

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090922\
 Data File : VU050702.D
 Acq On : 09 Sep 2022 15:11
 Operator : SY/MD
 Sample : N4519-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

Quant Time: Sep 10 01:45:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 10 01:20:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	321319	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	324604	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	124614	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84245	30.654	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.300%
7) Chloroethane-d5	1.906	69	71259	38.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.680%
11) 1,1-Dichloroethene-d2	2.565	63	138466	28.511	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.020%#
21) 2-Butanone-d5	4.623	46	185831	92.420	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.420%
24) Chloroform-d	5.063	84	230281	44.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.420%
26) 1,2-Dichloroethane-d4	5.700	65	146378	45.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.980%
32) Benzene-d6	5.726	84	434578	40.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.020%
36) 1,2-Dichloropropane-d6	6.690	67	148930	42.287	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.580%
41) Toluene-d8	7.899	98	364974	39.786	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.580%#
43) trans-1,3-Dichloroprop...	8.179	79	62200	42.684	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.360%
47) 2-Hexanone-d5	8.632	63	72527	81.869	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.870%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	238555	44.760	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.520%
66) 1,2-Dichlorobenzene-d4	12.195	152	131317	45.016	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5229m	1.694	ug/L	
3) Chloromethane	1.523	50	6263m	1.878	ug/L	
5) Vinyl chloride	1.604	62	4792	1.525	ug/L #	64
6) Bromomethane	1.848	94	2555	1.612	ug/L	94
8) Chloroethane	1.928	64	2187	1.311	ug/L	99
9) Trichlorofluoromethane	2.134	101	6989	1.826	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	5483	2.184	ug/L #	85
12) 1,1-Dichloroethene	2.575	96	5455	2.236	ug/L #	1
13) Acetone	2.626	43	5312	3.502	ug/L	96
14) Carbon disulfide	2.793	76	12130	1.677	ug/L #	87
15) Methyl Acetate	2.954	43	5118	1.595	ug/L	94
16) Methylene chloride	3.044	84	6361	1.987	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	4167	1.611	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	12764	1.591	ug/L	93
19) 1,1-Dichloroethane	3.870	63	8127	1.628	ug/L	90
20) cis-1,2-Dichloroethene	4.665	96	4649	1.593	ug/L	99
22) 2-Butanone	4.710	43	10556m	4.450	ug/L	
23) Bromochloromethane	4.973	128	2940	1.949	ug/L #	78
27) 1,2-Dichloroethane	5.796	62	7239	1.921	ug/L	97

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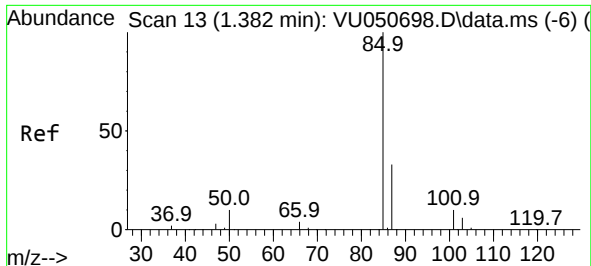
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

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 Response via : Initial Calibration

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

29) Cyclohexane	5.385	56	5542	1.275	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	7996	1.829	ug/L #	82
31) Carbon tetrachloride	5.523	117	6888	1.923	ug/L	93
33) Benzene	5.774	78	19548	1.655	ug/L	100
35) Methylcyclohexane	6.764	83	7240	1.654	ug/L	91
37) 1,2-Dichloropropane	6.790	63	5930	1.900	ug/L	98
38) Bromodichloromethane	7.105	83	6811	1.856	ug/L #	98
39) cis-1,3-Dichloropropene	7.610	75	6822	1.615	ug/L	92
40) 4-Methyl-2-pentanone	7.793	43	11952	2.811	ug/L	98
42) Toluene	7.973	91	19334	1.611	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	6764m	1.707	ug/L	
45) 1,1,2-Trichloroethane	8.401	97	5212	1.739	ug/L	93
46) Tetrachloroethene	8.555	164	3730	1.855	ug/L	90
48) 2-Hexanone	8.684	43	48045m	12.107	ug/L	
49) Dibromochloromethane	8.809	129	5166	1.807	ug/L	93
50) 1,2-Dibromoethane	8.928	107	5568	1.827	ug/L	88
51) Chlorobenzene	9.449	112	13294	1.785	ug/L	89
52) Ethylbenzene	9.571	91	17446	1.472	ug/L	95
53) m,p-Xylene	9.693	106	6248	1.376	ug/L	95
54) o-Xylene	10.098	106	5830	1.289	ug/L	97
55) Styrene	10.118	104	9549	1.284	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.780	83	10169	1.905	ug/L #	91
59) Bromoform	10.295	173	3594	1.933	ug/L	95
60) 1,2,3-Trichloropropane	10.825	75	7721	2.112	ug/L	95
61) Isopropylbenzene	10.484	105	14108	1.430	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	11405	1.352	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	10446	1.290	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	7830	1.804	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	8083	1.884	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	9028	1.953	ug/L	91
69) 1,3,5-Trichlorobenzene	13.221	180	5042	1.601	ug/L	99

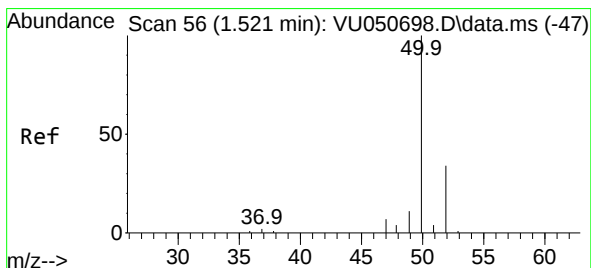
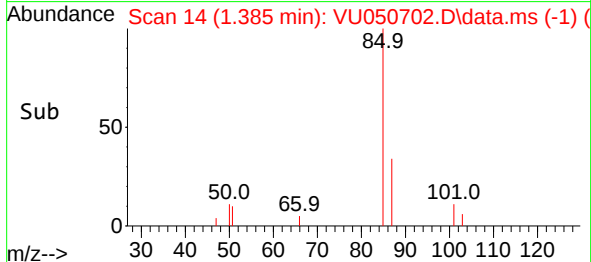
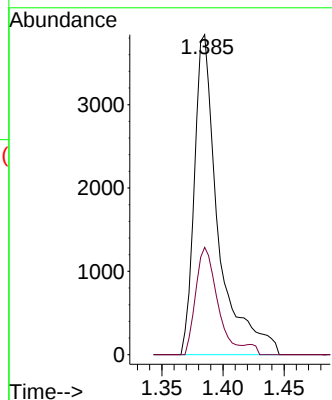
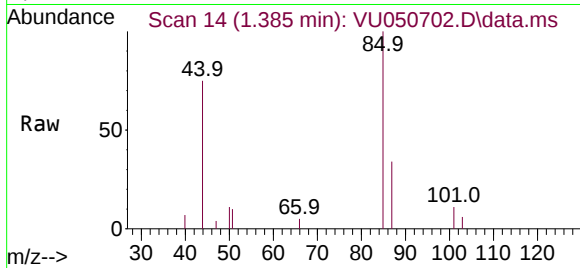
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#2
Dichlorodifluoromethane
Concen: 1.694 ug/L m
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

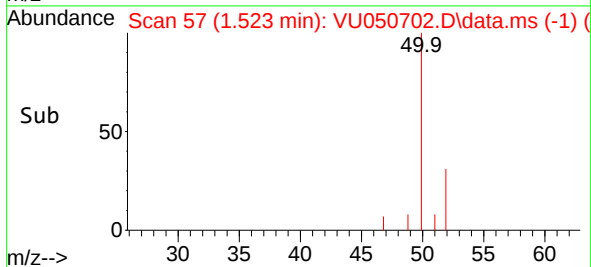
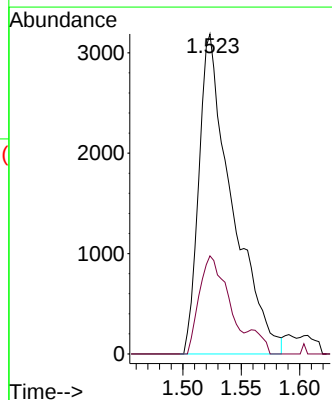
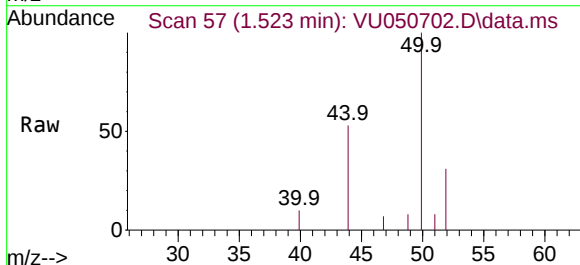
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

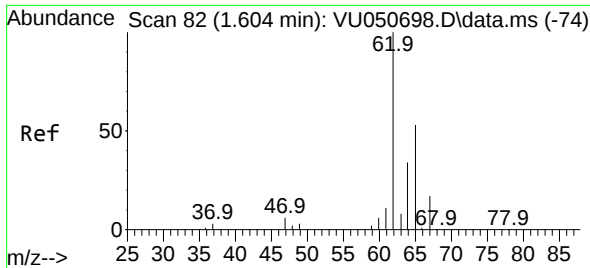
Tgt Ion: 85 Resp: 5229
Ion Ratio Lower Upper
85 100
87 30.3 25.8 38.8



#3
Chloromethane
Concen: 1.878 ug/L m
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 50 Resp: 6263
Ion Ratio Lower Upper
50 100
52 30.6 23.7 43.9

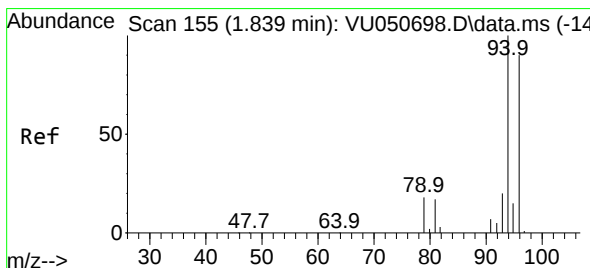
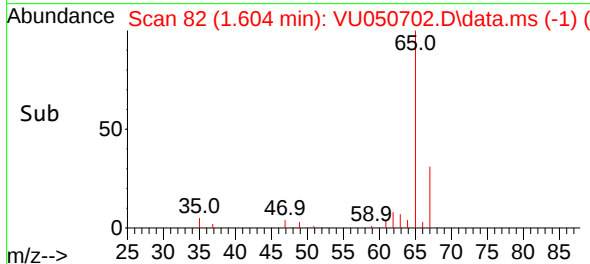
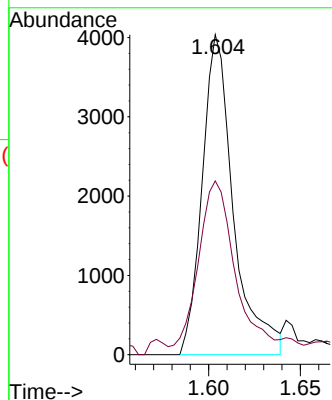
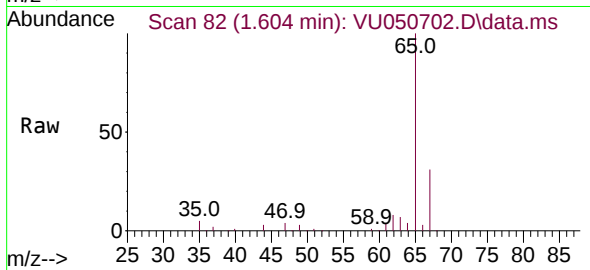




#5
 Vinyl chloride
 Concen: 1.525 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050702.D
 Acq: 09 Sep 2022 15:11

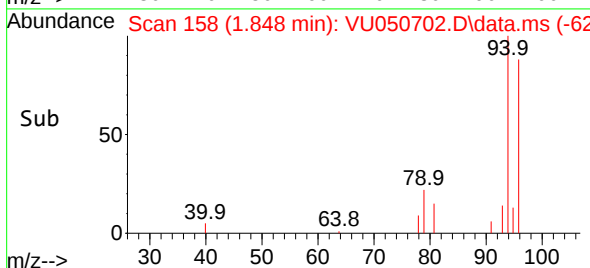
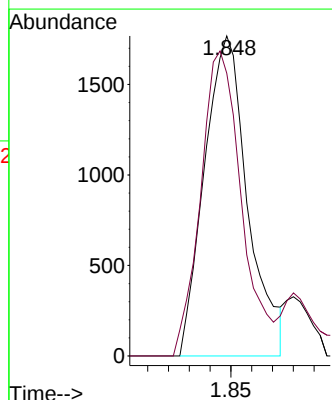
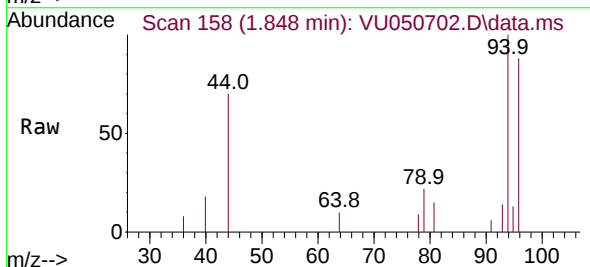
Instrument :
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 MDL-MED-SOIL-QT4-2022-07

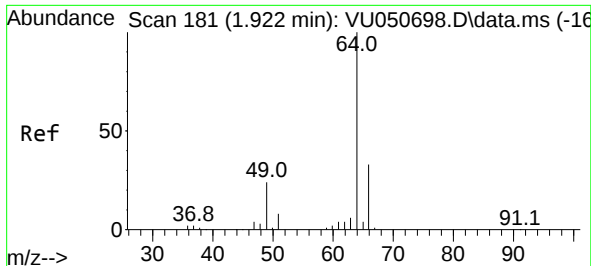
Tgt Ion: 62 Resp: 4792
 Ion Ratio Lower Upper
 62 100
 64 54.3 23.5 43.7#



#6
 Bromomethane
 Concen: 1.612 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.009 min
 Lab File: VU050702.D
 Acq: 09 Sep 2022 15:11

Tgt Ion: 94 Resp: 2555
 Ion Ratio Lower Upper
 94 100
 96 88.3 65.6 121.8

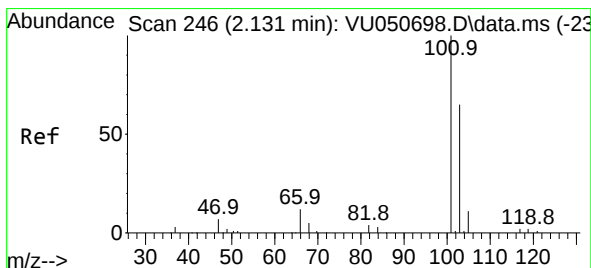
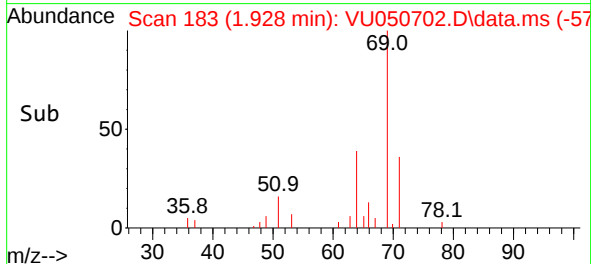
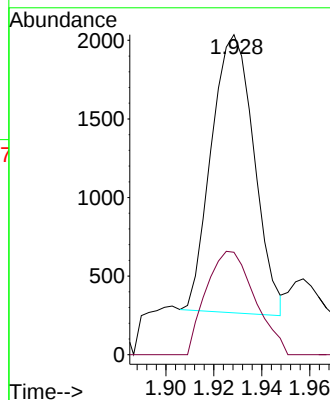
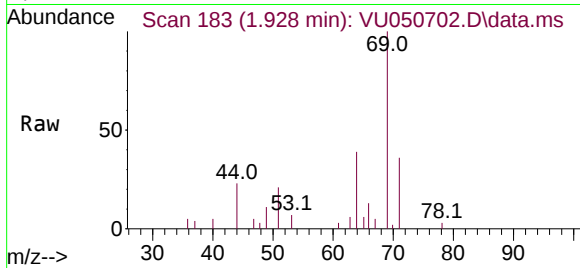




#8
Chloroethane
Concen: 1.311 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

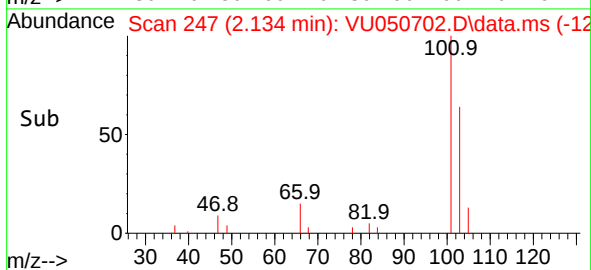
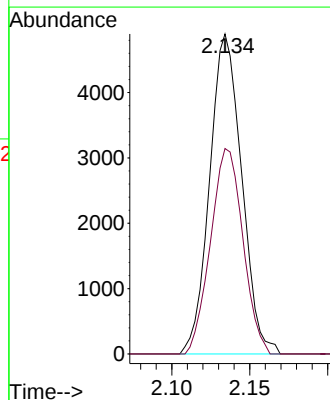
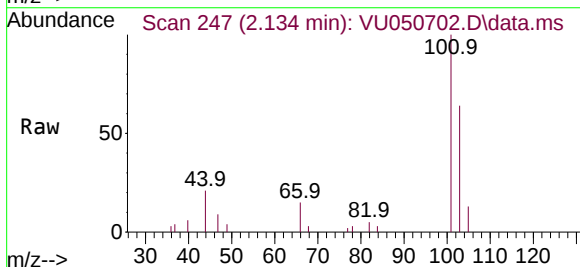
Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

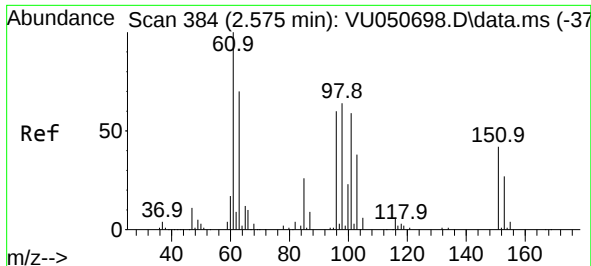
Tgt Ion: 64 Resp: 2187
Ion Ratio Lower Upper
64 100
66 32.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 1.826 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 101 Resp: 6989
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0





#10

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

Concen: 2.184 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.001 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

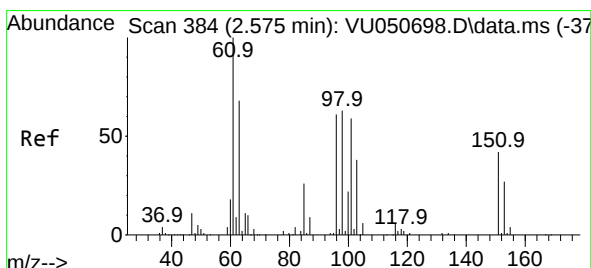
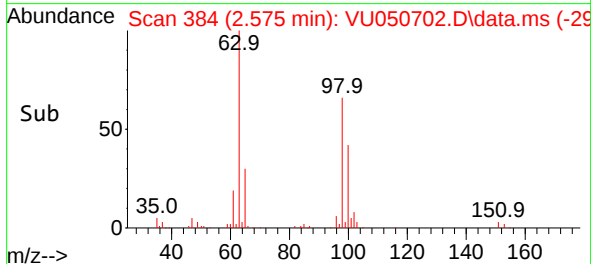
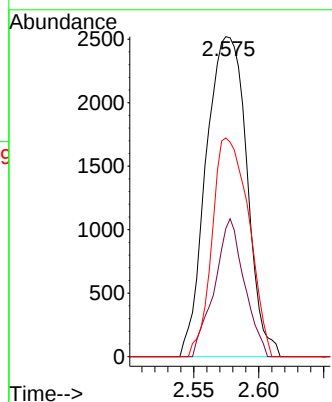
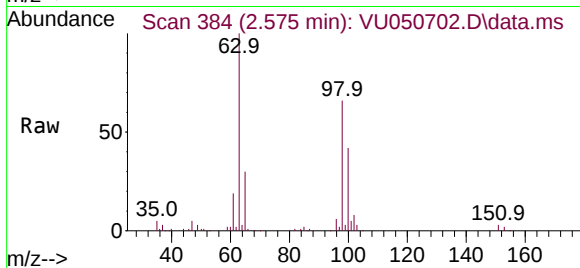
Tgt Ion:101 Resp: 5483

Ion Ratio Lower Upper

101 100

85 31.6 34.4 51.6#

151 61.5 57.7 86.5



#12

1,1-Dichloroethene

Concen: 2.236 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.001 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

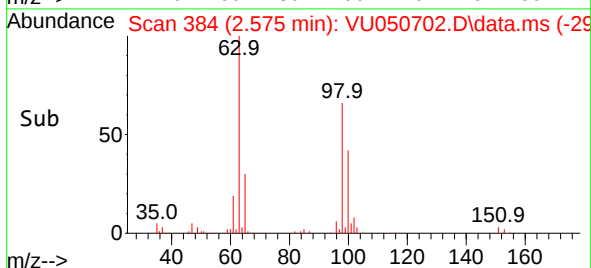
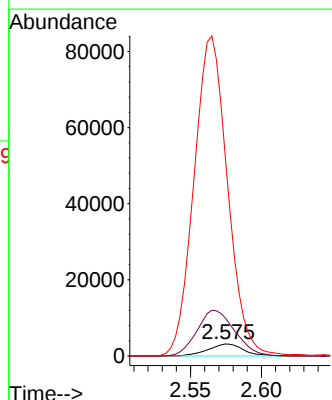
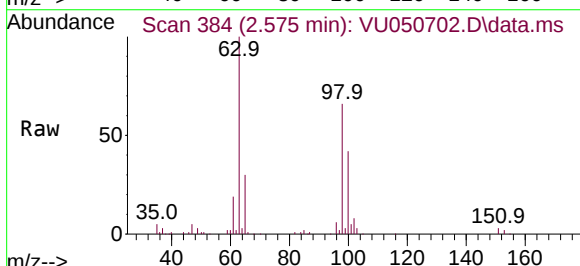
Tgt Ion: 96 Resp: 5455

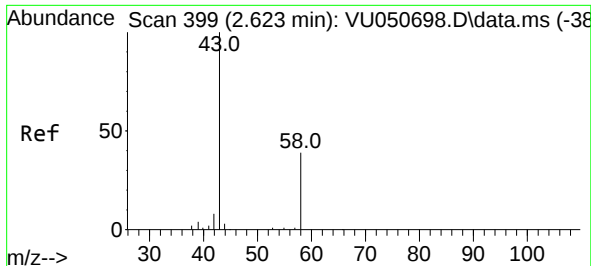
Ion Ratio Lower Upper

96 100

61 311.8 118.0 219.1#

63 1627.5 79.5 147.7#





#13

Acetone

Concen: 3.502 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

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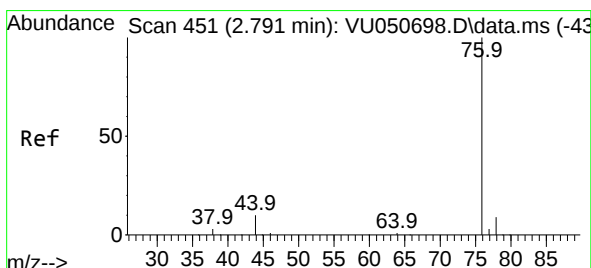
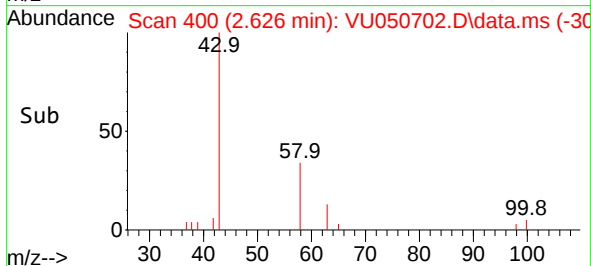
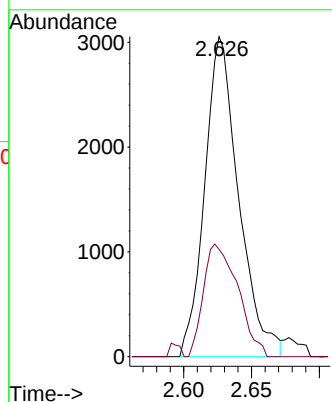
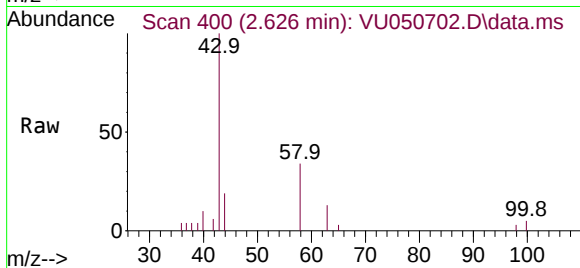
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 43 Resp: 5312

Ion Ratio Lower Upper

43 100

58 35.7 0.0 76.2



#14

Carbon disulfide

Concen: 1.677 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU050702.D

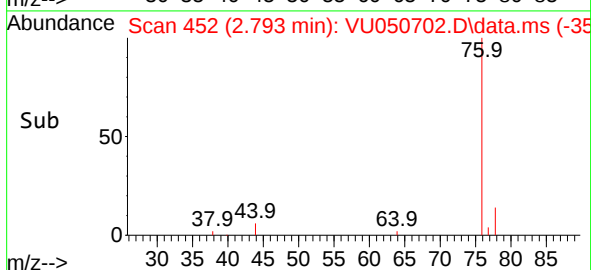
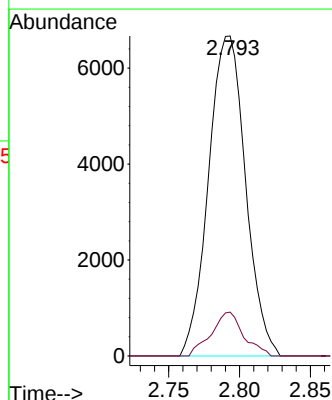
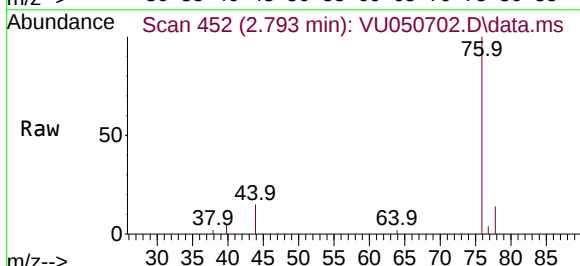
Acq: 09 Sep 2022 15:11

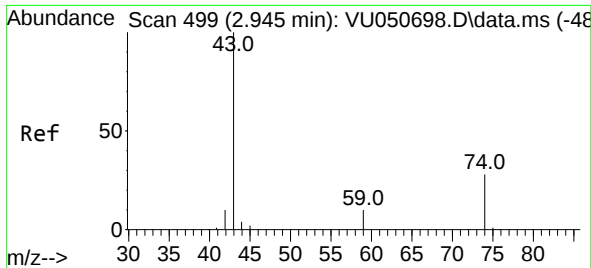
Tgt Ion: 76 Resp: 12130

Ion Ratio Lower Upper

76 100

78 13.7 7.3 10.9#

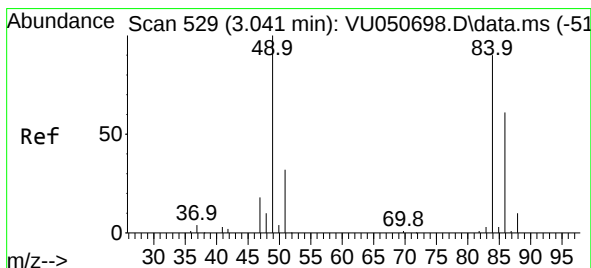
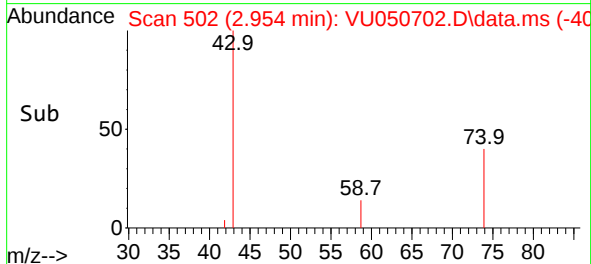
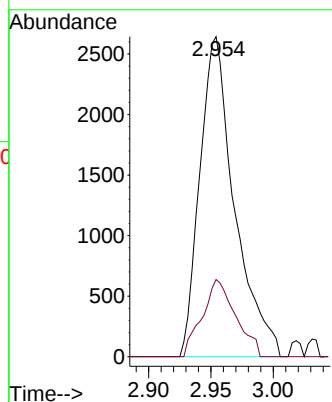
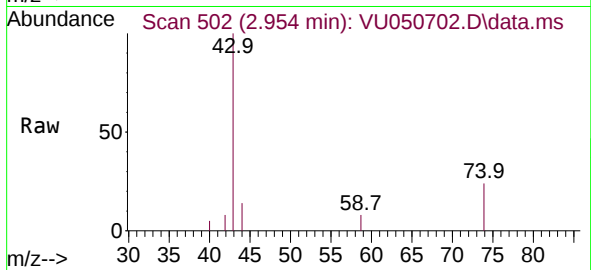




#15
Methyl Acetate
Concen: 1.595 ug/L
RT: 2.954 min Scan# 50
Delta R.T. 0.009 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

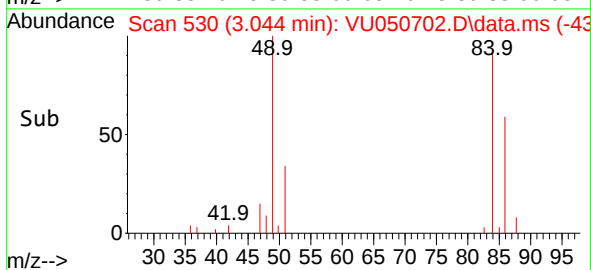
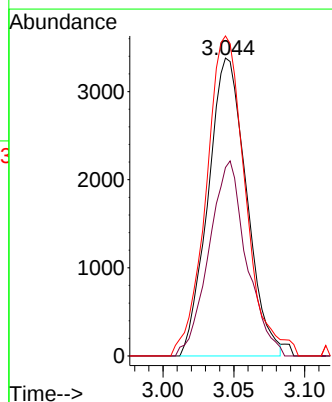
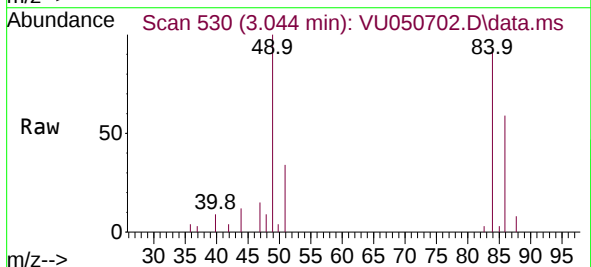
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

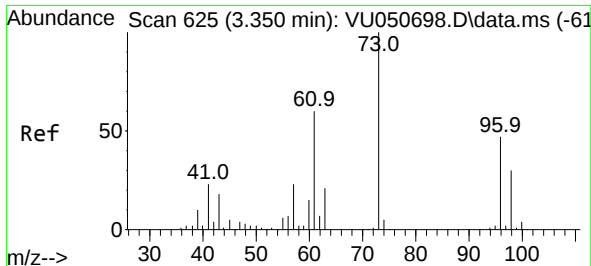
Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
74 23.3 21.2 31.8



#16
Methylene chloride
Concen: 1.987 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 84 Resp: 6361
Ion Ratio Lower Upper
84 100
86 63.3 44.8 83.2
49 107.4 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 1.611 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

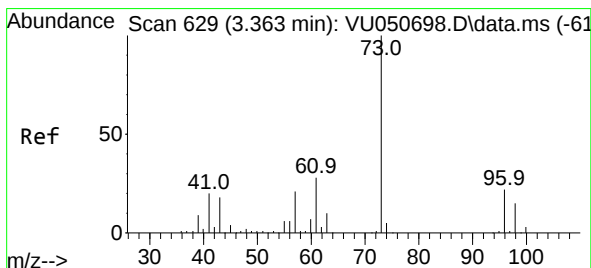
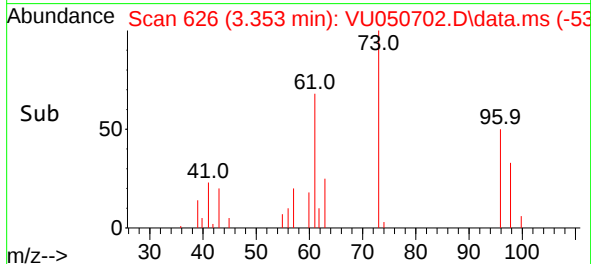
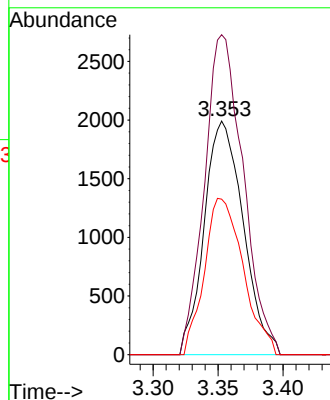
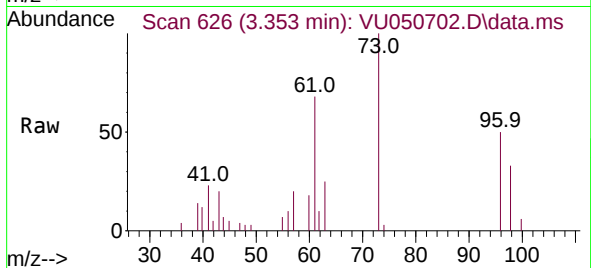
Tgt Ion: 96 Resp: 4167

Ion Ratio Lower Upper

96 100

61 137.0 97.9 181.7

98 66.6 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 1.591 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.001 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

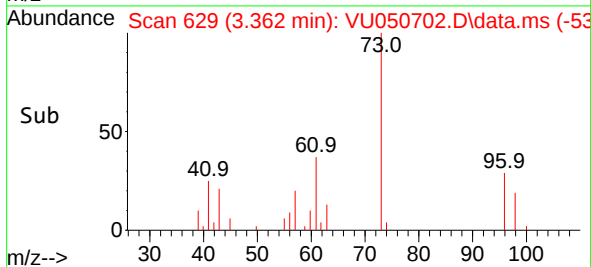
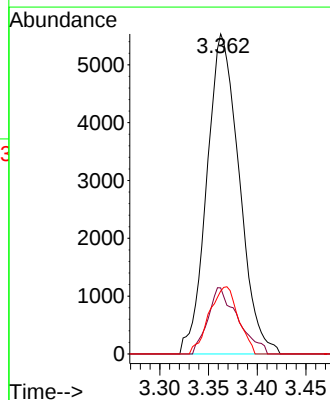
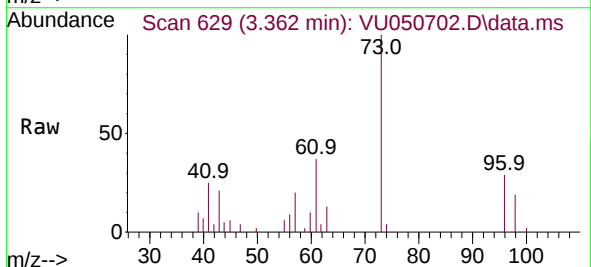
Tgt Ion: 73 Resp: 12764

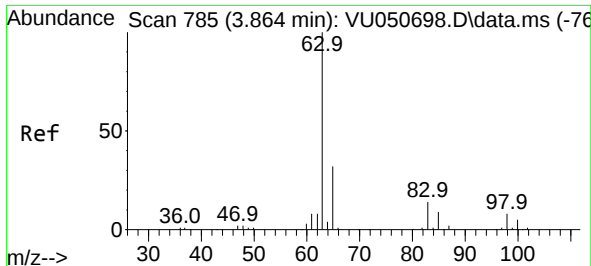
Ion Ratio Lower Upper

73 100

43 19.2 13.4 20.2

57 18.8 17.8 26.8





#19

1,1-Dichloroethane

Concen: 1.628 ug/L

RT: 3.870 min Scan# 785

Delta R.T. 0.006 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

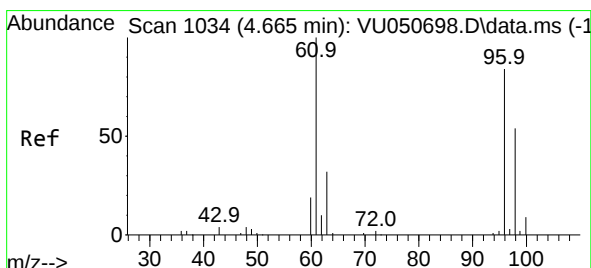
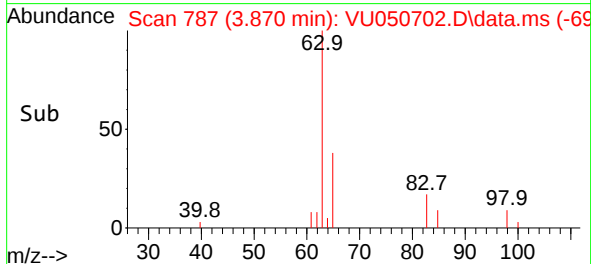
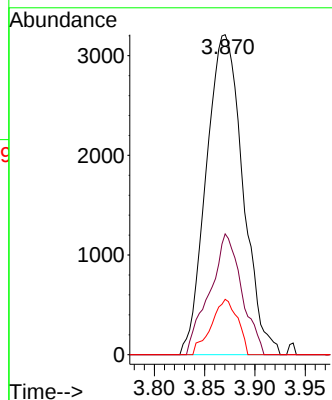
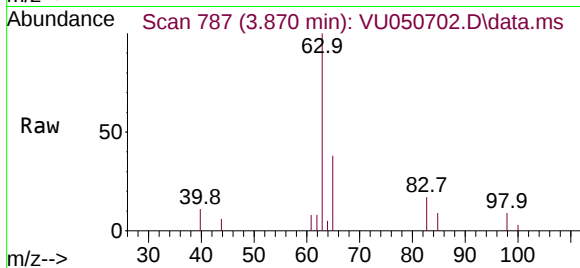
Tgt Ion: 63 Resp: 8127

Ion Ratio Lower Upper

63 100

65 37.8 22.4 41.6

83 17.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 1.593 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

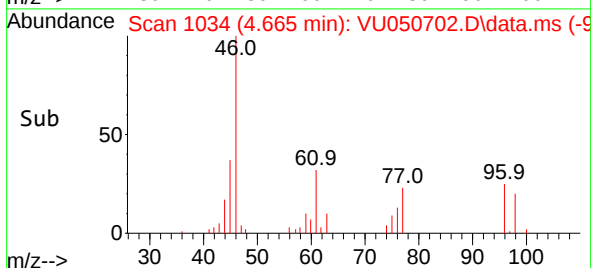
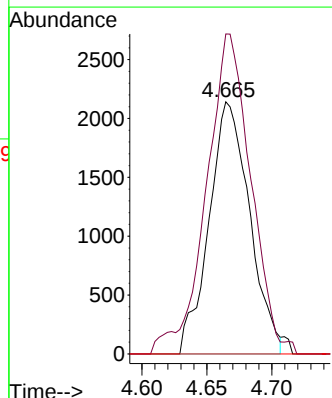
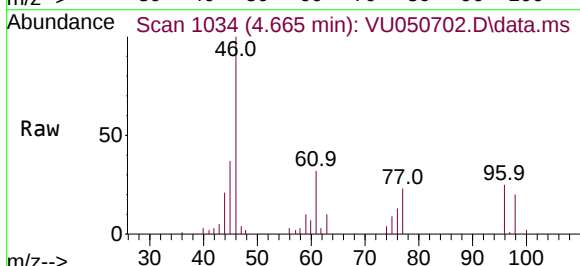
Tgt Ion: 96 Resp: 4649

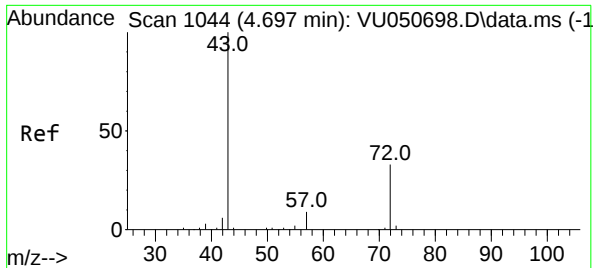
Ion Ratio Lower Upper

96 100

61 126.9 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.450 ug/L m

RT: 4.710 min Scan# 1048

Delta R.T. 0.012 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

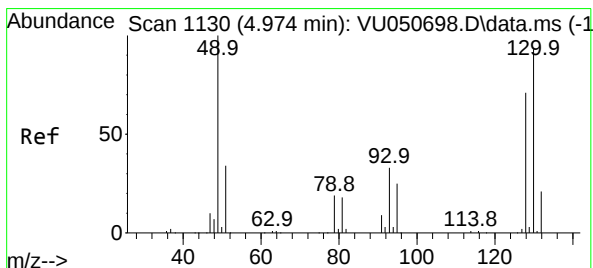
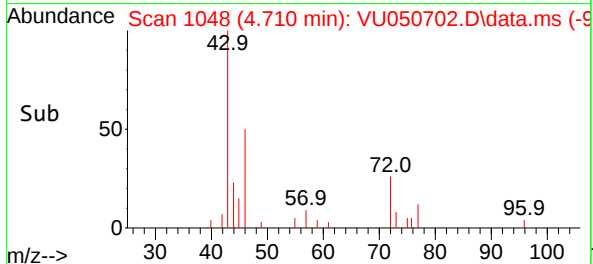
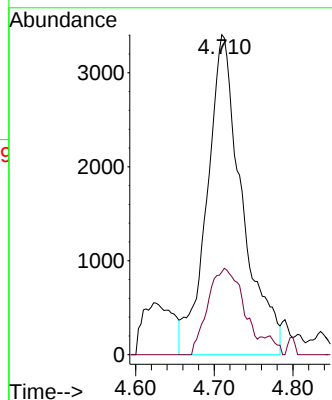
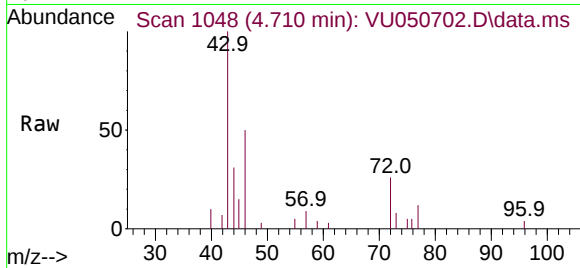
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 43 Resp: 10556

Ion Ratio Lower Upper

43 100

72 24.9 14.6 44.0



#23

Bromochloromethane

Concen: 1.949 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Tgt Ion: 128 Resp: 2940

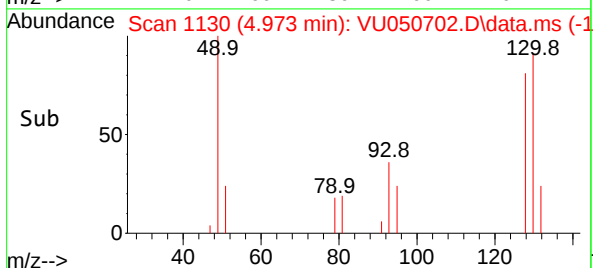
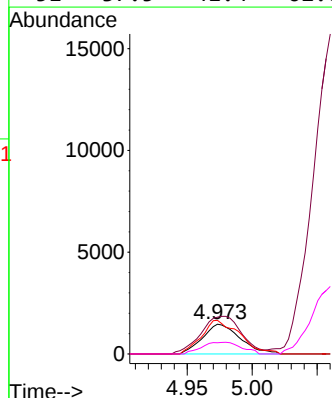
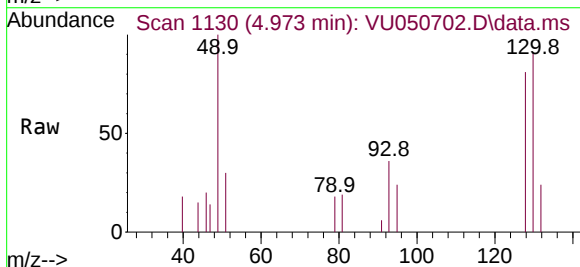
Ion Ratio Lower Upper

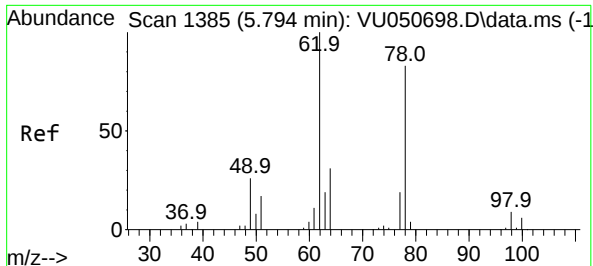
128 100

49 123.7 112.5 208.9

130 113.0 91.8 170.4

51 37.5 41.4 62.0#

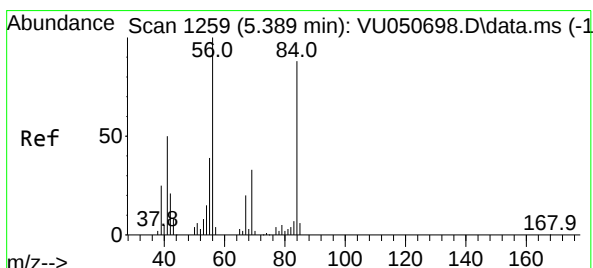
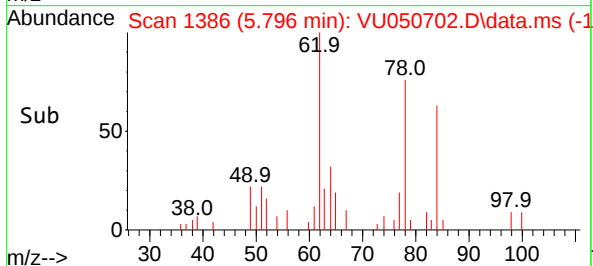
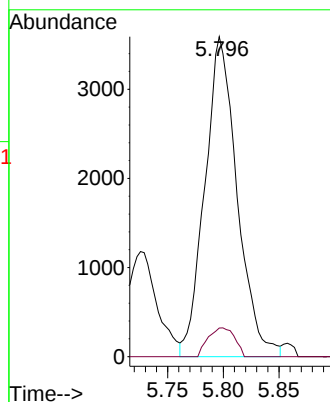
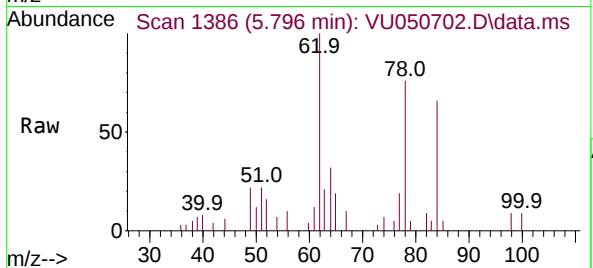




#27
1,2-Dichloroethane
Concen: 1.921 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

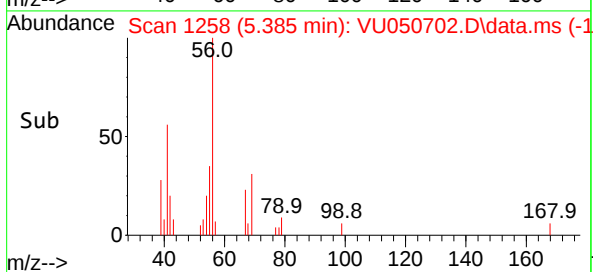
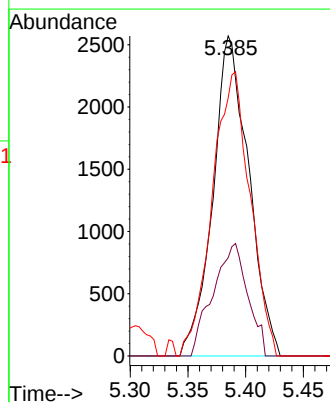
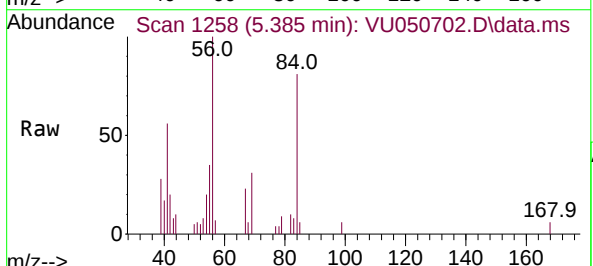
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

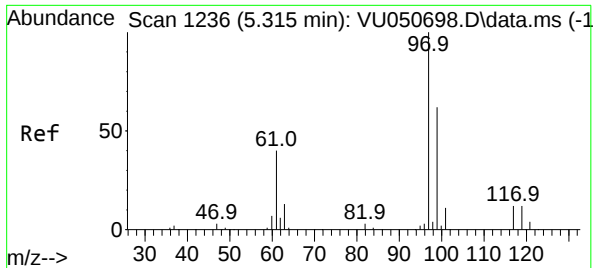
Tgt Ion: 62 Resp: 7239
Ion Ratio Lower Upper
62 100
98 8.9 8.2 12.2



#29
Cyclohexane
Concen: 1.275 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.004 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 56 Resp: 5542
Ion Ratio Lower Upper
56 100
69 34.2 24.6 37.0
84 93.7 67.4 101.2





#30

1,1,1-Trichloroethane

Concen: 1.829 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

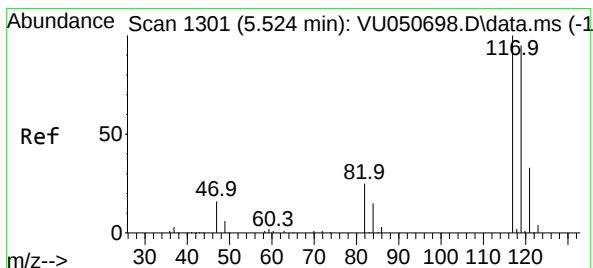
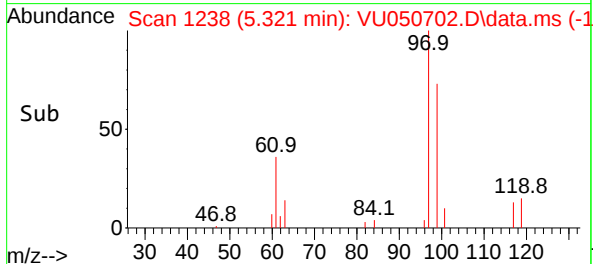
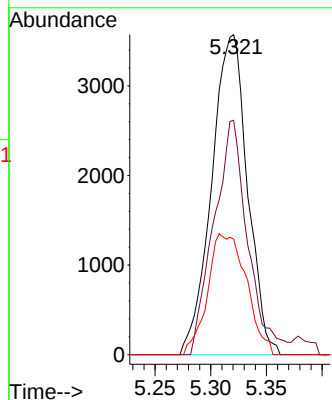
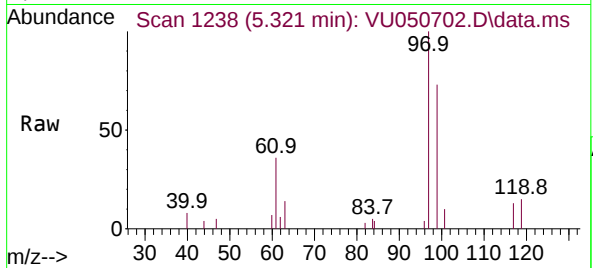
Tgt Ion: 97 Resp: 7996

Ion Ratio Lower Upper

97 100

99 69.4 51.2 76.8

61 20.9 34.2 51.4#



#31

Carbon tetrachloride

Concen: 1.923 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. -0.001 min

Lab File: VU050702.D

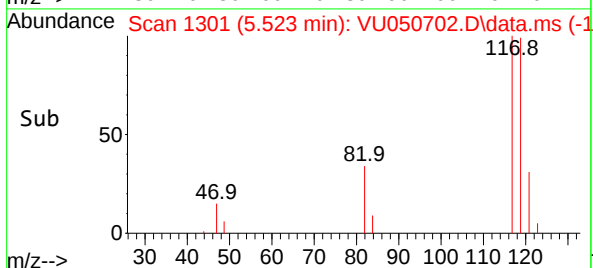
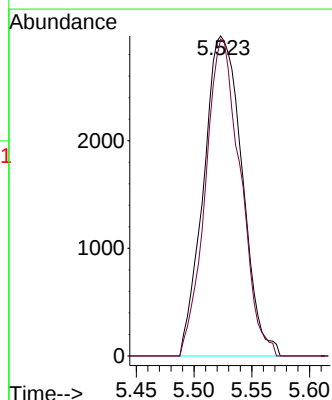
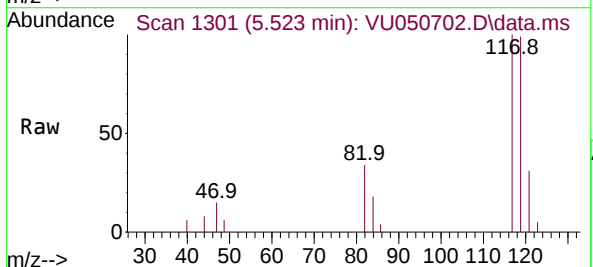
Acq: 09 Sep 2022 15:11

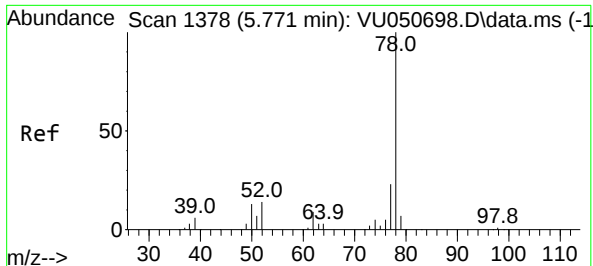
Tgt Ion: 117 Resp: 6888

Ion Ratio Lower Upper

117 100

119 90.2 77.4 116.2

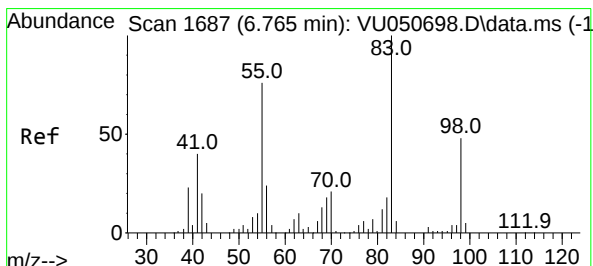
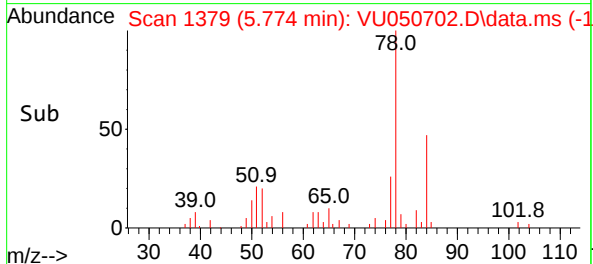
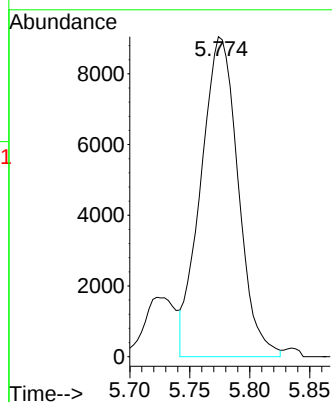
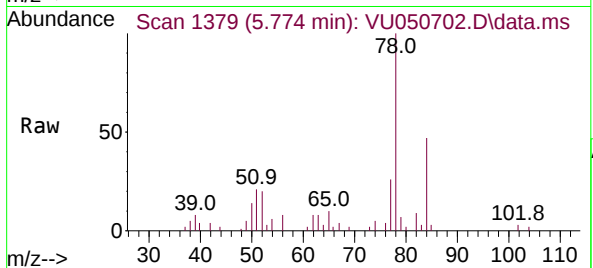




#33
Benzene
Concen: 1.655 ug/L
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

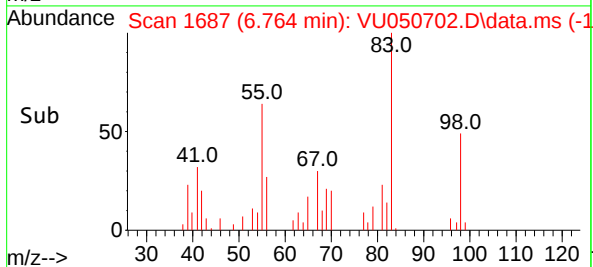
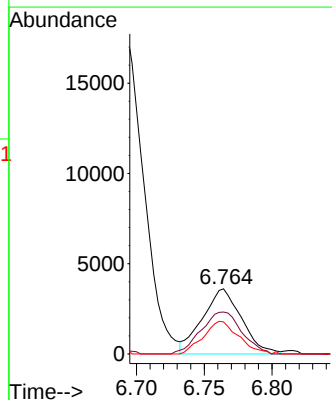
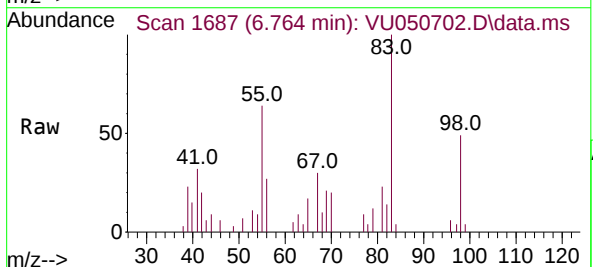
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

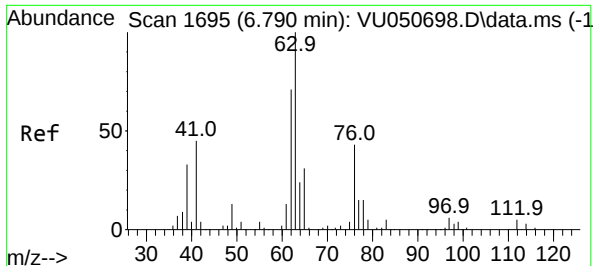
Tgt Ion: 78 Resp: 19548



#35
Methylcyclohexane
Concen: 1.654 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 83 Resp: 7240
Ion Ratio Lower Upper
83 100
55 66.7 62.6 93.8
98 45.0 35.5 53.3

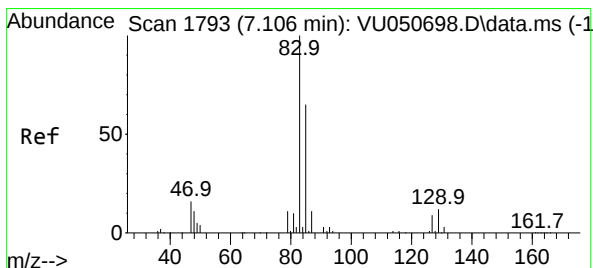
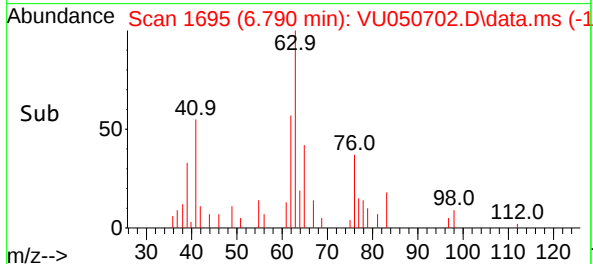
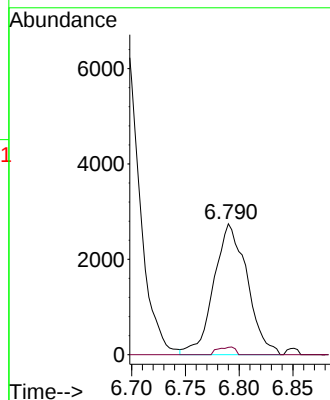
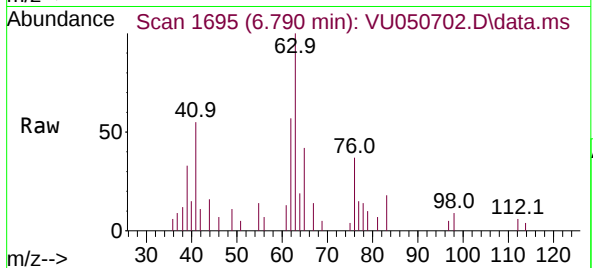




#37
1,2-Dichloropropane
Concen: 1.900 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

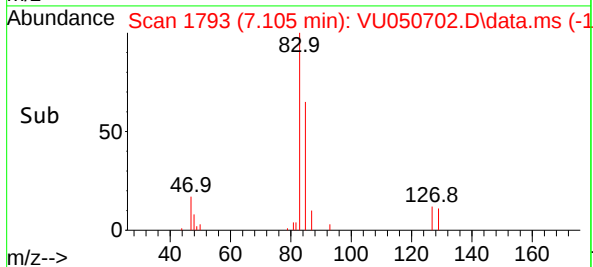
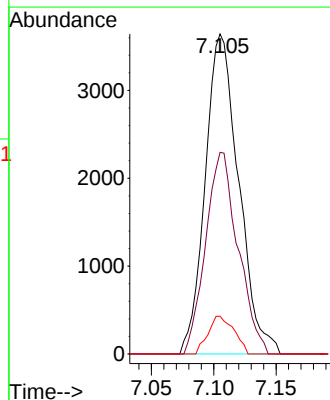
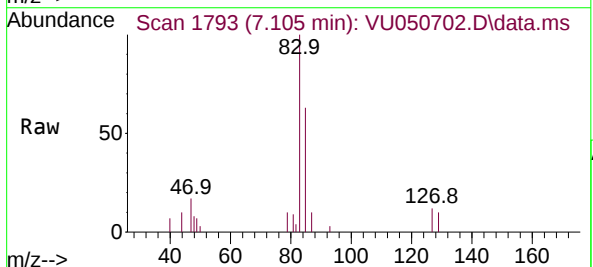
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2022-07

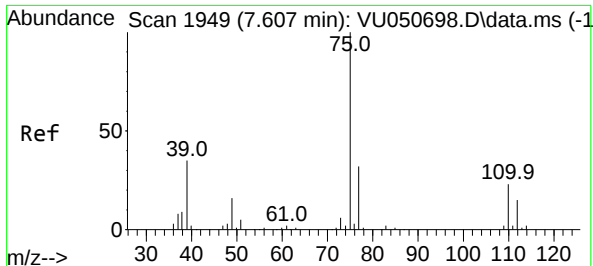
Tgt Ion: 63 Resp: 5930
Ion Ratio Lower Upper
63 100
112 3.0 3.0 4.4



#38
Bromodichloromethane
Concen: 1.856 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 83 Resp: 6811
Ion Ratio Lower Upper
83 100
85 63.0 44.9 83.5
127 11.8 6.6 10.0#





#39

cis-1,3-Dichloropropene

Concen: 1.615 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

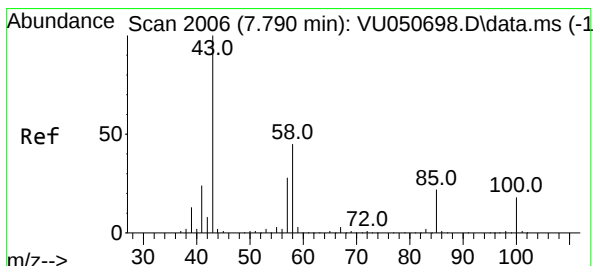
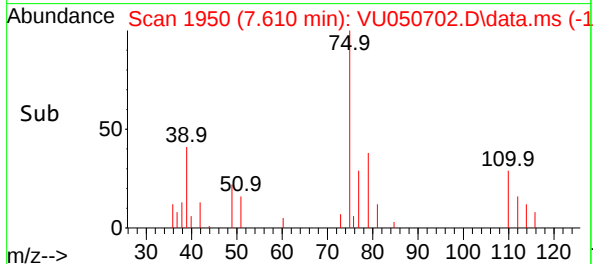
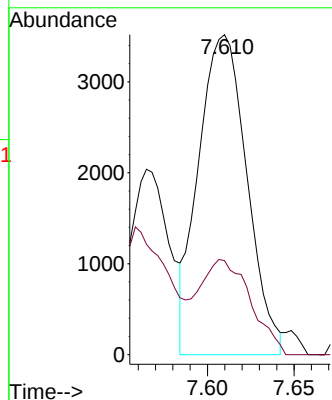
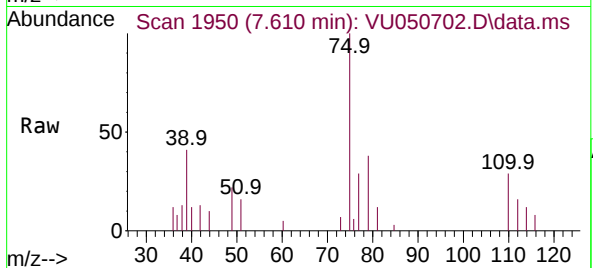
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 75 Resp: 6822

Ion Ratio Lower Upper

75 100

77 27.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 2.811 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

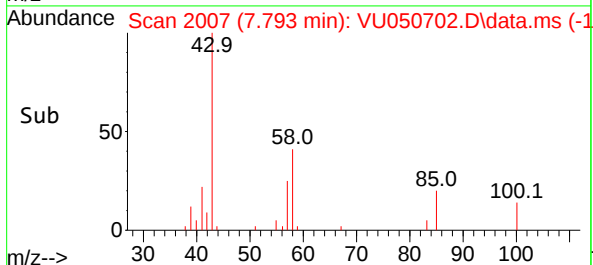
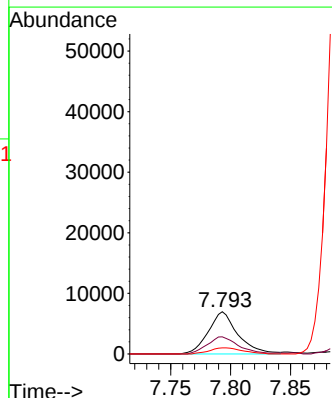
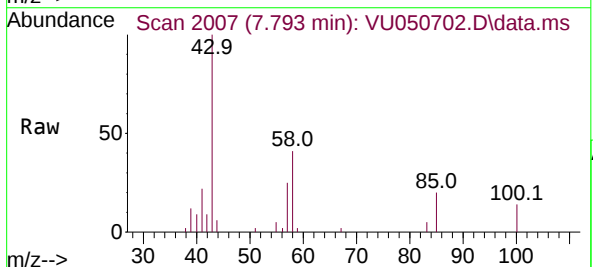
Tgt Ion: 43 Resp: 11952

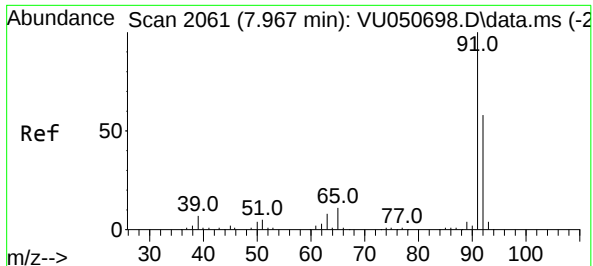
Ion Ratio Lower Upper

43 100

58 42.4 35.1 52.7

100 16.0 12.9 19.3





#42

Toluene

Concen: 1.611 ug/L

RT: 7.973 min Scan# 2061

Delta R.T. 0.006 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

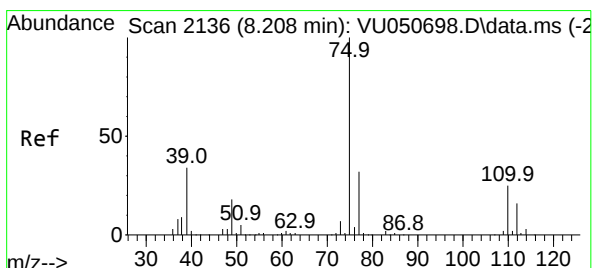
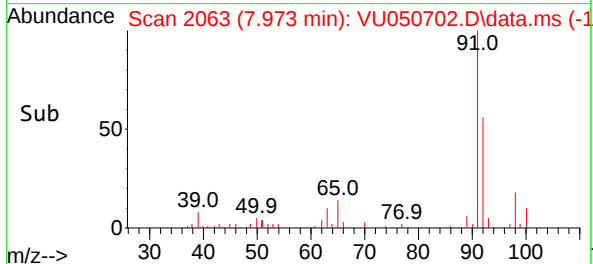
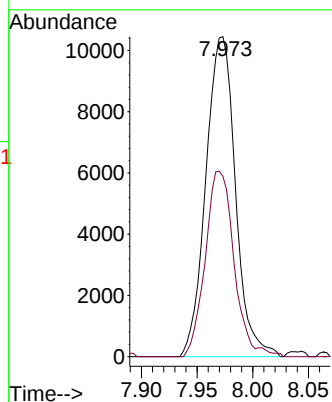
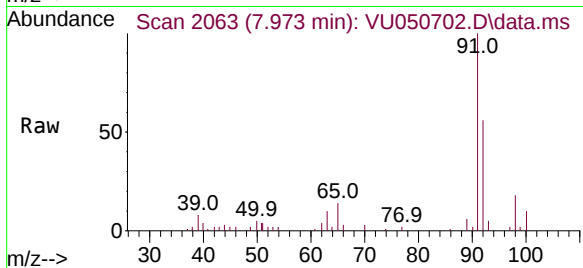
MDL-MED-SOIL-QT4-2022-07

Tgt Ion: 91 Resp: 19334

Ion Ratio Lower Upper

91 100

92 56.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 1.707 ug/L m

RT: 8.214 min Scan# 2138

Delta R.T. 0.006 min

Lab File: VU050702.D

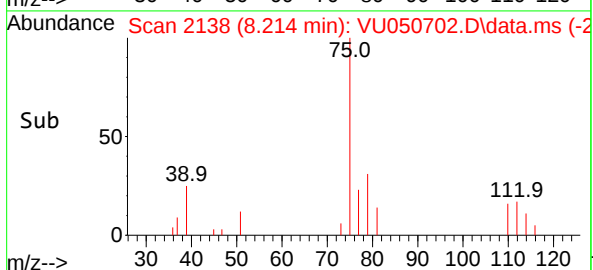
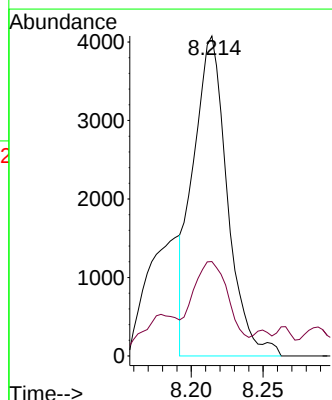
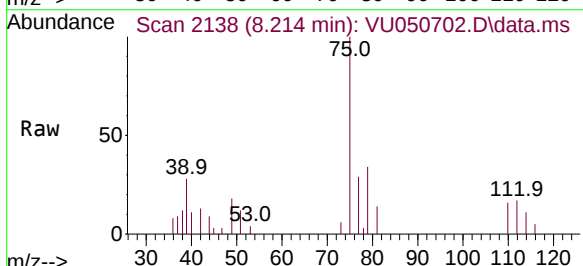
Acq: 09 Sep 2022 15:11

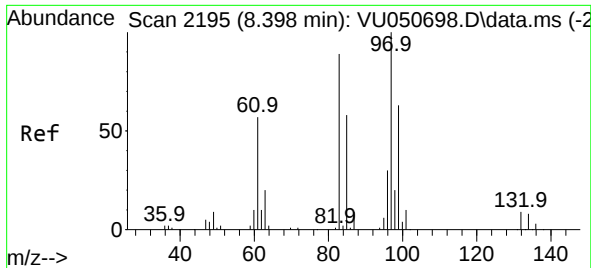
Tgt Ion: 75 Resp: 6764

Ion Ratio Lower Upper

75 100

77 29.5 22.1 41.1

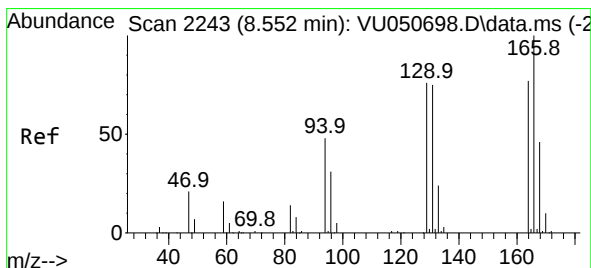
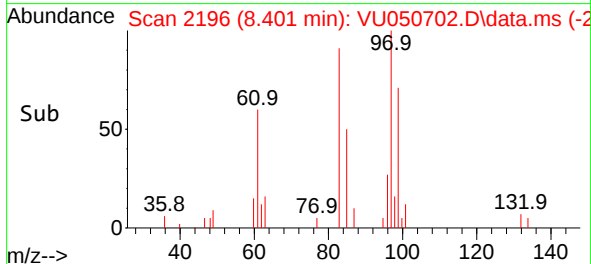
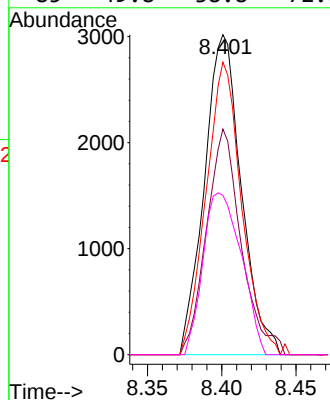
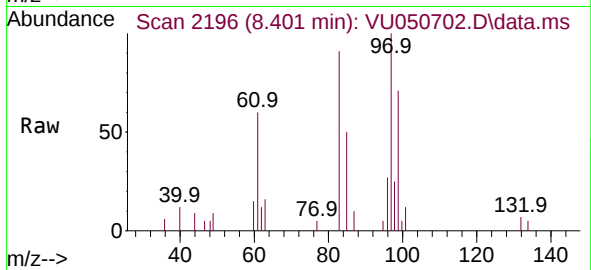




#45
1,1,2-Trichloroethane
Concen: 1.739 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

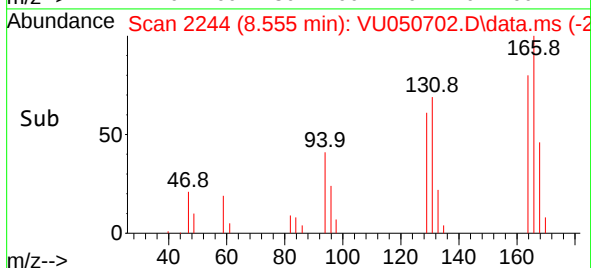
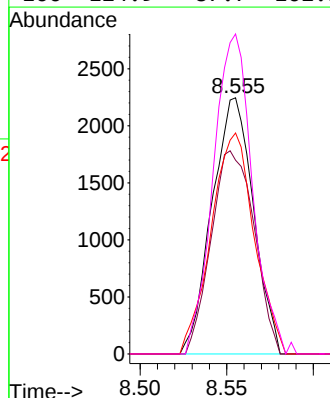
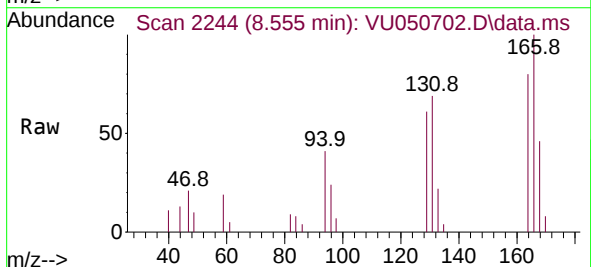
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

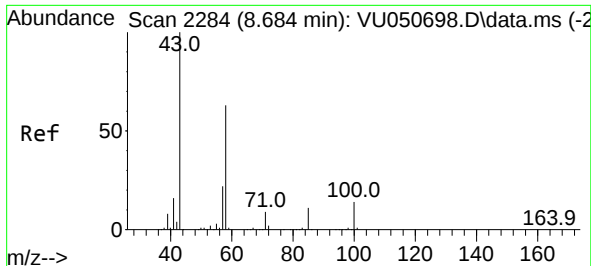
Tgt Ion: 97	Resp: 5212
Ion Ratio	Lower Upper
97 100	
99 70.5	43.5 80.9
83 91.4	61.6 114.4
85 49.8	38.8 72.0



#46
Tetrachloroethene
Concen: 1.855 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion:164	Resp: 3730
Ion Ratio	Lower Upper
164 100	
129 75.6	68.7 127.5
131 86.2	66.2 123.0
166 124.9	87.7 162.9

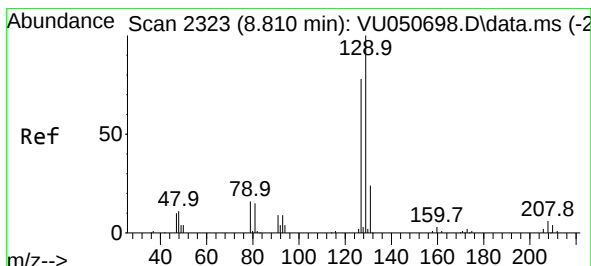
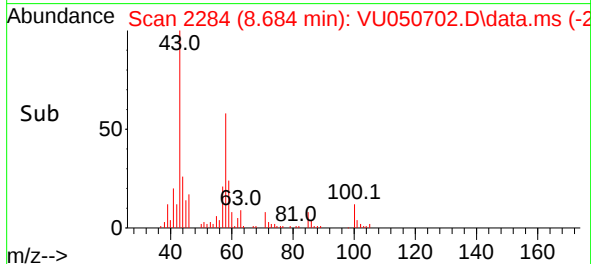
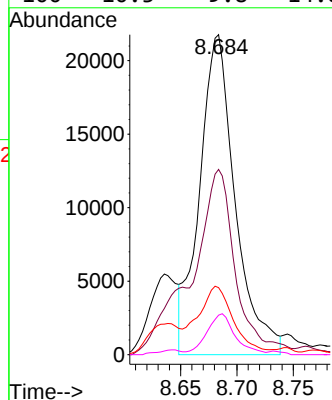
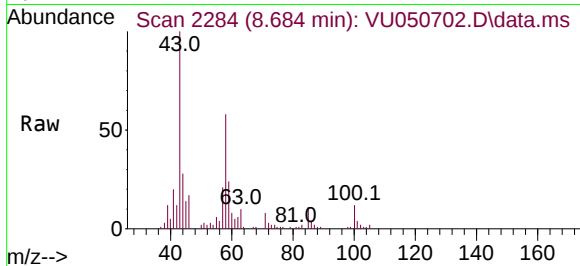




#48
2-Hexanone
Concen: 12.107 ug/L m
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

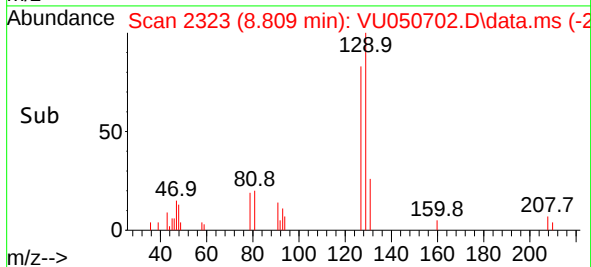
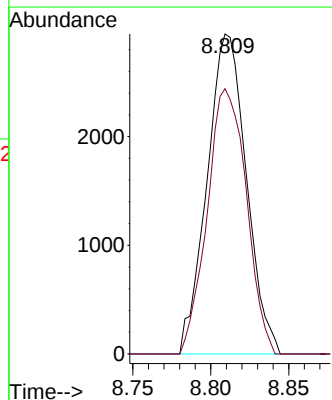
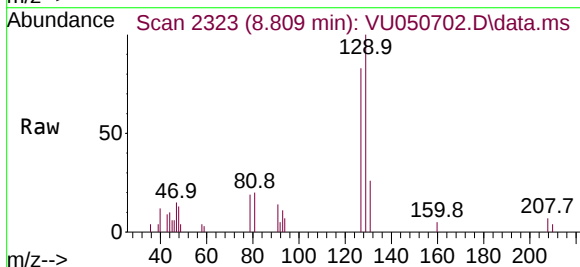
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

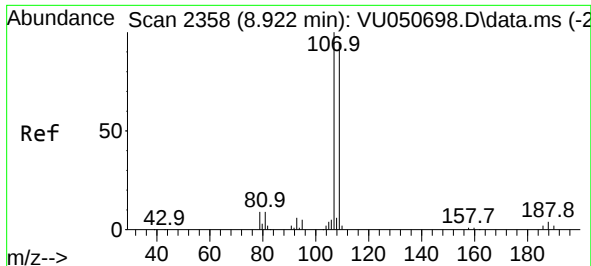
Tgt Ion: 43 Resp: 48045
Ion Ratio Lower Upper
43 100
58 47.3 51.8 77.6#
57 21.6 17.0 25.4
100 10.3 9.8 14.8



#49
Dibromochloromethane
Concen: 1.807 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.001 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 129 Resp: 5166
Ion Ratio Lower Upper
129 100
127 82.9 53.8 100.0





#50

1,2-Dibromoethane

Concen: 1.827 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

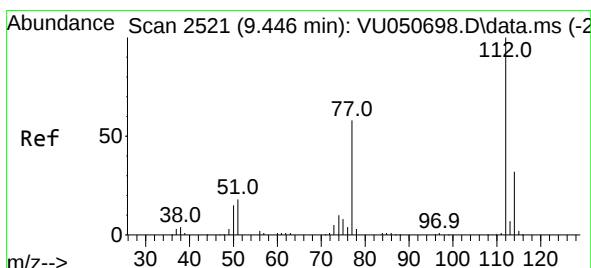
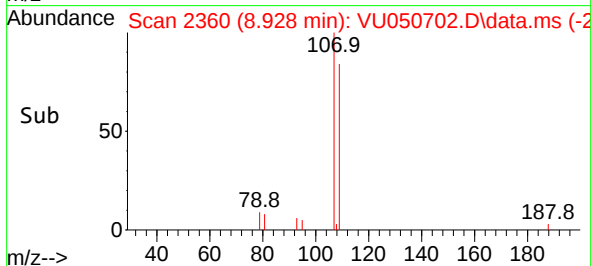
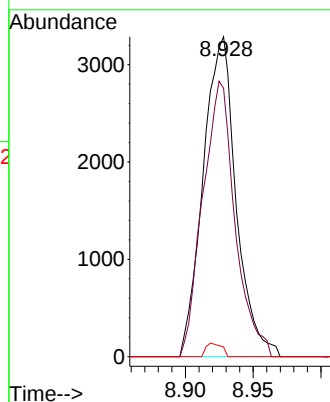
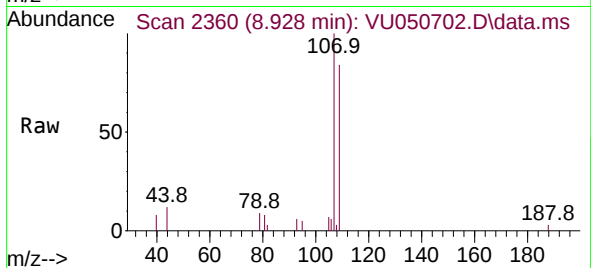
Tgt Ion:107 Resp: 5568

Ion Ratio Lower Upper

107 100

109 83.9 67.5 125.4

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 1.785 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

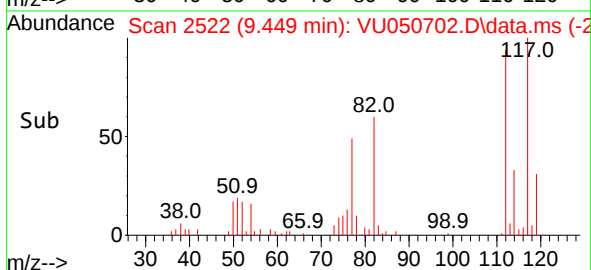
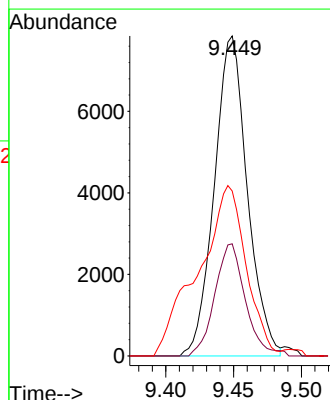
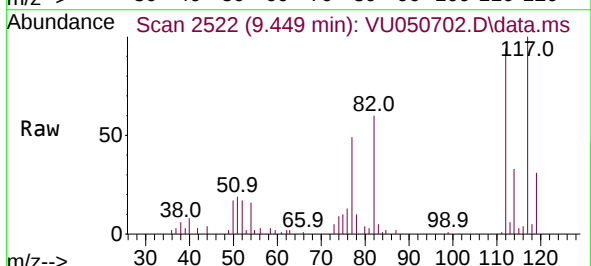
Tgt Ion:112 Resp: 13294

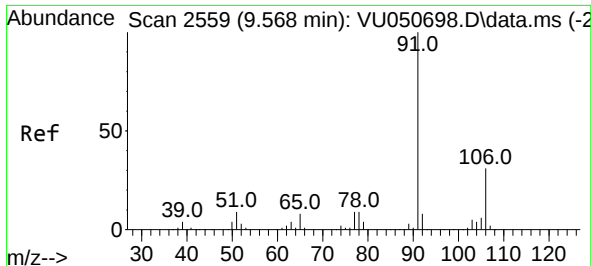
Ion Ratio Lower Upper

112 100

114 35.0 22.1 41.1

77 51.6 49.2 73.8

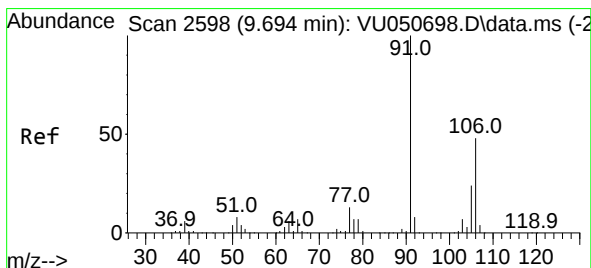
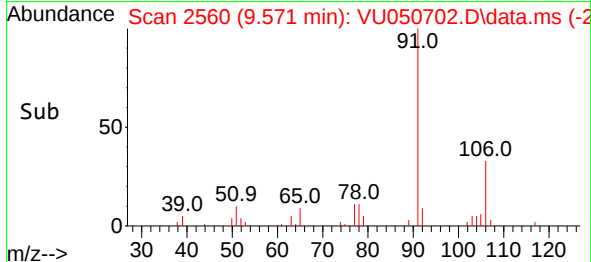
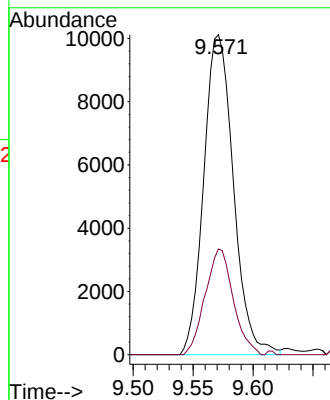
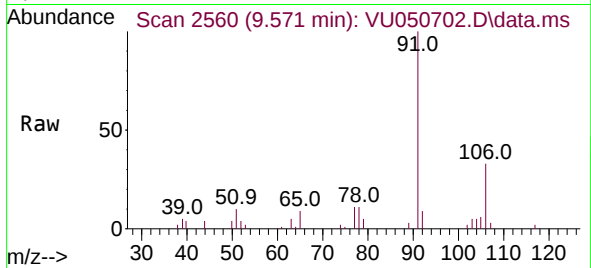




#52
Ethylbenzene
Concen: 1.472 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

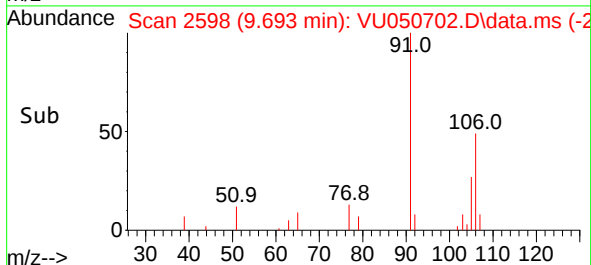
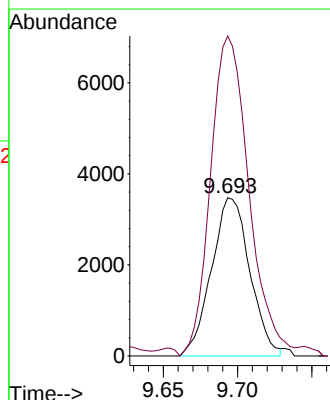
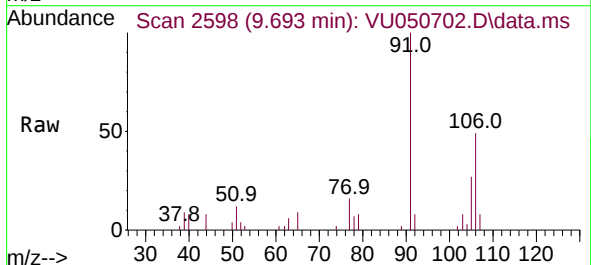
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

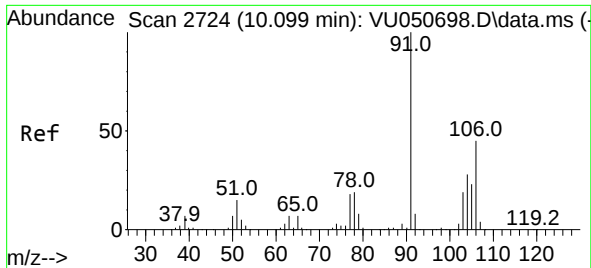
Tgt Ion: 91 Resp: 17446
Ion Ratio Lower Upper
91 100
106 33.1 21.2 39.4



#53
m,p-Xylene
Concen: 1.376 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.001 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion: 106 Resp: 6248
Ion Ratio Lower Upper
106 100
91 202.2 147.1 273.3

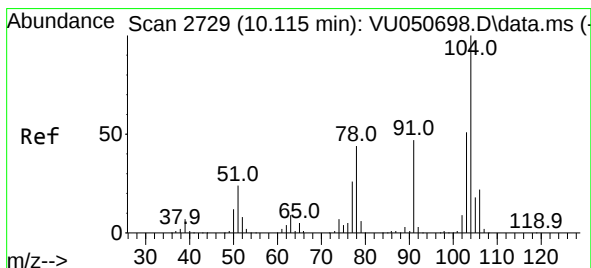
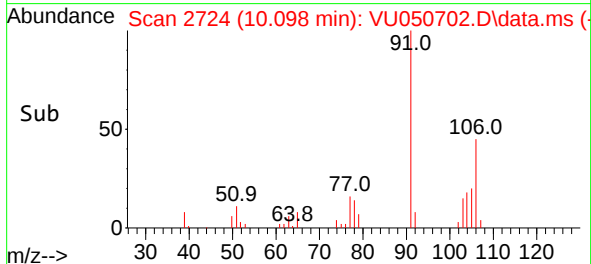
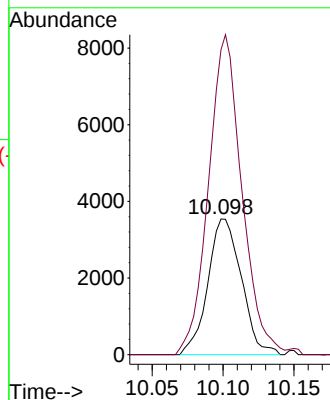
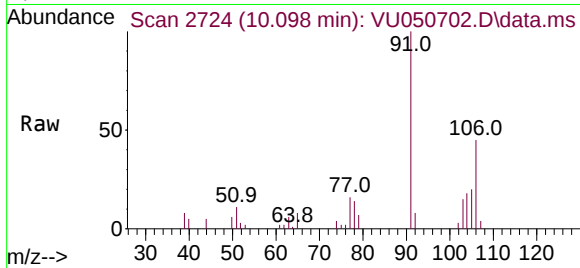




#54
o-Xylene
Concen: 1.289 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

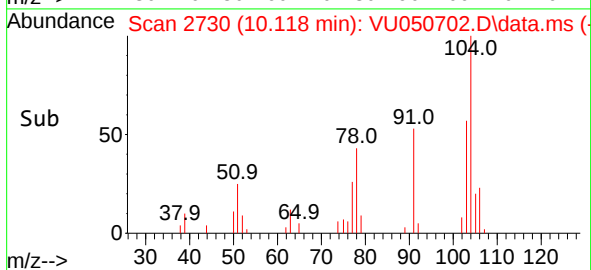
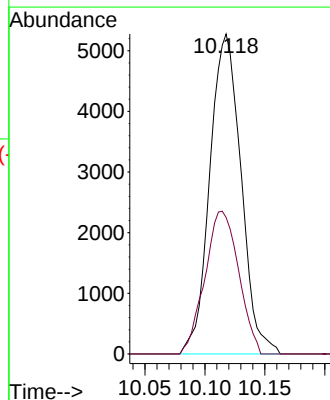
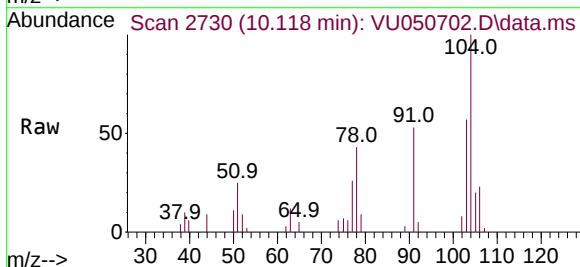
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

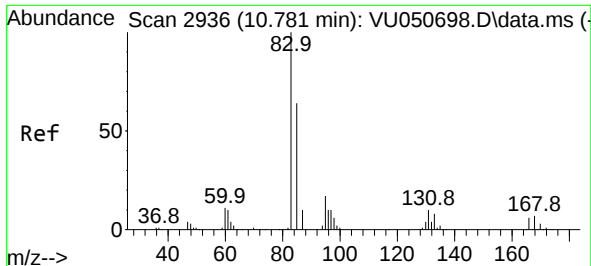
Tgt Ion:106 Resp: 5830
Ion Ratio Lower Upper
106 100
91 224.6 153.4 284.8



#55
Styrene
Concen: 1.284 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion:104 Resp: 9549
Ion Ratio Lower Upper
104 100
78 42.7 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 1.905 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.001 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

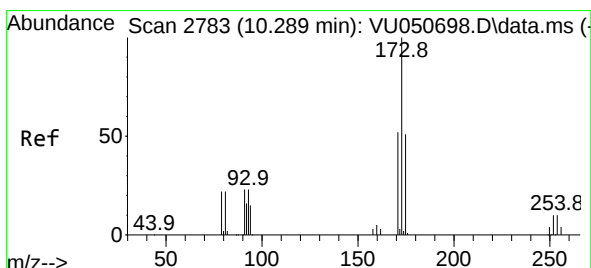
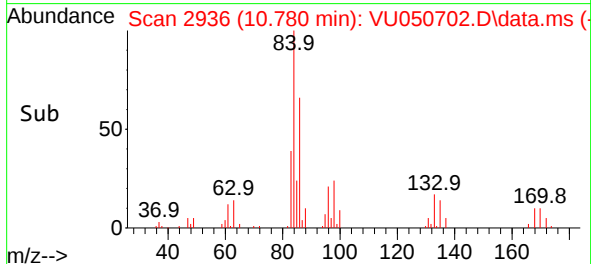
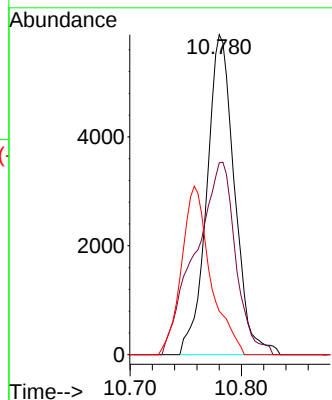
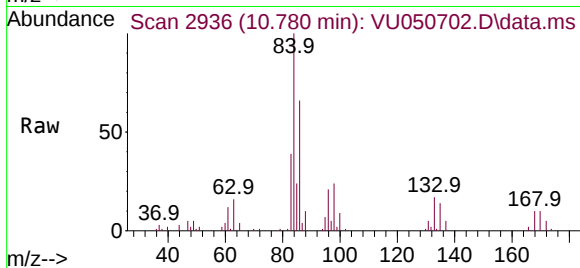
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

Tgt Ion:	83	Resp:	10169
Ion	Ratio	Lower	Upper
83	100		
85	60.0	45.5	84.5
131	18.6	7.7	11.5



#59

Bromoform

Concen: 1.933 ug/L

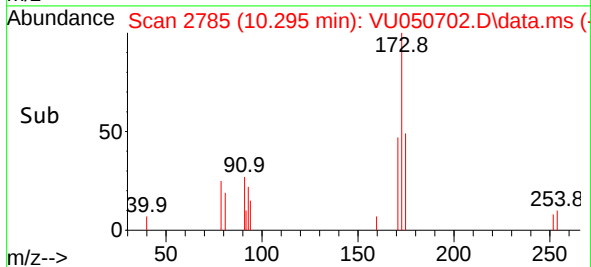
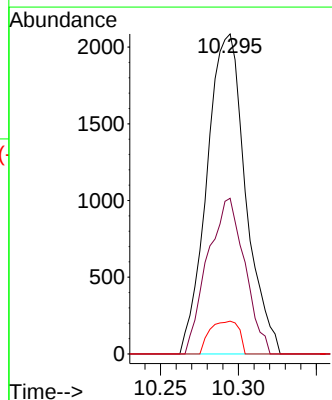
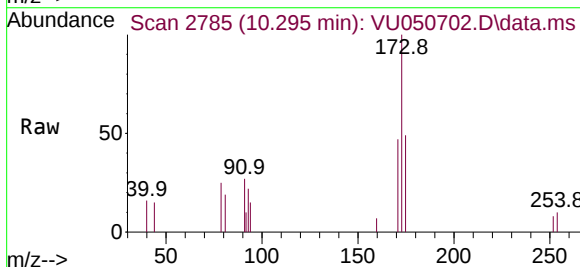
RT: 10.295 min Scan# 2785

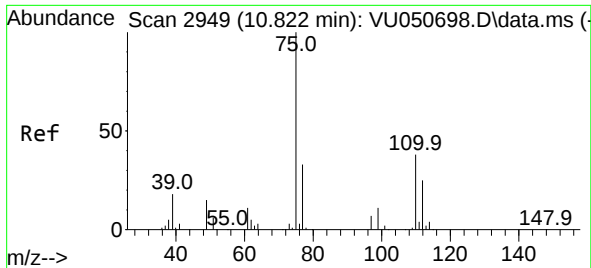
Delta R.T. 0.006 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Tgt Ion:	173	Resp:	3594
Ion	Ratio	Lower	Upper
173	100		
175	46.8	40.0	60.0
254	7.7	7.4	11.0

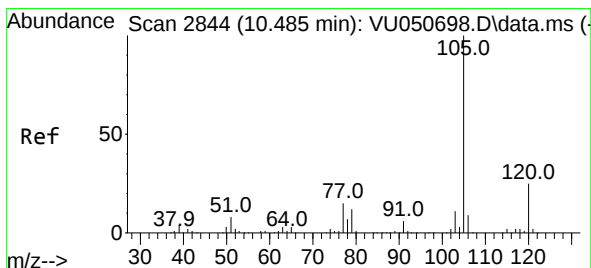
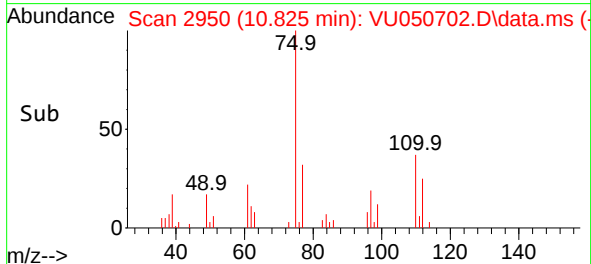
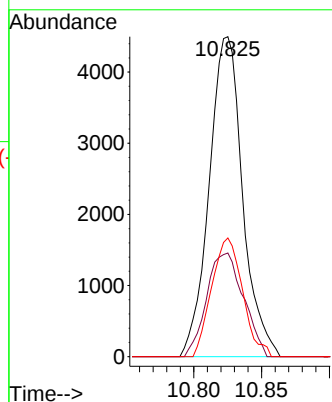
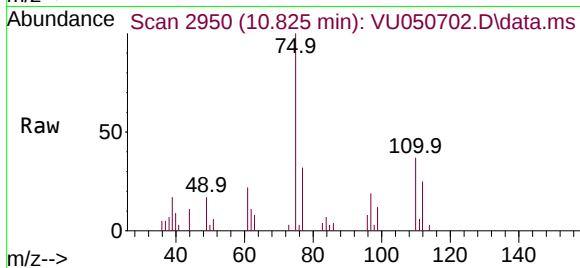




#60
1,2,3-Trichloropropane
Concen: 2.112 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

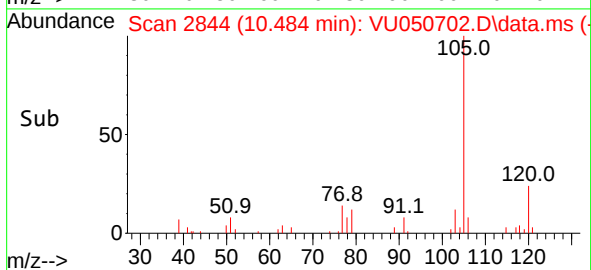
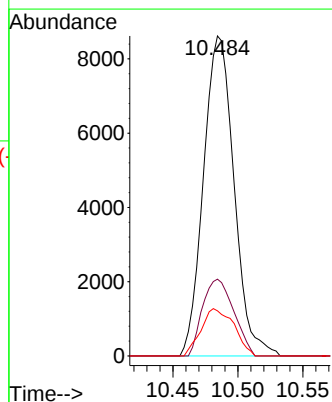
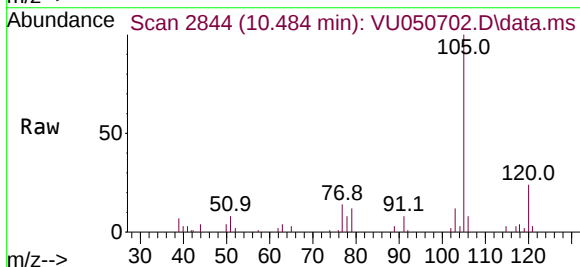
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

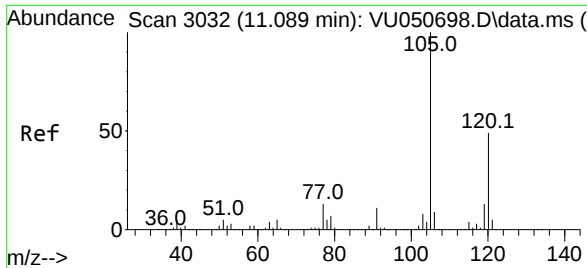
Tgt Ion:	75	Resp:	7721
Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.8	38.8
110	34.4	29.3	43.9



#61
Isopropylbenzene
Concen: 1.430 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.001 min
Lab File: VU050702.D
Acq: 09 Sep 2022 15:11

Tgt Ion:	105	Resp:	14108
Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.4	30.6
77	15.9	12.8	19.2

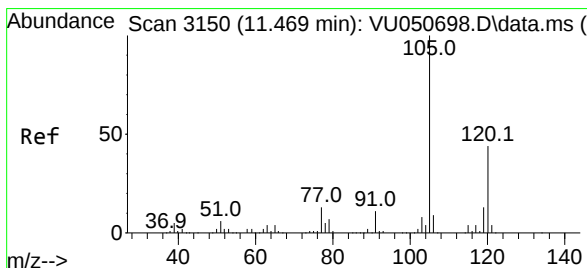
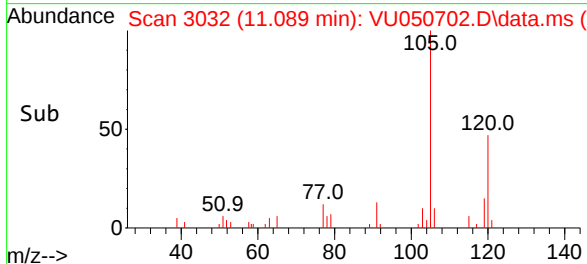
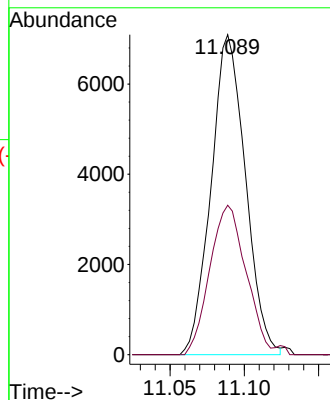
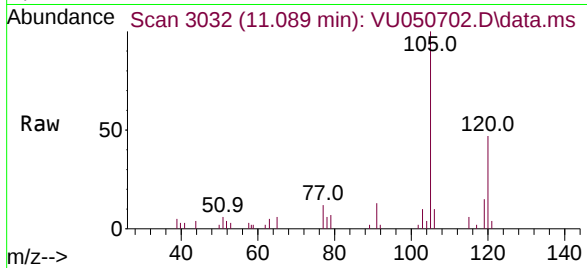




#62
 1,3,5-Trimethylbenzene
 Concen: 1.352 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.001 min
 Lab File: VU050702.D
 Acq: 09 Sep 2022 15:11

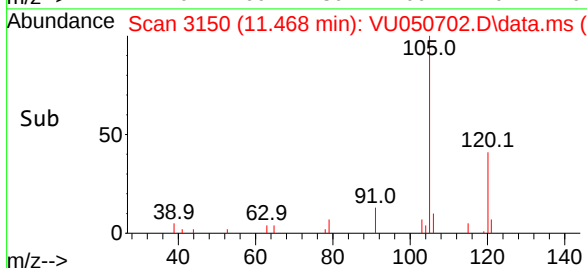
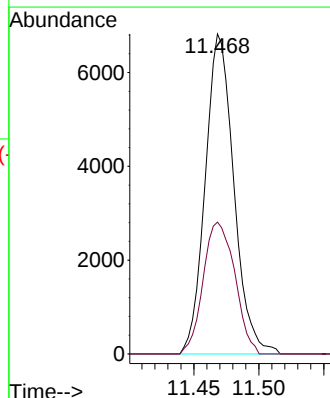
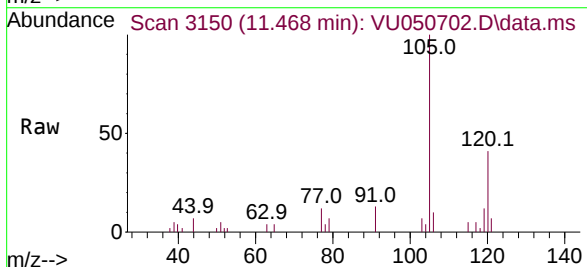
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

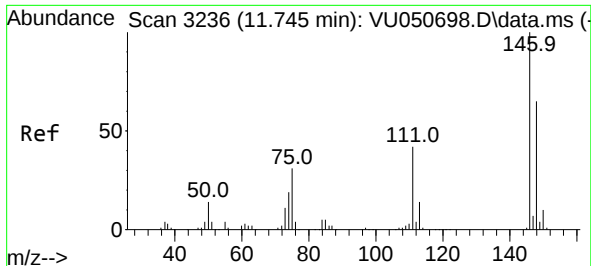
Tgt Ion:105 Resp: 11405
 Ion Ratio Lower Upper
 105 100
 120 49.1 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 1.290 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.001 min
 Lab File: VU050702.D
 Acq: 09 Sep 2022 15:11

Tgt Ion:105 Resp: 10446
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 1.804 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. -0.001 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

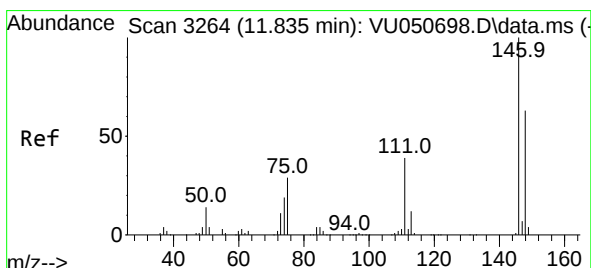
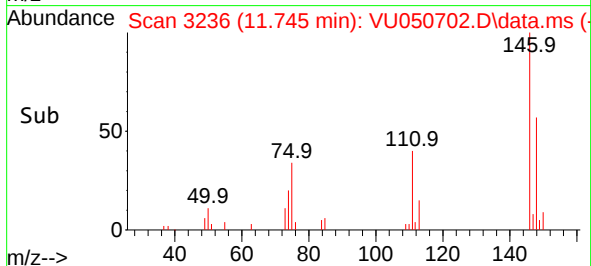
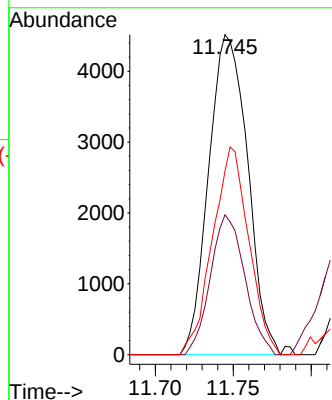
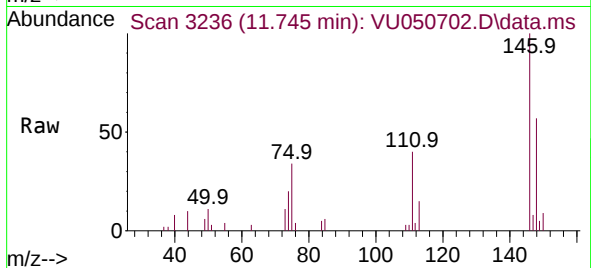
Tgt Ion:146 Resp: 7830

Ion Ratio Lower Upper

146 100

111 43.7 29.9 55.5

148 62.2 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 1.884 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. -0.000 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

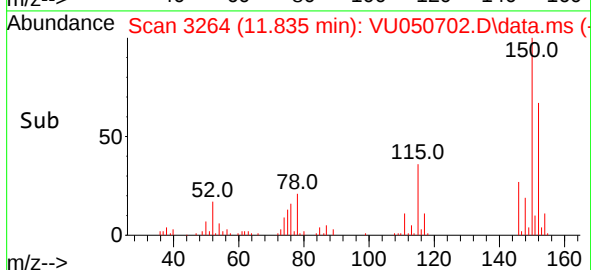
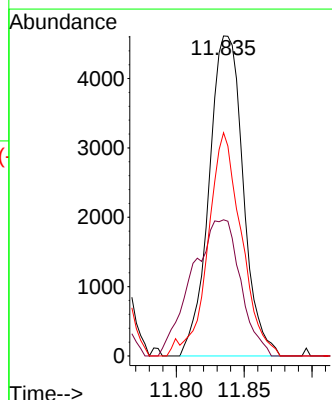
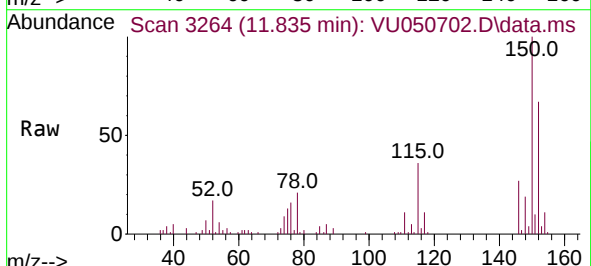
Tgt Ion:146 Resp: 8083

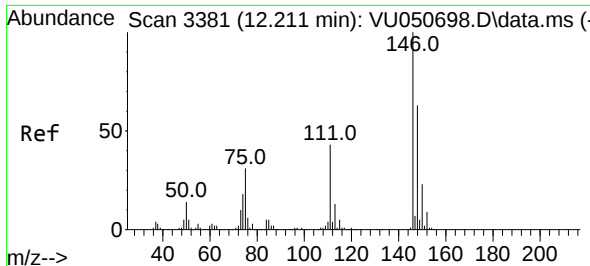
Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

148 65.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 1.953 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2022-07

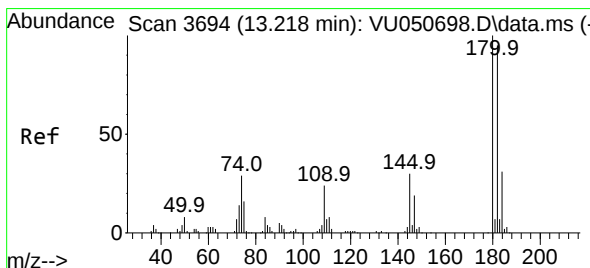
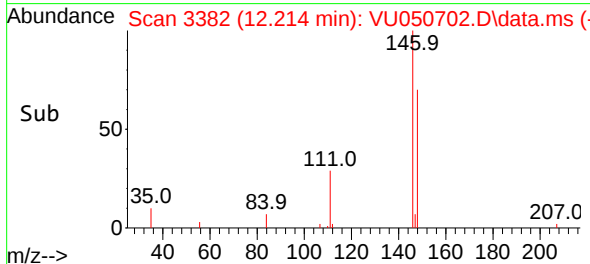
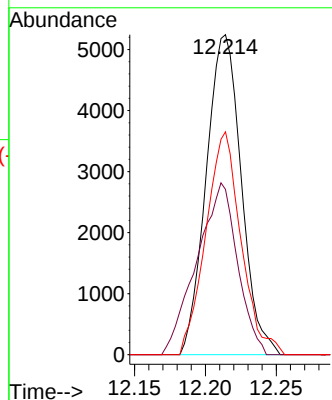
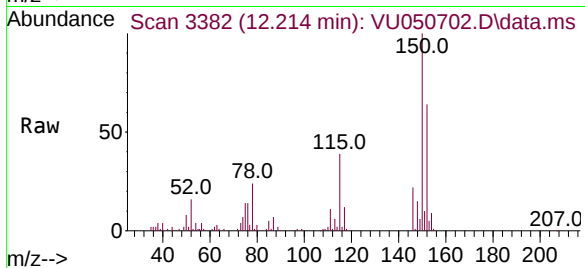
Tgt Ion:146 Resp: 9028

Ion Ratio Lower Upper

146 100

111 51.7 35.1 52.7

148 69.7 51.8 77.6



#69

1,3,5-Trichlorobenzene

Concen: 1.601 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU050702.D

Acq: 09 Sep 2022 15:11

Tgt Ion:180 Resp: 5042

Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

184 29.2 23.8 35.8

145 28.1 24.0 36.0

