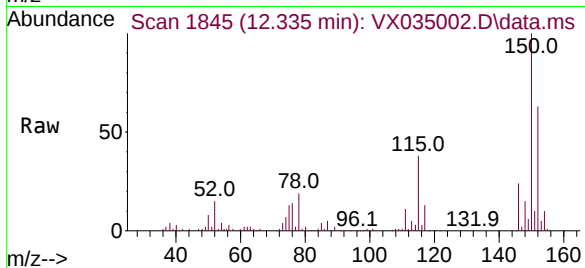
Tgt Ion:146 Resp: 11878

Ion Ratio Lower Upper

146 100

111 46.5 34.4 51.6

148 61.6 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.680 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

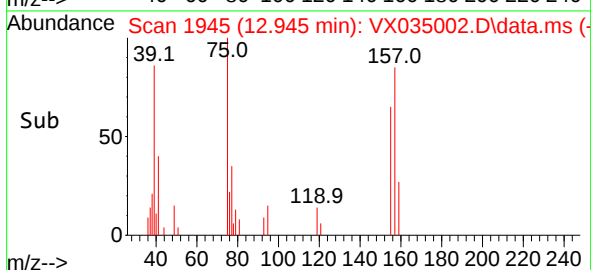
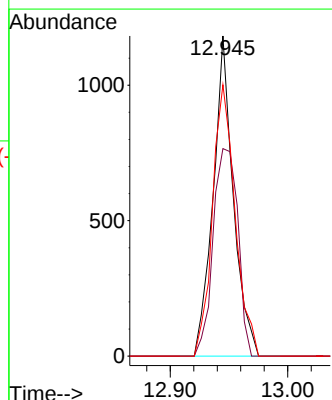
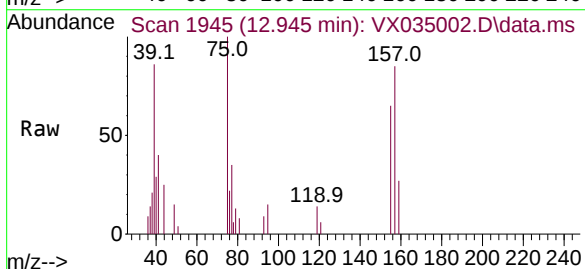
Tgt Ion: 75 Resp: 1409

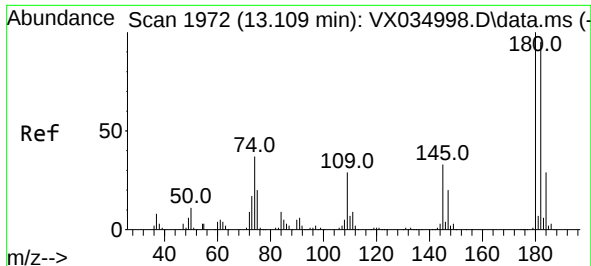
Ion Ratio Lower Upper

75 100

155 64.8 58.0 87.0

157 84.8 75.3 112.9





#69

1,3,5-Trichlorobenzene

Concen: 1.993 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion:180 Resp: 6928

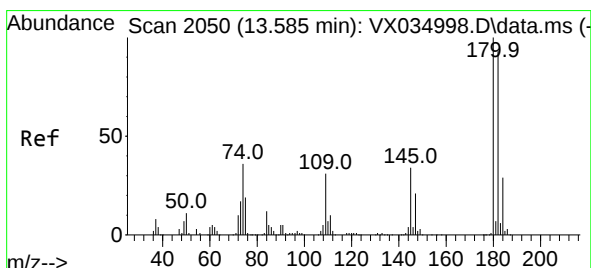
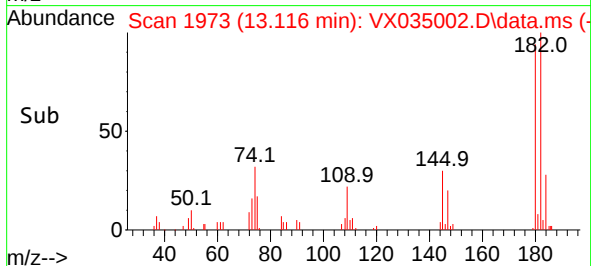
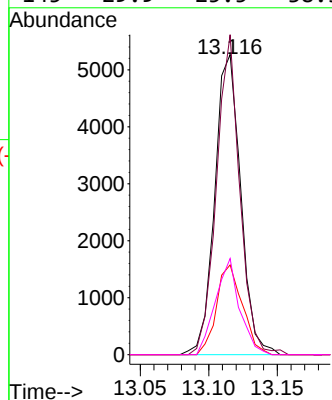
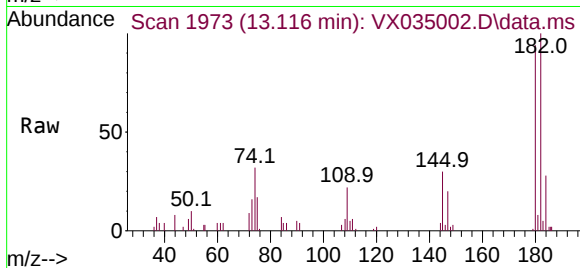
Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

184 30.0 23.8 35.8

145 29.9 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 1.881 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

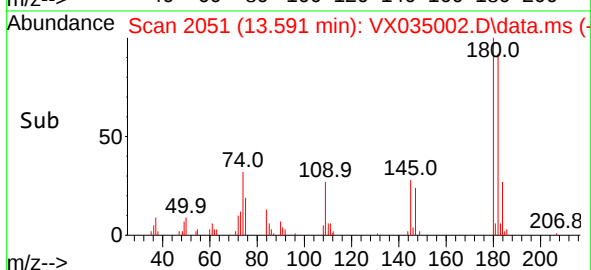
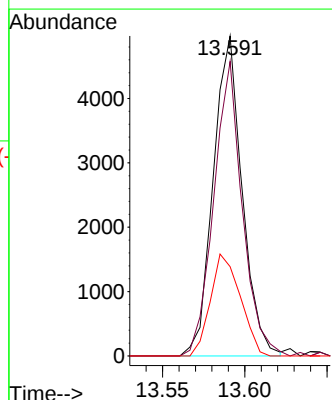
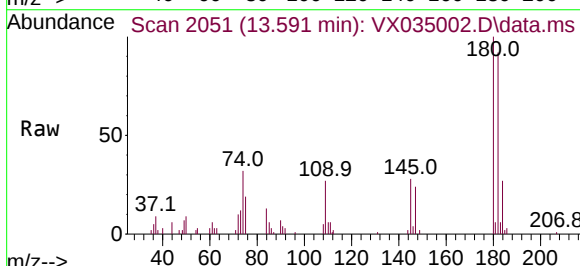
Tgt Ion:180 Resp: 6084

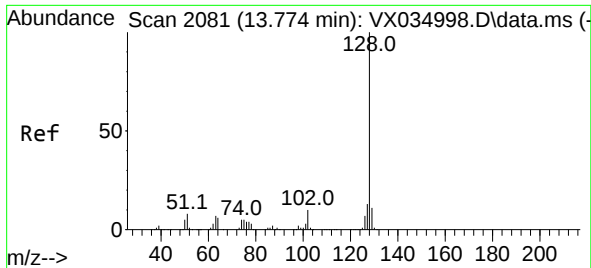
Ion Ratio Lower Upper

180 100

182 90.7 77.0 115.4

145 32.9 26.7 40.1

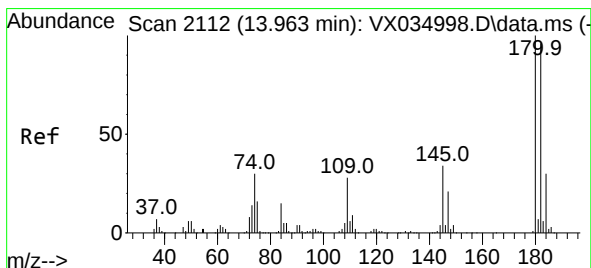
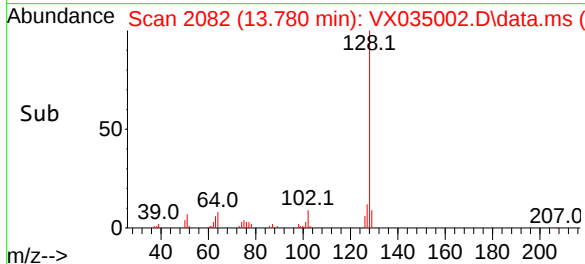
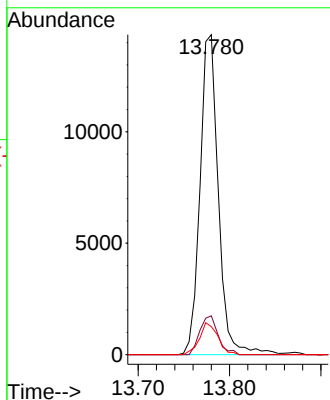
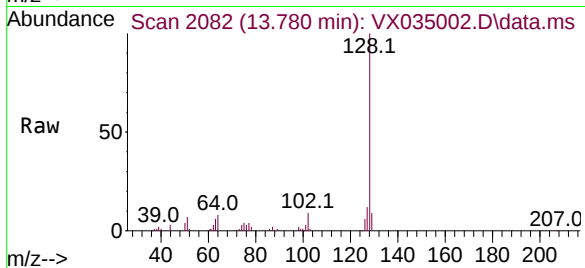




#71
Naphthalene
Concen: 1.808 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:	128	Resp:	19982
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.4
129	10.0	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 1.906 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:	180	Resp:	6190
Ion Ratio	Lower	Upper	
180	100		
182	98.6	76.6	114.8
145	36.7	28.0	42.0

