

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102823\
 Data File : VX038626.D
 Acq On : 28 Oct 2023 01:50
 Operator : JC/MD
 Sample : 04696-05 2.5PPB
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Oct 28 04:53:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 28 02:45:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	449413	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	435632	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	240033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	143904	47.431	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.860%		
7) Chloroethane-d5	1.672	69	114350	48.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.080%		
11) 1,1-Dichloroethene-d2	2.306	65	64258	47.620	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.240%		
21) 2-Butanone-d5	4.446	46	231514	97.974	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.970%		
24) Chloroform-d	5.056	84	288840	46.901	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.800%		
26) 1,2-Dichloroethane-d4	5.958	65	187577	48.035	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.060%		
32) Benzene-d6	5.976	84	588119	49.920	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.840%		
36) 1,2-Dichloropropane-d6	7.312	67	171379	50.035	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.060%		
41) Toluene-d8	8.647	98	573302	48.806	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.620%		
43) trans-1,3-Dichloroprop...	8.952	79	78358	46.822	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.640%		
47) 2-Hexanone-d5	9.384	63	197681	98.690	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.690%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	271378	48.595	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.200%		
66) 1,2-Dichlorobenzene-d4	12.317	152	235266	49.919	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	8582	2.400	ug/L	94
3) Chloromethane	1.300	50	6707	2.437	ug/L	97
5) Vinyl chloride	1.374	62	8159	2.675	ug/L #	67
6) Bromomethane	1.611	94	5675	2.697	ug/L	88
8) Chloroethane	1.691	64	5002	2.731	ug/L	94
9) Trichlorofluoromethane	1.892	101	11767	2.359	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	9266	3.066	ug/L #	80
12) 1,1-Dichloroethene	2.319	96	8398	2.999	ug/L #	1
13) Acetone	2.373	43	7805	4.973	ug/L	98
14) Carbon disulfide	2.514	76	19807	2.578	ug/L	100
15) Methyl Acetate	2.703	43	7562	2.370	ug/L	99
16) Methylene chloride	2.788	84	8582	2.798	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	7383	2.549	ug/L	85
18) Methyl tert-butyl Ether	3.117	73	20120	2.275	ug/L	100
19) 1,1-Dichloroethane	3.605	63	11453	2.354	ug/L	98
20) cis-1,2-Dichloroethene	4.495	96	8134	2.426	ug/L	93
22) 2-Butanone	4.574	43	11967m	5.087	ug/L	
23) Bromochloromethane	4.910	128	4095m	2.283	ug/L	
25) Chloroform	5.092	83	18507	3.284	ug/L	99

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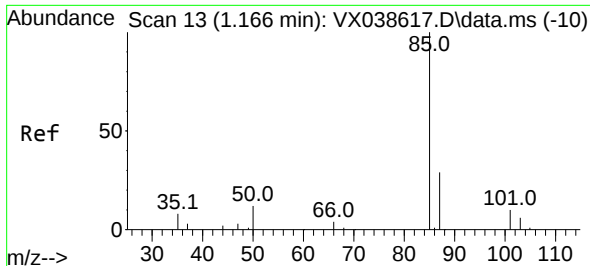
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Oct 28 04:53:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 28 02:45:59 2023
 Response via : Initial Calibration

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

27) 1,2-Dichloroethane	6.086	62	10729	2.477	ug/L #	93
29) Cyclohexane	5.470	56	9841	2.333	ug/L	99
30) 1,1,1-Trichloroethane	5.391	97	11038	2.267	ug/L	99
31) Carbon tetrachloride	5.678	117	9424	2.166	ug/L	98
33) Benzene	6.044	78	28227	2.456	ug/L	100
35) Methylcyclohexane	7.379	83	11467	2.363	ug/L	99
37) 1,2-Dichloropropane	7.434	63	6799	2.374	ug/L	98
38) Bromodichloromethane	7.824	83	8821	2.199	ug/L	96
39) cis-1,3-Dichloropropene	8.372	75	9937	2.236	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	18973	4.406	ug/L	99
42) Toluene	8.720	91	30559	2.361	ug/L	92
44) trans-1,3-Dichloropropene	8.976	75	9759	2.301	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	7651	2.364	ug/L	97
46) Tetrachloroethene	9.275	164	6676	2.398	ug/L	95
48) 2-Hexanone	9.433	43	16639	4.830	ug/L	96
49) Dibromochloromethane	9.519	129	7380	2.162	ug/L	99
50) 1,2-Dibromoethane	9.610	107	8315	2.276	ug/L #	100
51) Chlorobenzene	10.079	112	21511	2.429	ug/L	94
52) Ethylbenzene	10.195	91	34364	2.359	ug/L	96
53) m,p-Xylene	10.305	106	13619	2.363	ug/L	99
54) o-Xylene	10.640	106	12473	2.230	ug/L	95
55) Styrene	10.659	104	20346	2.140	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	13324	2.483	ug/L	96
59) Bromoform	10.799	173	5240	1.992	ug/L	99
60) Isopropylbenzene	10.963	105	33374	2.299	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	9919	2.472	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	26112	2.154	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	25519	2.137	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	17956	2.492	ug/L	97
65) 1,4-Dichlorobenzene	12.042	146	19038	2.565	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	17773	2.513	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	2667	2.193	ug/L	92
69) 1,3,5-Trichlorobenzene	13.115	180	13058	2.523	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	12380	2.544	ug/L	99
71) Naphthalene	13.774	128	33031	2.265	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	11575	2.440	ug/L	97

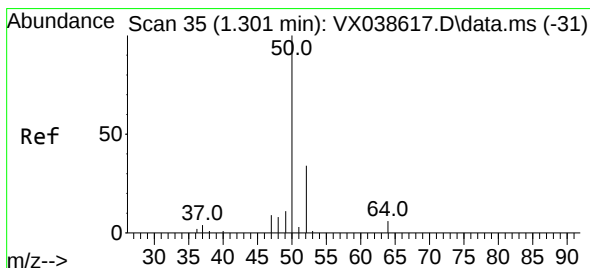
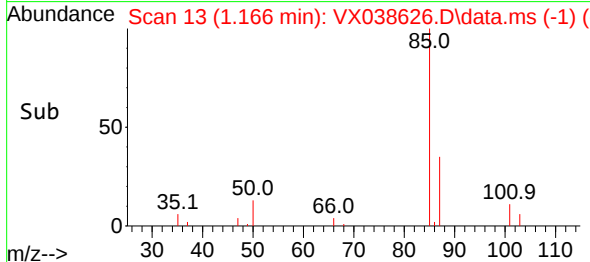
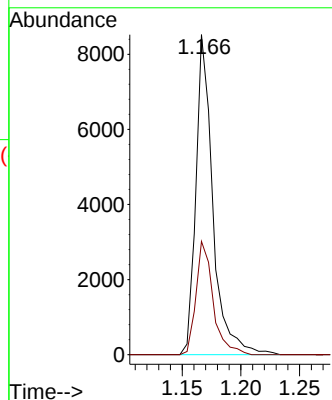
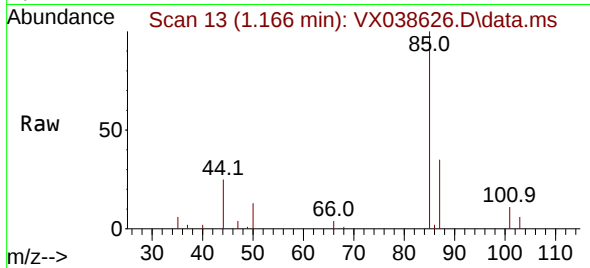
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#2
Dichlorodifluoromethane
Concen: 2.400 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

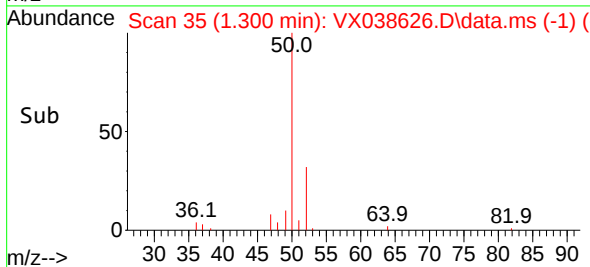
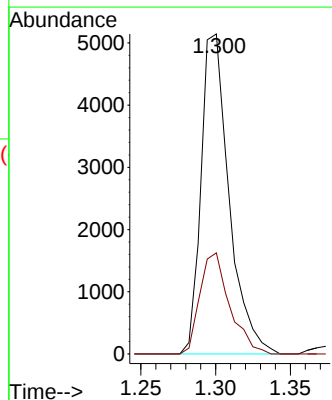
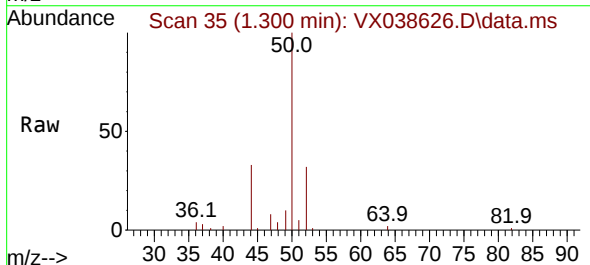
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

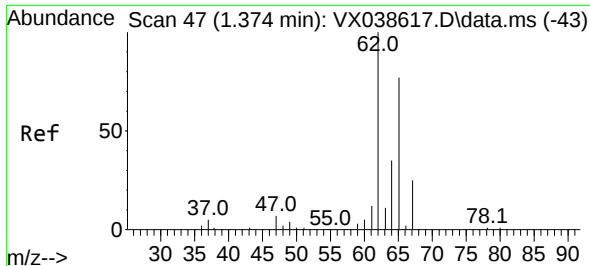
Tgt Ion: 85 Resp: 8582
Ion Ratio Lower Upper
85 100
87 35.8 26.1 39.1



#3
Chloromethane
Concen: 2.437 ug/L
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 50 Resp: 6707
Ion Ratio Lower Upper
50 100
52 31.6 23.3 43.3

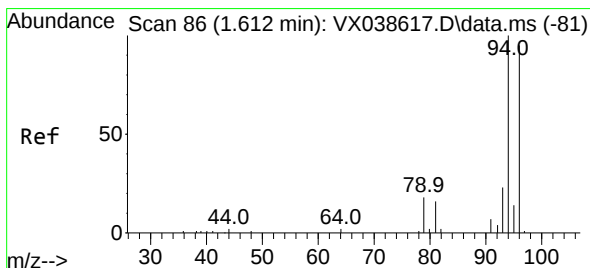
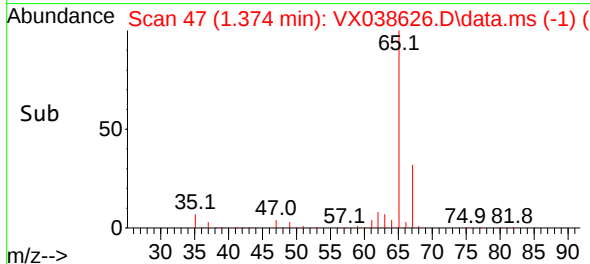
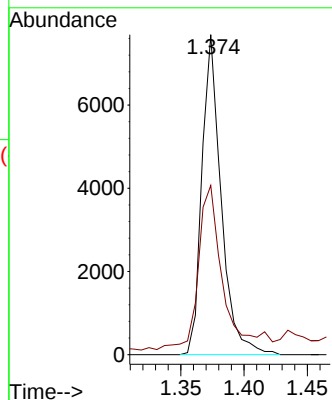
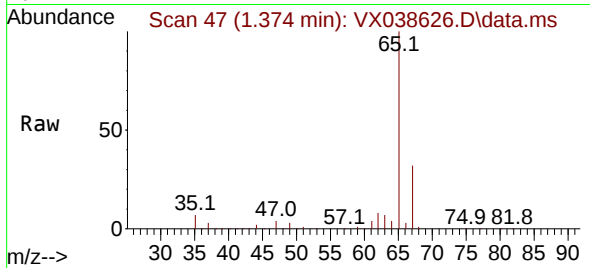




#5
 Vinyl chloride
 Concen: 2.675 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038626.D
 Acq: 28 Oct 2023 01:50

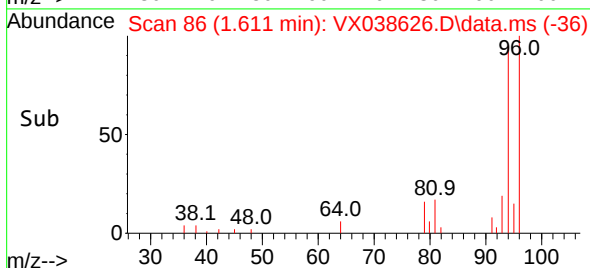
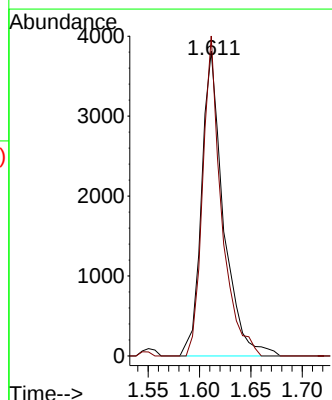
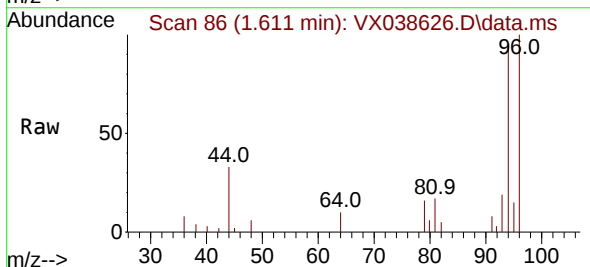
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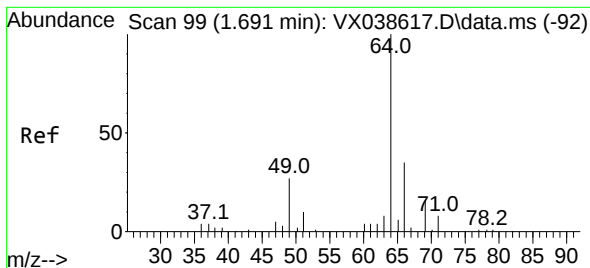
Tgt Ion: 62 Resp: 8159
 Ion Ratio Lower Upper
 62 100
 64 52.9 23.7 43.9#



#6
 Bromomethane
 Concen: 2.697 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX038626.D
 Acq: 28 Oct 2023 01:50

Tgt Ion: 94 Resp: 5675
 Ion Ratio Lower Upper
 94 100
 96 105.0 65.4 121.4





#8

Chloroethane

Concen: 2.731 ug/L

RT: 1.691 min Scan# 99

Delta R.T. 0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

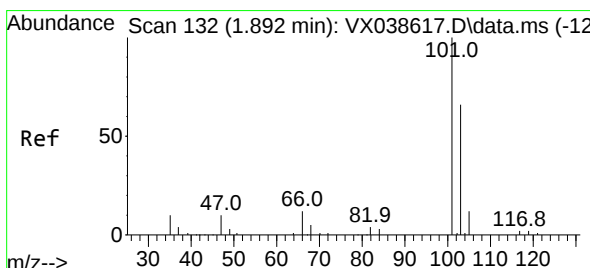
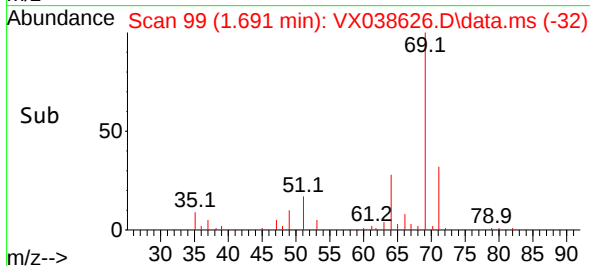
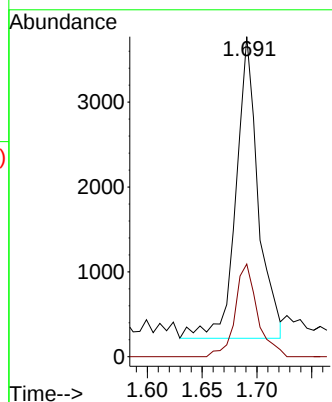
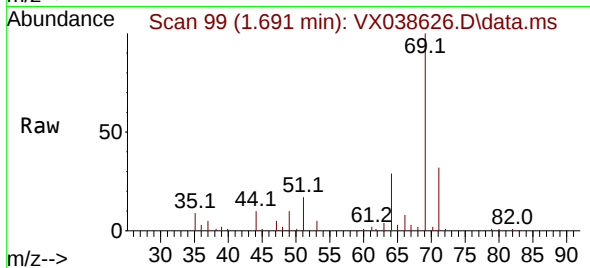
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 64 Resp: 5002

Ion Ratio Lower Upper

64 100

66 29.0 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.359 ug/L

RT: 1.892 min Scan# 132

Delta R.T. 0.006 min

Lab File: VX038626.D

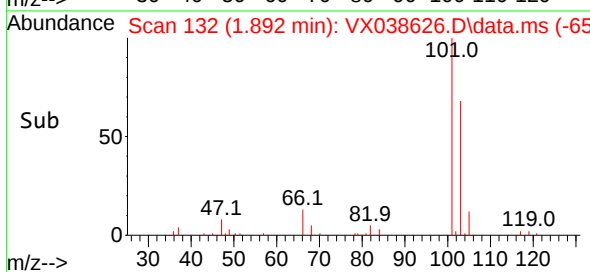
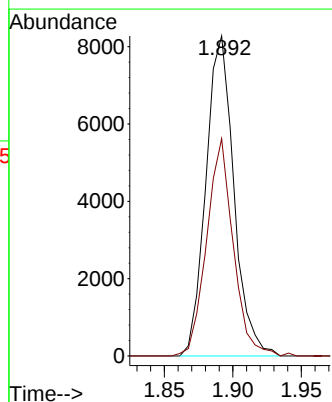
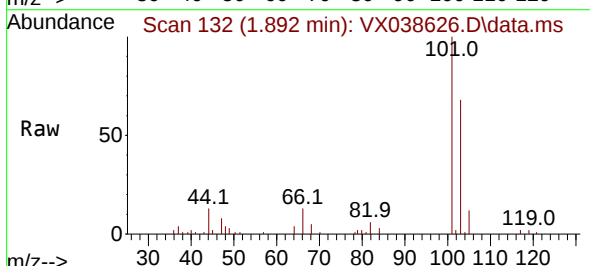
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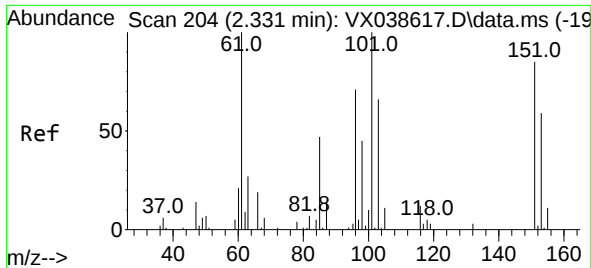
Tgt Ion: 101 Resp: 11767

Ion Ratio Lower Upper

101 100

103 64.3 51.8 77.6

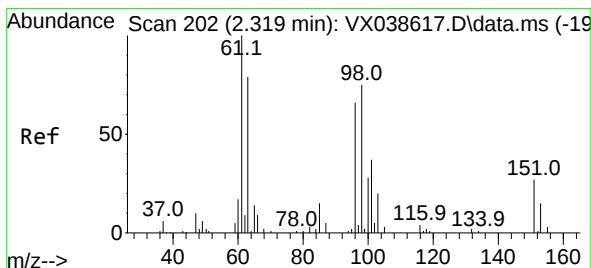
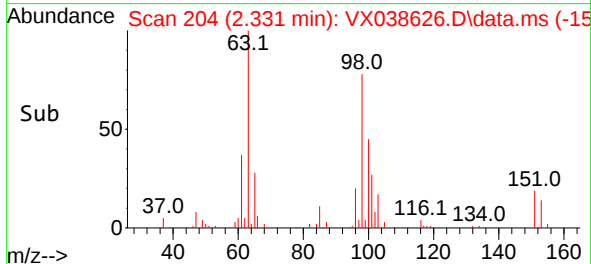
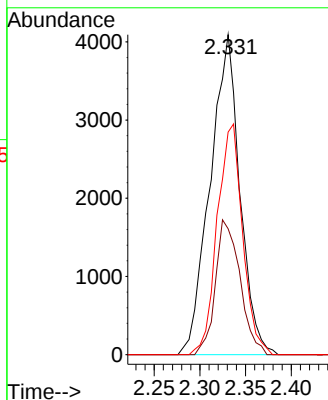
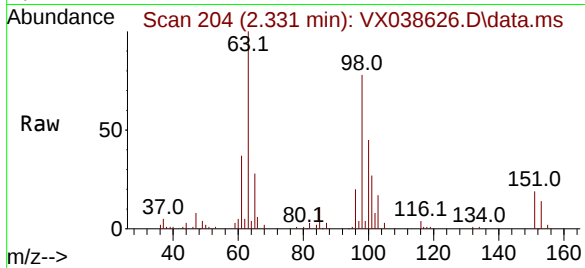




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.066 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX038626.D
 Acq: 28 Oct 2023 01:50

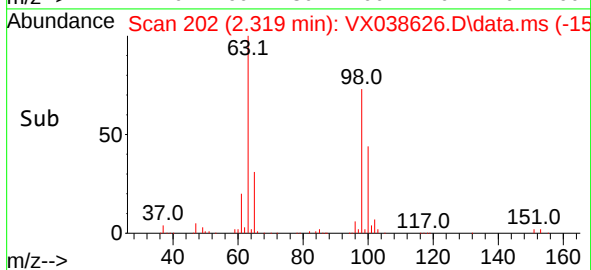
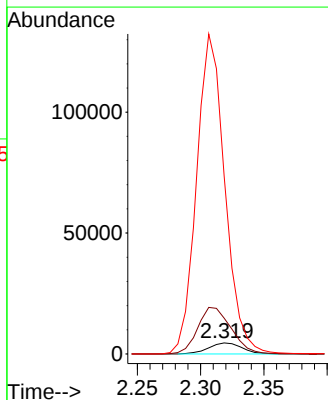
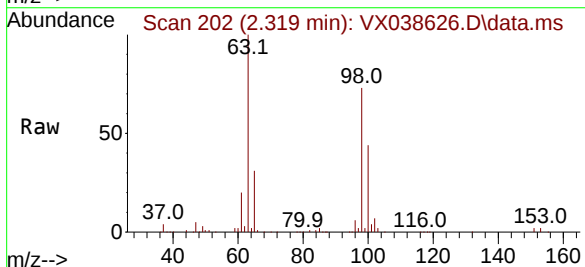
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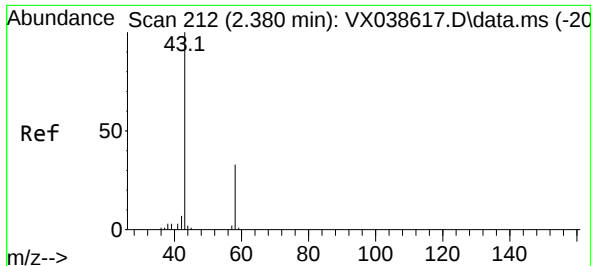
Tgt Ion:101 Resp: 9266
 Ion Ratio Lower Upper
 101 100
 85 34.8 34.3 51.5
 151 61.6 65.8 98.8#



#12
 1,1-Dichloroethene
 Concen: 2.999 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX038626.D
 Acq: 28 Oct 2023 01:50

Tgt Ion: 96 Resp: 8398
 Ion Ratio Lower Upper
 96 100
 61 323.7 109.6 203.6#
 63 1607.2 84.9 157.7#





#13

Acetone

Concen: 4.973 ug/L

RT: 2.373 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

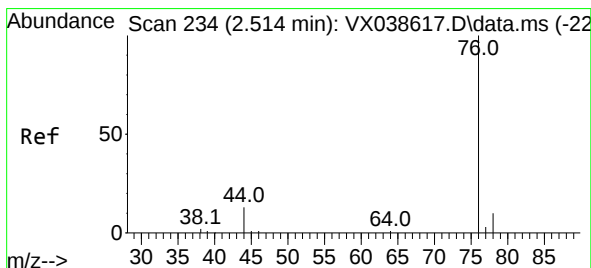
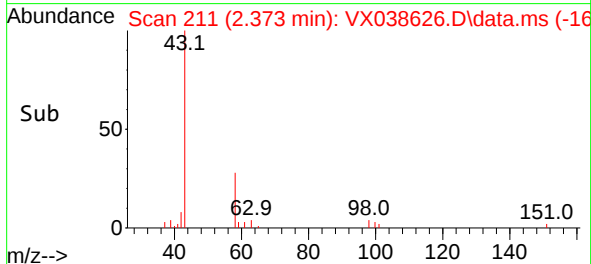
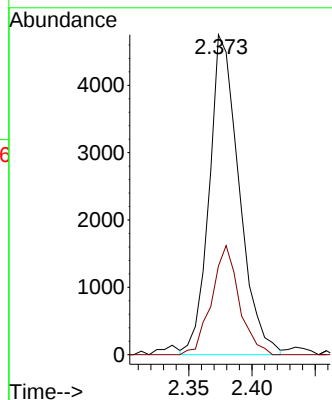
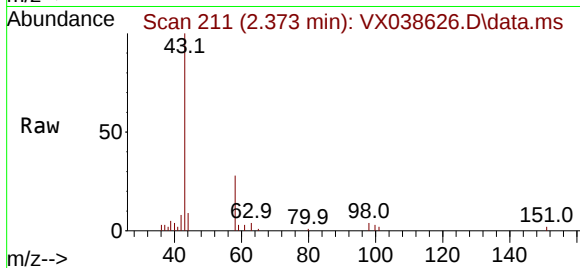
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 7805

Ion Ratio Lower Upper

43 100

58 31.3 0.0 65.2



#14

Carbon disulfide

Concen: 2.578 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX038626.D

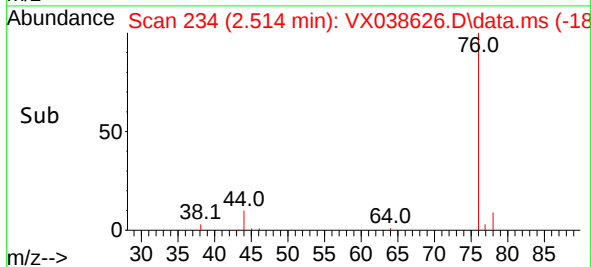
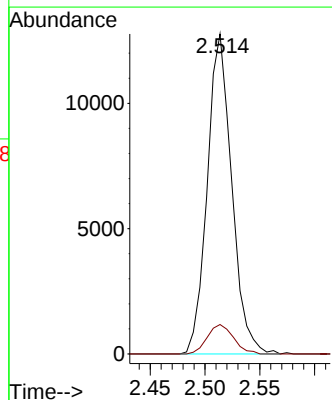
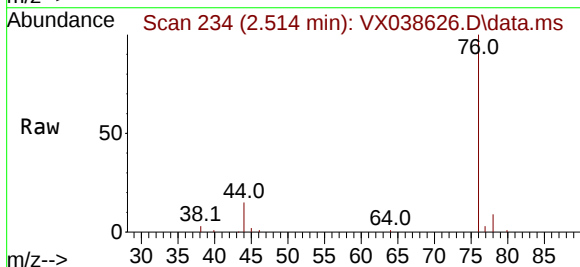
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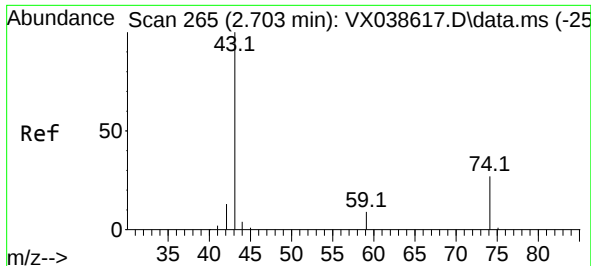
Tgt Ion: 76 Resp: 19807

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

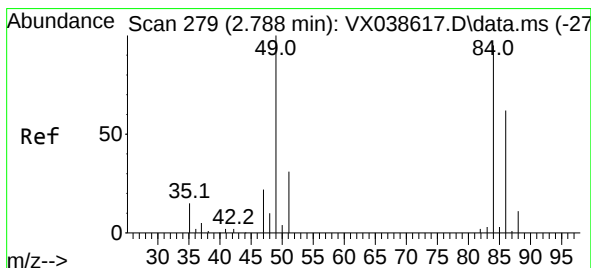
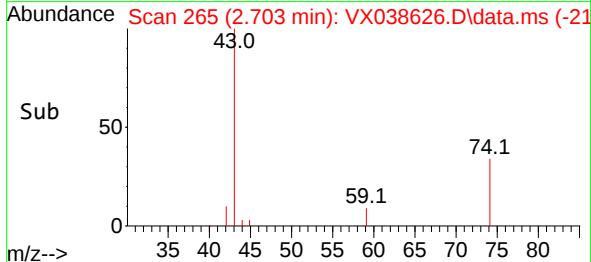
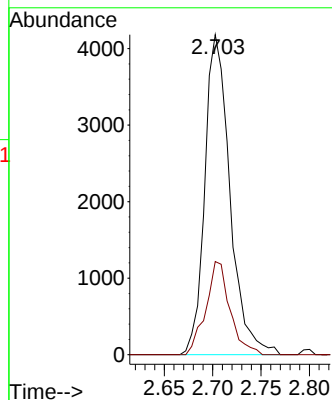
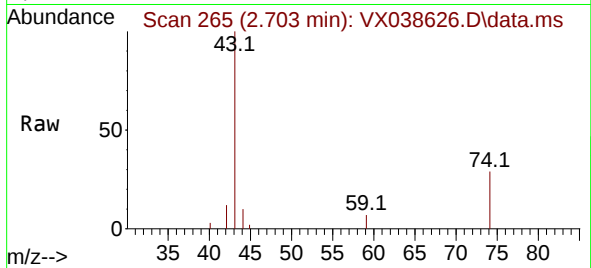




#15
Methyl Acetate
Concen: 2.370 ug/L
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

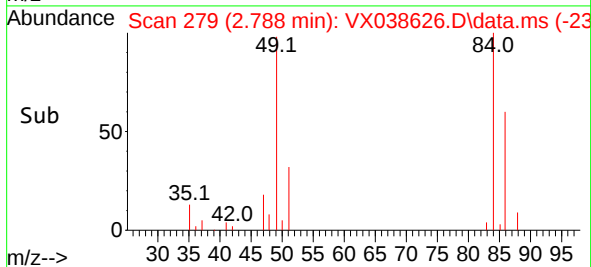
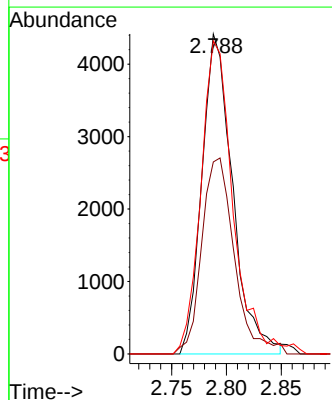
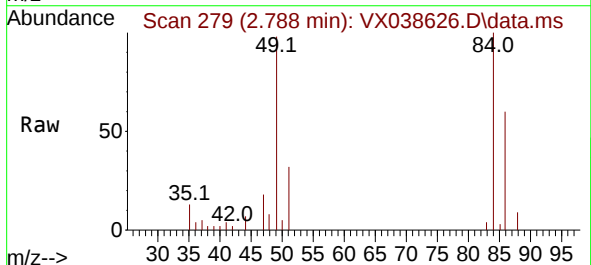
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

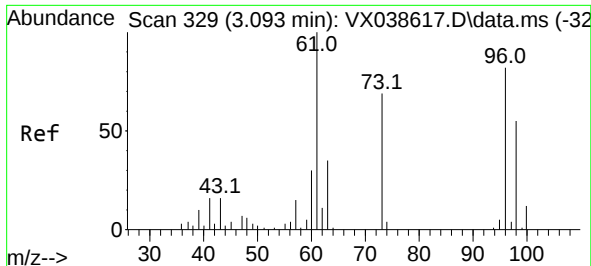
Tgt Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
74 27.9 21.7 32.5



#16
Methylene chloride
Concen: 2.798 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 84 Resp: 8582
Ion Ratio Lower Upper
84 100
86 60.0 45.6 84.8
49 97.8 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.549 ug/L

RT: 3.093 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

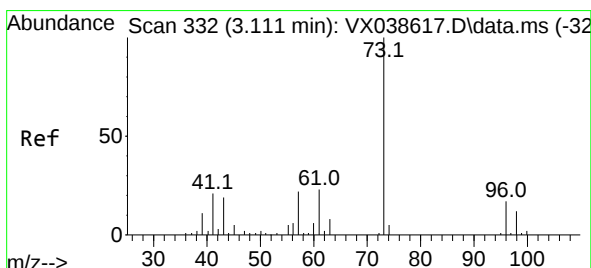
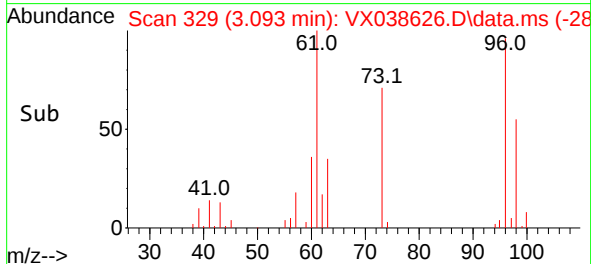
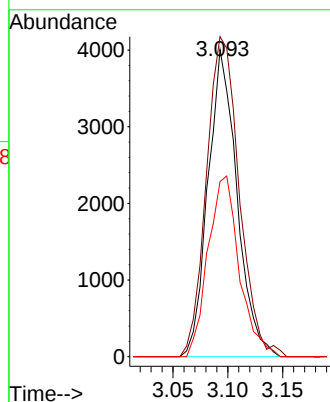
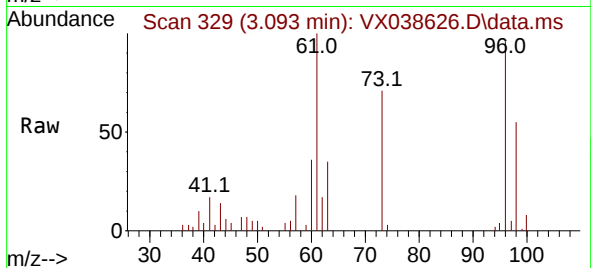
Tgt Ion: 96 Resp: 7383

Ion Ratio Lower Upper

96 100

61 104.2 87.1 161.7

98 57.0 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 2.275 ug/L

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

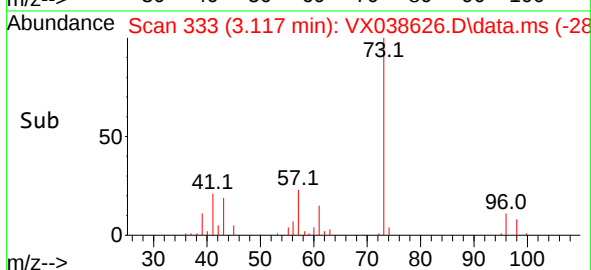
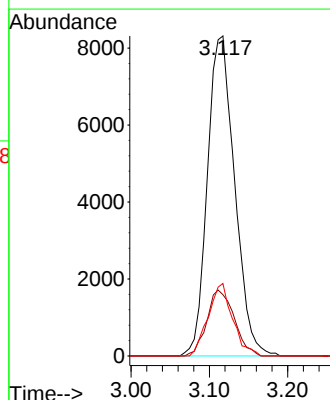
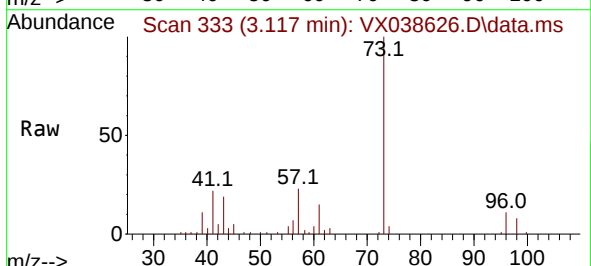
Tgt Ion: 73 Resp: 20120

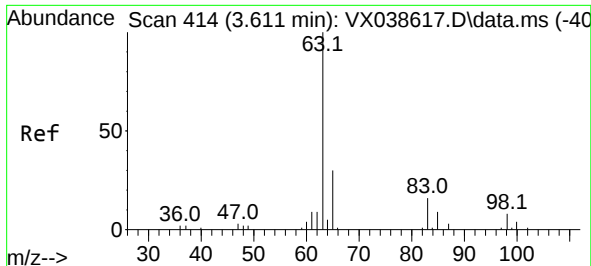
Ion Ratio Lower Upper

73 100

43 20.7 16.2 24.4

57 20.4 16.2 24.4





#19

1,1-Dichloroethane

Concen: 2.354 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

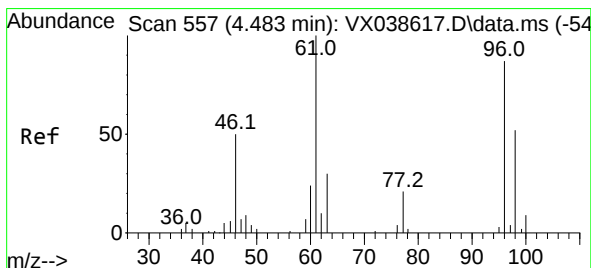
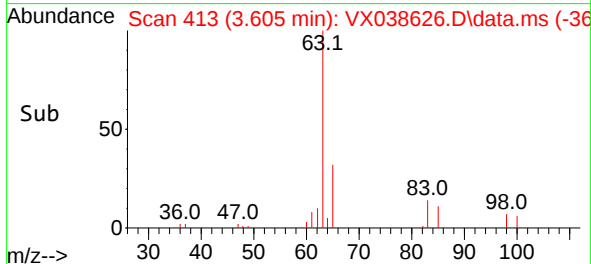
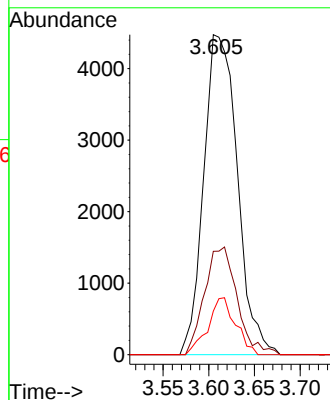
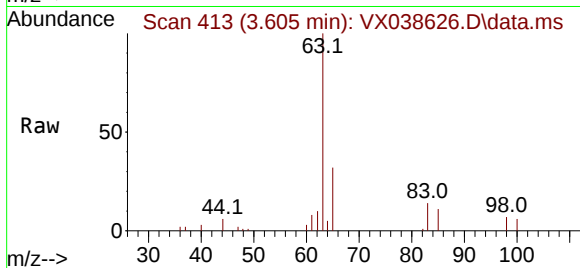
Tgt Ion: 63 Resp: 11453

Ion Ratio Lower Upper

63 100

65 32.3 22.8 42.4

83 13.6 10.9 20.3



#20

cis-1,2-Dichloroethene

Concen: 2.426 ug/L

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

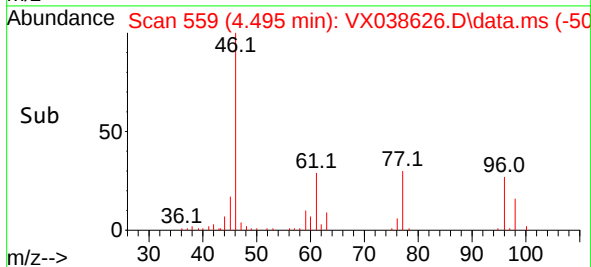
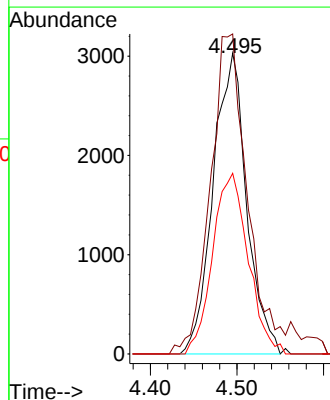
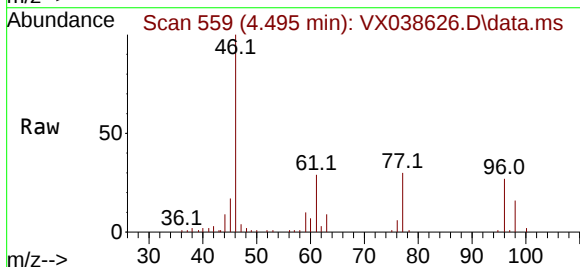
Tgt Ion: 96 Resp: 8134

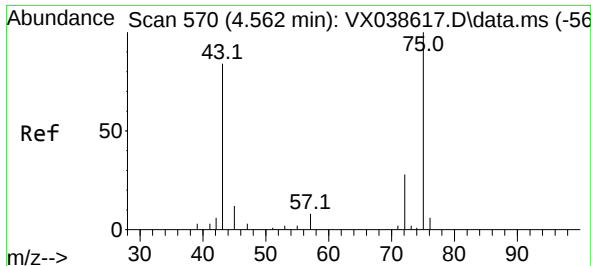
Ion Ratio Lower Upper

96 100

61 106.4 79.4 147.4

98 60.1 46.5 86.5

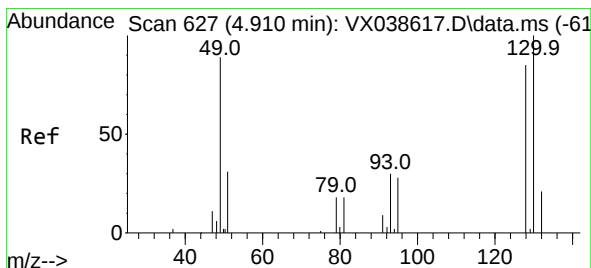
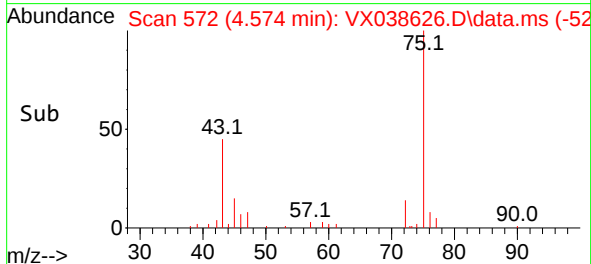
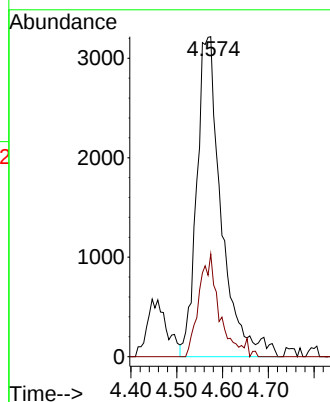
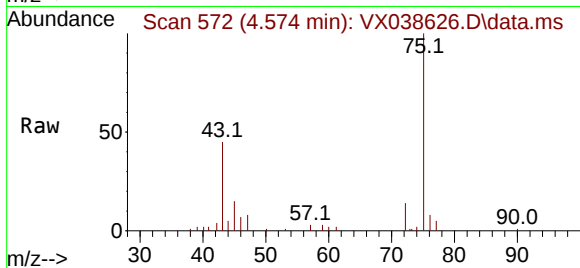




#22
2-Butanone
Concen: 5.087 ug/L m
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

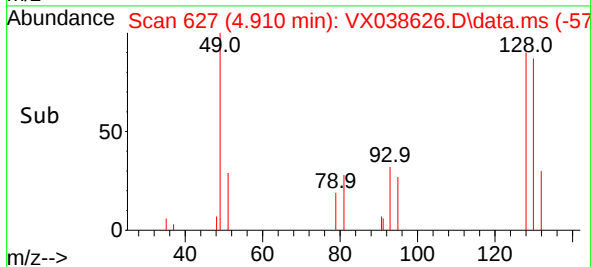
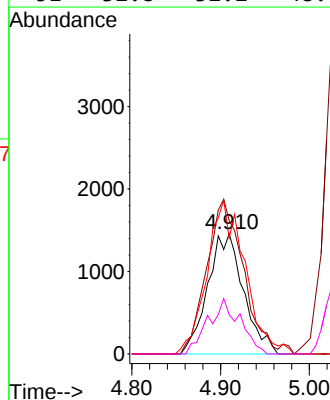
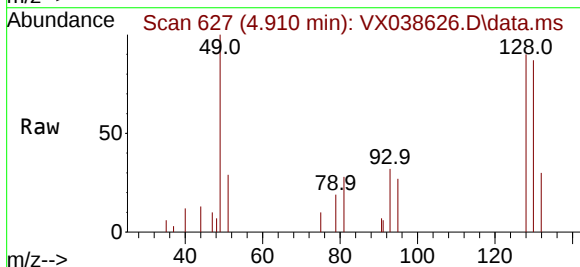
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

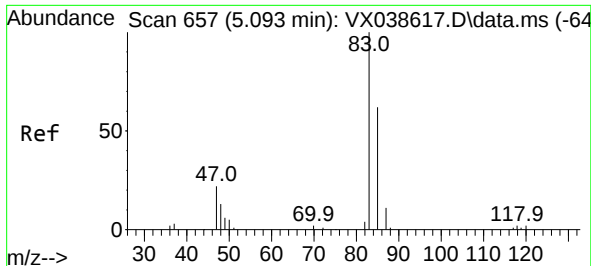
Tgt Ion: 43 Resp: 11967
Ion Ratio Lower Upper
43 100
72 13.0 14.9 44.5#



#23
Bromochloromethane
Concen: 2.283 ug/L m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 128 Resp: 4095
Ion Ratio Lower Upper
128 100
49 111.3 90.9 168.9
130 96.6 92.5 171.7
51 32.8 32.2 48.4





#25

Chloroform

Concen: 3.284 ug/L

RT: 5.092 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

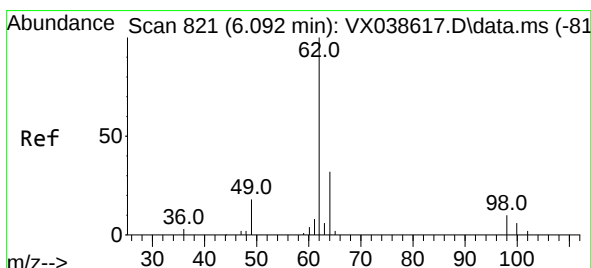
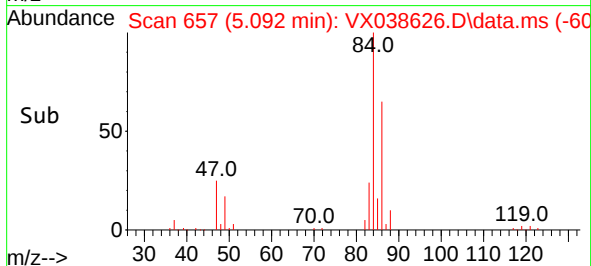
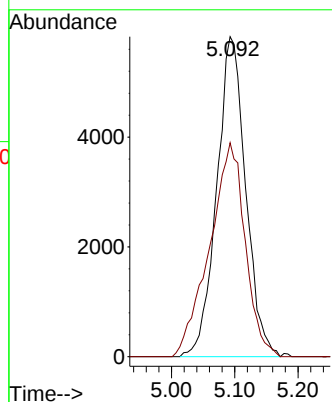
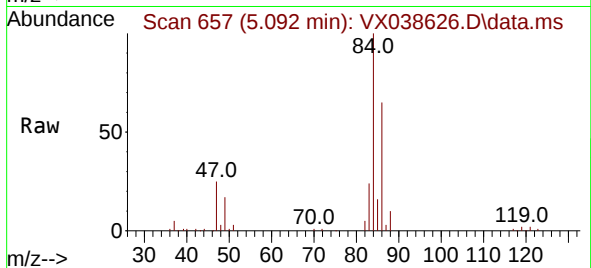
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 83 Resp: 18507

Ion Ratio Lower Upper

83 100

85 66.8 46.3 86.1



#27

1,2-Dichloroethane

Concen: 2.477 ug/L

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX038626.D

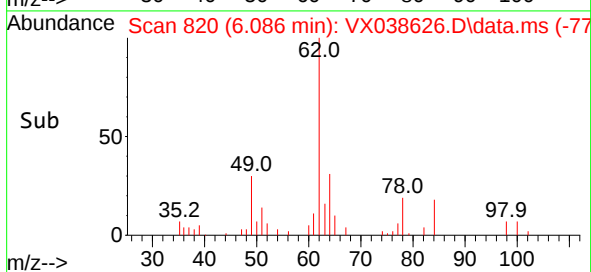
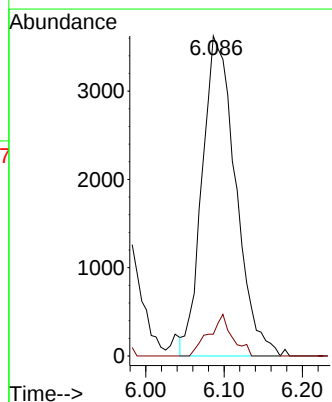
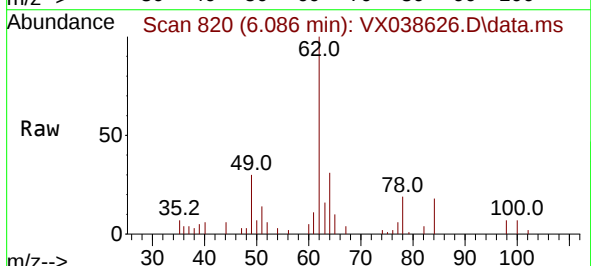
Acq: 28 Oct 2023 01:50

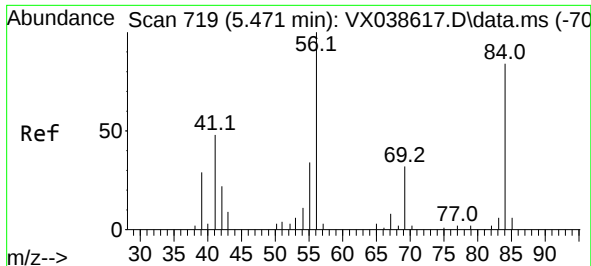
Tgt Ion: 62 Resp: 10729

Ion Ratio Lower Upper

62 100

98 6.8 7.5 11.3#





#29

Cyclohexane

Concen: 2.333 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX038626.D

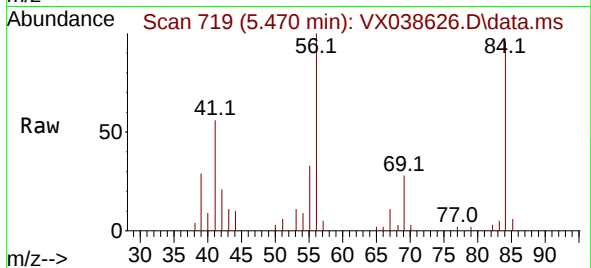
Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07



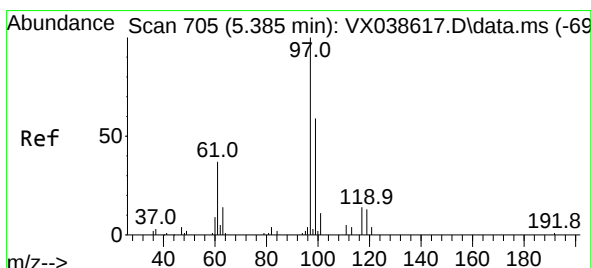
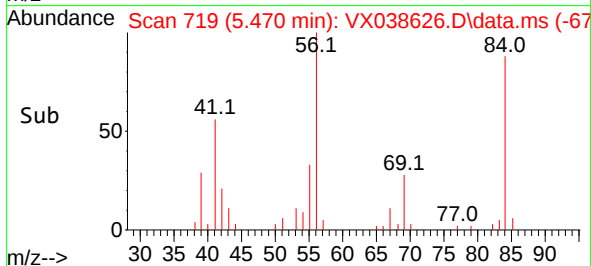
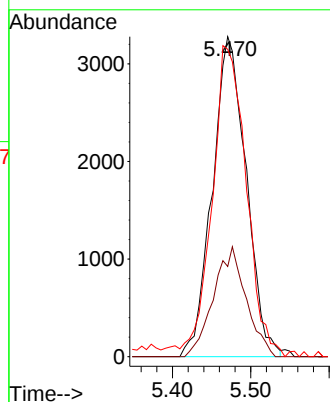
Tgt Ion: 56 Resp: 9841

Ion Ratio Lower Upper

56 100

69 33.1 26.9 40.3

84 97.6 77.6 116.4



#30

1,1,1-Trichloroethane

Concen: 2.267 ug/L

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

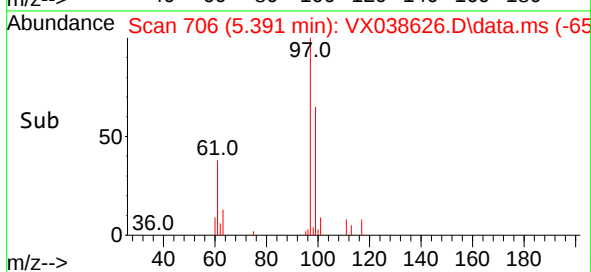
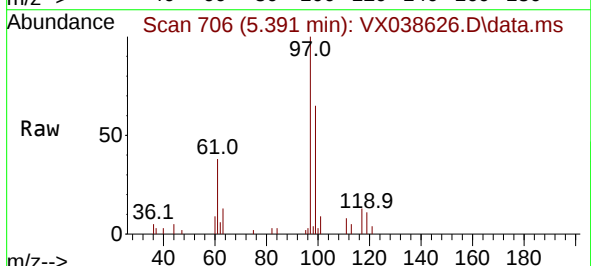
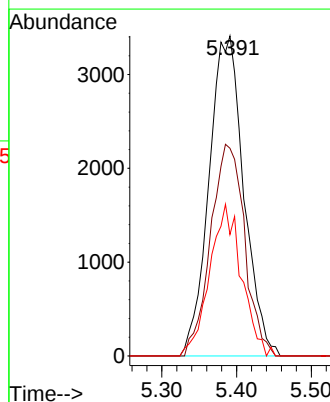
Tgt Ion: 97 Resp: 11038

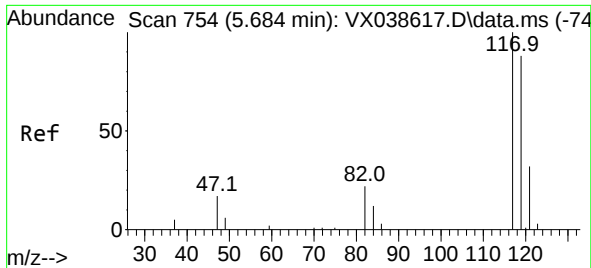
Ion Ratio Lower Upper

97 100

99 64.8 52.1 78.1

61 43.2 33.2 49.8

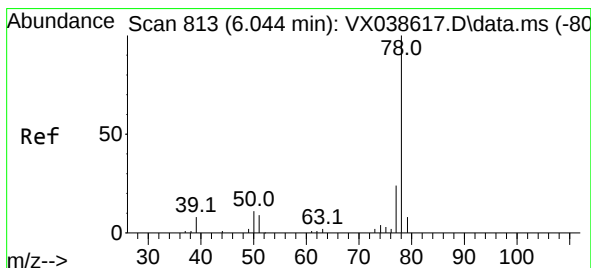
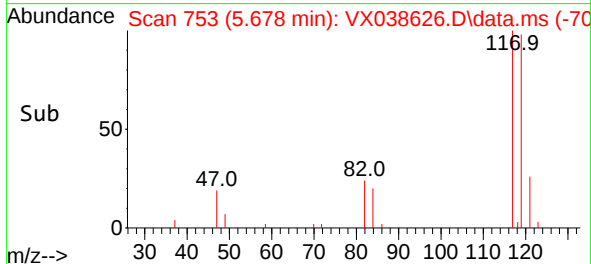
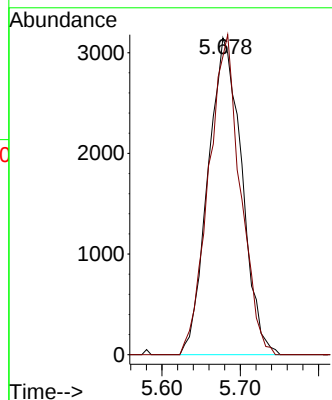
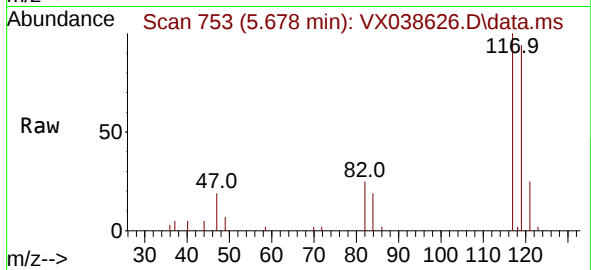




#31
Carbon tetrachloride
Concen: 2.166 ug/L
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

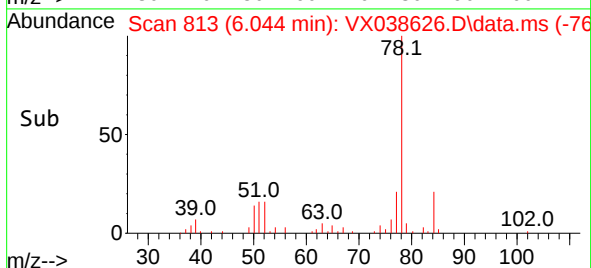
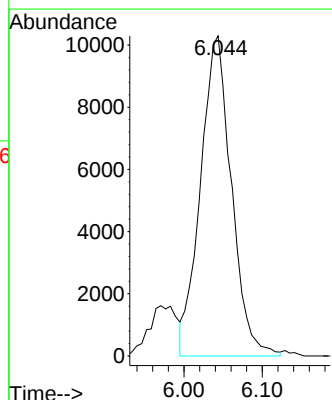
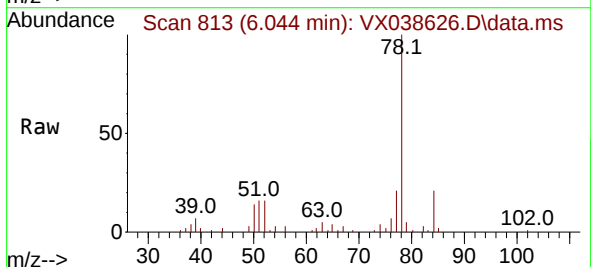
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

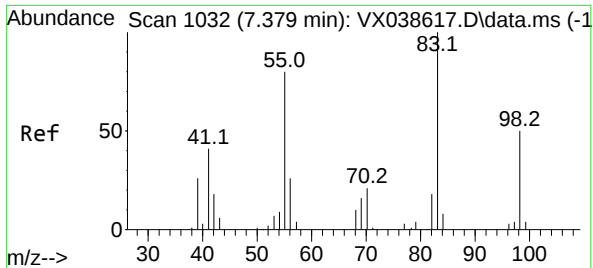
Tgt Ion:117 Resp: 9424
Ion Ratio Lower Upper
117 100
119 94.8 77.3 115.9



#33
Benzene
Concen: 2.456 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 78 Resp: 28227

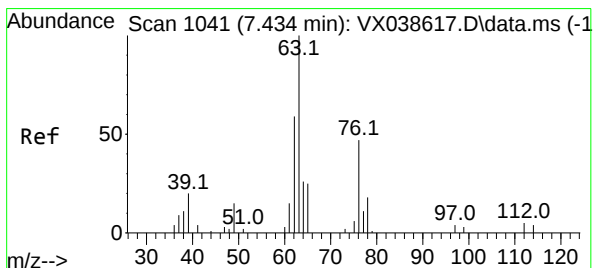
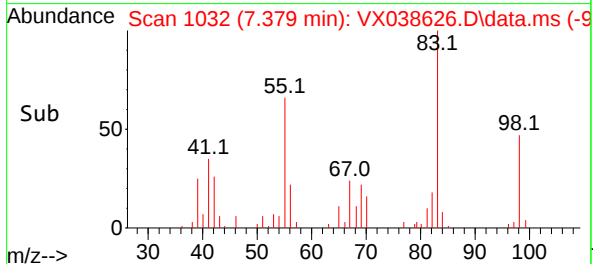
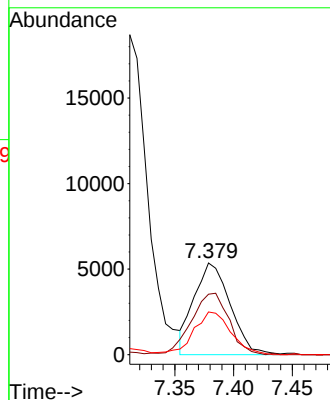
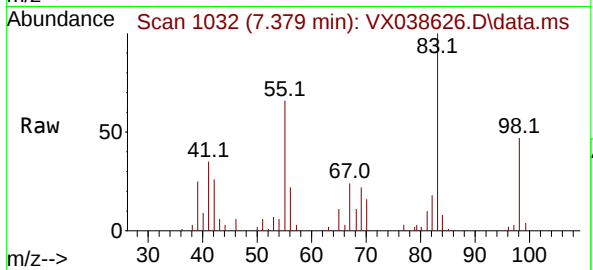




#35
Methylcyclohexane
Concen: 2.363 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

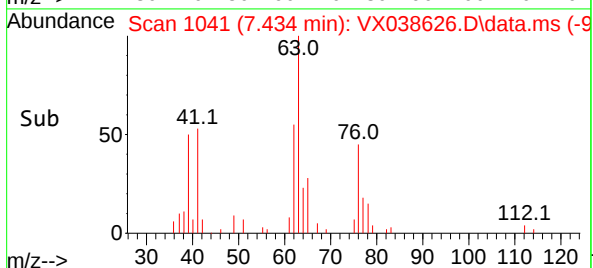
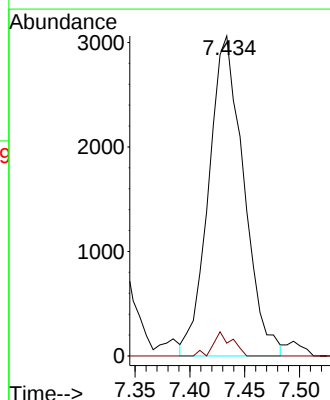
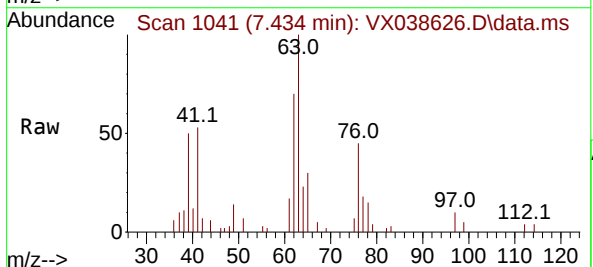
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

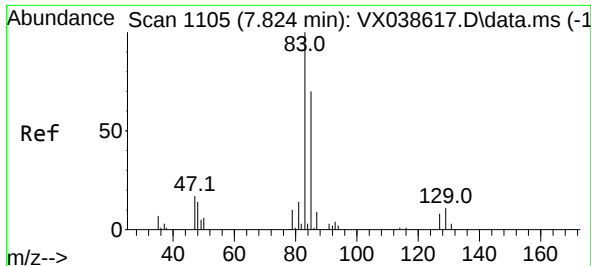
Tgt Ion: 83	Resp: 11467
Ion Ratio	Lower Upper
83 100	
55 69.1	54.3 81.5
98 48.3	39.1 58.7



#37
1,2-Dichloropropane
Concen: 2.374 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 63	Resp: 6799		
Ion Ratio	Lower	Upper	
63 100			
112 3.8	3.6	5.4	

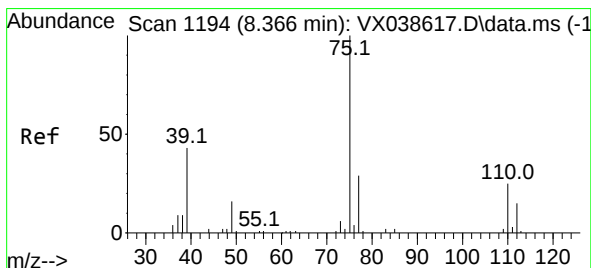
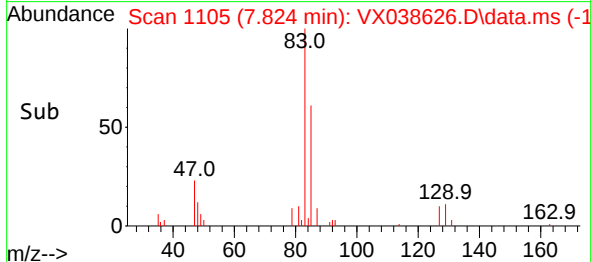
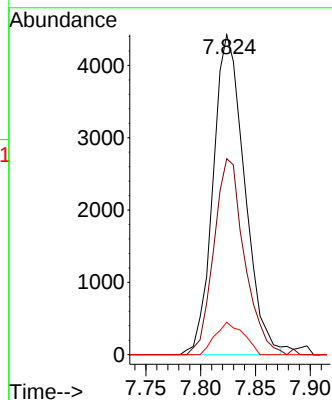
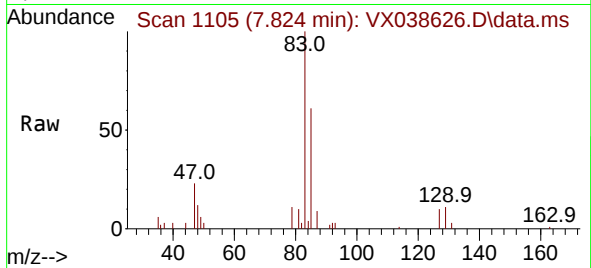




#38
Bromodichloromethane
Concen: 2.199 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

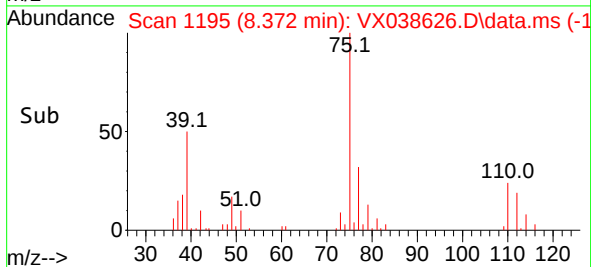
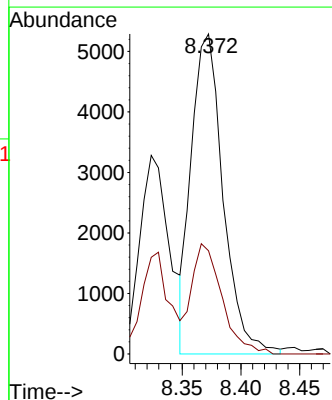
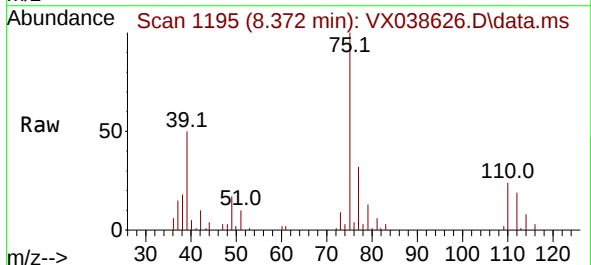
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

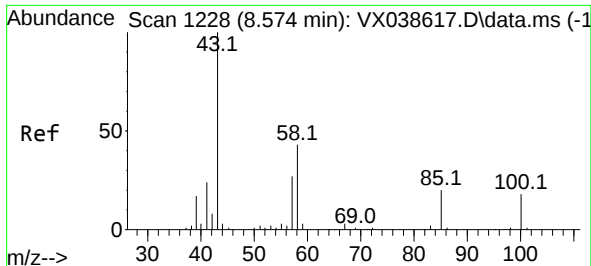
Tgt Ion: 83	Resp: 8821
Ion Ratio	Lower Upper
83 100	
85 61.2	45.4 84.2
127 10.1	7.4 11.0



#39
cis-1,3-Dichloropropene
Concen: 2.236 ug/L
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 75	Resp: 9937
Ion Ratio	Lower Upper
75 100	
77 32.3	21.9 40.7





#40

4-Methyl-2-pentanone

Concen: 4.406 ug/L

RT: 8.574 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

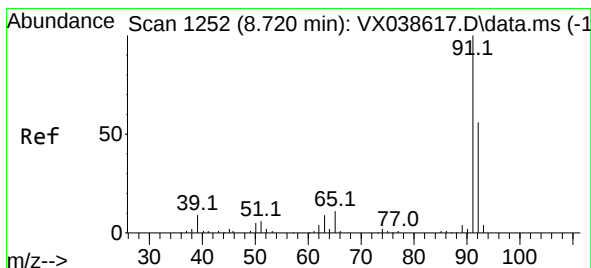
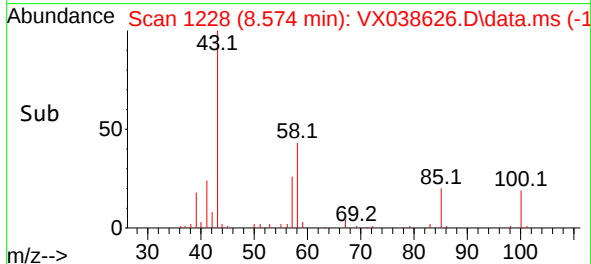
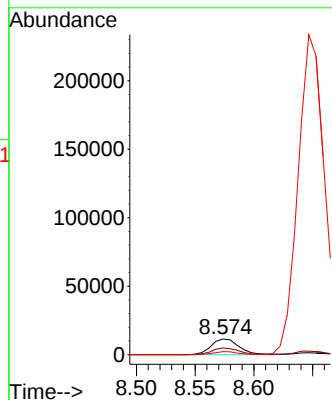
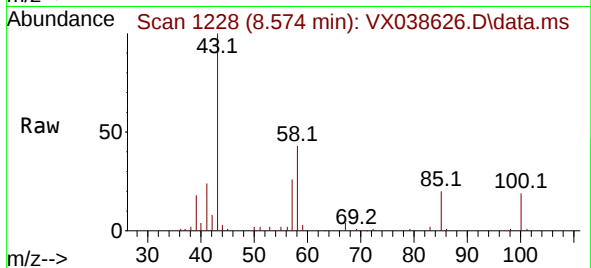
Tgt Ion: 43 Resp: 18973

Ion Ratio Lower Upper

43 100

58 42.5 33.9 50.9

100 17.7 15.0 22.6



#42

Toluene

Concen: 2.361 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX038626.D

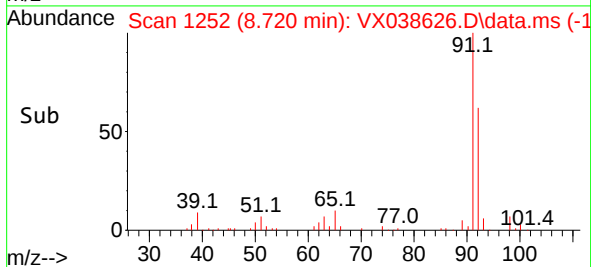
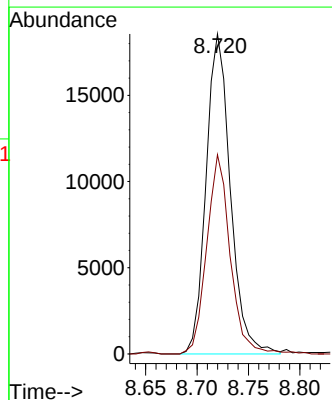
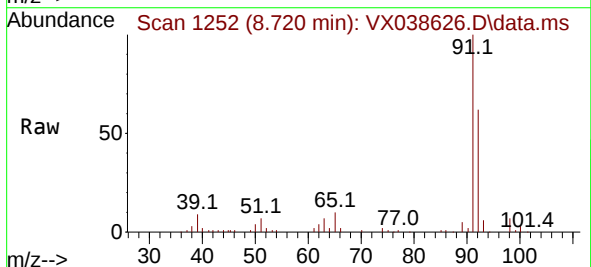
Acq: 28 Oct 2023 01:50

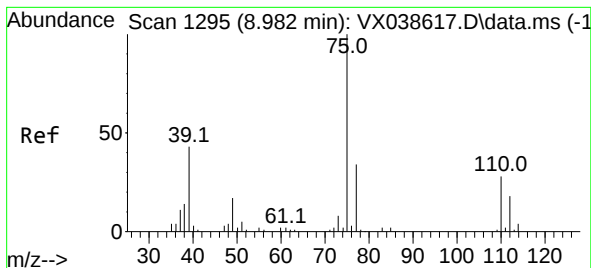
Tgt Ion: 91 Resp: 30559

Ion Ratio Lower Upper

91 100

92 62.2 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 2.301 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

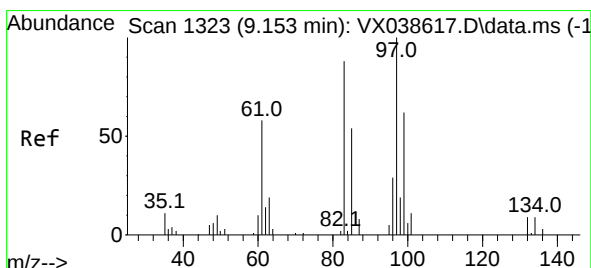
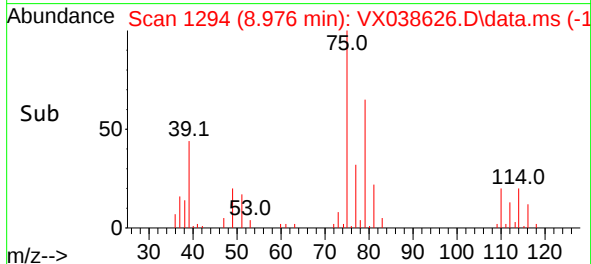
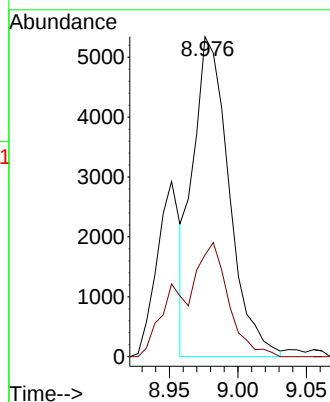
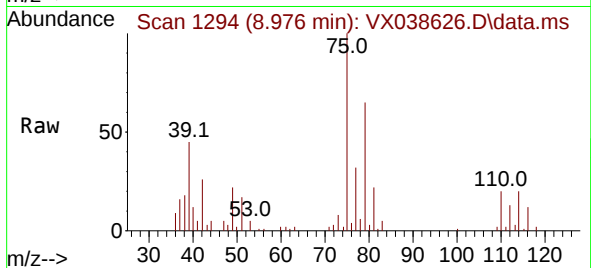
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 75 Resp: 9759

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#45

1,1,2-Trichloroethane

Concen: 2.364 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Tgt Ion: 97 Resp: 7651

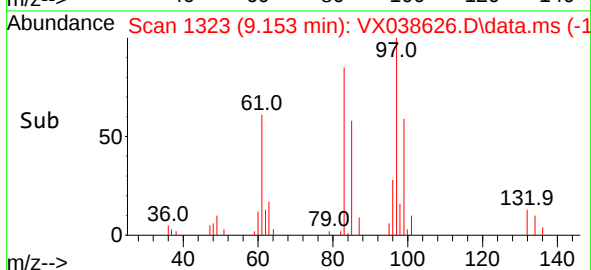
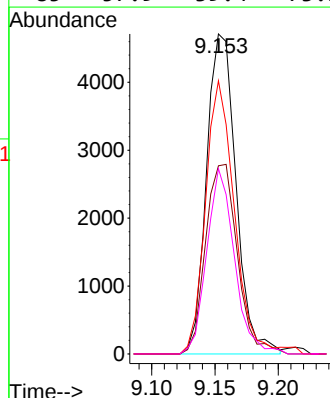
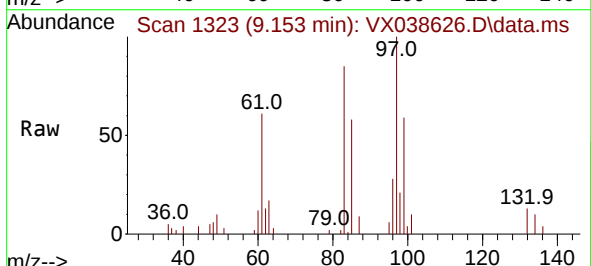
Ion Ratio Lower Upper

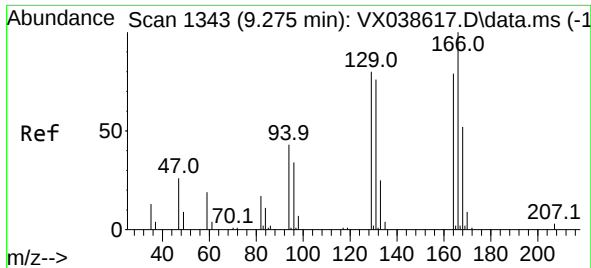
97 100

99 58.8 45.7 84.9

83 85.3 59.8 111.0

85 57.9 39.4 73.2



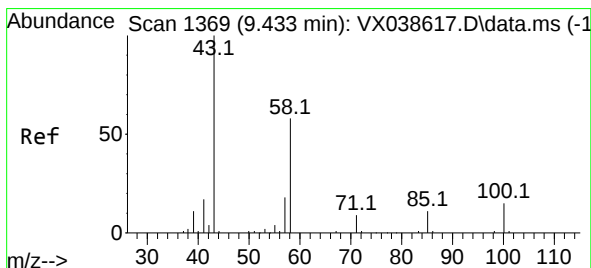
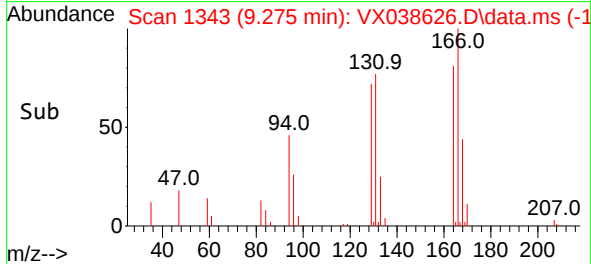
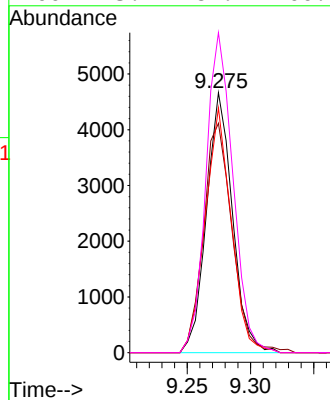
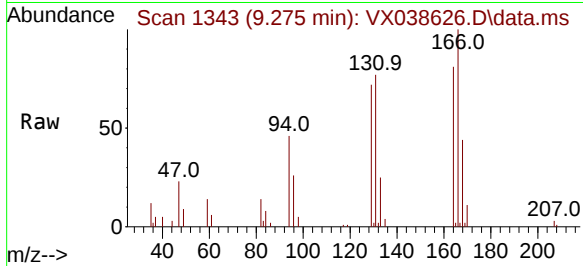


#46
Tetrachloroethene
Concen: 2.398 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

Tgt Ion:164 Resp: 6676

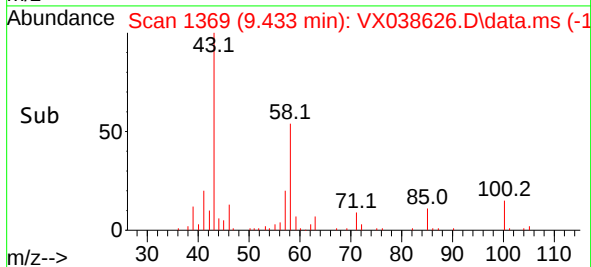
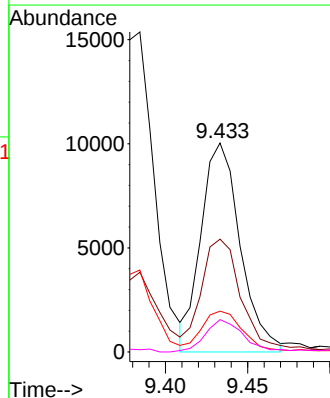
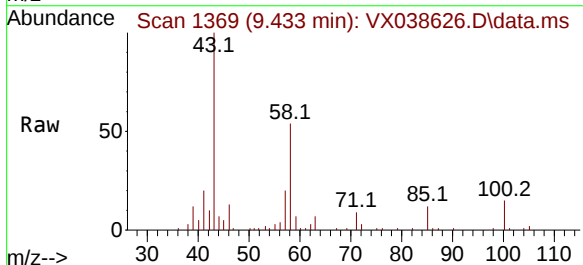
Ion	Ratio	Lower	Upper
164	100		
129	88.2	67.5	125.4
131	94.1	64.5	119.9
166	123.1	89.7	166.7

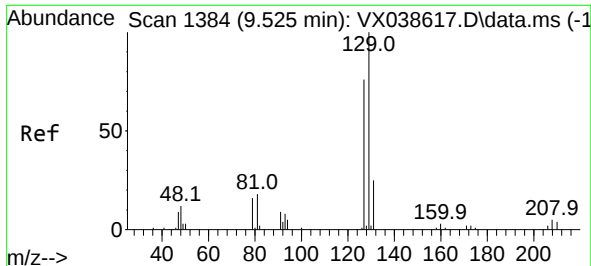


#48
2-Hexanone
Concen: 4.830 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 43 Resp: 16639

Ion	Ratio	Lower	Upper
43	100		
58	54.0	46.6	69.8
57	19.8	16.6	24.8
100	15.0	11.6	17.4





#49

Dibromochloromethane

Concen: 2.162 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

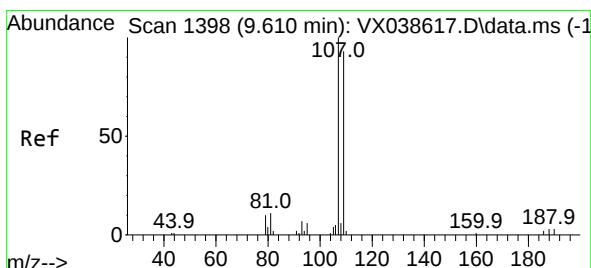
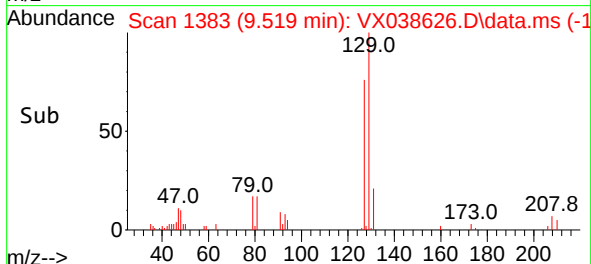
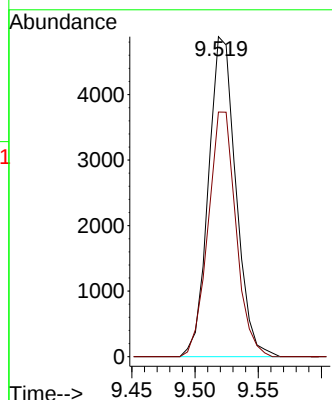
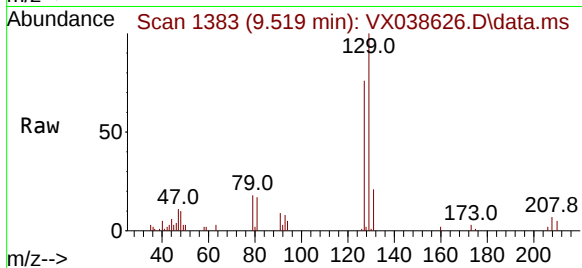
MDL-MED-SOIL-QT4-2023-07

Tgt Ion:129 Resp: 7380

Ion Ratio Lower Upper

129 100

127 76.5 54.2 100.6



#50

1,2-Dibromoethane

Concen: 2.276 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

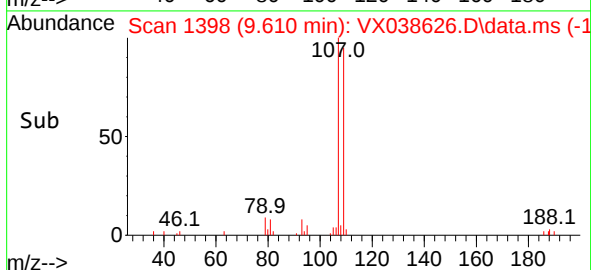
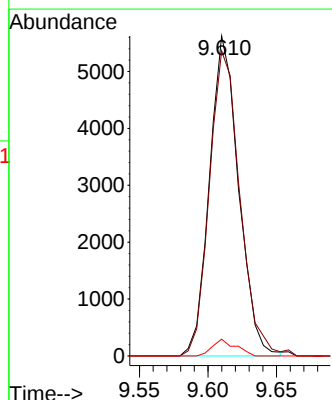
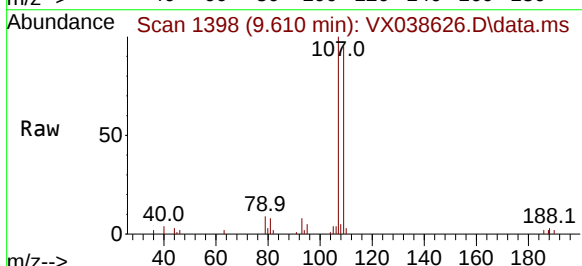
Tgt Ion:107 Resp: 8315

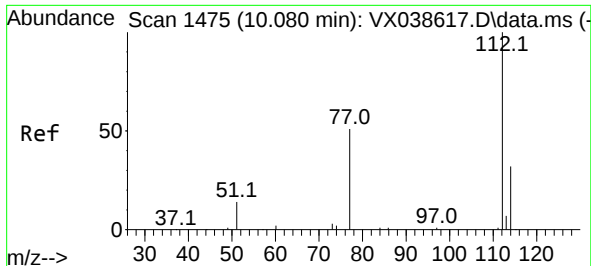
Ion Ratio Lower Upper

107 100

109 95.4 66.9 124.3

188 5.3 3.0 4.4#

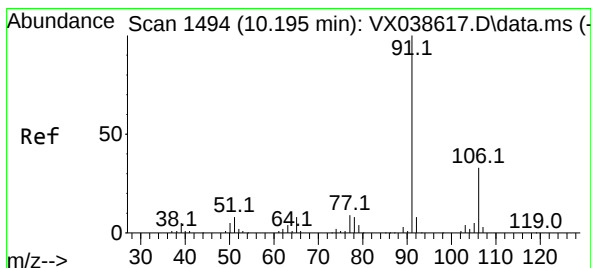
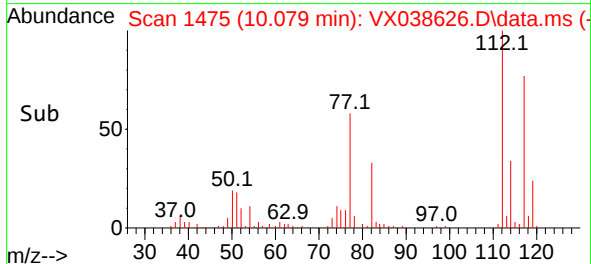
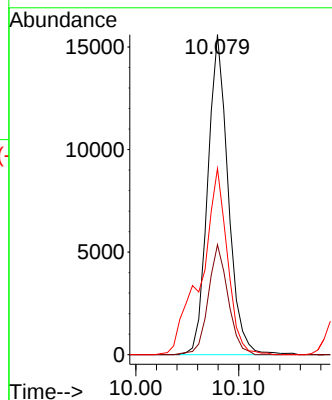
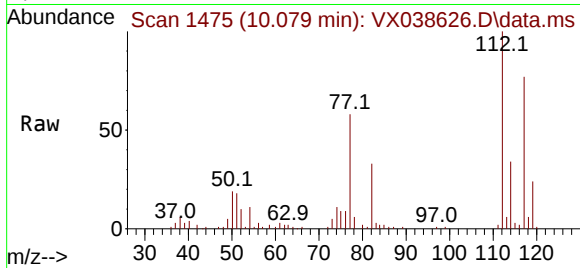




#51
Chlorobenzene
Concen: 2.429 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

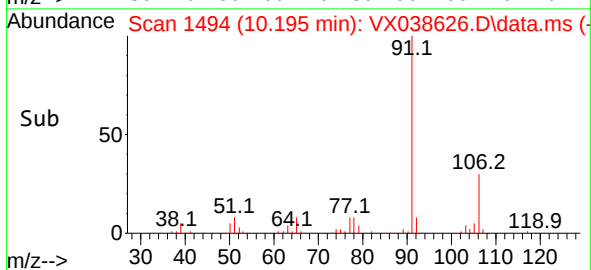
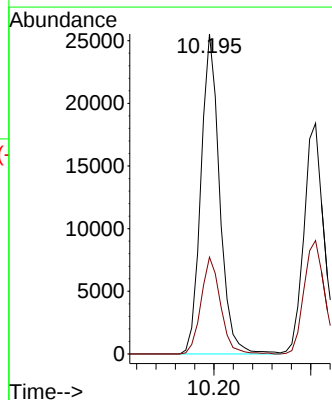
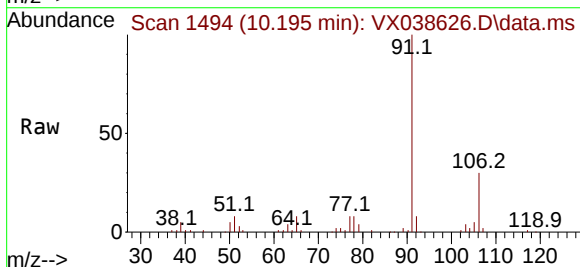
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

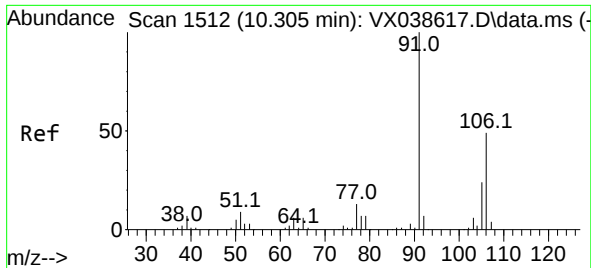
Tgt Ion:112 Resp: 21511
Ion Ratio Lower Upper
112 100
114 34.4 22.1 41.1
77 58.2 43.1 64.7



#52
Ethylbenzene
Concen: 2.359 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion: 91 Resp: 34364
Ion Ratio Lower Upper
91 100
106 30.3 22.7 42.1

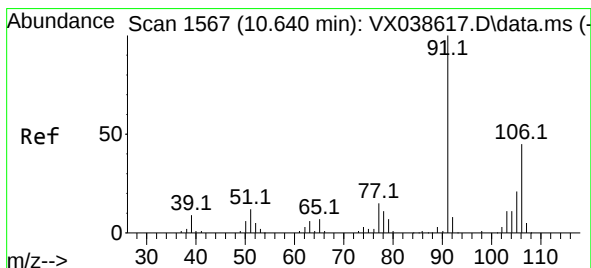
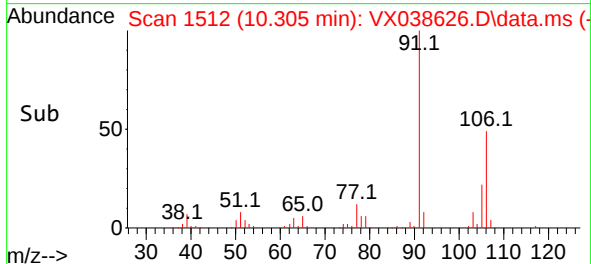
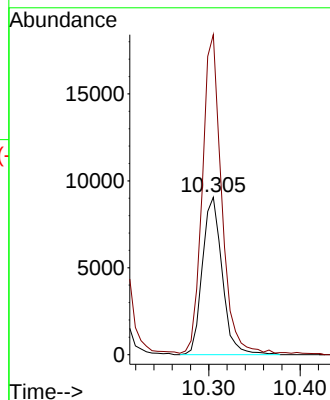
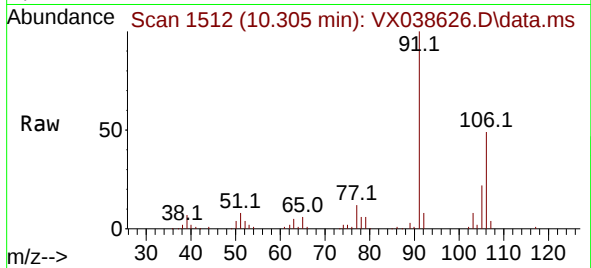




#53
m,p-Xylene
Concen: 2.363 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

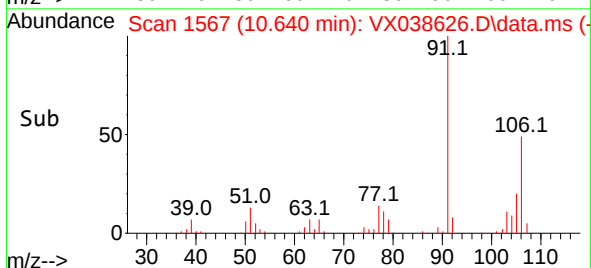
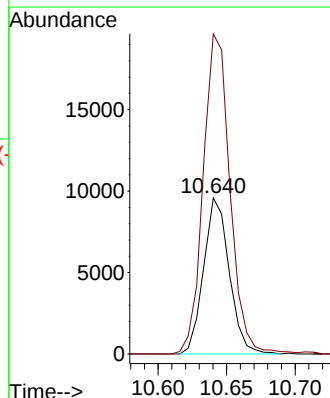
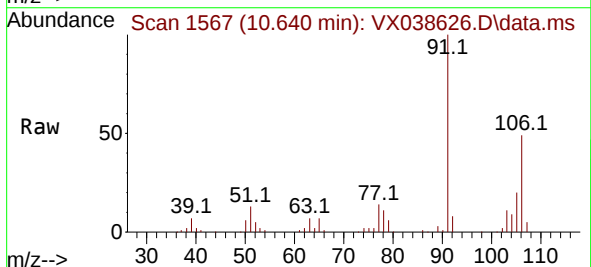
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

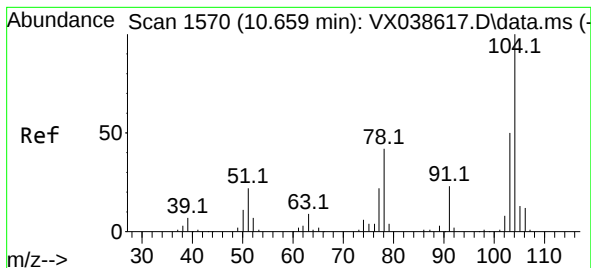
Tgt Ion:106 Resp: 13619
Ion Ratio Lower Upper
106 100
91 203.2 141.2 262.2



#54
o-Xylene
Concen: 2.230 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion:106 Resp: 12473
Ion Ratio Lower Upper
106 100
91 205.2 149.0 276.8





#55

Styrene

Concen: 2.140 ug/L

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

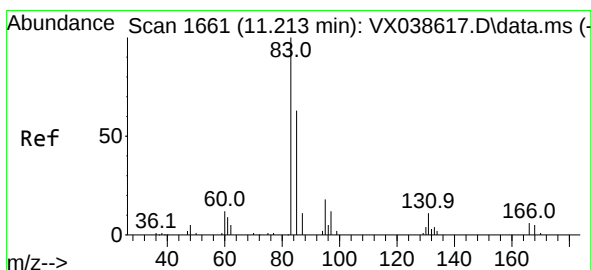
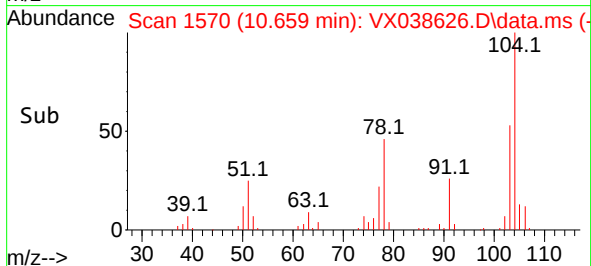
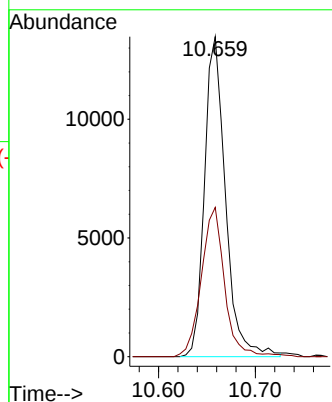
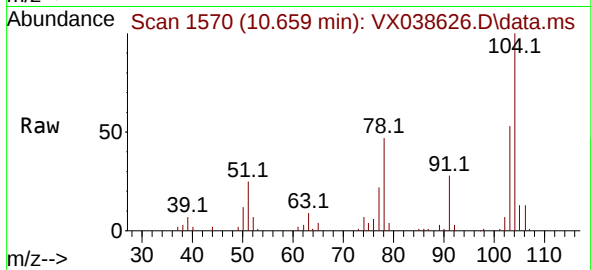
MDL-MED-SOIL-QT4-2023-07

Tgt Ion:104 Resp: 20346

Ion Ratio Lower Upper

104 100

78 46.6 31.7 58.9



#57

1,1,2,2-Tetrachloroethane

Concen: 2.483 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

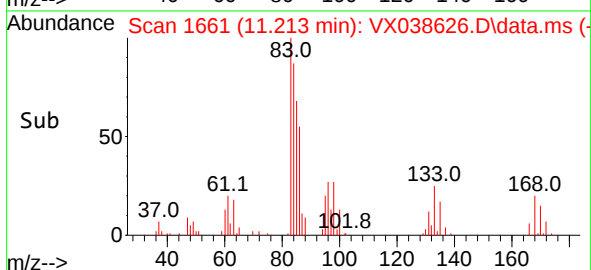
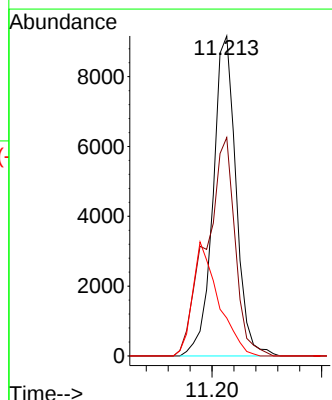
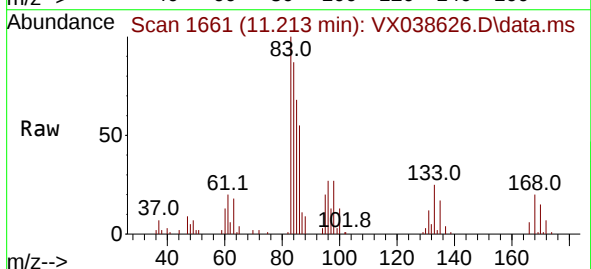
Tgt Ion: 83 Resp: 13324

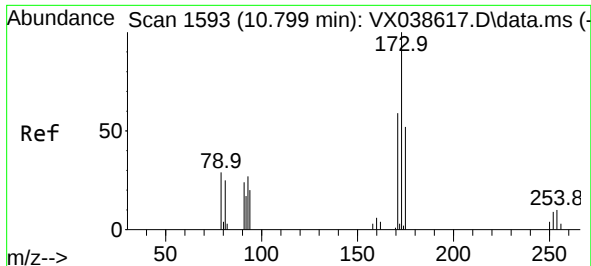
Ion Ratio Lower Upper

83 100

85 68.2 45.4 84.4

131 11.9 8.8 13.2

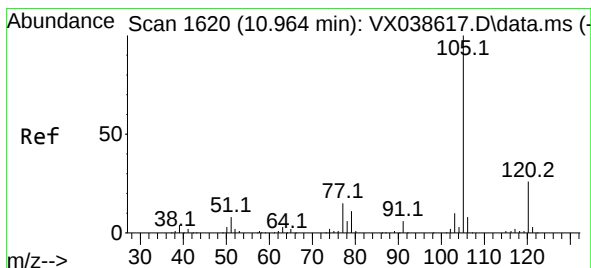
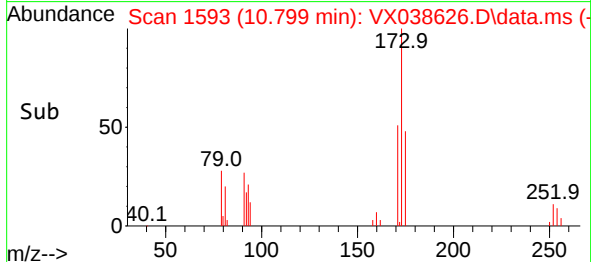
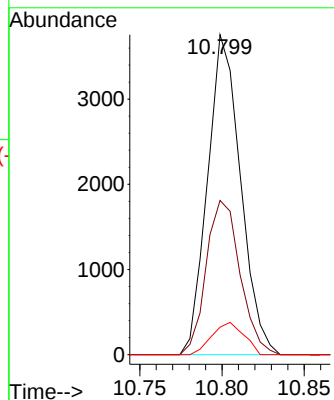
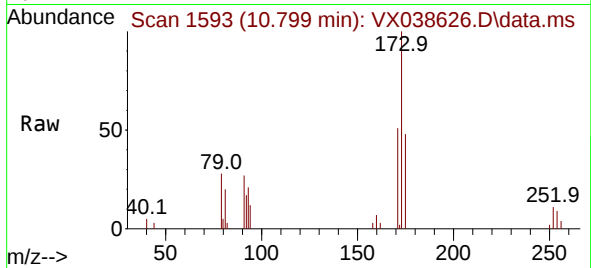




#59
Bromoform
Concen: 1.992 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

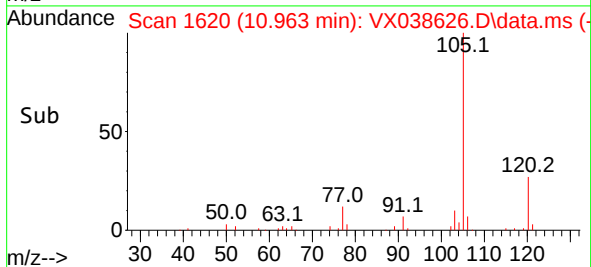
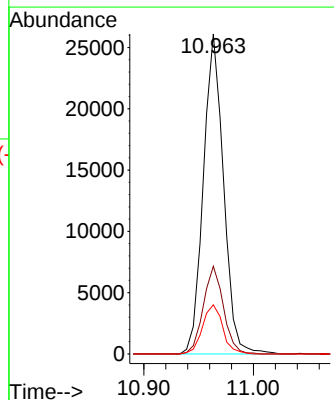
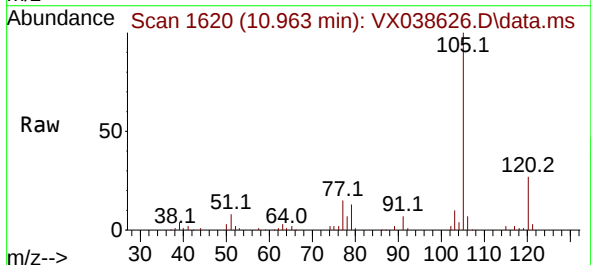
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

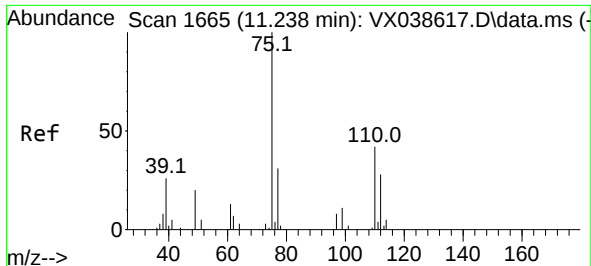
Tgt Ion:173 Resp: 5240
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.6
254 9.8 7.6 11.4



#60
Isopropylbenzene
Concen: 2.299 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion:105 Resp: 33374
Ion Ratio Lower Upper
105 100
120 27.3 21.6 32.4
77 15.4 12.1 18.1

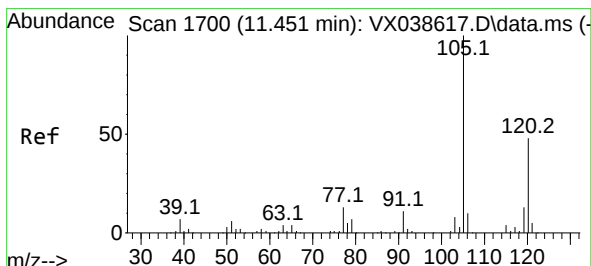
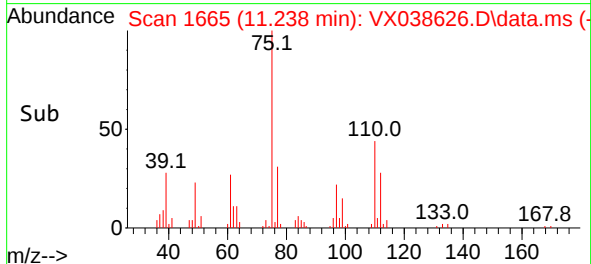
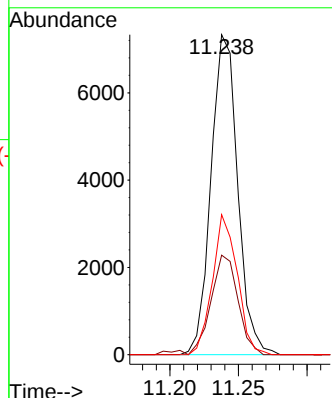
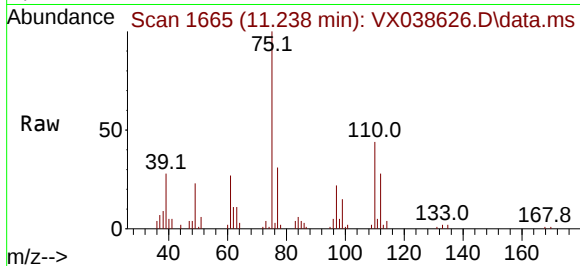




#61
1,2,3-Trichloropropane
Concen: 2.472 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

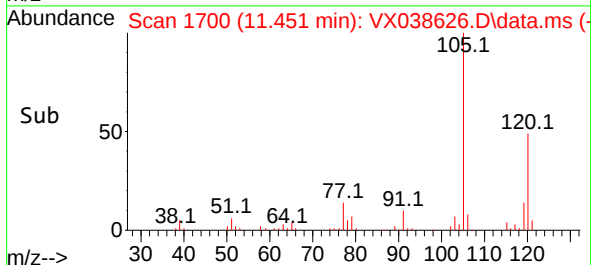
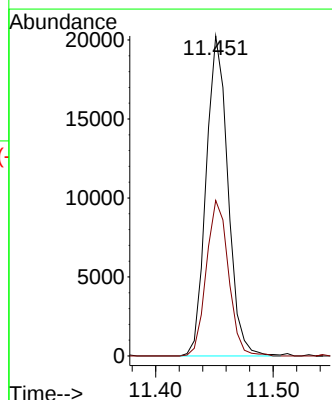
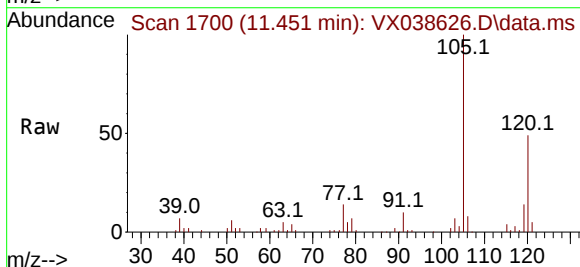
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

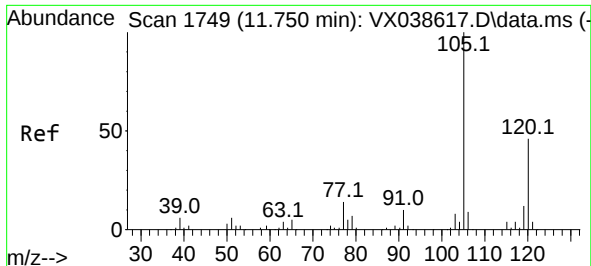
Tgt Ion:	75	Resp:	9919
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
110	40.7	33.6	50.4



#62
1,3,5-Trimethylbenzene
Concen: 2.154 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion:	105	Resp:	26112
Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.8	58.2

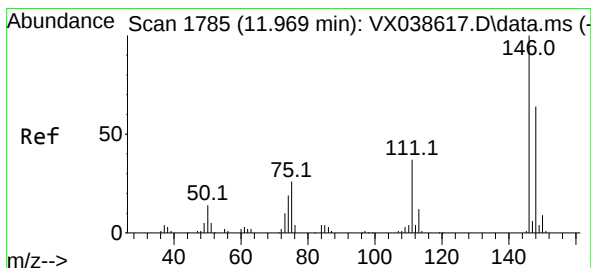
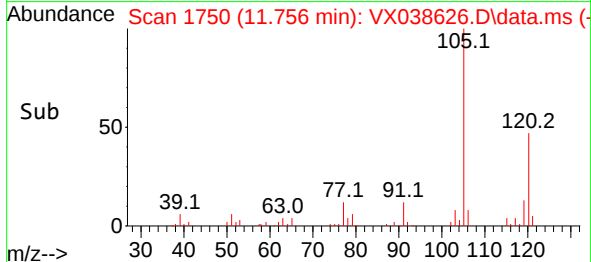
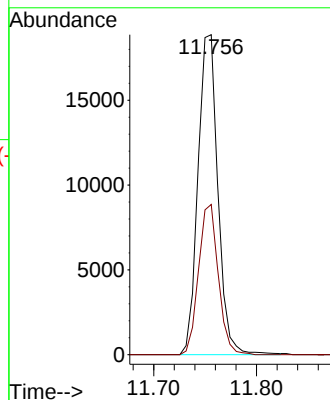
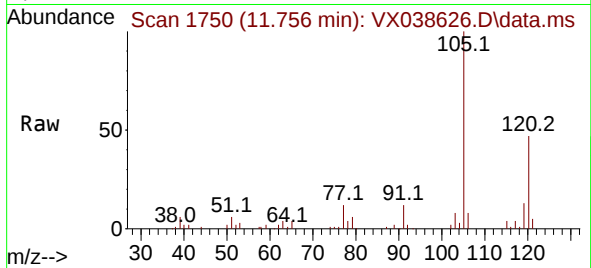




#63
1,2,4-Trimethylbenzene
Concen: 2.137 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

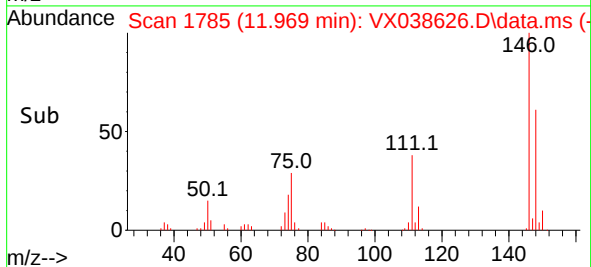
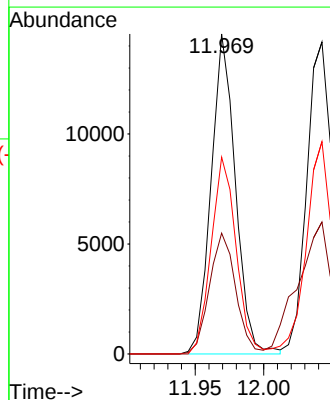
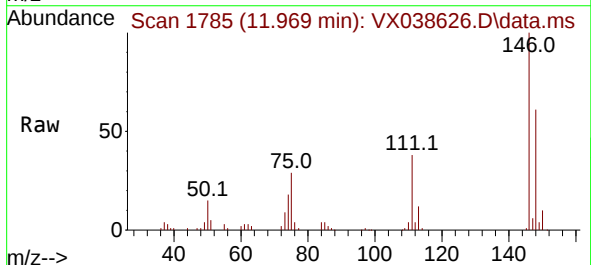
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

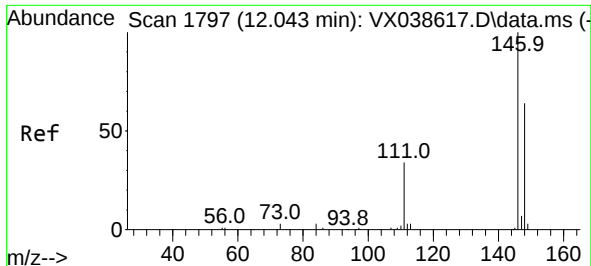
Tgt Ion:105 Resp: 25519
Ion Ratio Lower Upper
105 100
120 46.5 36.6 54.8



#64
1,3-Dichlorobenzene
Concen: 2.492 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion:146 Resp: 17956
Ion Ratio Lower Upper
146 100
111 37.8 27.0 50.2
148 61.5 44.9 83.3

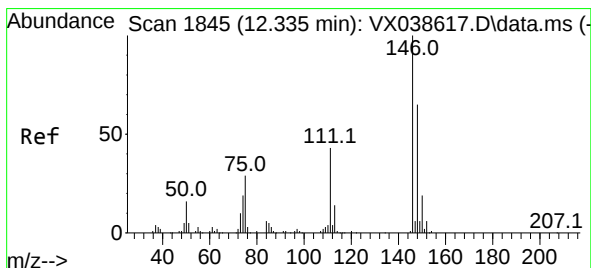
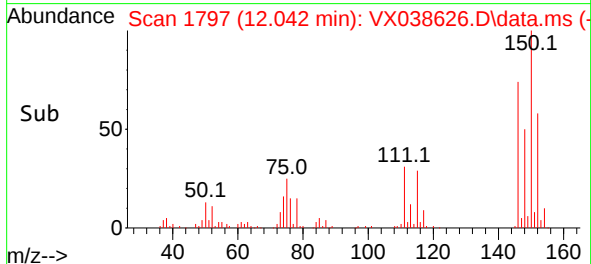
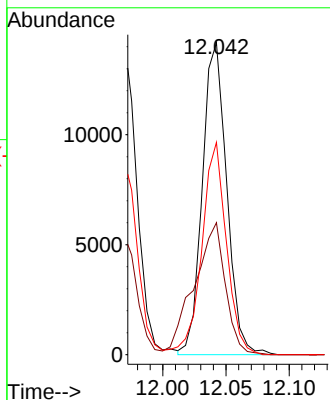
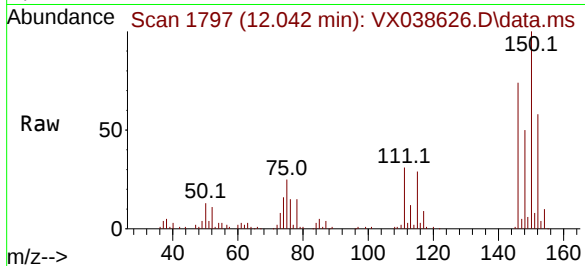




#65
1,4-Dichlorobenzene
Concen: 2.565 ug/L
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

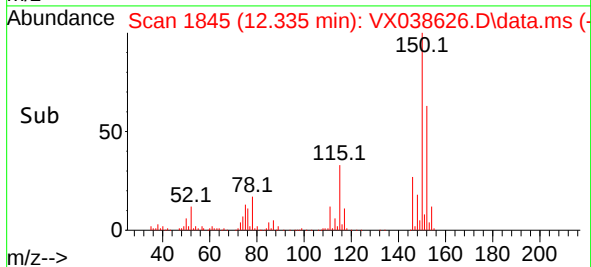
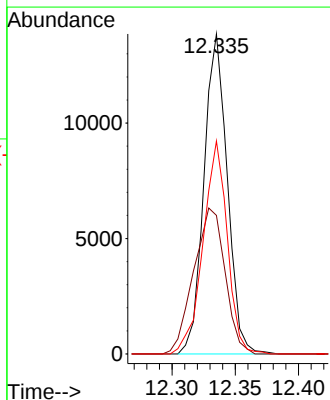
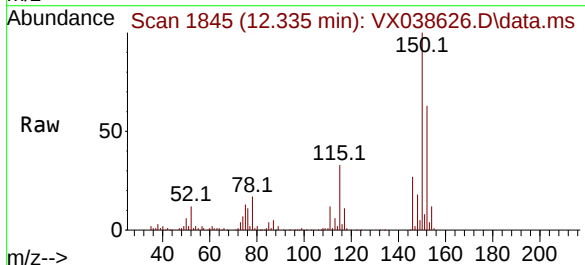
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

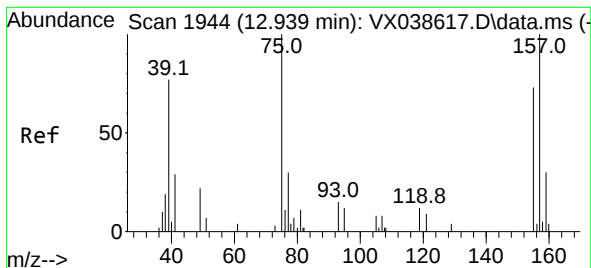
Tgt Ion:146 Resp: 19038
Ion Ratio Lower Upper
146 100
111 42.3 26.0 48.2
148 68.1 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 2.513 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion:146 Resp: 17773
Ion Ratio Lower Upper
146 100
111 43.3 32.2 48.2
148 66.6 51.0 76.6

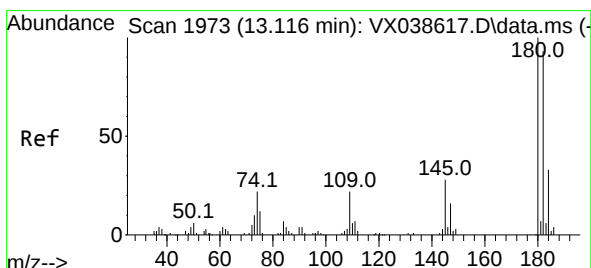
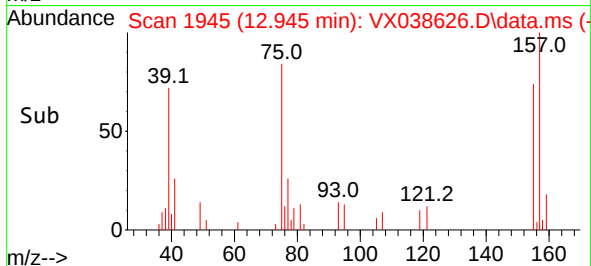
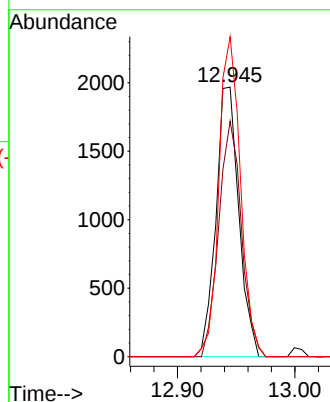
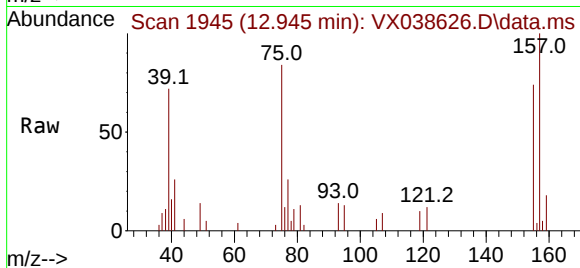




#68
1,2-Dibromo-3-chloropropane
Concen: 2.193 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

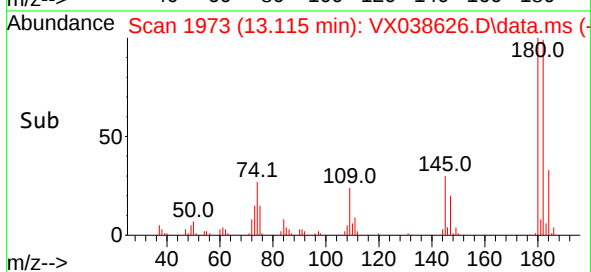
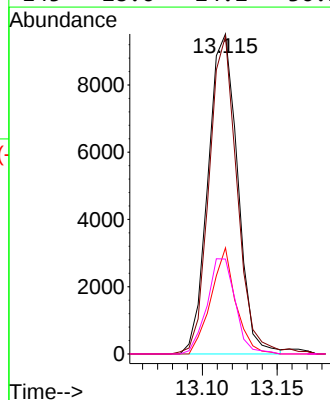
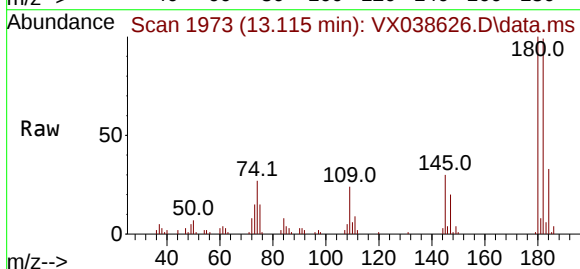
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

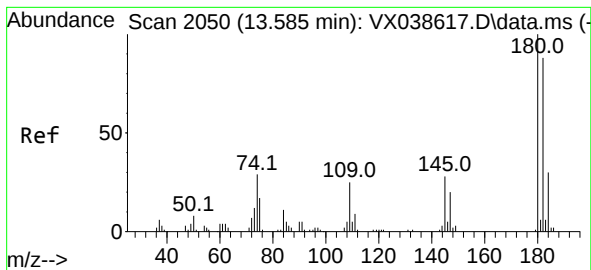
Tgt Ion:	75	Resp:	2667
Ion	Ratio	Lower	Upper
75	100		
155	87.3	66.6	99.8
157	118.7	85.9	128.9



#69
1,3,5-Trichlorobenzene
Concen: 2.523 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX038626.D
Acq: 28 Oct 2023 01:50

Tgt Ion:	180	Resp:	13058
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.9	115.3
184	27.8	24.5	36.7
145	28.6	24.2	36.2





#70

1,2,4-trichlorobenzene

Concen: 2.544 ug/L

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

Instrument :

MSVOA_X

ClientSampleId :

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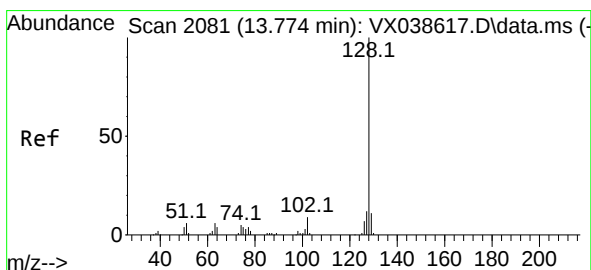
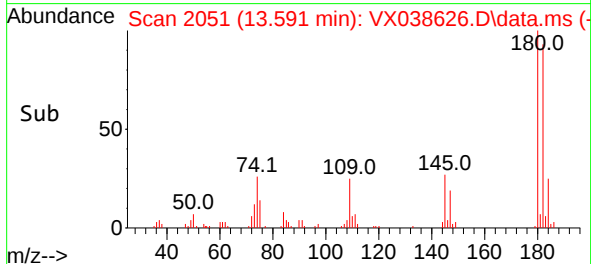
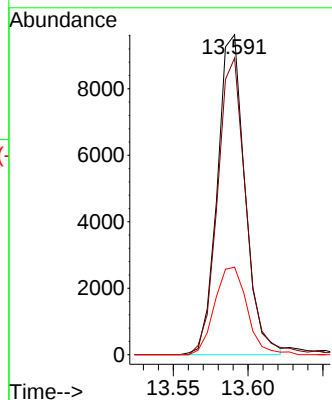
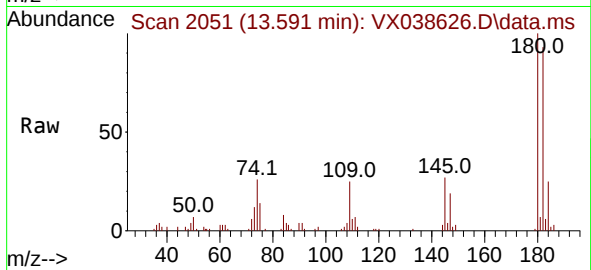
Tgt Ion:180 Resp: 12380

Ion Ratio Lower Upper

180 100

182 95.0 75.9 113.9

145 32.1 24.5 36.7



#71

Naphthalene

Concen: 2.265 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX038626.D

Acq: 28 Oct 2023 01:50

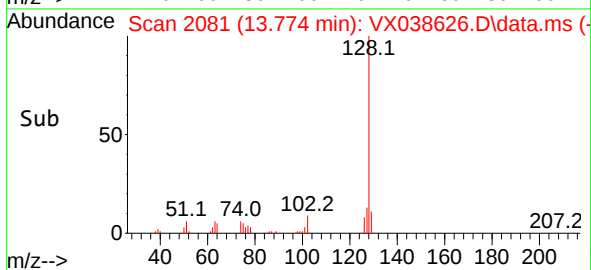
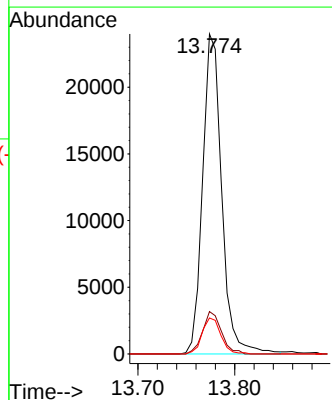
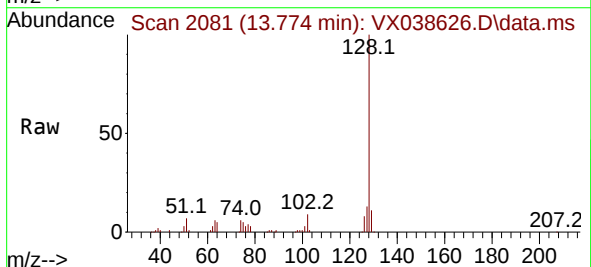
Tgt Ion:128 Resp: 33031

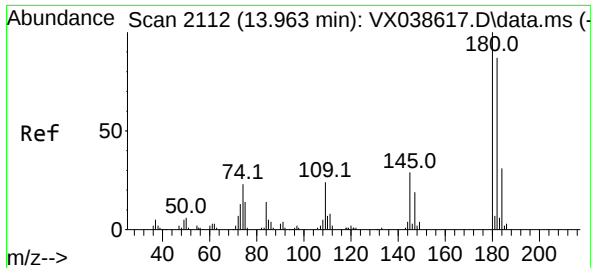
Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

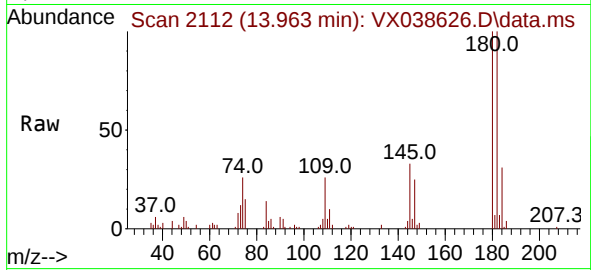
129 11.1 8.9 13.3





#72
 1,2,3-Trichlorobenzene
 Concen: 2.440 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX038626.D
 Acq: 28 Oct 2023 01:50

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT4-2023-07



Tgt Ion:	180	Resp:	11575
Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.2	114.4
145	33.8	25.8	38.6

