

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
 Data File : VW030074.D
 Acq On : 20 Feb 2023 13:27
 Operator : SY/MD
 Sample : 01378-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 20 23:01:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	425778	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	409028	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	239092	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	98566	32.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.120%
7) Chloroethane-d5	1.536	69	90301	38.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.960%
11) 1,1-Dichloroethene-d2	2.066	63	149654	25.842	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.680%#
21) 2-Butanone-d5	3.793	46	176717	93.543	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.540%
24) Chloroform-d	4.259	84	229420	40.773	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.540%
26) 1,2-Dichloroethane-d4	4.950	65	141185	42.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.900%
32) Benzene-d6	4.970	84	435847	40.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.240%
36) 1,2-Dichloropropane-d6	5.998	67	151154	43.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.520%
41) Toluene-d8	7.252	98	405407	39.544	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.080%#
43) trans-1,3-Dichloroprop...	7.558	79	70357	40.985	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.980%
47) 2-Hexanone-d5	8.031	63	149987	93.138	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.140%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	237141	45.768	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.540%
66) 1,2-Dichlorobenzene-d4	11.571	152	190748	44.795	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	12321	2.734	ug/L	98
3) Chloromethane	1.217	50	22776	3.938	ug/L	99
5) Vinyl chloride	1.285	62	11797	2.929	ug/L	86
6) Bromomethane	1.491	94	2577	3.520	ug/L	86
8) Chloroethane	1.552	64	6898	2.936	ug/L	100
9) Trichlorofluoromethane	1.719	101	14642	2.743	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	10356	3.170	ug/L	89
12) 1,1-Dichloroethene	2.076	96	9130	3.106	ug/L #	1
13) Acetone	2.121	43	9336	6.439	ug/L	99
14) Carbon disulfide	2.246	76	22125	2.546	ug/L	97
15) Methyl Acetate	2.384	43	7590	2.517	ug/L	96
16) Methylene chloride	2.455	84	10007	3.110	ug/L	95
17) trans-1,2-Dichloroethene	2.703	96	7838	2.609	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	24887	2.603	ug/L	98
19) 1,1-Dichloroethane	3.121	63	15110	2.729	ug/L	99
20) cis-1,2-Dichloroethene	3.831	96	8791	2.646	ug/L	100
23) Bromochloromethane	4.166	128	4640	2.619	ug/L	91
25) Chloroform	4.288	83	16364	2.899	ug/L	93
27) 1,2-Dichloroethane	5.056	62	11100	2.633	ug/L	97

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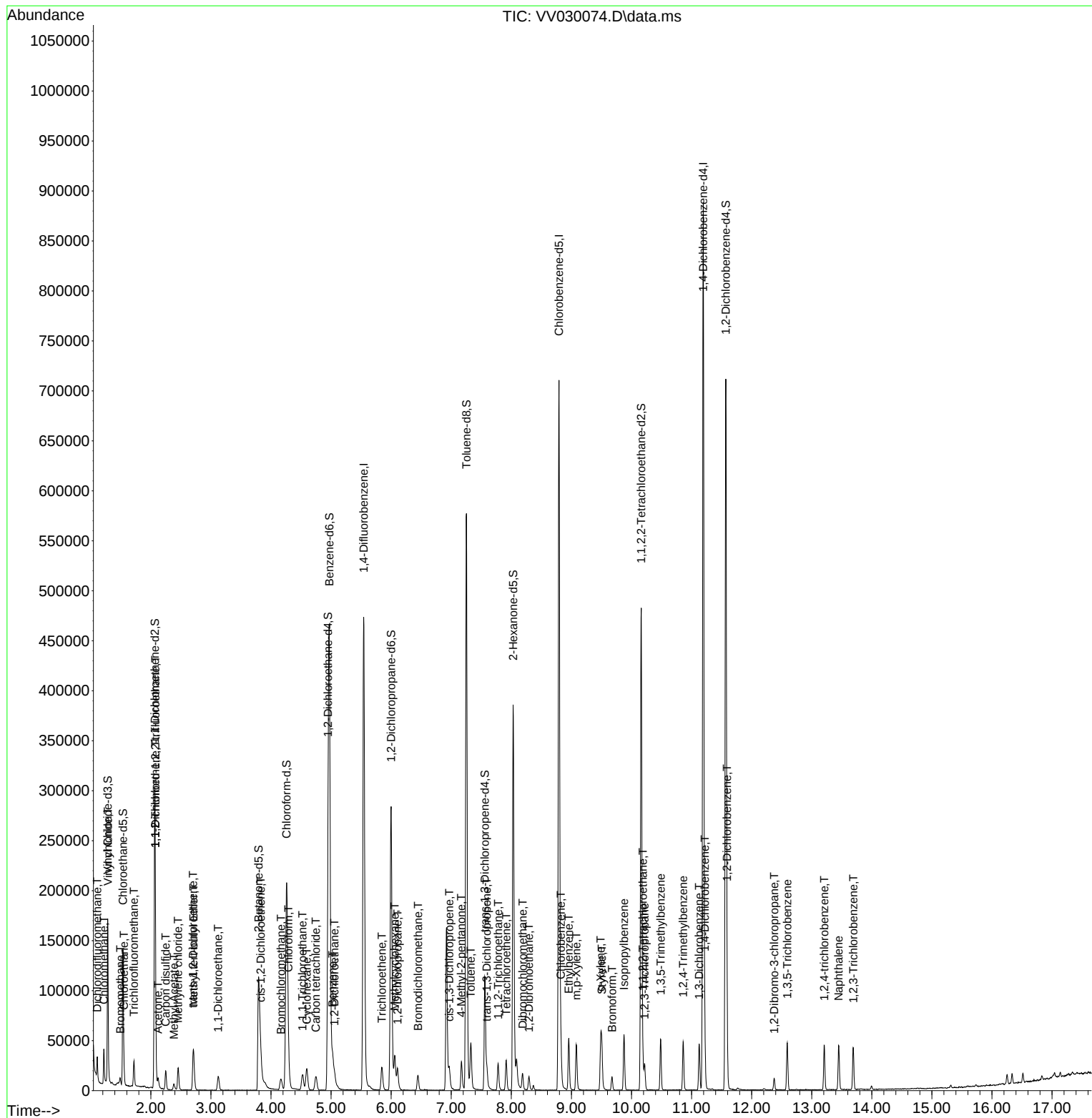
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.597	56	12261	2.572	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	13415	2.640	ug/L	98
31) Carbon tetrachloride	4.744	117	11237	2.519	ug/L	97
33) Benzene	5.024	78	31484	2.609	ug/L	100
34) Trichloroethene	5.844	95	8800	2.679	ug/L	97
35) Methylcyclohexane	6.060	83	14787	2.836	ug/L	93
37) 1,2-Dichloropropane	6.108	63	9169	2.885	ug/L	98
38) Bromodichloromethane	6.445	83	11426	2.677	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	13960	2.613	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	19018	4.813	ug/L	98
42) Toluene	7.326	91	35823	2.713	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	15010	3.089	ug/L	93
45) 1,1,2-Trichloroethane	7.780	97	8892	2.696	ug/L	98
46) Tetrachloroethene	7.915	164	7406	2.682	ug/L	93
49) Dibromochloromethane	8.188	129	8627	2.523	ug/L	97
50) 1,2-Dibromoethane	8.294	107	9448	2.611	ug/L	93
51) Chlorobenzene	8.825	112	23741	2.698	ug/L	97
52) Ethylbenzene	8.957	91	37862	2.590	ug/L	97
53) m,p-Xylene	9.082	106	13263	2.374	ug/L	98
54) o-Xylene	9.487	106	12739	2.366	ug/L	99
55) Styrene	9.506	104	22036	2.396	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.188	83	14858	2.756	ug/L	99
59) Bromoform	9.677	173	6630	2.800	ug/L	96
60) Isopropylbenzene	9.876	105	36270	2.551	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	10679	2.700	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	28284	2.402	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	27694	2.393	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	19040	2.657	ug/L	95
65) 1,4-Dichlorobenzene	11.220	146	19982	2.726	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	19783	2.773	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	2958	2.563	ug/L	95
69) 1,3,5-Trichlorobenzene	12.593	180	15245	2.666	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	13907	2.588	ug/L	99
71) Naphthalene	13.448	128	35818	2.298	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	13498	2.559	ug/L	98

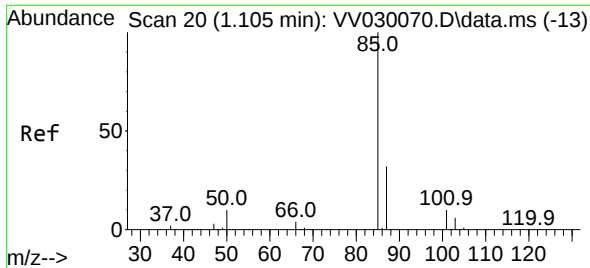
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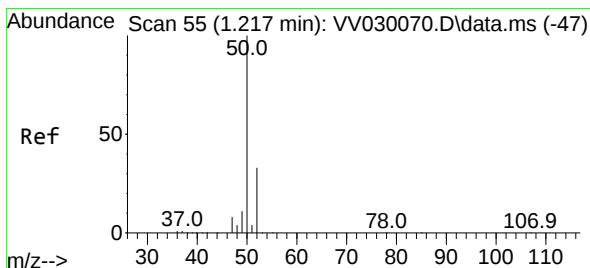
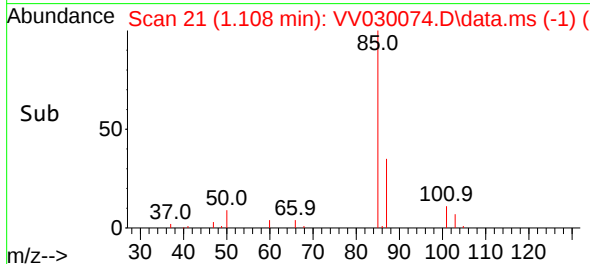
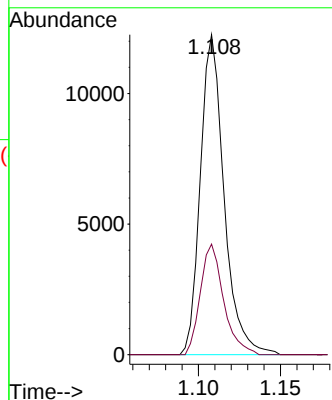
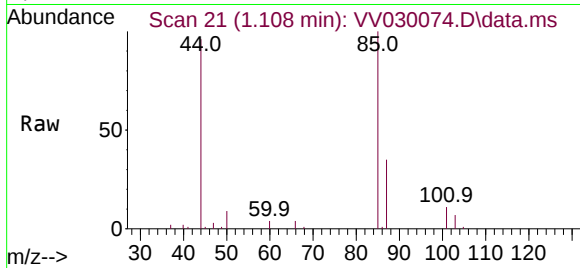




#2
Dichlorodifluoromethane
Concen: 2.734 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

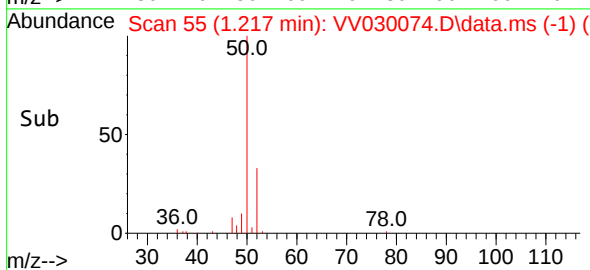
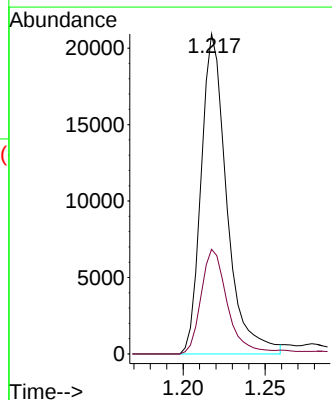
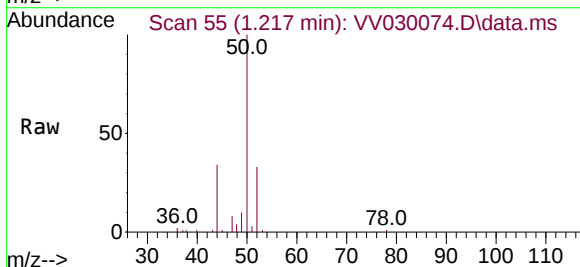
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

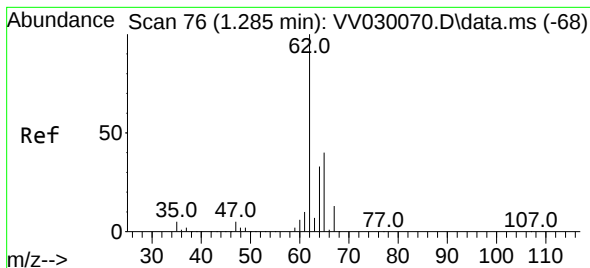
Tgt Ion: 85 Resp: 12321
Ion Ratio Lower Upper
85 100
87 33.9 26.0 39.0



#3
Chloromethane
Concen: 3.938 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 50 Resp: 22776
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4





#5

Vinyl chloride

Concen: 2.929 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

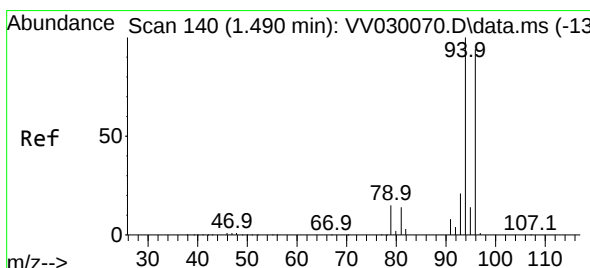
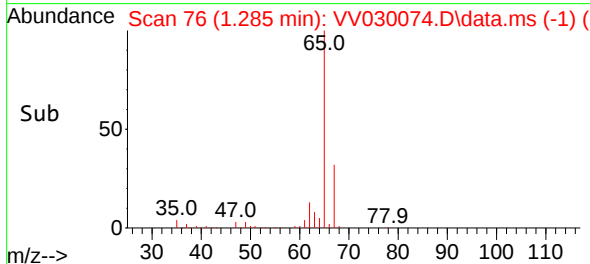
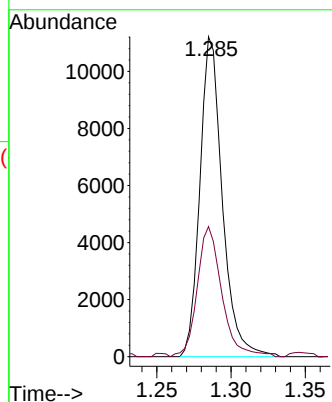
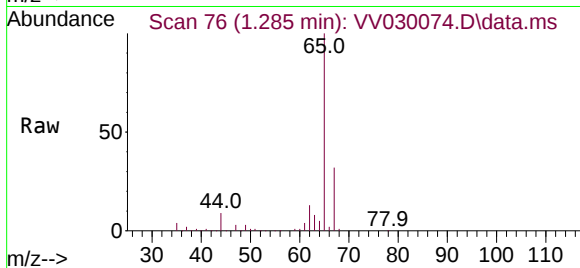
MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 62 Resp: 11797

Ion Ratio Lower Upper

62 100

64 40.7 22.9 42.5



#6

Bromomethane

Concen: 3.520 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV030074.D

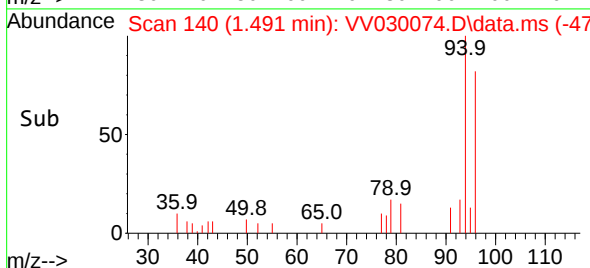
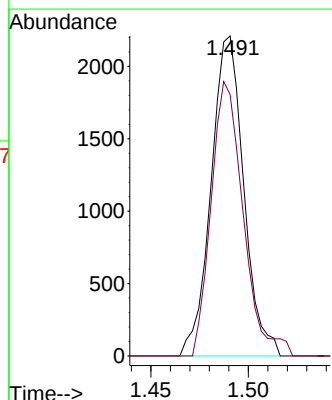
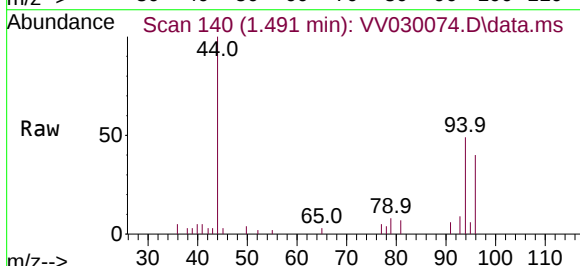
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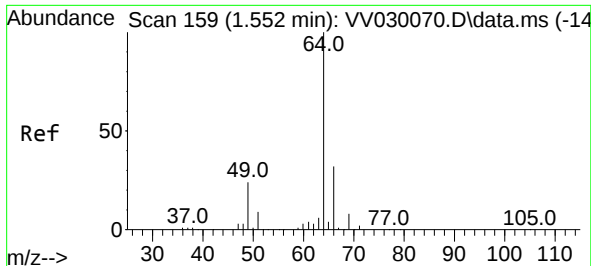
Tgt Ion: 94 Resp: 2577

Ion Ratio Lower Upper

94 100

96 81.7 66.7 123.9

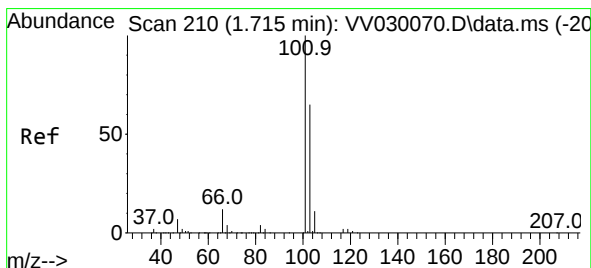
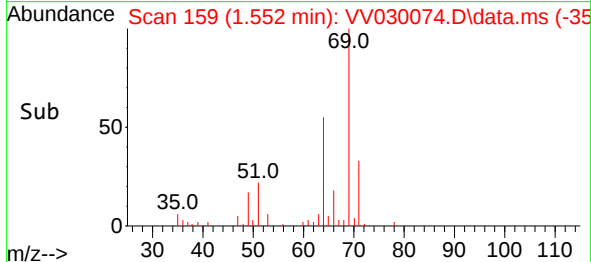
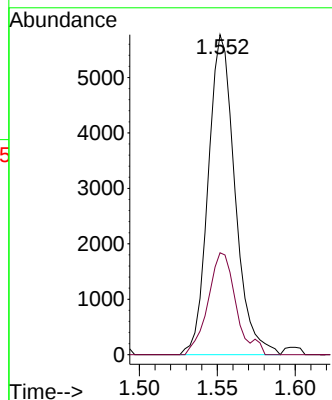
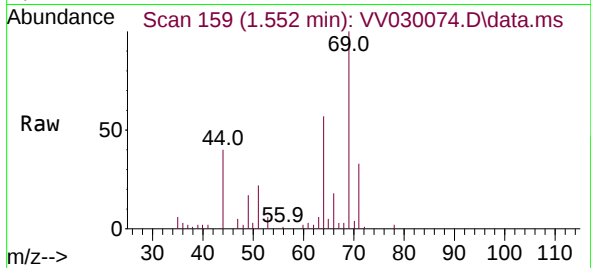




#8
Chloroethane
Concen: 2.936 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

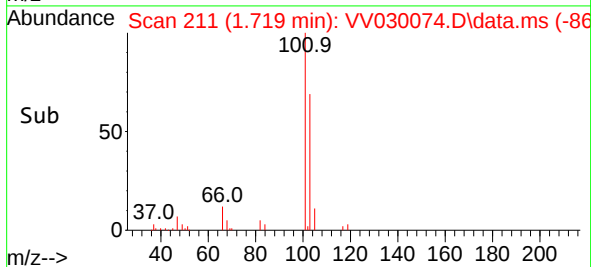
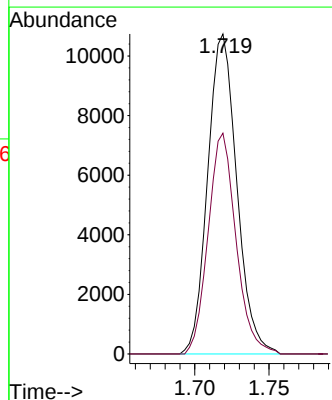
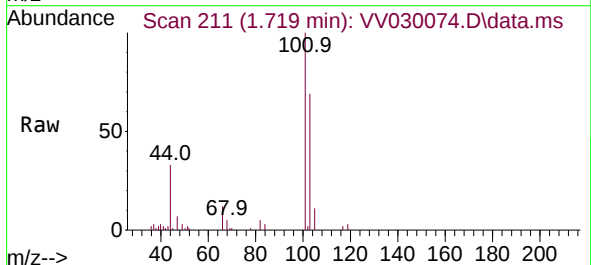
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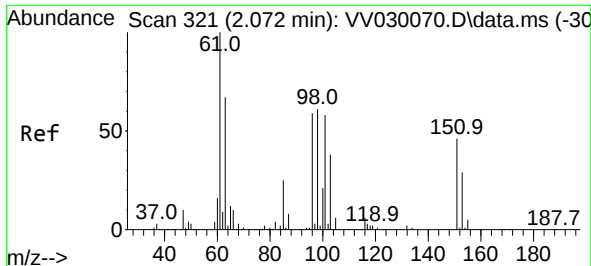
Tgt Ion: 64 Resp: 6898
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 2.743 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion:101 Resp: 14642
Ion Ratio Lower Upper
101 100
103 66.1 52.6 78.8

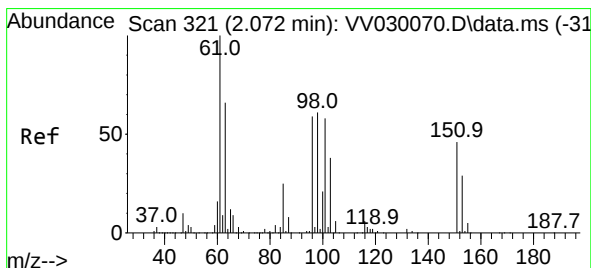
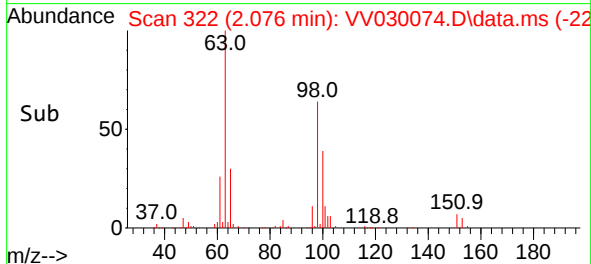
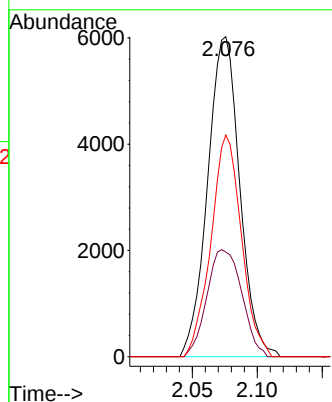
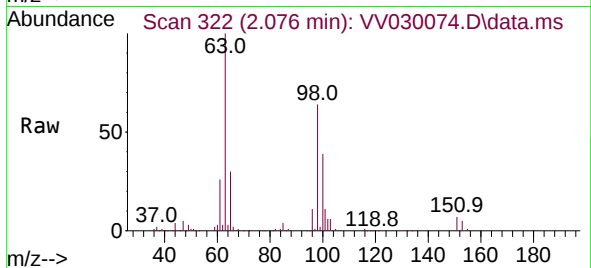




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.170 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

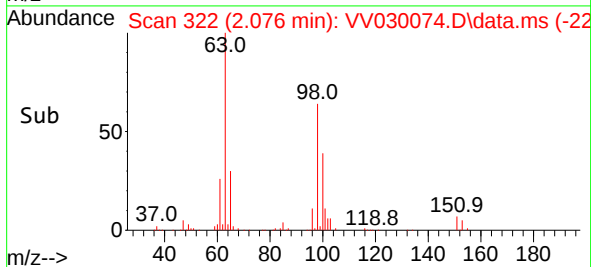
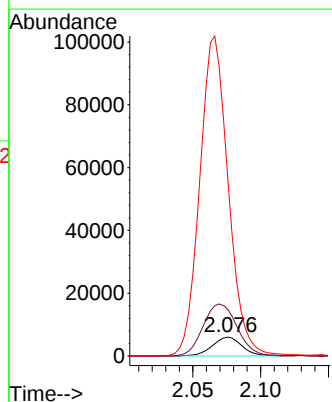
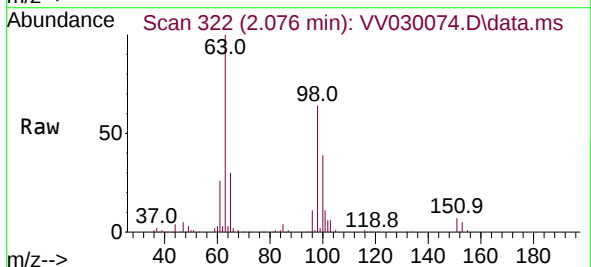
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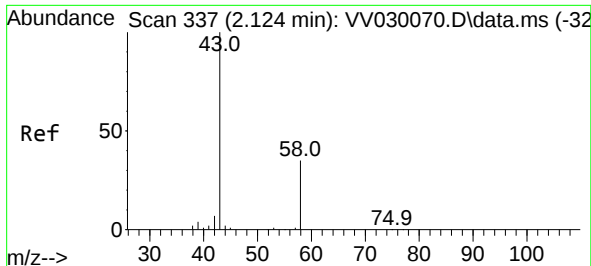
Tgt Ion:101 Resp: 10356
Ion Ratio Lower Upper
101 100
85 36.3 33.4 50.2
151 65.8 60.8 91.2



#12
1,1-Dichloroethene
Concen: 3.106 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 96 Resp: 9130
Ion Ratio Lower Upper
96 100
61 246.6 115.8 215.2#
63 934.9 83.4 154.8#





#13

Acetone

Concen: 6.439 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

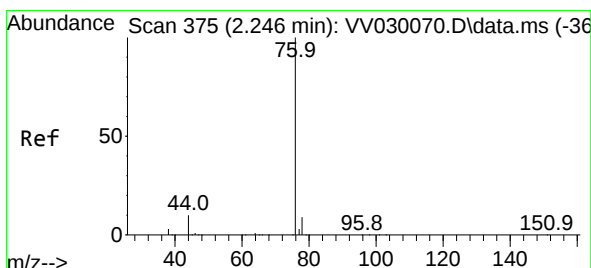
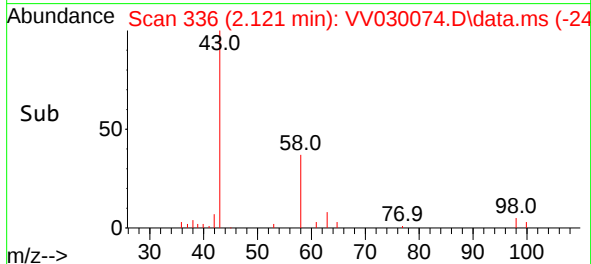
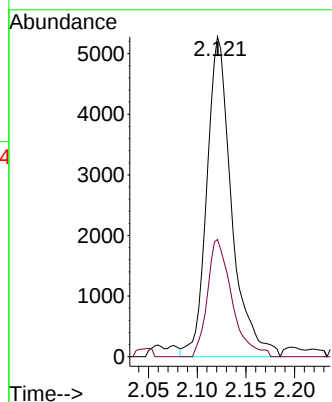
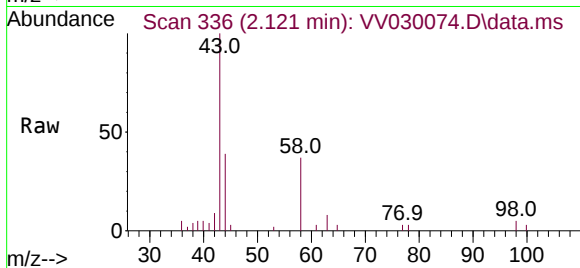
MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 9336

Ion Ratio Lower Upper

43 100

58 35.6 0.0 70.6



#14

Carbon disulfide

Concen: 2.546 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030074.D

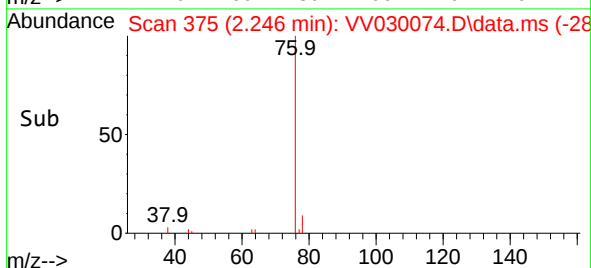
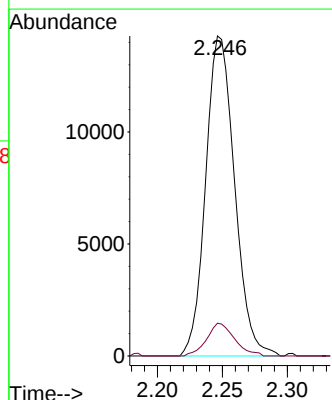
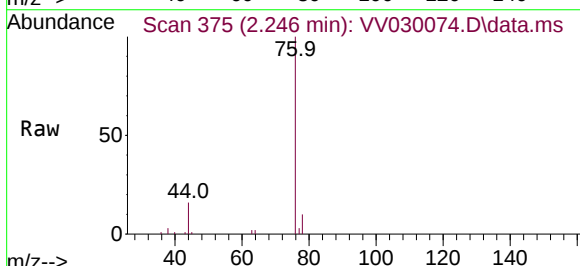
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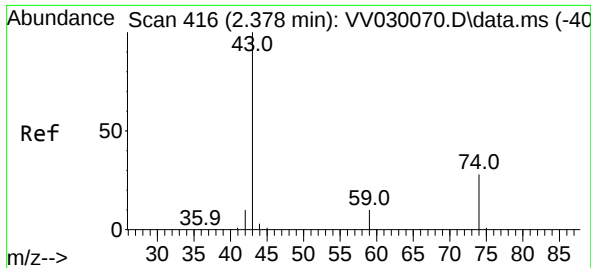
Tgt Ion: 76 Resp: 22125

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

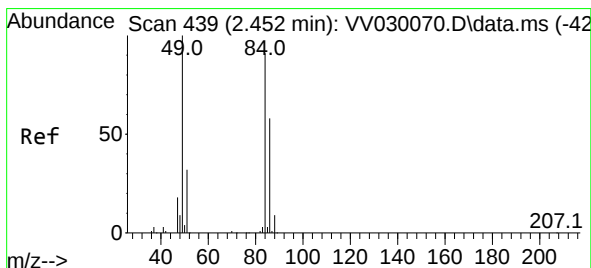
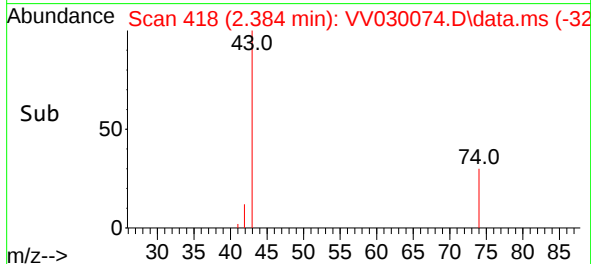
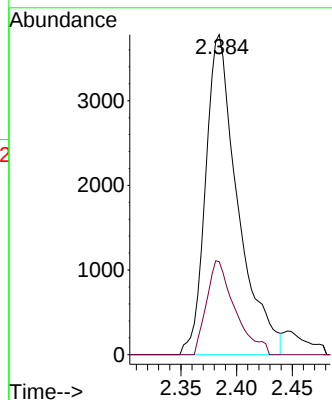
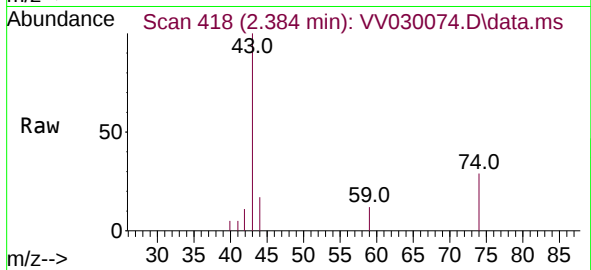




#15
Methyl Acetate
Concen: 2.517 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

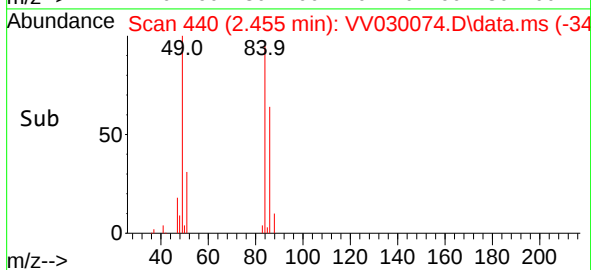
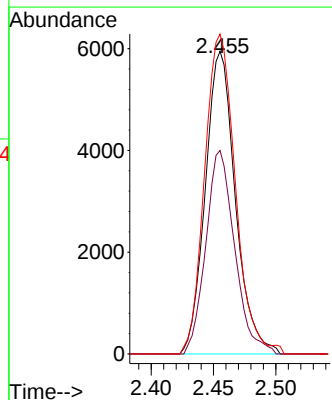
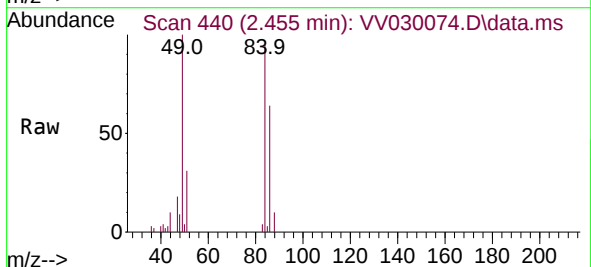
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

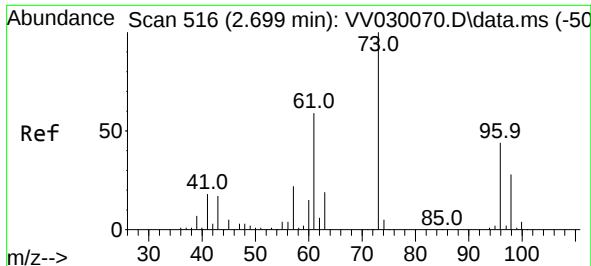
Tgt Ion: 43 Resp: 7590
Ion Ratio Lower Upper
43 100
74 25.2 21.9 32.9



#16
Methylene chloride
Concen: 3.110 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 84 Resp: 10007
Ion Ratio Lower Upper
84 100
86 67.2 45.1 83.7
49 105.7 78.7 146.1





#17

trans-1,2-Dichloroethene

Concen: 2.609 ug/L

RT: 2.703 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

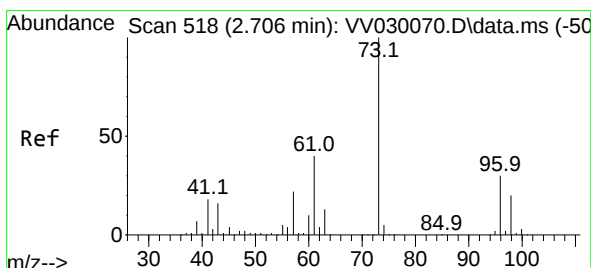
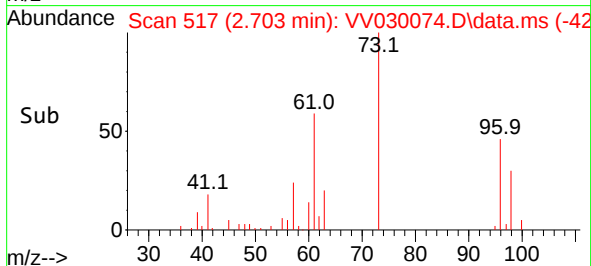
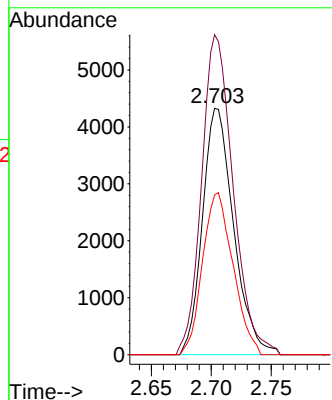
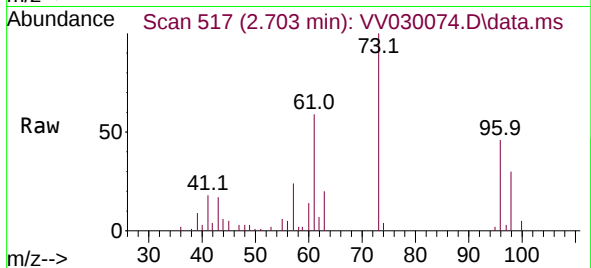
Tgt Ion: 96 Resp: 7838

Ion Ratio Lower Upper

96 100

61 129.9 93.3 173.3

98 64.8 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 2.603 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.007 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

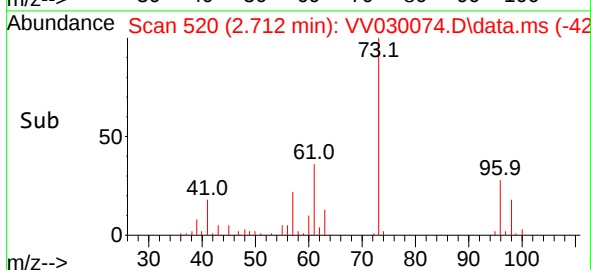
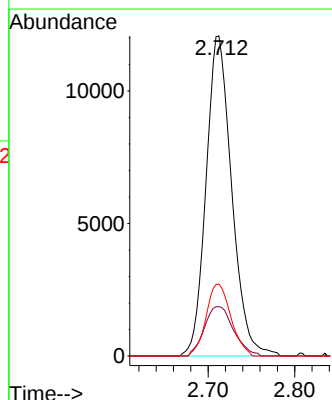
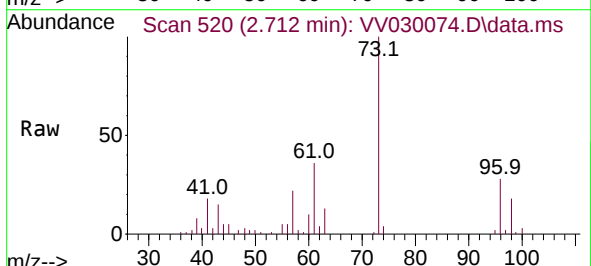
Tgt Ion: 73 Resp: 24887

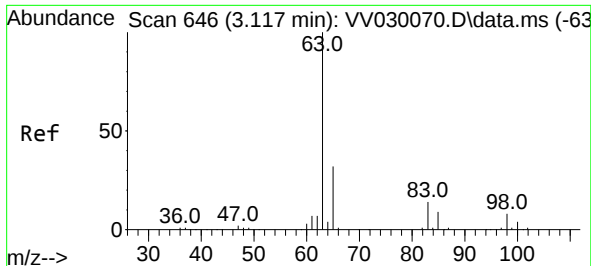
Ion Ratio Lower Upper

73 100

43 17.5 12.7 19.1

57 21.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.729 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

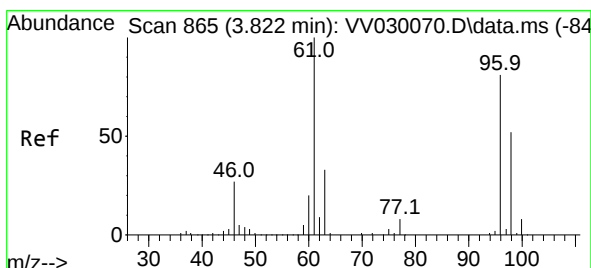
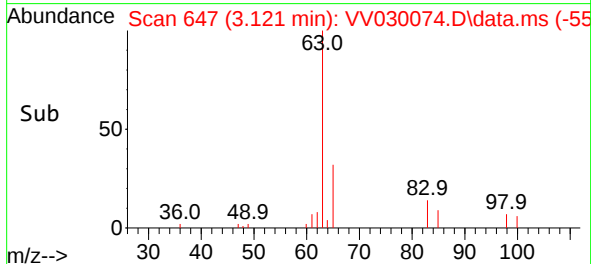
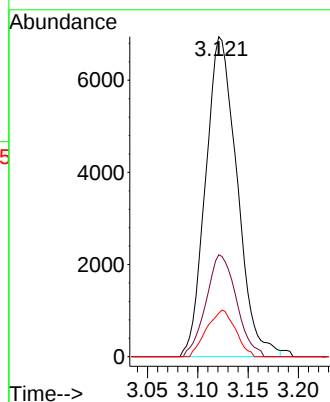
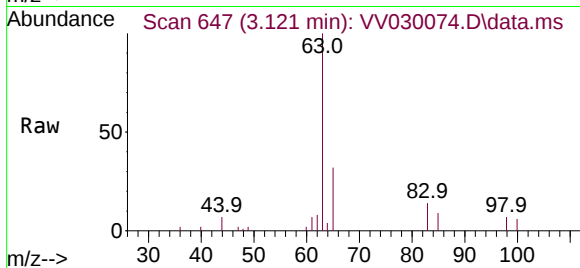
Tgt Ion: 63 Resp: 15110

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.646 ug/L

RT: 3.831 min Scan# 868

Delta R.T. 0.010 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

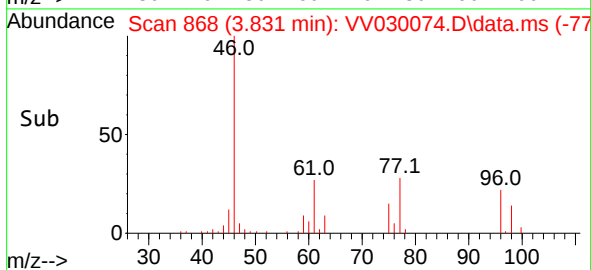
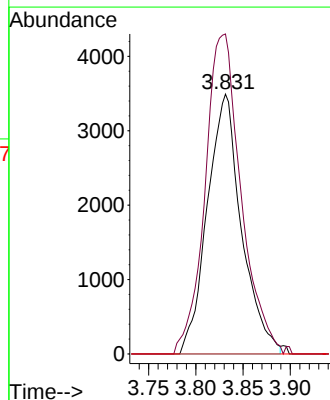
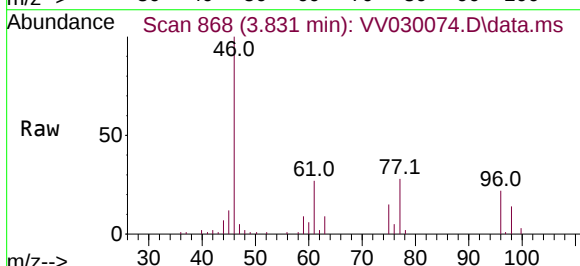
Tgt Ion: 96 Resp: 8791

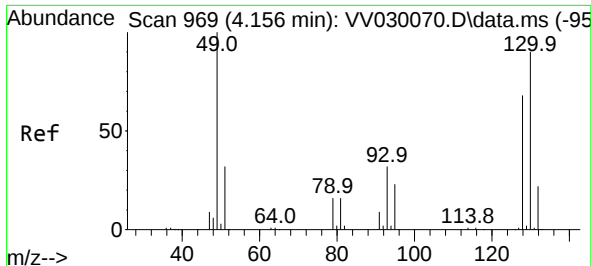
Ion Ratio Lower Upper

96 100

61 123.2 86.0 159.6

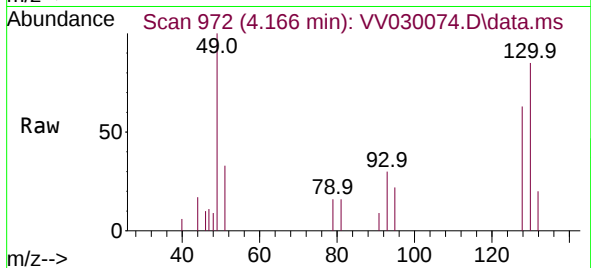
68 0.0 0.0 0.0



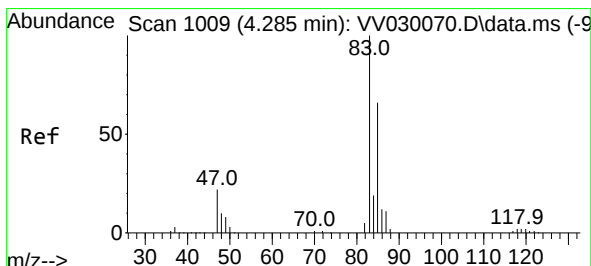
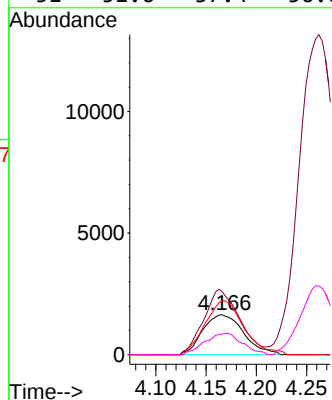
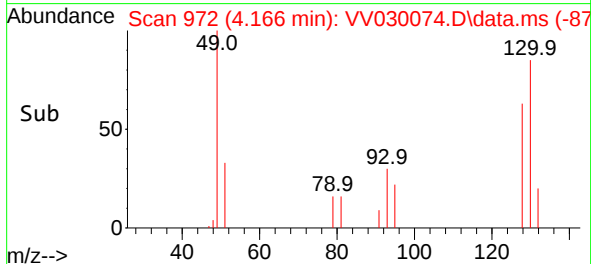


#23
Bromochloromethane
Concen: 2.619 ug/L
RT: 4.166 min Scan# 910
Delta R.T. 0.010 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

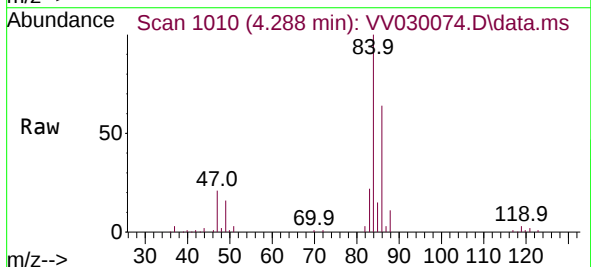
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01



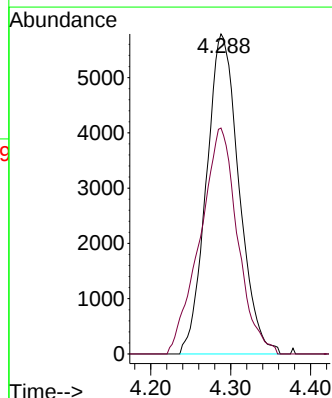
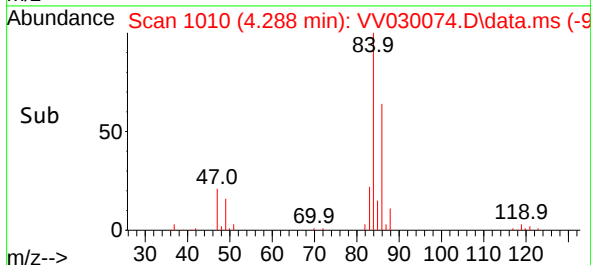
Tgt Ion:	128	Resp:	4640
Ion	Ratio	Lower	Upper
128	100		
49	158.2	101.0	187.6
130	134.7	88.2	163.8
51	51.6	37.4	56.0

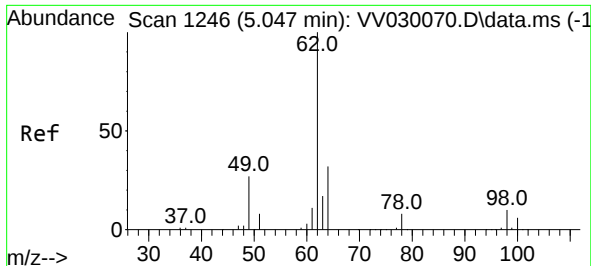


#25
Chloroform
Concen: 2.899 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27



Tgt Ion:	83	Resp:	16364
Ion	Ratio	Lower	Upper
83	100		
85	70.6	45.4	84.4

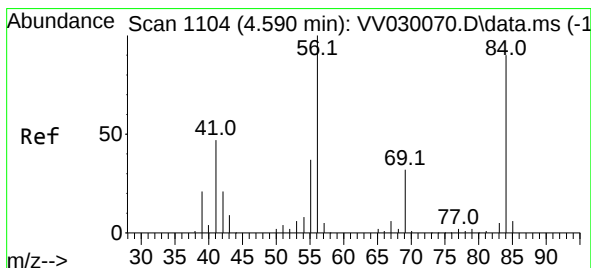
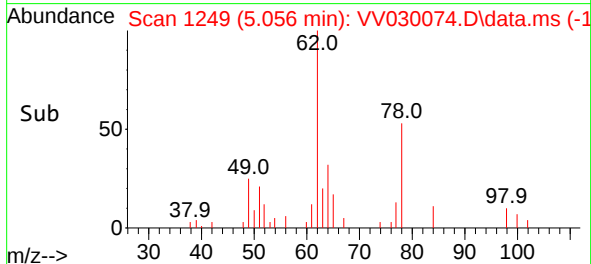
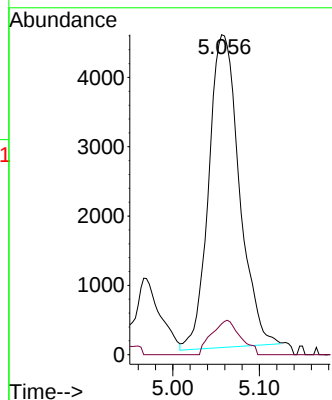
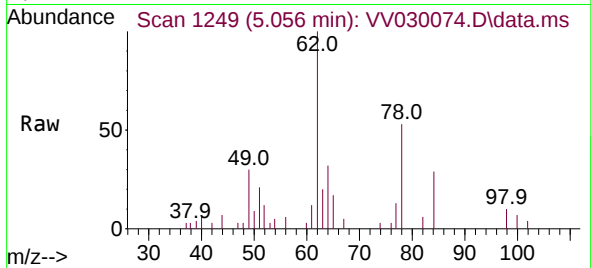




#27
1,2-Dichloroethane
Concen: 2.633 ug/L
RT: 5.056 min Scan# 1106
Delta R.T. 0.010 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

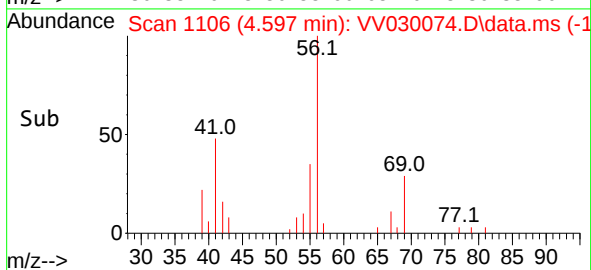
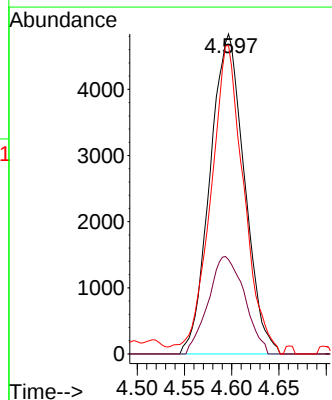
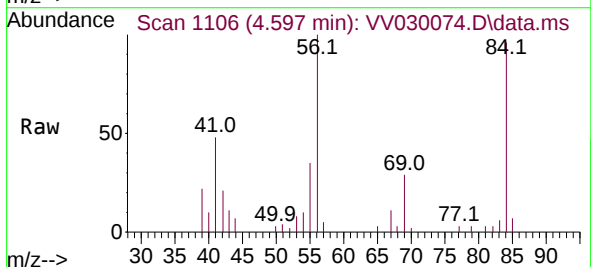
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

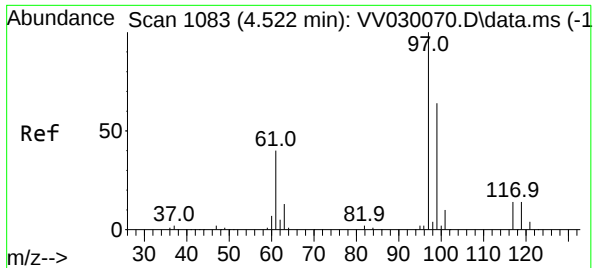
Tgt Ion: 62 Resp: 11100
Ion Ratio Lower Upper
62 100
98 9.6 8.5 12.7



#29
Cyclohexane
Concen: 2.572 ug/L
RT: 4.597 min Scan# 1106
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 56 Resp: 12261
Ion Ratio Lower Upper
56 100
69 32.0 25.3 37.9
84 92.2 73.0 109.4





#30

1,1,1-Trichloroethane

Concen: 2.640 ug/L

RT: 4.523 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

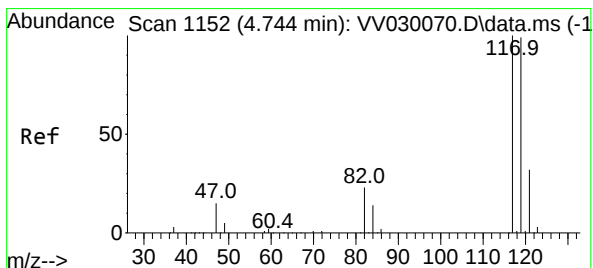
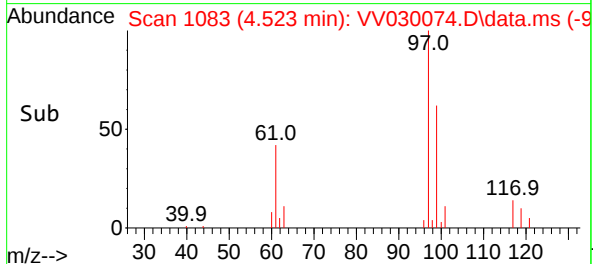
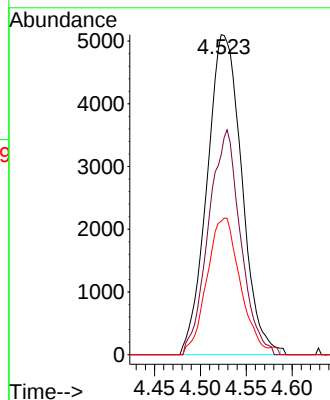
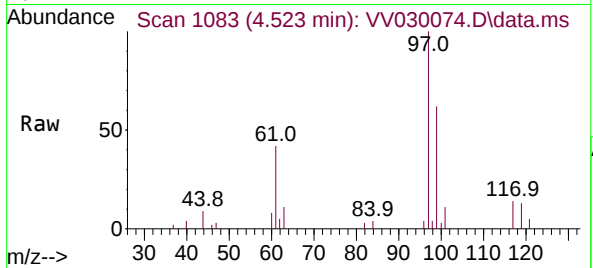
Tgt Ion: 97 Resp: 13415

Ion Ratio Lower Upper

97 100

99 64.9 50.7 76.1

61 41.0 31.6 47.4



#31

Carbon tetrachloride

Concen: 2.519 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VV030074.D

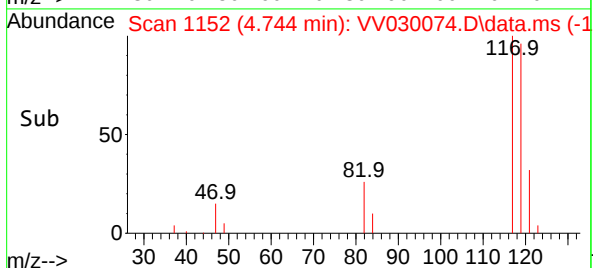
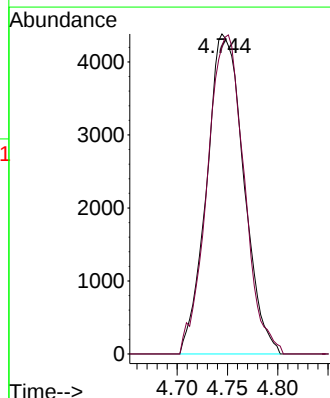
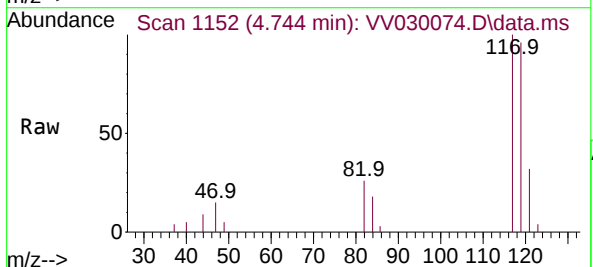
Acq: 20 Feb 2023 13:27

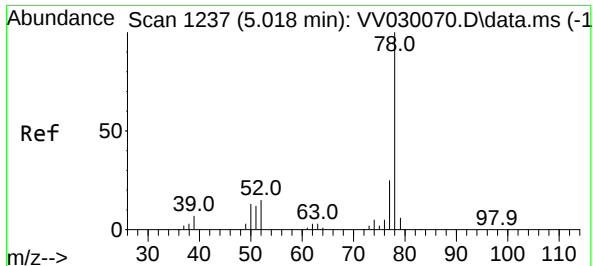
Tgt Ion: 117 Resp: 11237

Ion Ratio Lower Upper

117 100

119 98.8 76.8 115.2

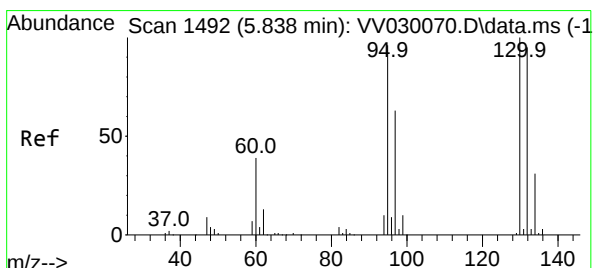
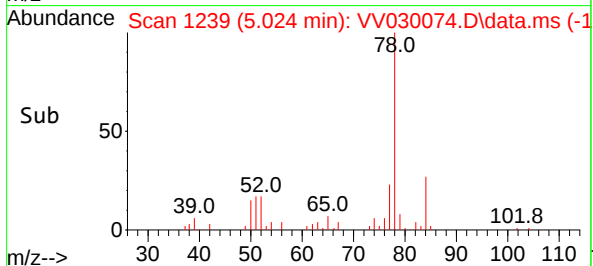
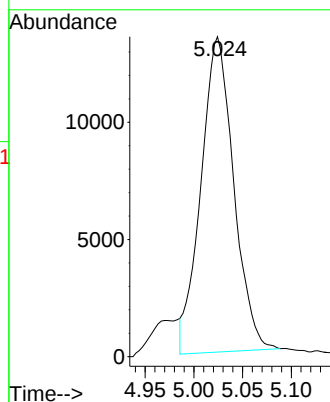
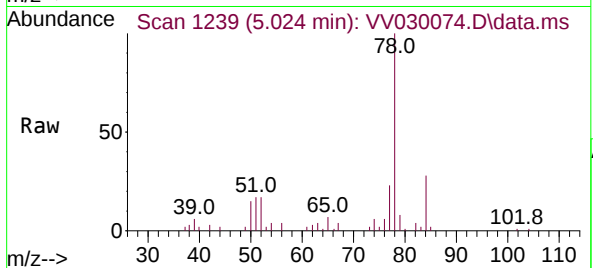




#33
Benzene
Concen: 2.609 ug/L
RT: 5.024 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

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

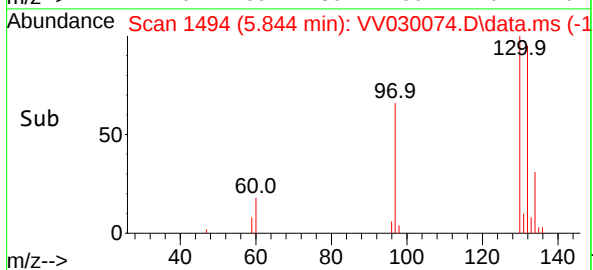
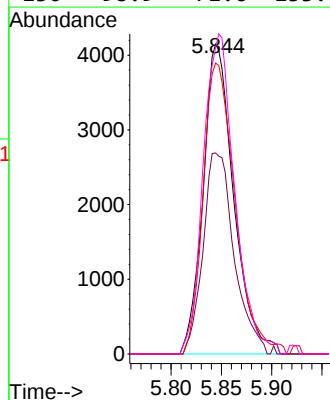
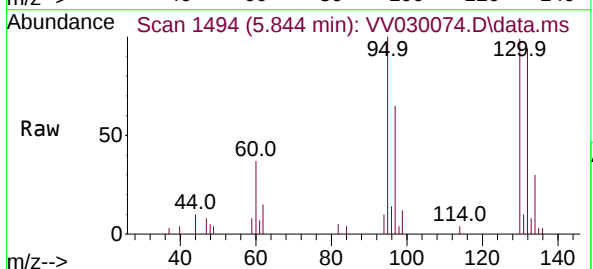
Tgt Ion: 78 Resp: 31484

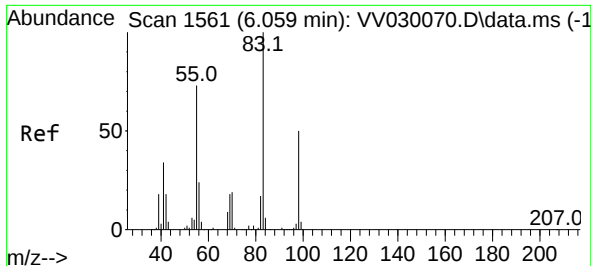


#34
Trichloroethene
Concen: 2.679 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 95 Resp: 8800

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.1	81.9
132	93.9	68.3	126.9
130	98.9	71.6	133.0

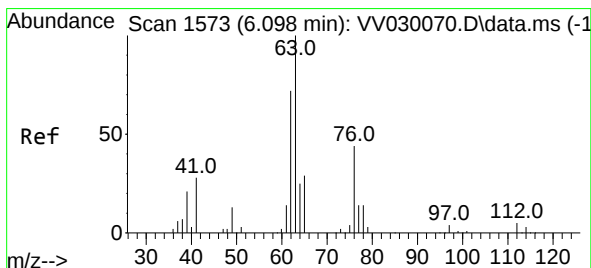
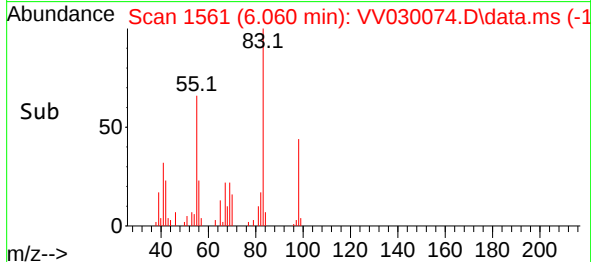
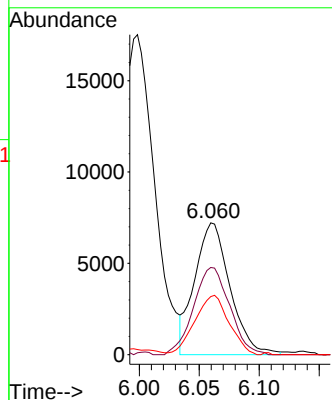
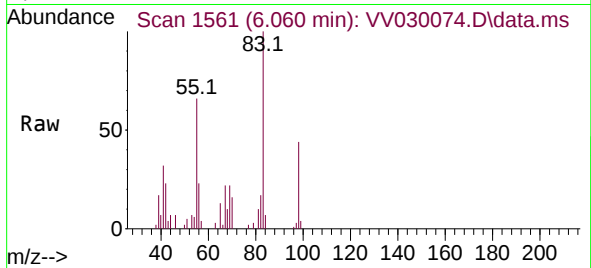




#35
Methylcyclohexane
Concen: 2.836 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

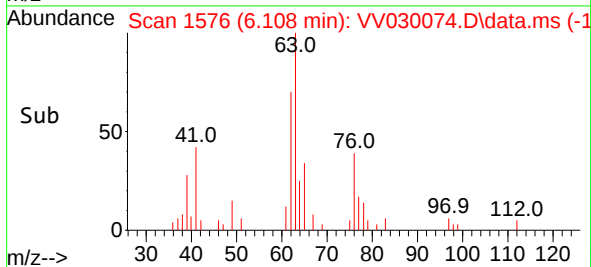
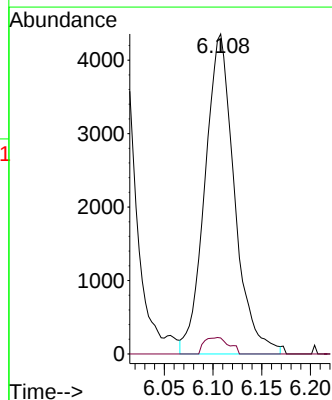
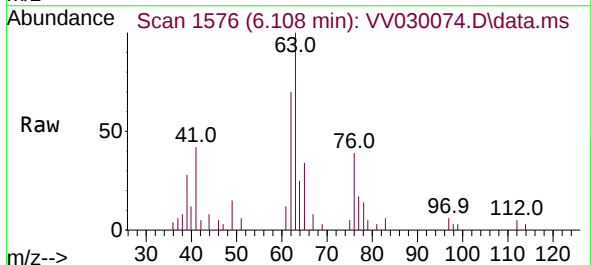
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

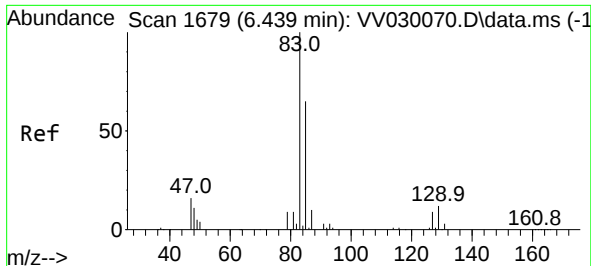
Tgt Ion:	83	Resp:	14787
Ion	Ratio	Lower	Upper
83	100		
55	67.6	58.4	87.6
98	43.7	39.8	59.8



#37
1,2-Dichloropropane
Concen: 2.885 ug/L
RT: 6.108 min Scan# 1576
Delta R.T. 0.010 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion:	63	Resp:	9169
Ion	Ratio	Lower	Upper
63	100		
112	3.8	3.7	5.5

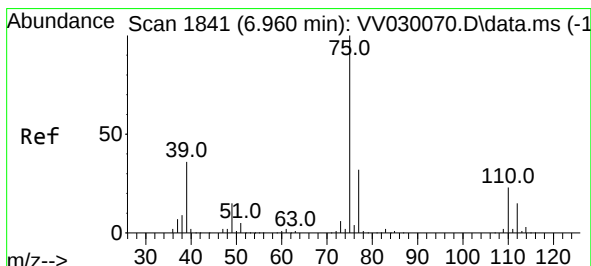
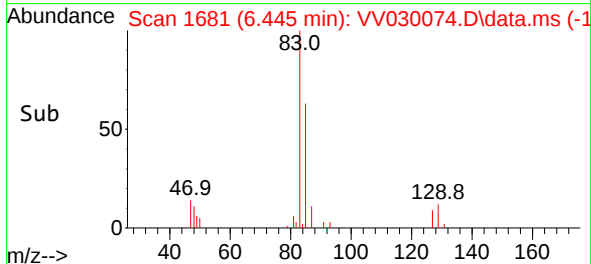
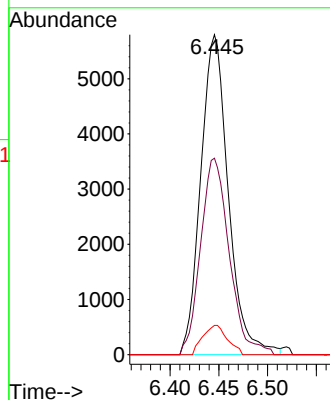
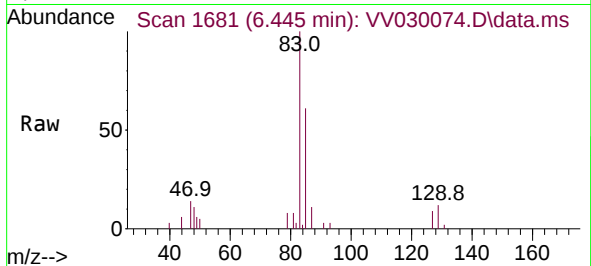




#38
Bromodichloromethane
Concen: 2.677 ug/L
RT: 6.445 min Scan# 11426
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

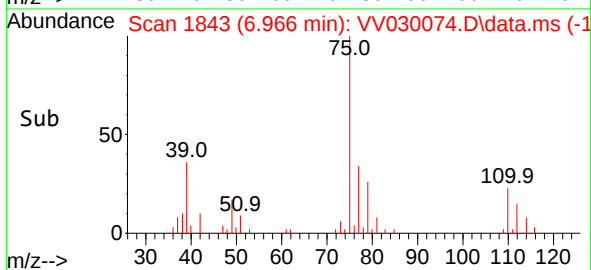
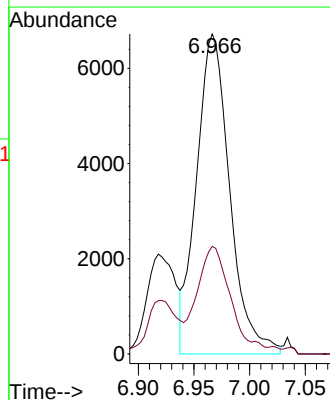
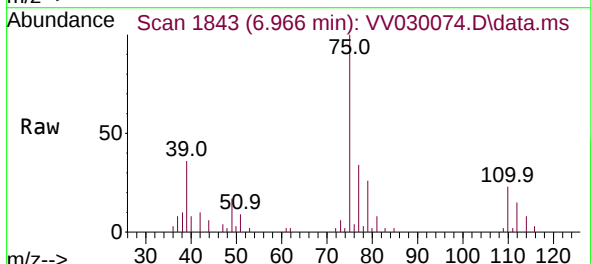
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

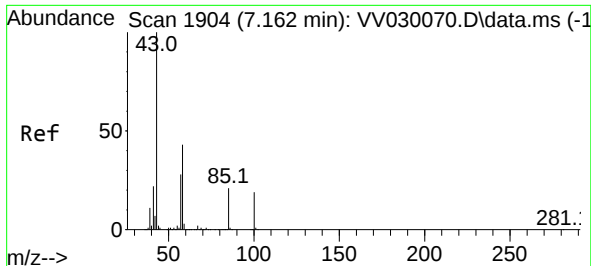
Tgt Ion:	83	Resp:	11426
Ion	Ratio	Lower	Upper
83	100		
85	61.4	44.9	83.5
127	9.2	6.8	10.2



#39
cis-1,3-Dichloropropene
Concen: 2.613 ug/L
RT: 6.966 min Scan# 1843
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion:	75	Resp:	13960
Ion	Ratio	Lower	Upper
75	100		
77	33.6	22.4	41.6





#40

4-Methyl-2-pentanone

Concen: 4.813 ug/L

RT: 7.169 min Scan# 1904

Delta R.T. 0.007 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

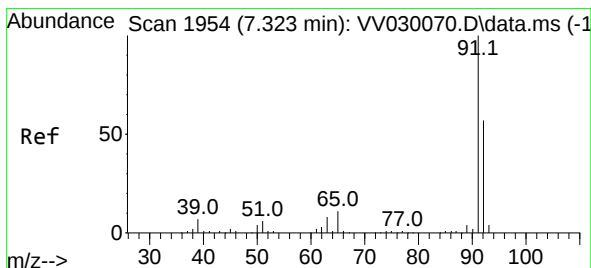
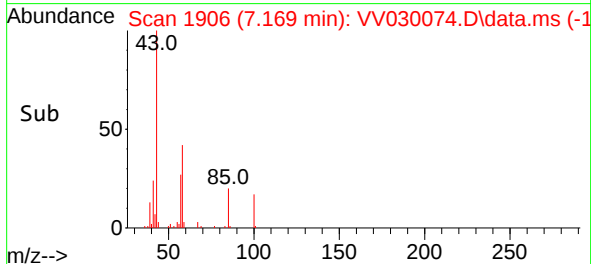
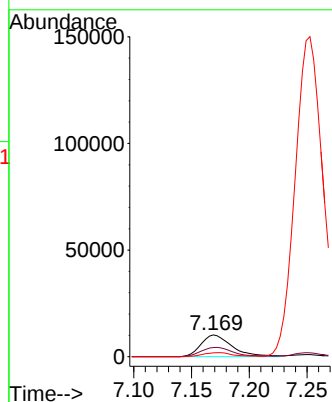
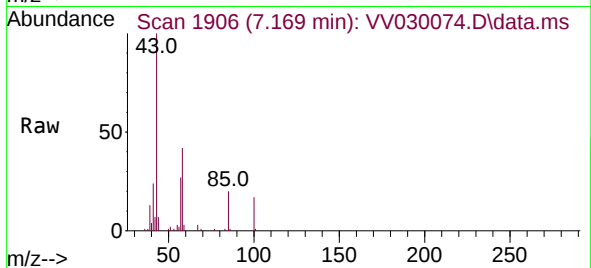
Tgt Ion: 43 Resp: 19018

Ion Ratio Lower Upper

43 100

58 45.0 34.8 52.2

100 18.4 14.6 22.0



#42

Toluene

Concen: 2.713 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.003 min

Lab File: VV030074.D

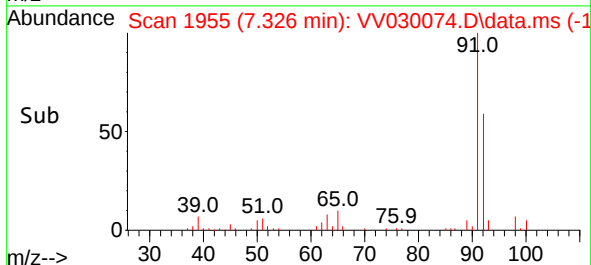
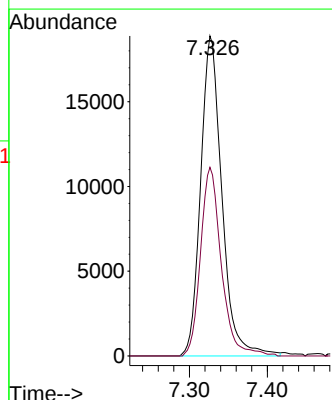
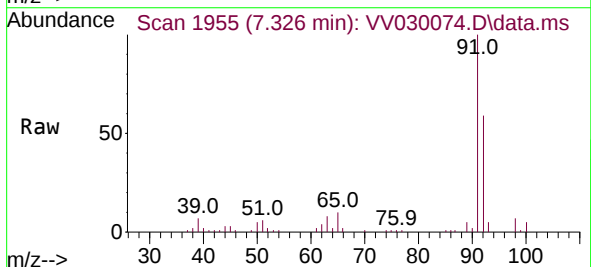
Acq: 20 Feb 2023 13:27

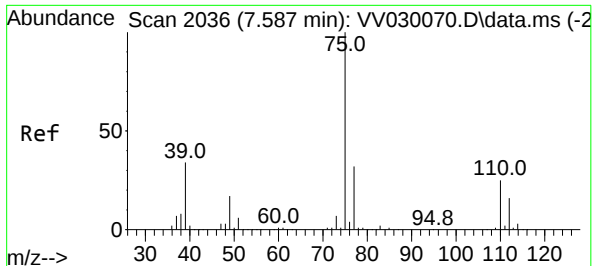
Tgt Ion: 91 Resp: 35823

Ion Ratio Lower Upper

91 100

92 59.0 40.3 74.9

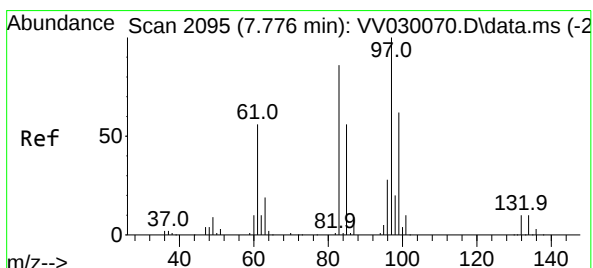
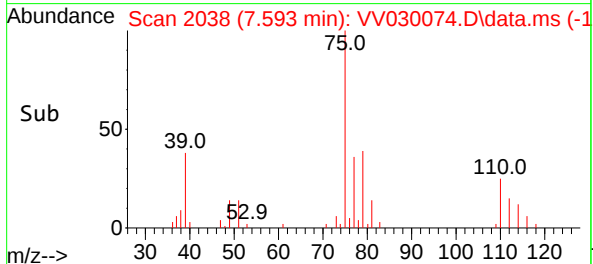
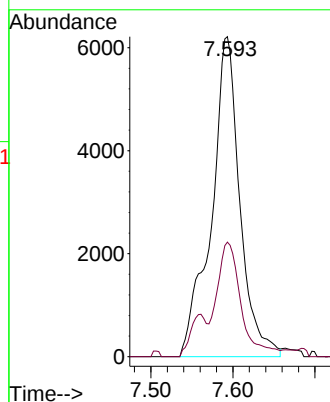
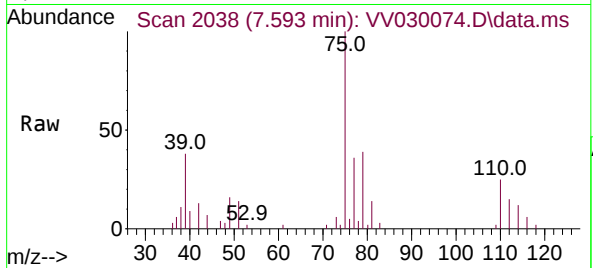




#44
trans-1,3-Dichloropropene
Concen: 3.089 ug/L
RT: 7.593 min Scan# 2038
Delta R.T. 0.007 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

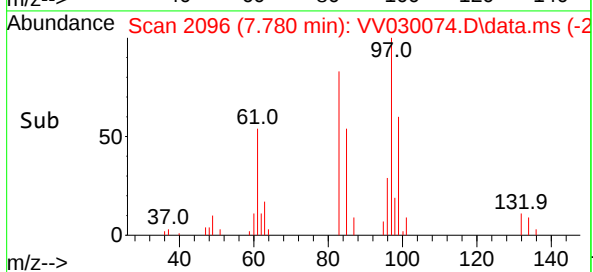
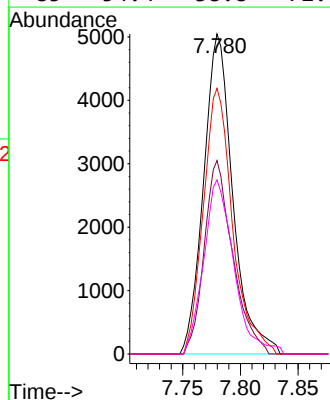
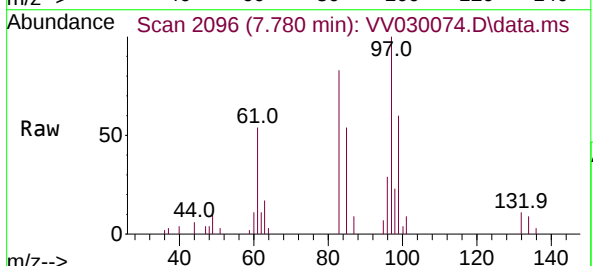
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

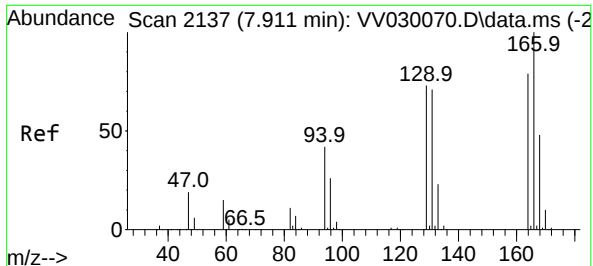
Tgt Ion: 75 Resp: 15010
Ion Ratio Lower Upper
75 100
77 35.8 22.3 41.5



#45
1,1,2-Trichloroethane
Concen: 2.696 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 97 Resp: 8892
Ion Ratio Lower Upper
97 100
99 60.4 43.8 81.4
83 83.0 59.9 111.3
85 54.4 38.8 72.0

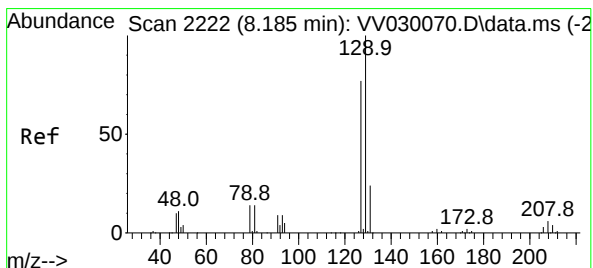
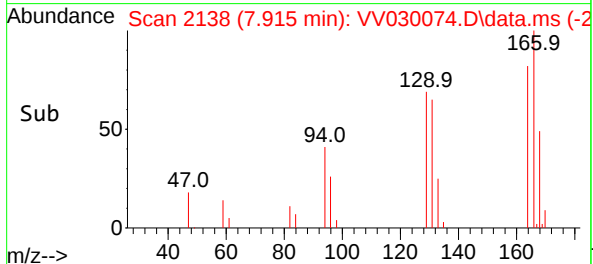
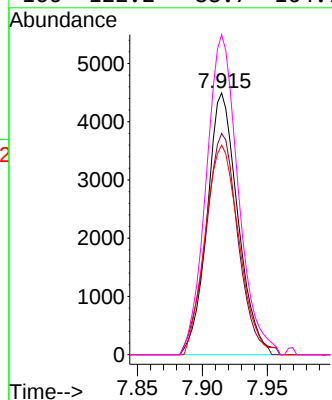
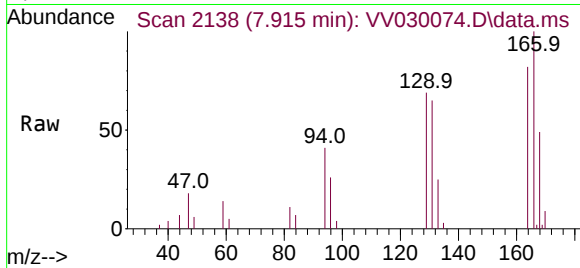




#46
Tetrachloroethene
Concen: 2.682 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

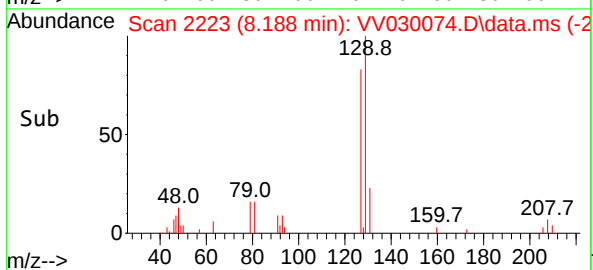
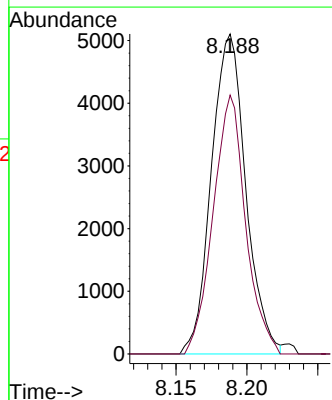
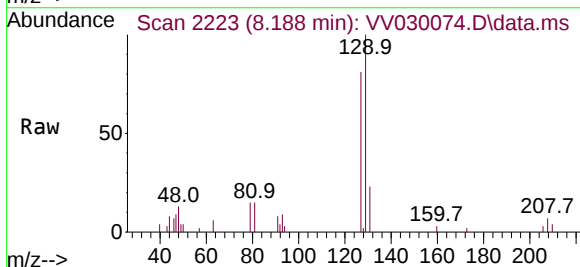
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

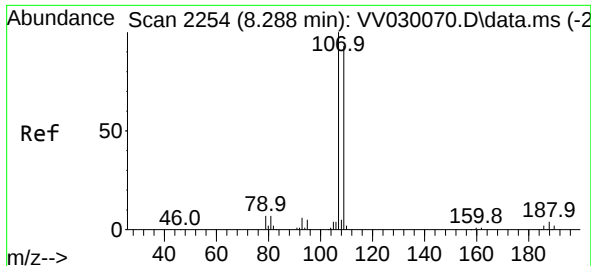
Tgt Ion:164	Resp:	7406
Ion	Ratio	Lower Upper
164	100	
129	84.5	65.2 121.0
131	80.0	63.1 117.3
166	122.2	88.7 164.7



#49
Dibromochloromethane
Concen: 2.523 ug/L
RT: 8.188 min Scan# 2223
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion:129	Resp:	8627
Ion	Ratio	Lower Upper
129	100	
127	80.9	54.9 102.1





#50

1,2-Dibromoethane

Concen: 2.611 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

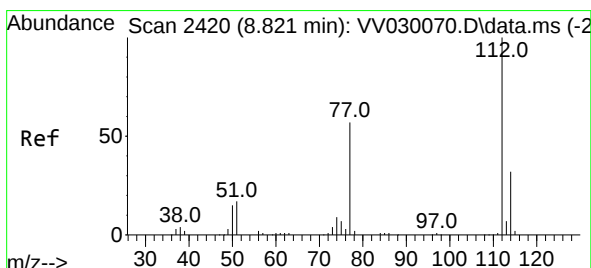
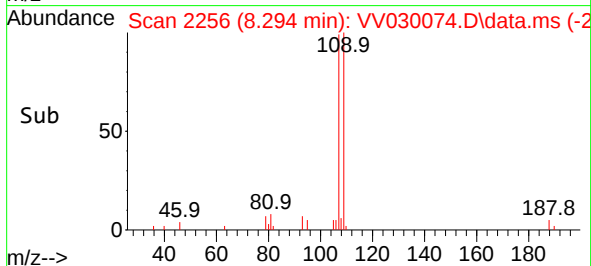
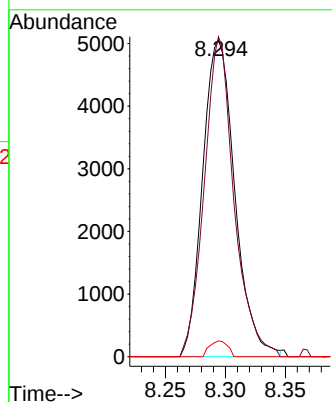
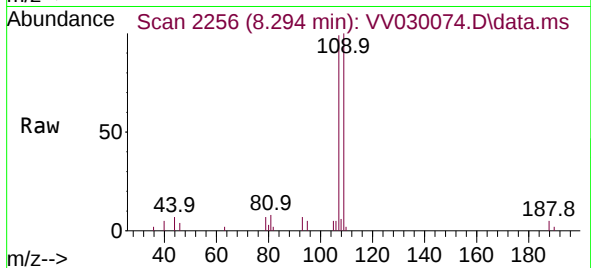
Tgt Ion:107 Resp: 9448

Ion Ratio Lower Upper

107 100

109 101.0 66.0 122.6

188 5.0 3.4 5.0



#51

Chlorobenzene

Concen: 2.698 ug/L

RT: 8.825 min Scan# 2421

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

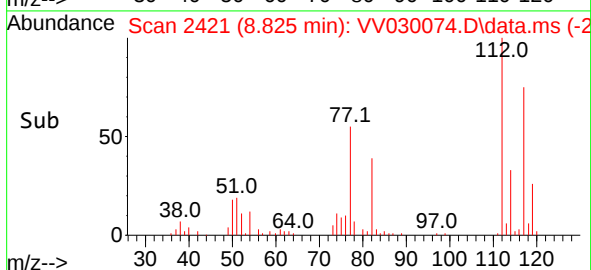
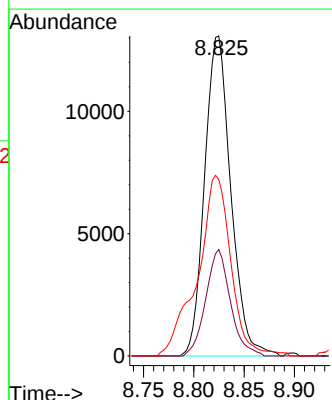
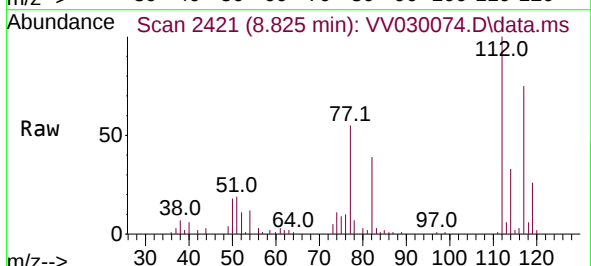
Tgt Ion:112 Resp: 23741

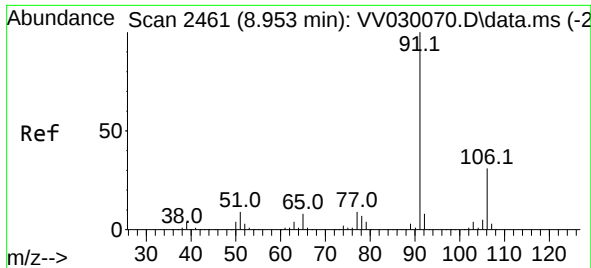
Ion Ratio Lower Upper

112 100

114 33.2 22.3 41.3

77 55.2 46.0 69.0

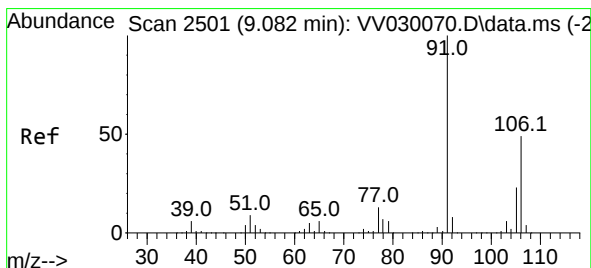
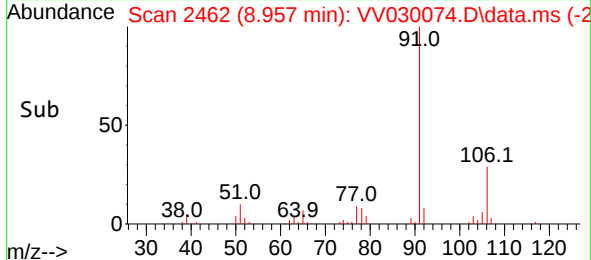
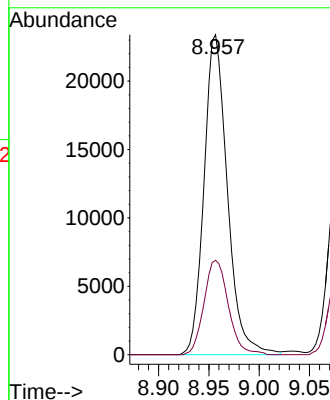
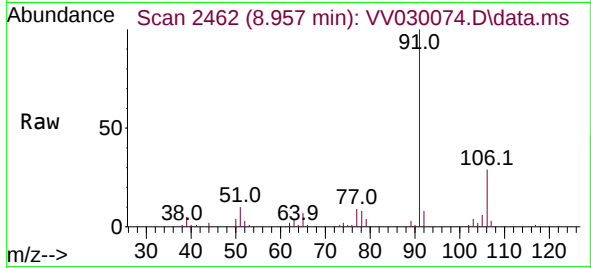




#52
Ethylbenzene
Concen: 2.590 ug/L
RT: 8.957 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

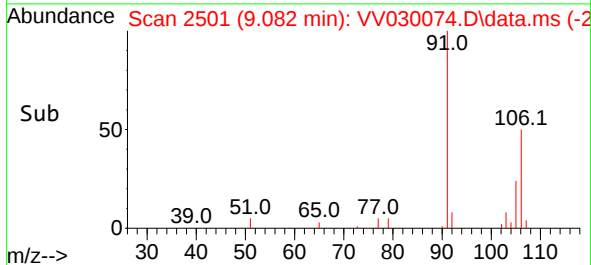
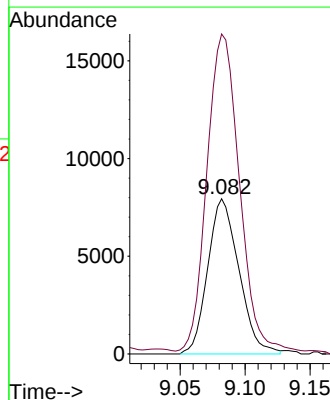
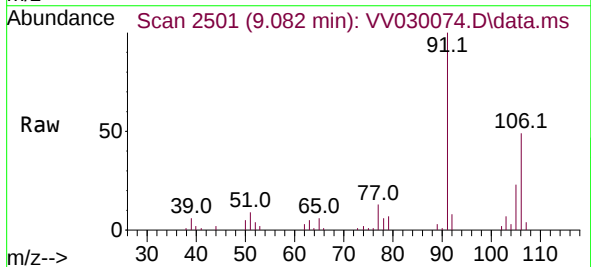
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

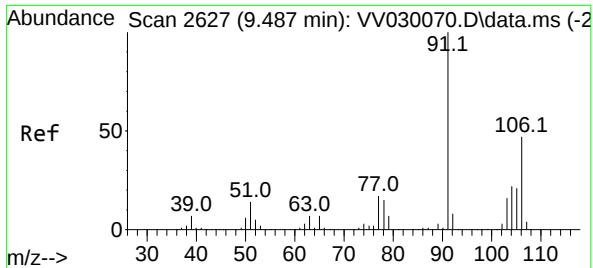
Tgt Ion: 91 Resp: 37862
Ion Ratio Lower Upper
91 100
106 29.5 22.0 40.8



#53
m,p-Xylene
Concen: 2.374 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 106 Resp: 13263
Ion Ratio Lower Upper
106 100
91 206.2 142.0 263.8

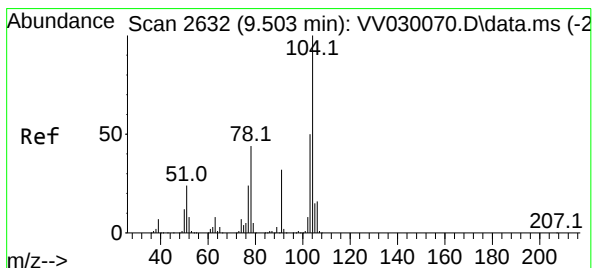
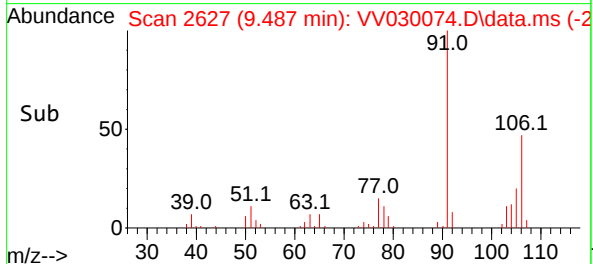
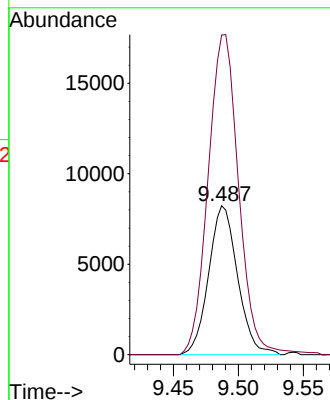
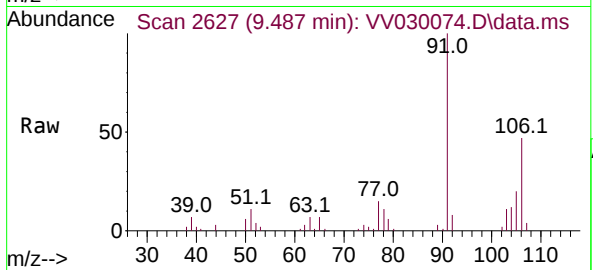




#54
o-Xylene
Concen: 2.366 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

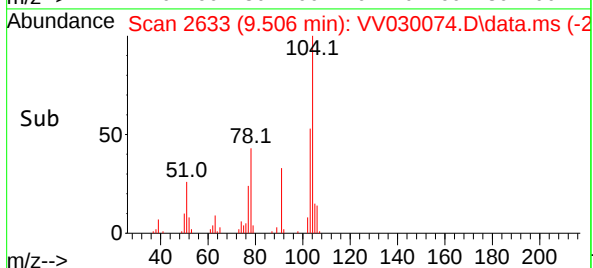
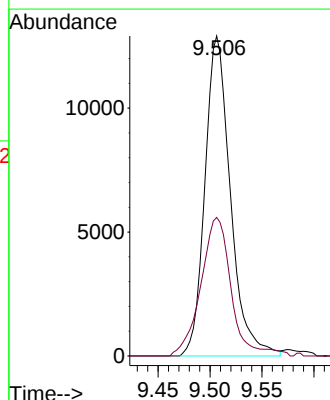
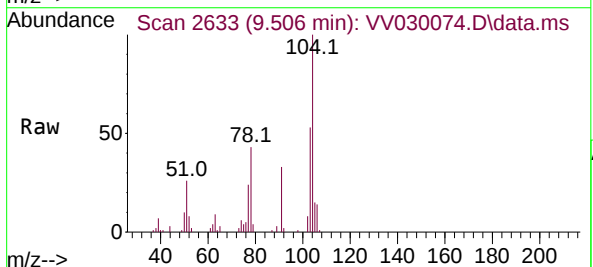
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

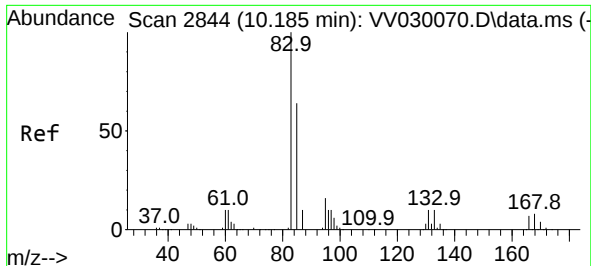
Tgt Ion:106 Resp: 12739
Ion Ratio Lower Upper
106 100
91 214.6 151.5 281.3



#55
Styrene
Concen: 2.396 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion:104 Resp: 22036
Ion Ratio Lower Upper
104 100
78 43.3 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 2.756 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

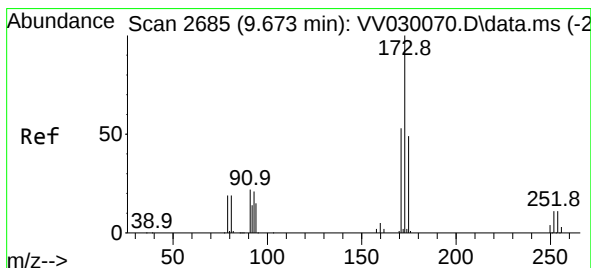
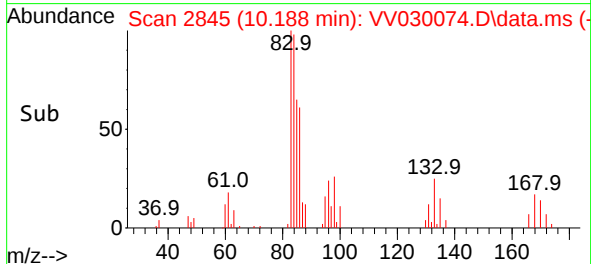
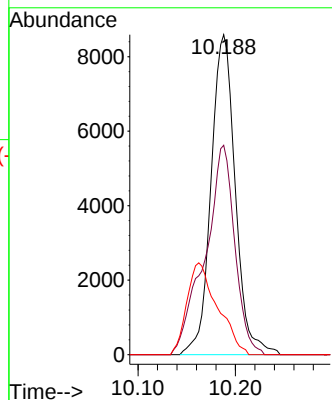
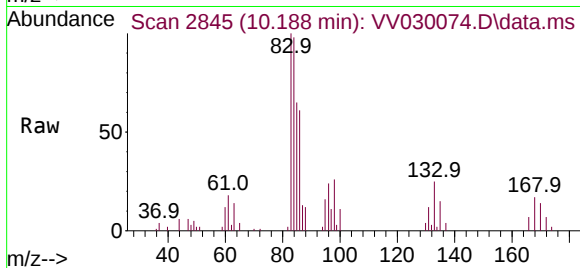
Tgt Ion: 83 Resp: 14858

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5

131 12.1 8.3 12.5



#59

Bromoform

Concen: 2.800 ug/L

RT: 9.677 min Scan# 2686

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

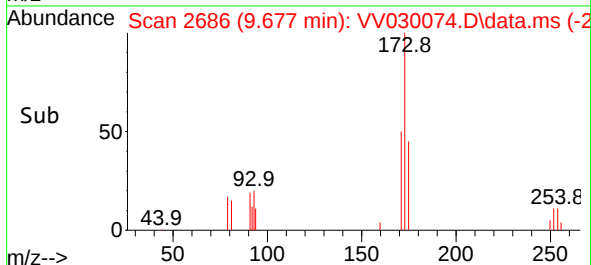
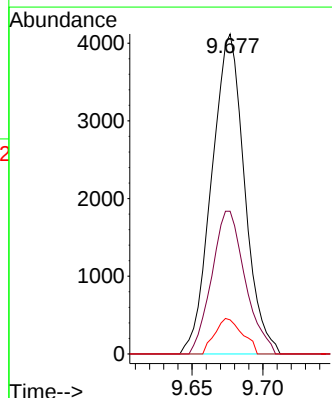
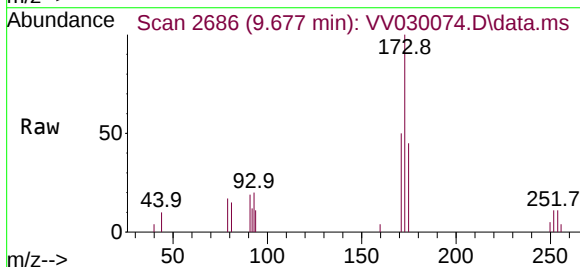
Tgt Ion: 173 Resp: 6630

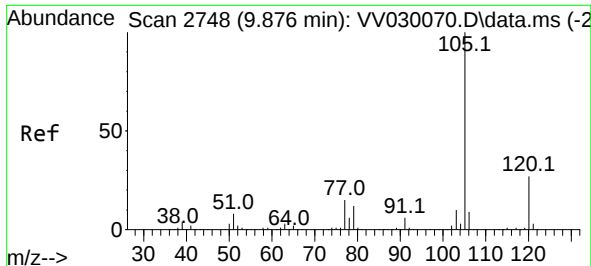
Ion Ratio Lower Upper

173 100

175 45.4 38.7 58.1

254 9.3 8.7 13.1

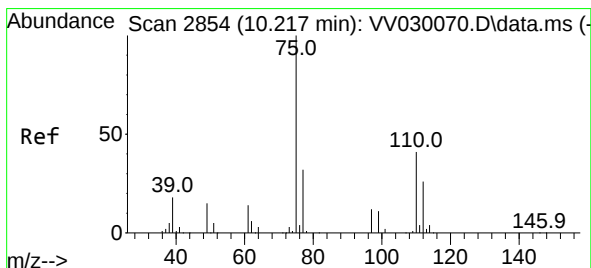
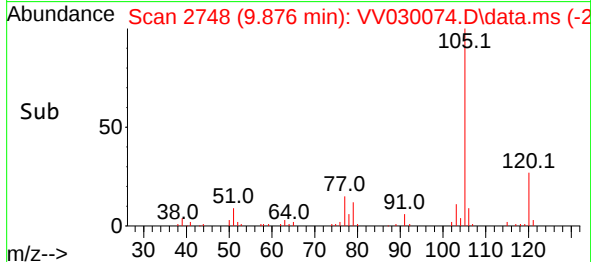
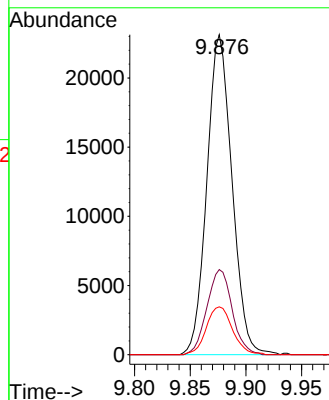
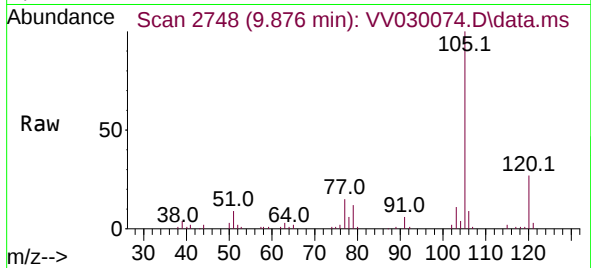




#60
Isopropylbenzene
Concen: 2.551 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

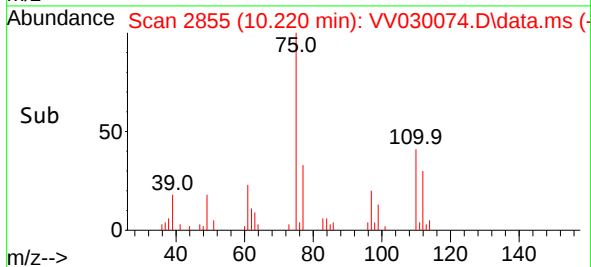
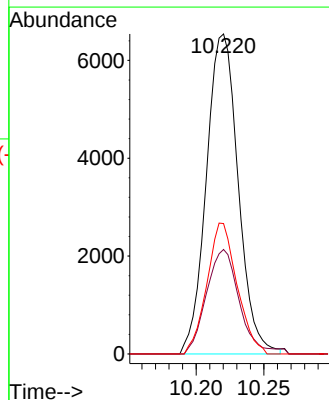
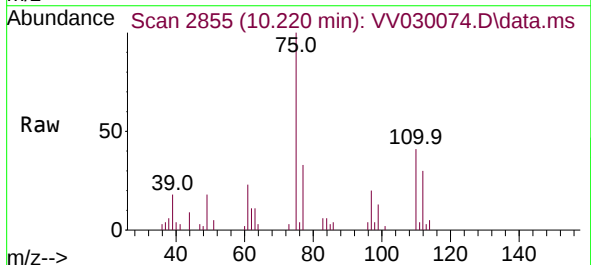
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

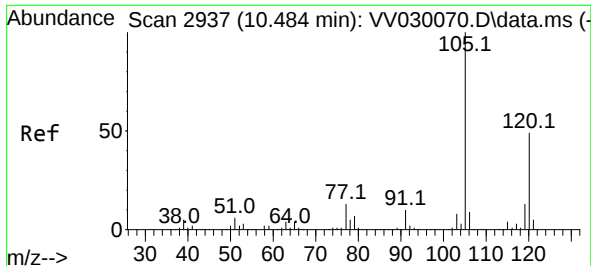
Tgt Ion:105 Resp: 36270
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 15.5 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 2.700 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 75 Resp: 10679
Ion Ratio Lower Upper
75 100
77 33.4 25.9 38.9
110 38.6 32.1 48.1





#62

1,3,5-Trimethylbenzene

Concen: 2.402 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

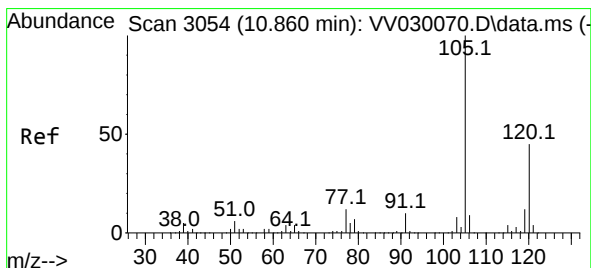
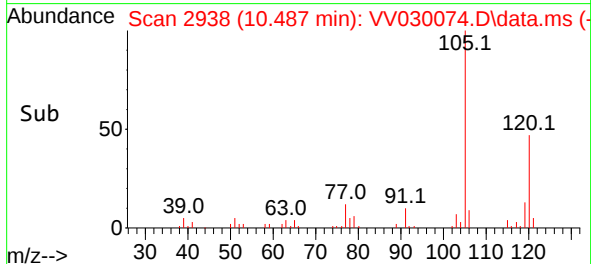
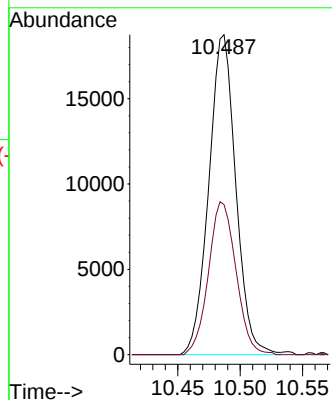
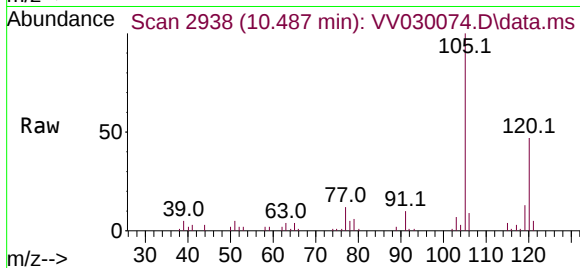
MDL-MED-SOIL-QT1-2023-01

Tgt Ion:105 Resp: 28284

Ion Ratio Lower Upper

105 100

120 48.7 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 2.393 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030074.D

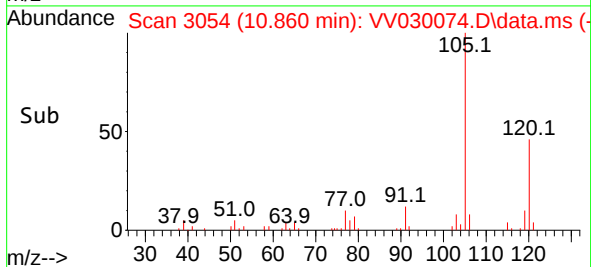
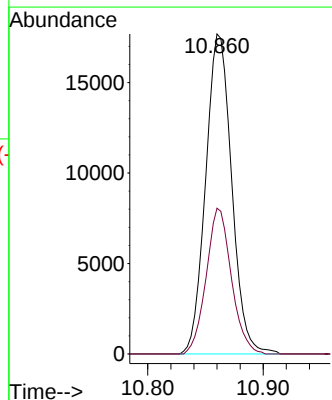
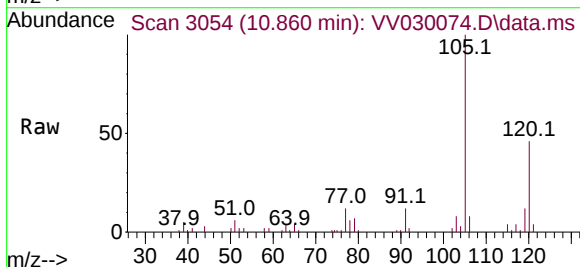
Acq: 20 Feb 2023 13:27

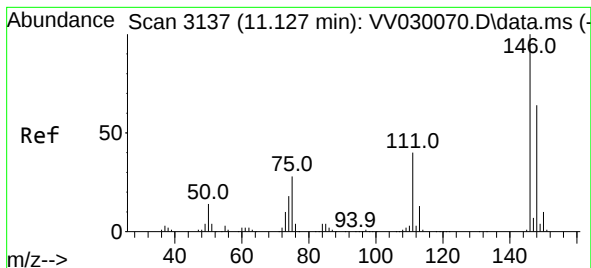
Tgt Ion:105 Resp: 27694

Ion Ratio Lower Upper

105 100

120 44.0 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 2.657 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.000 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

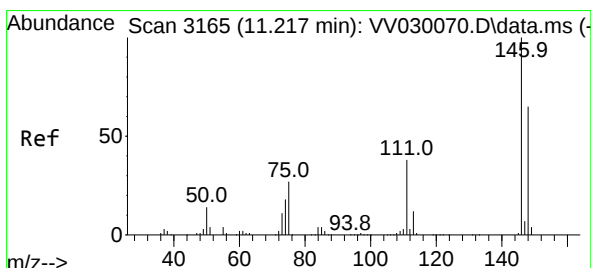
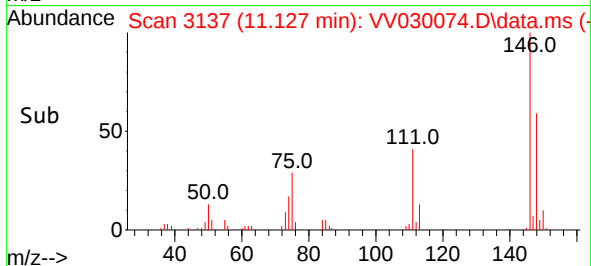
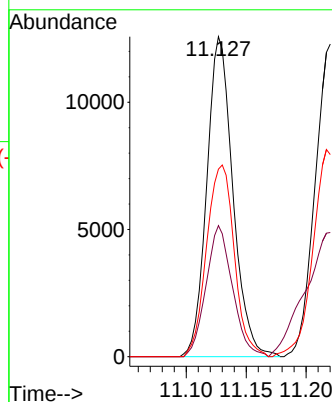
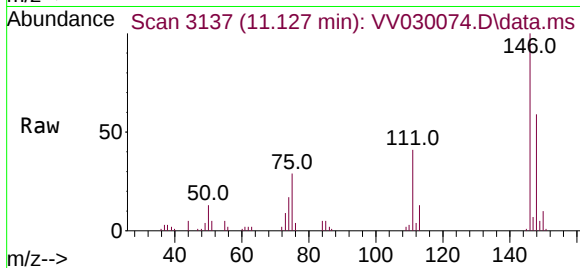
Tgt Ion:146 Resp: 19040

Ion Ratio Lower Upper

146 100

111 41.0 28.2 52.4

148 58.6 45.3 84.1



#65

1,4-Dichlorobenzene

Concen: 2.726 ug/L

RT: 11.220 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VV030074.D

Acq: 20 Feb 2023 13:27

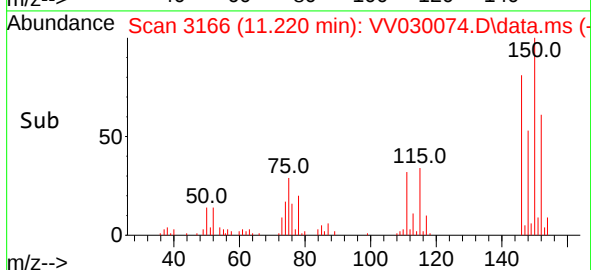
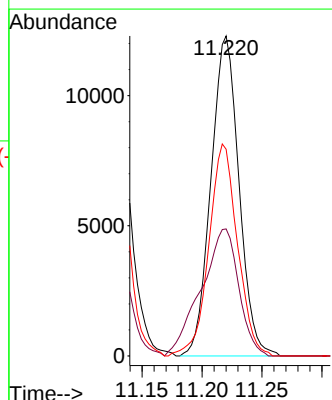
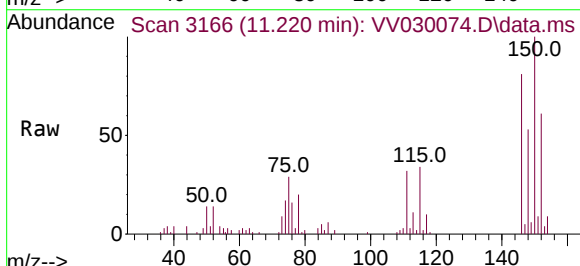
Tgt Ion:146 Resp: 19982

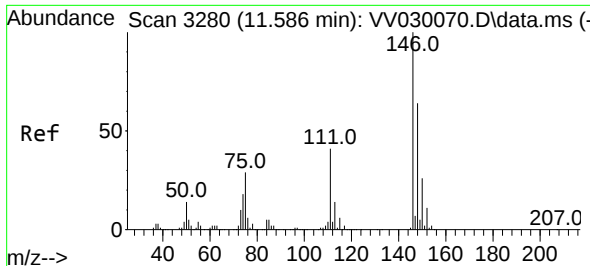
Ion Ratio Lower Upper

146 100

111 39.7 27.1 50.3

148 64.6 44.9 83.5

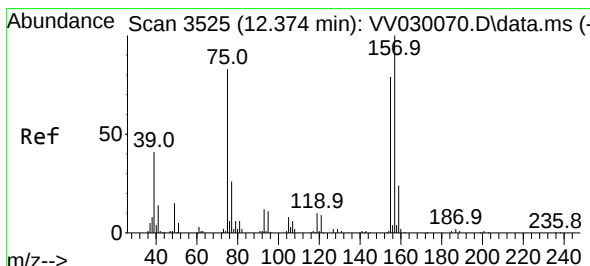
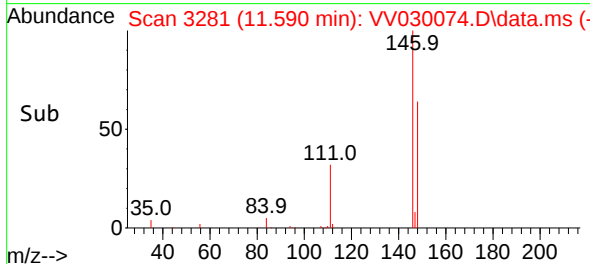
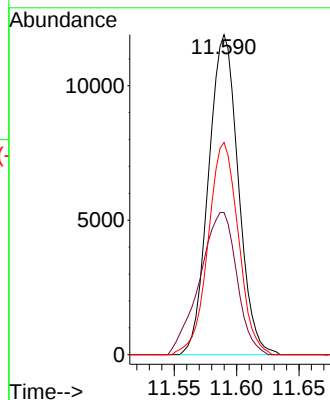
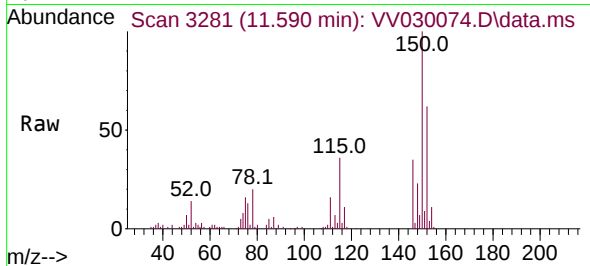




#67
1,2-Dichlorobenzene
Concen: 2.773 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

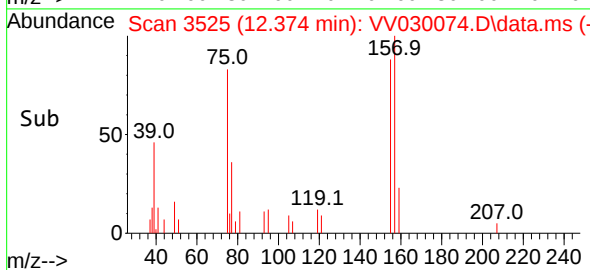
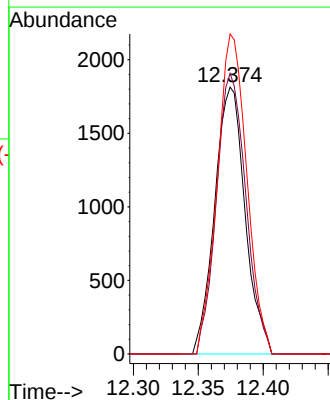
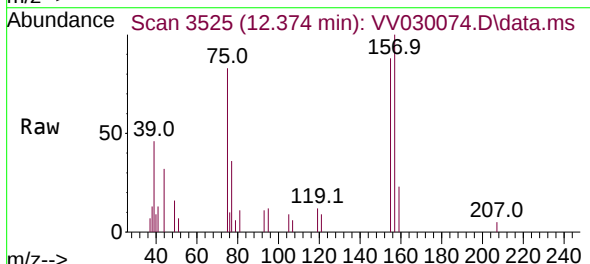
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

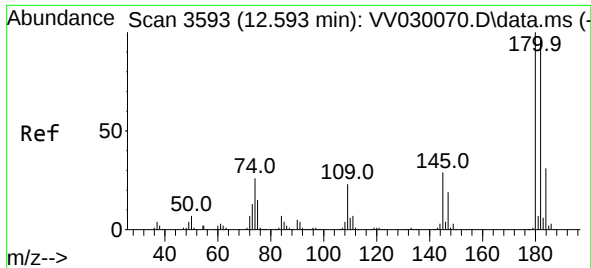
Tgt Ion:146 Resp: 19783
Ion Ratio Lower Upper
146 100
111 44.4 33.0 49.4
148 66.3 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 2.563 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion: 75 Resp: 2958
Ion Ratio Lower Upper
75 100
155 105.1 76.2 114.2
157 119.9 96.0 144.0

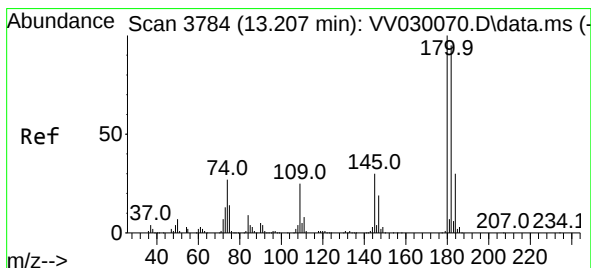
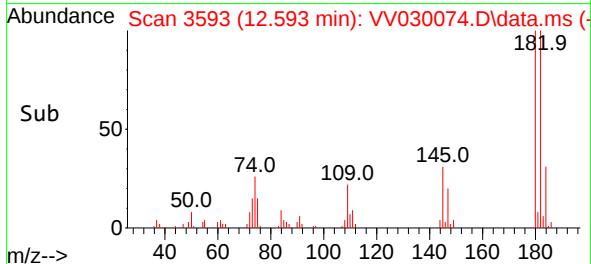
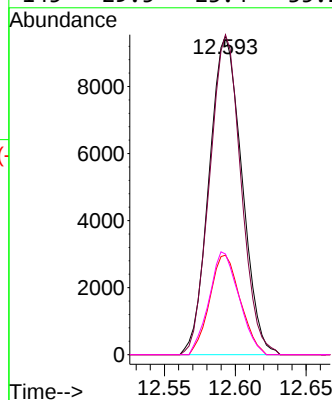
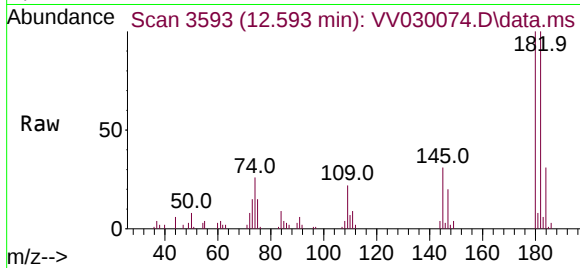




#69
 1,3,5-Trichlorobenzene
 Concen: 2.666 ug/L
 RT: 12.593 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030074.D
 Acq: 20 Feb 2023 13:27

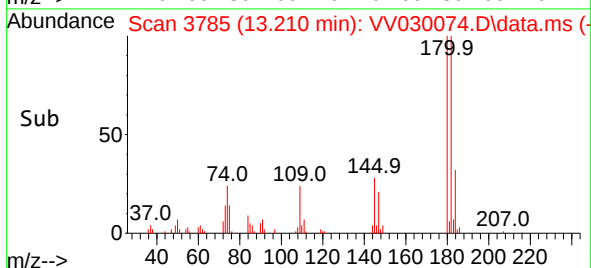
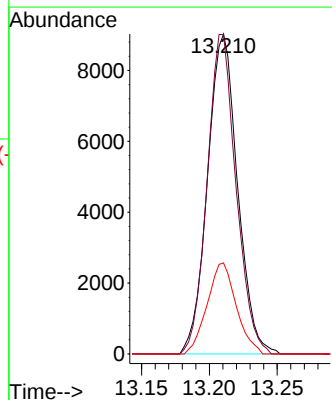
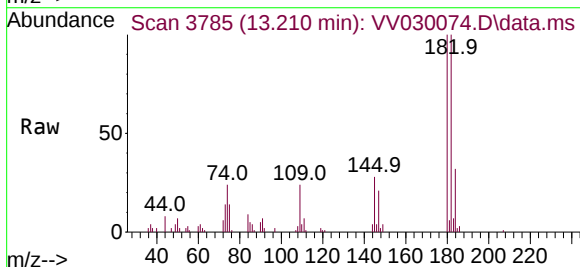
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

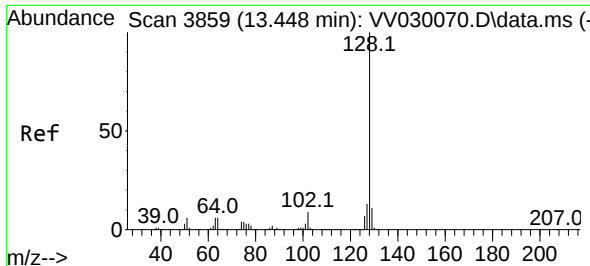
Tgt Ion:	180	Resp:	15245
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.4	114.6
184	29.2	24.5	36.7
145	29.5	23.4	35.2



#70
 1,2,4-trichlorobenzene
 Concen: 2.588 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.003 min
 Lab File: VV030074.D
 Acq: 20 Feb 2023 13:27

Tgt Ion:	180	Resp:	13907
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.6	114.8
145	27.6	24.3	36.5

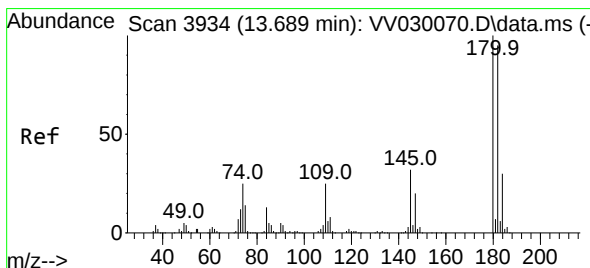
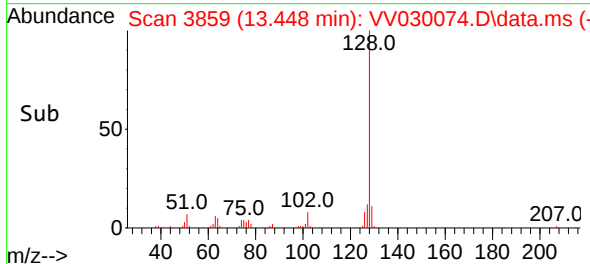
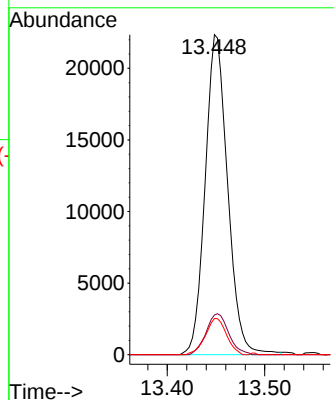
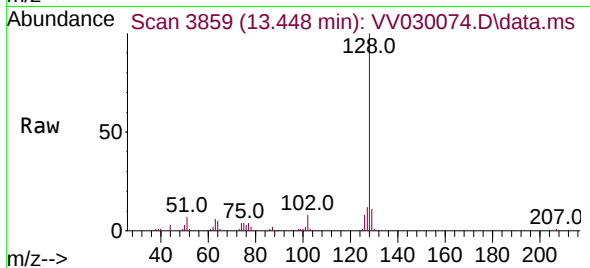




#71
Naphthalene
Concen: 2.298 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

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

Tgt Ion:	128	Resp:	35818
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.6	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.559 ug/L
RT: 13.693 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030074.D
Acq: 20 Feb 2023 13:27

Tgt Ion:	180	Resp:	13498
Ion Ratio	Lower	Upper	
180	100		
182	92.6	75.8	113.8
145	30.7	25.0	37.6

