

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082922\
 Data File : VU050478.D
 Acq On : 29 Aug 2022 12:39
 Operator : SY/MD
 Sample : N4015-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Quant Time: Aug 30 03:50:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 30 02:11:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	330709	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	323217	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	123570	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	154818	39.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.180%
7) Chloroethane-d5	1.899	69	130300	45.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.060%
11) 1,1-Dichloroethene-d2	2.562	63	191187	34.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.200%
21) 2-Butanone-d5	4.626	46	237186	92.668	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.670%
24) Chloroform-d	5.063	84	276919	44.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.240%
26) 1,2-Dichloroethane-d4	5.703	65	177851	45.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.180%
32) Benzene-d6	5.726	84	555998	46.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.120%
36) 1,2-Dichloropropane-d6	6.690	67	186672	47.182	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.360%
41) Toluene-d8	7.899	98	455699	43.607	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.220%
43) trans-1,3-Dichloroprop...	8.179	79	70515	42.727	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.460%
47) 2-Hexanone-d5	8.635	63	125050	85.170	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.170%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	278064	45.567	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	149335	50.591	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	4461	1.726	ug/L	99
3) Chloromethane	1.517	50	6879	2.286	ug/L	95
5) Vinyl chloride	1.604	62	6210	2.111	ug/L #	68
6) Bromomethane	1.838	94	2461	2.262	ug/L	86
8) Chloroethane	1.922	64	4645	2.599	ug/L	92
9) Trichlorofluoromethane	2.131	101	7765	2.075	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	6493	2.829	ug/L #	78
12) 1,1-Dichloroethene	2.575	96	5342	2.633	ug/L #	1
13) Acetone	2.629	43	6687	3.974	ug/L	99
14) Carbon disulfide	2.790	76	8896	1.718	ug/L #	94
15) Methyl Acetate	2.957	43	6575	2.172	ug/L	90
16) Methylene chloride	3.044	84	7416	2.623	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	4097	1.921	ug/L	91
18) Methyl tert-butyl Ether	3.366	73	13753	2.038	ug/L	96
19) 1,1-Dichloroethane	3.870	63	9447	2.045	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	5005	1.960	ug/L	97
22) 2-Butanone	4.716	43	10362	4.543	ug/L #	71
23) Bromochloromethane	4.976	128	3137	2.249	ug/L	95
25) Chloroform	5.086	83	13132	2.668	ug/L	92

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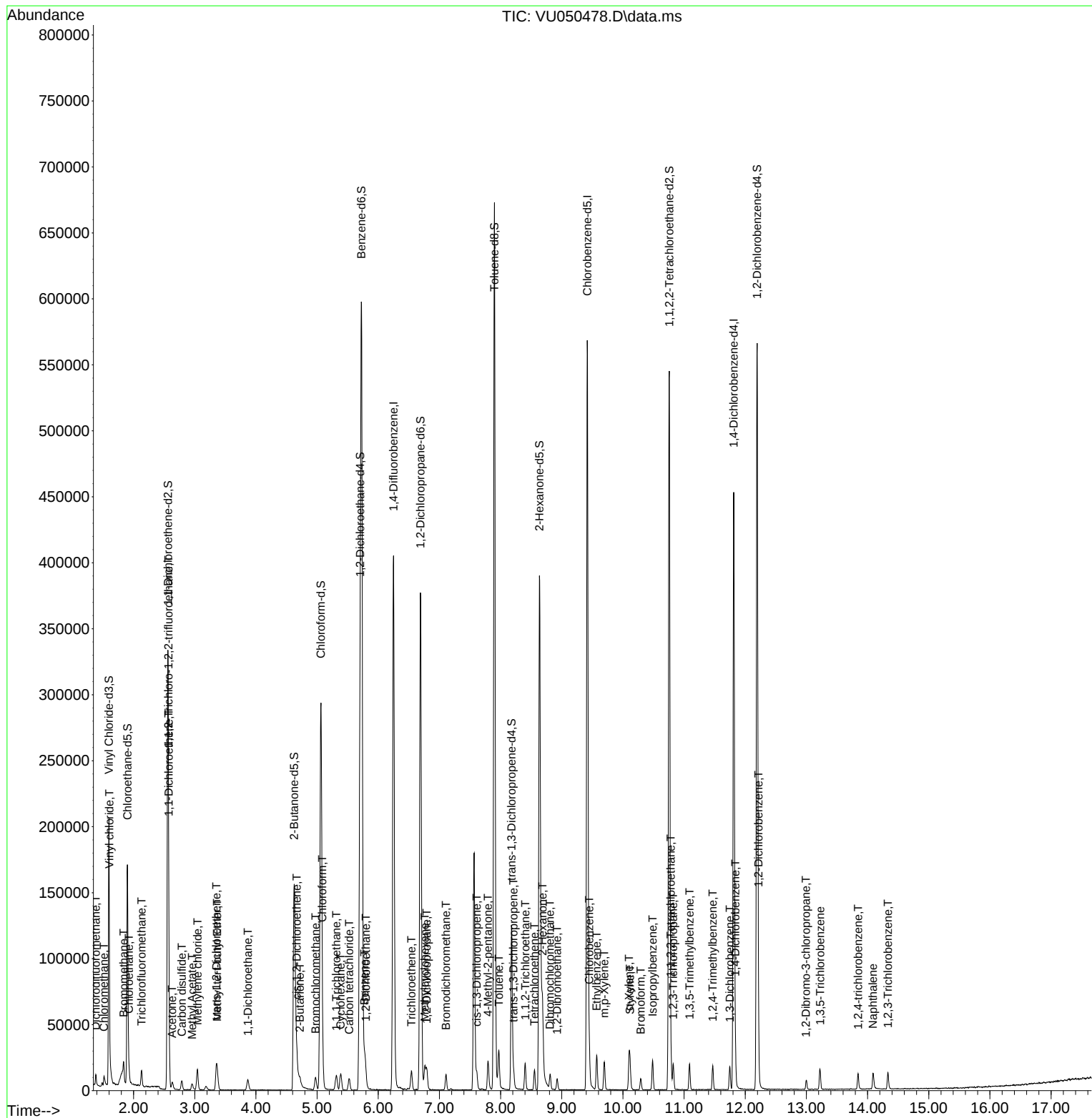
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	8161	2.223	ug/L	99
29) Cyclohexane	5.385	56	5313	1.787	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	8055	2.178	ug/L	98
31) Carbon tetrachloride	5.523	117	6177	2.035	ug/L	98
33) Benzene	5.774	78	21516	2.199	ug/L	100
34) Trichloroethene	6.542	95	4927	2.127	ug/L	95
35) Methylcyclohexane	6.761	83	5677	1.753	ug/L	96
37) 1,2-Dichloropropane	6.790	63	6332	2.228	ug/L #	93
38) Bromodichloromethane	7.108	83	7693	2.121	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	7430	1.990	ug/L	94
40) 4-Methyl-2-pentanone	7.793	43	14797	3.917	ug/L	97
42) Toluene	7.973	91	20477	2.077	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	7412	2.130	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	6117	2.187	ug/L	96
46) Tetrachloroethene	8.552	164	3410	2.004	ug/L	88
48) 2-Hexanone	8.687	43	33021	10.468	ug/L #	88
49) Dibromochloromethane	8.809	129	6082	2.099	ug/L	92
50) 1,2-Dibromoethane	8.925	107	5965	2.134	ug/L #	99
51) Chlorobenzene	9.449	112	14312	2.212	ug/L	96
52) Ethylbenzene	9.571	91	18278	1.839	ug/L	98
53) m,p-Xylene	9.697	106	6273	1.690	ug/L	93
54) o-Xylene	10.098	106	6510	1.766	ug/L	78
55) Styrene	10.118	104	9393	1.497	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	11366	2.224	ug/L #	96
59) Bromoform	10.291	173	4113	2.324	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	8295	2.605	ug/L	98
61) Isopropylbenzene	10.487	105	13949	1.825	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	11042	1.789	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	9971	1.657	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	7414	1.984	ug/L	91
65) 1,4-Dichlorobenzene	11.838	146	8117	2.157	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	9736	2.477	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.992	75	2059	2.433	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.224	180	5340	2.073	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	4060	1.968	ug/L	97
71) Naphthalene	14.089	128	12085	1.786	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	4348	1.928	ug/L	94

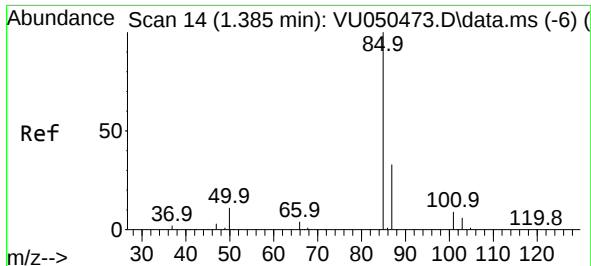
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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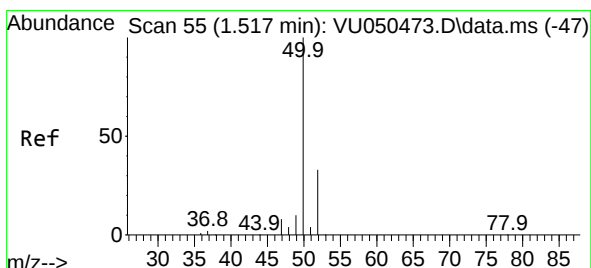
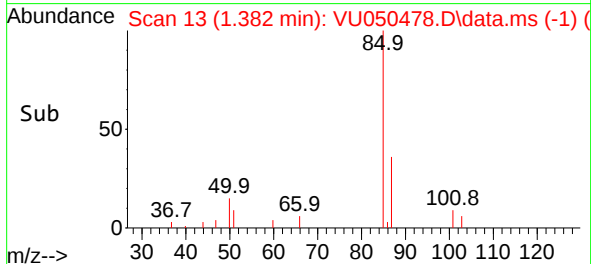
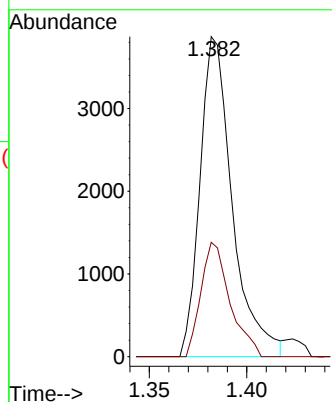
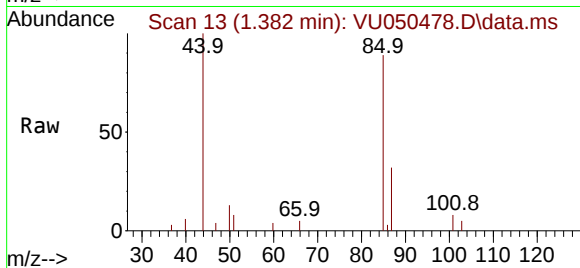




#2
Dichlorodifluoromethane
Concen: 1.726 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

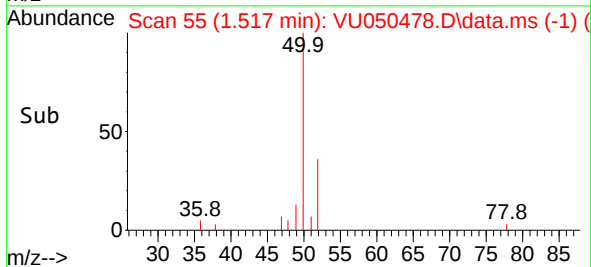
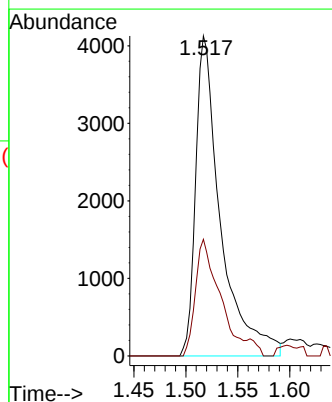
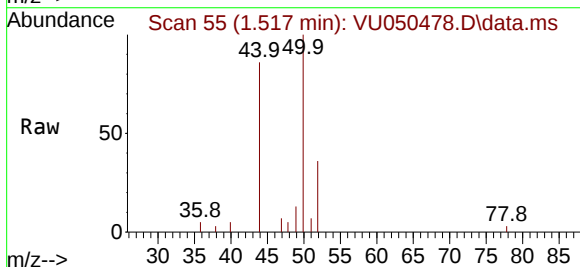
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MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

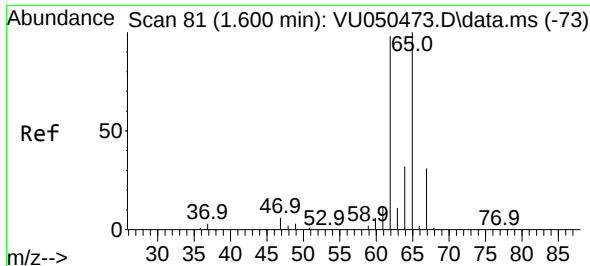
Tgt Ion: 85 Resp: 4461
Ion Ratio Lower Upper
85 100
87 32.1 26.2 39.4



#3
Chloromethane
Concen: 2.286 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion: 50 Resp: 6879
Ion Ratio Lower Upper
50 100
52 36.4 23.4 43.6

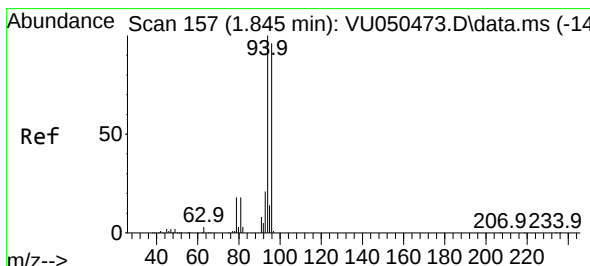
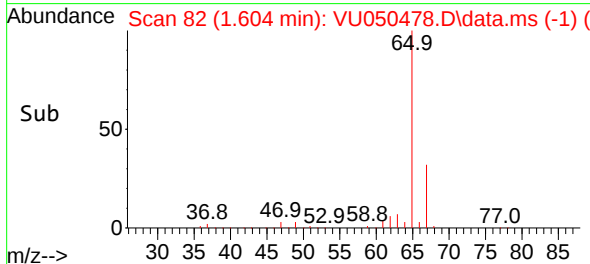
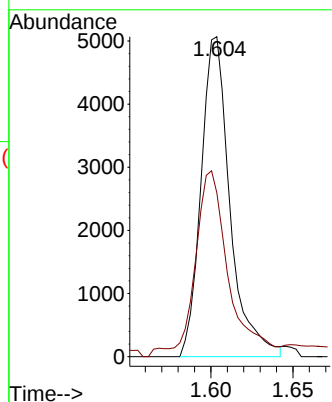
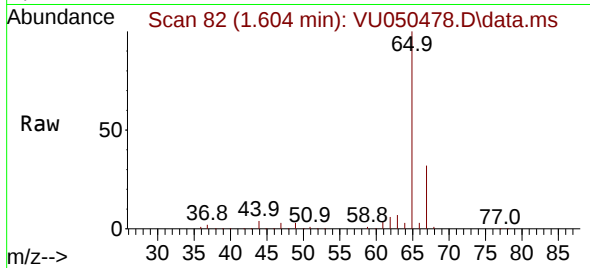




#5
 Vinyl chloride
 Concen: 2.111 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050478.D
 Acq: 29 Aug 2022 12:39

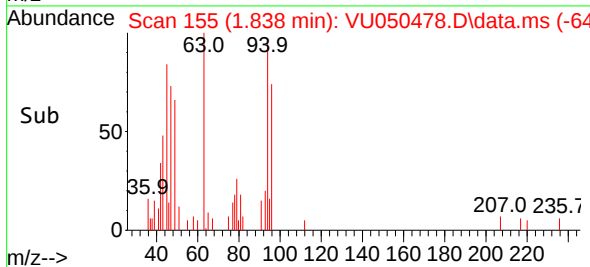
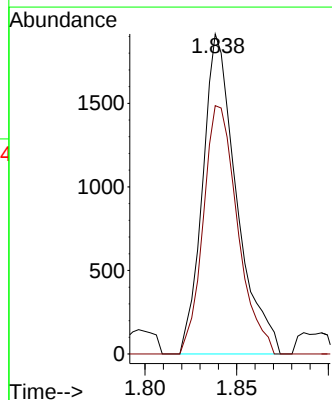
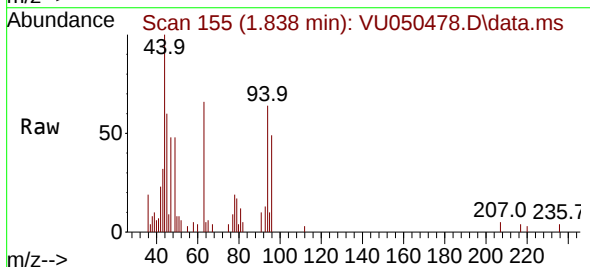
Instrument :
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 ClientSampleId :
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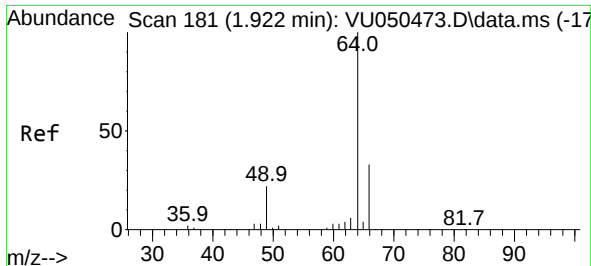
Tgt Ion: 62 Resp: 6210
 Ion Ratio Lower Upper
 62 100
 64 51.2 23.1 42.9#



#6
 Bromomethane
 Concen: 2.262 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.006 min
 Lab File: VU050478.D
 Acq: 29 Aug 2022 12:39

Tgt Ion: 94 Resp: 2461
 Ion Ratio Lower Upper
 94 100
 96 77.6 63.3 117.5





#8

Chloroethane

Concen: 2.599 ug/L

RT: 1.922 min Scan# 181

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

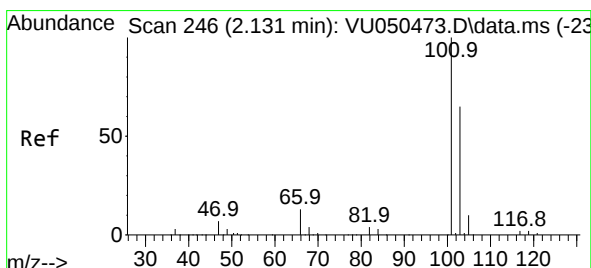
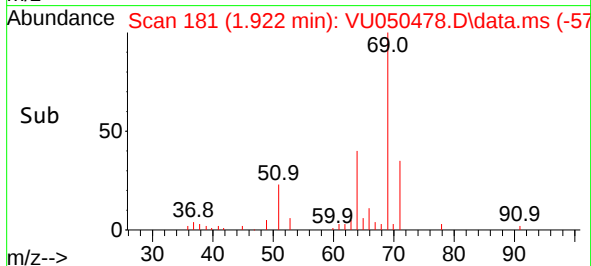
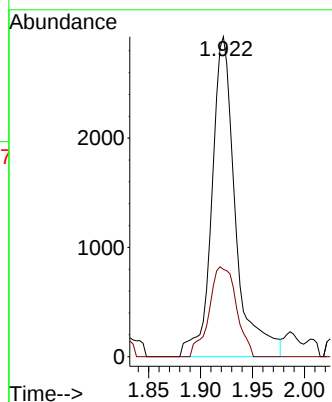
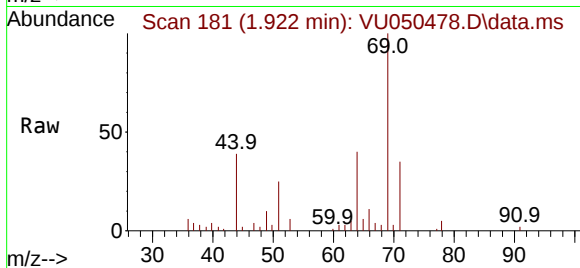
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 64 Resp: 4645

Ion Ratio Lower Upper

64 100

66 27.3 22.3 41.3



#9

Trichlorofluoromethane

Concen: 2.075 ug/L

RT: 2.131 min Scan# 246

Delta R.T. -0.000 min

Lab File: VU050478.D

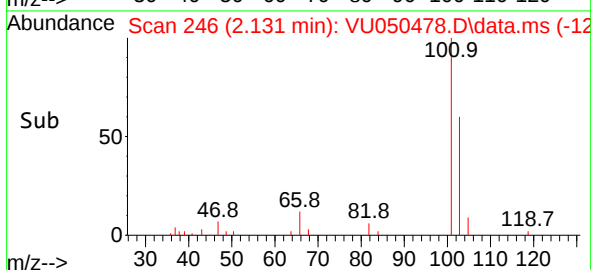
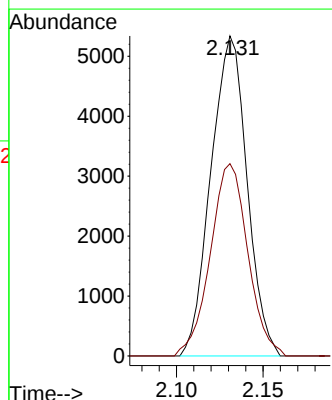
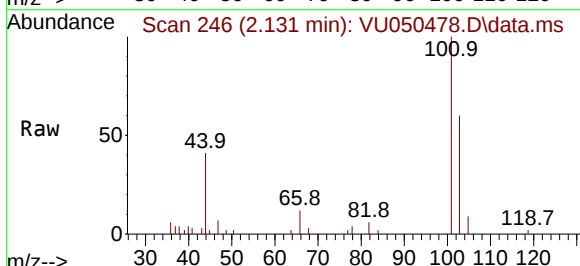
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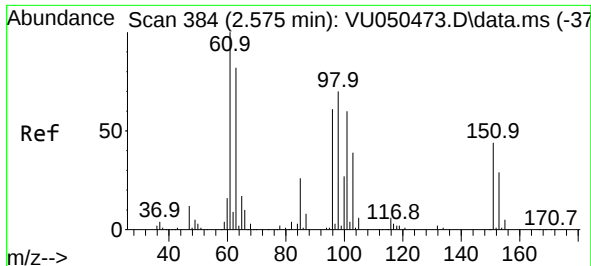
Tgt Ion: 101 Resp: 7765

Ion Ratio Lower Upper

101 100

103 62.2 51.1 76.7

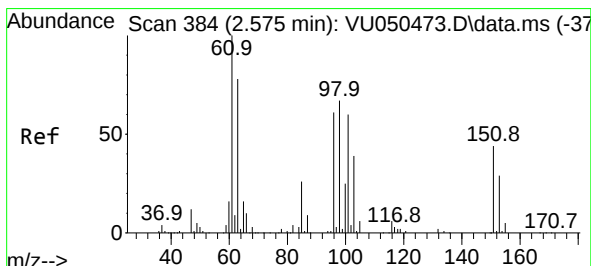
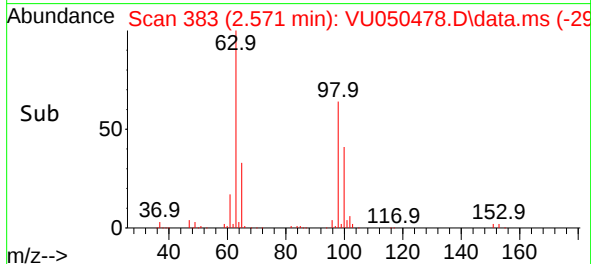
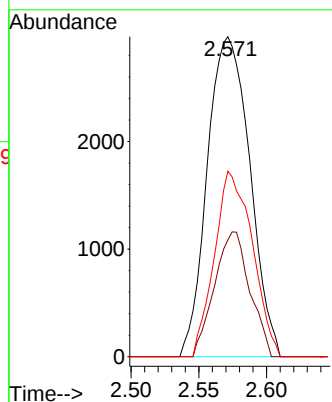
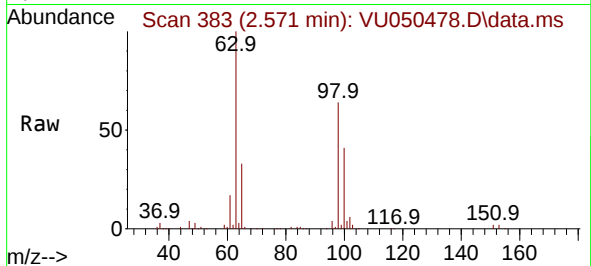




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.829 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU050478.D
 Acq: 29 Aug 2022 12:39

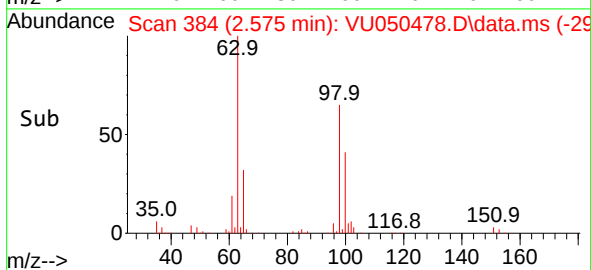
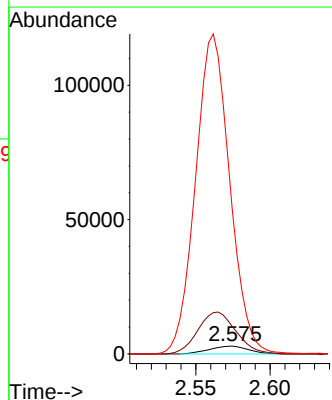
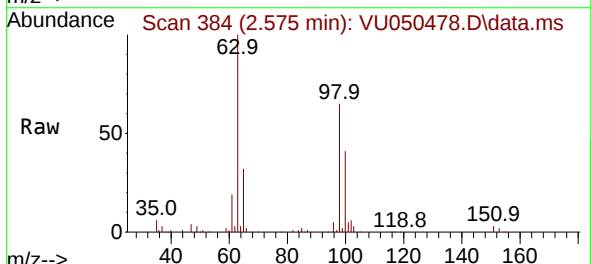
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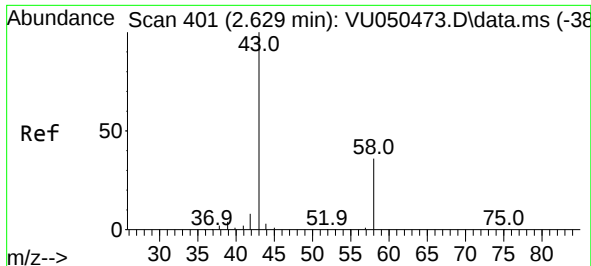
Tgt Ion:101 Resp: 6493
 Ion Ratio Lower Upper
 101 100
 85 32.4 35.3 52.9#
 151 51.5 57.3 85.9#



#12
 1,1-Dichloroethene
 Concen: 2.633 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050478.D
 Acq: 29 Aug 2022 12:39

Tgt Ion: 96 Resp: 5342
 Ion Ratio Lower Upper
 96 100
 61 349.3 116.8 216.8#
 63 1828.1 97.4 180.8#





#13

Acetone

Concen: 3.974 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

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ClientSampleId :

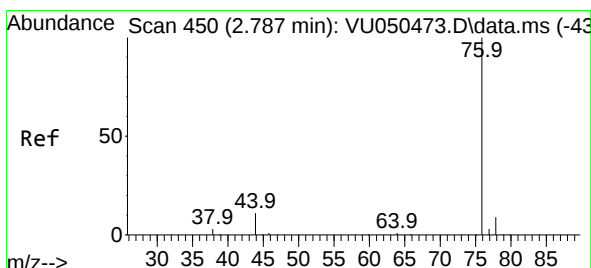
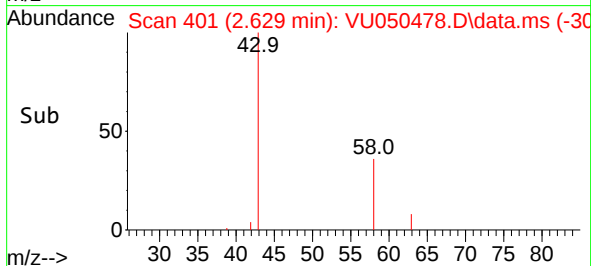
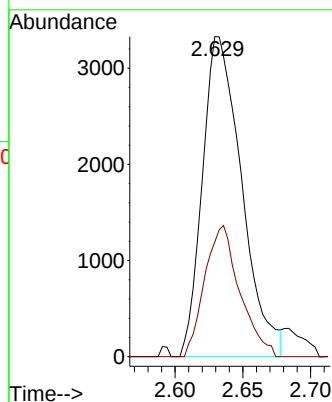
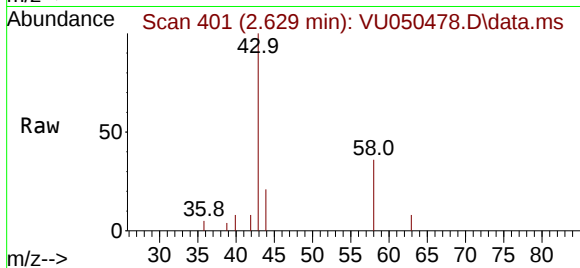
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 43 Resp: 6687

Ion Ratio Lower Upper

43 100

58 36.7 0.0 72.2



#14

Carbon disulfide

Concen: 1.718 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050478.D

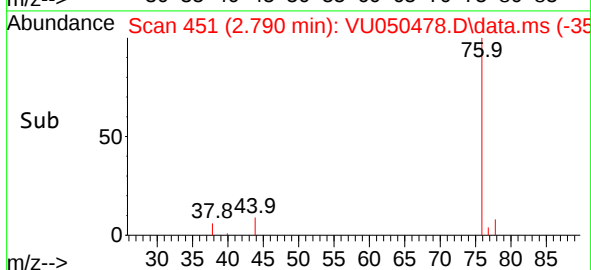
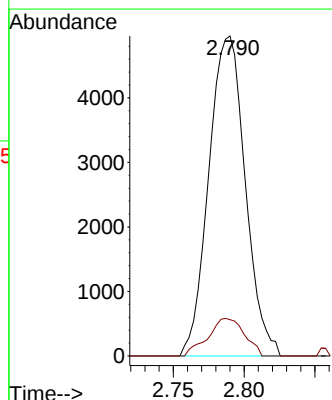
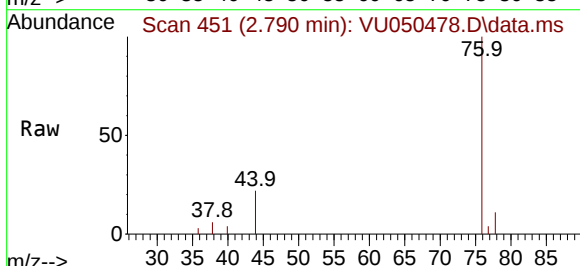
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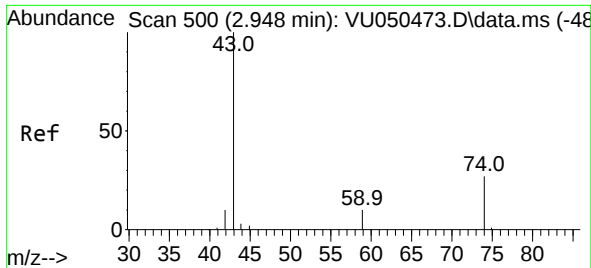
Tgt Ion: 76 Resp: 8896

Ion Ratio Lower Upper

76 100

78 11.3 7.3 10.9#

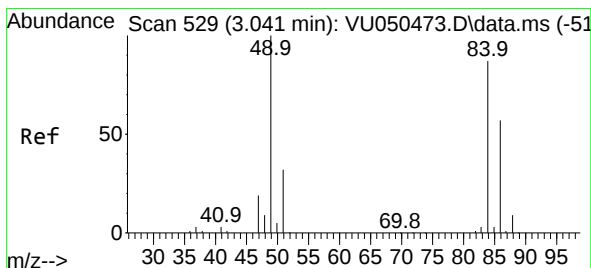
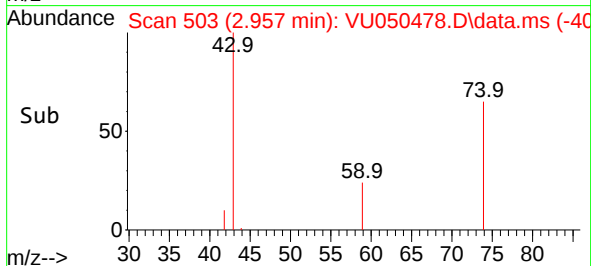
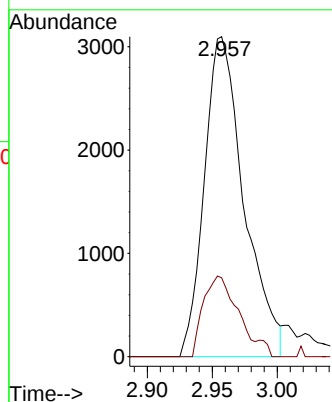
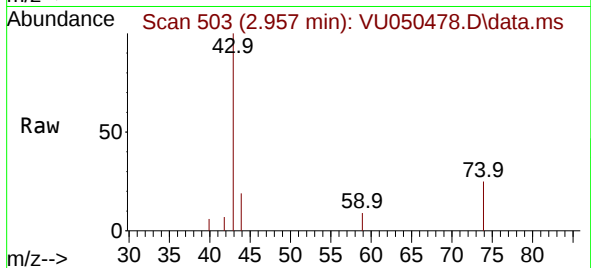




#15
Methyl Acetate
Concen: 2.172 ug/L
RT: 2.957 min Scan# 50
Delta R.T. 0.010 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

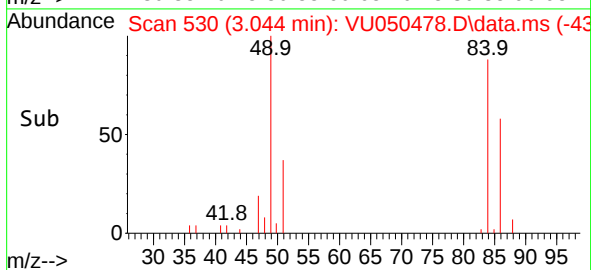
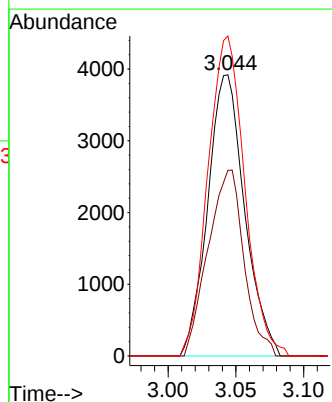
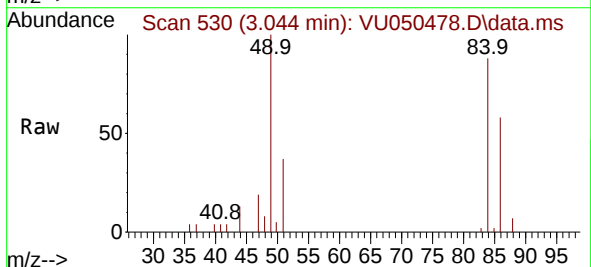
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

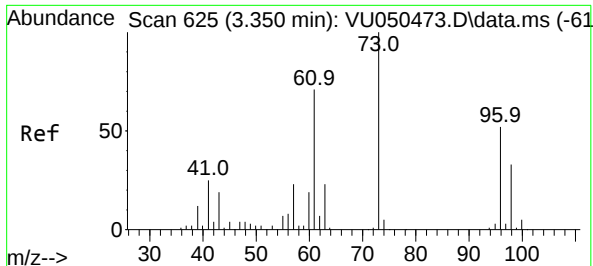
Tgt Ion: 43 Resp: 6575
Ion Ratio Lower Upper
43 100
74 21.4 21.2 31.8



#16
Methylene chloride
Concen: 2.623 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion: 84 Resp: 7416
Ion Ratio Lower Upper
84 100
86 66.0 43.9 81.5
49 113.8 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 1.921 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

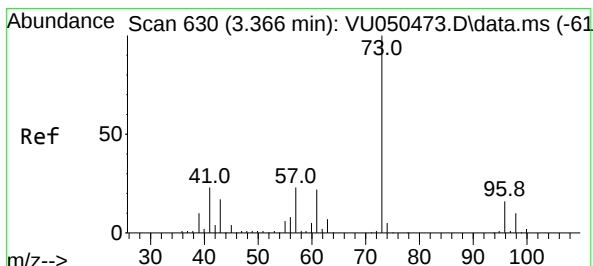
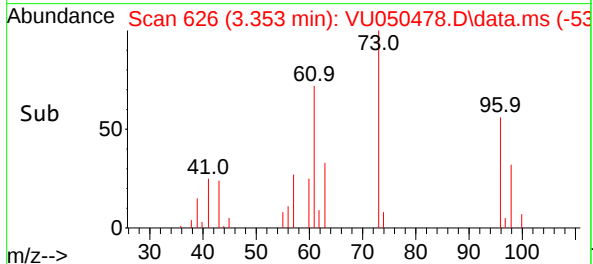
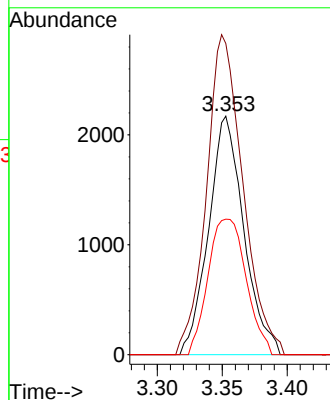
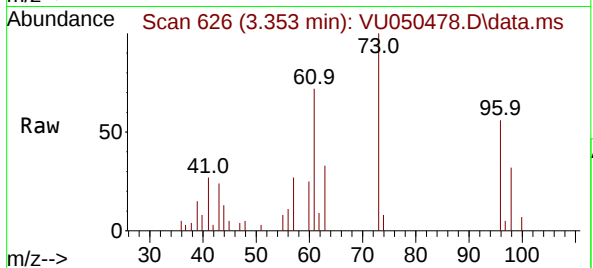
Tgt Ion: 96 Resp: 4097

Ion Ratio Lower Upper

96 100

61 130.4 98.5 182.9

98 56.8 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 2.038 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

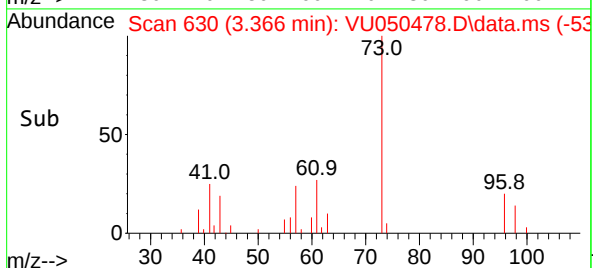
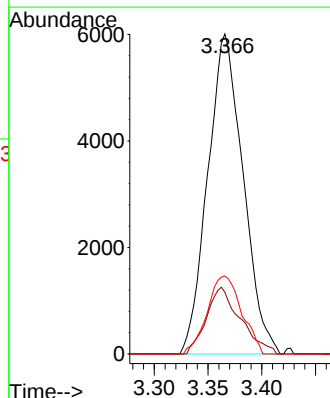
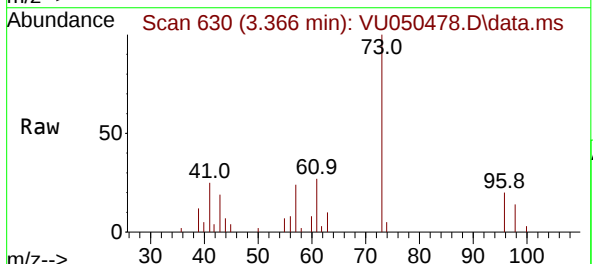
Tgt Ion: 73 Resp: 13753

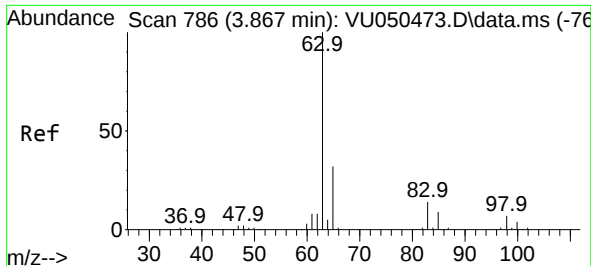
Ion Ratio Lower Upper

73 100

43 20.1 14.4 21.6

57 23.6 17.8 26.8





#19

1,1-Dichloroethane

Concen: 2.045 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

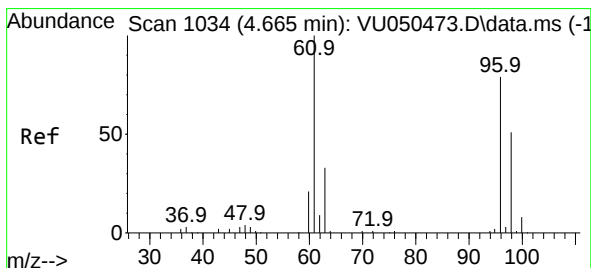
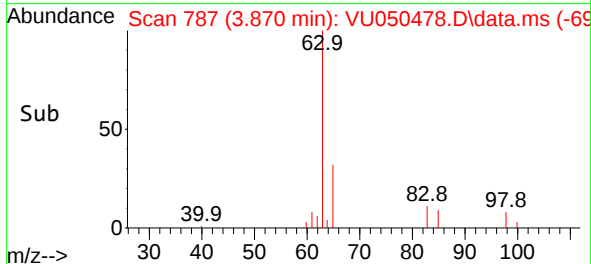
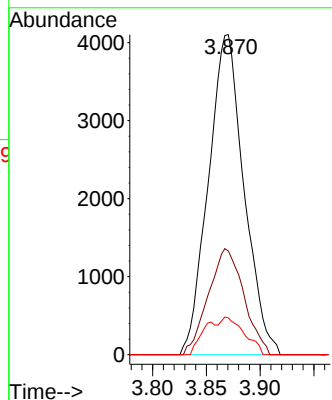
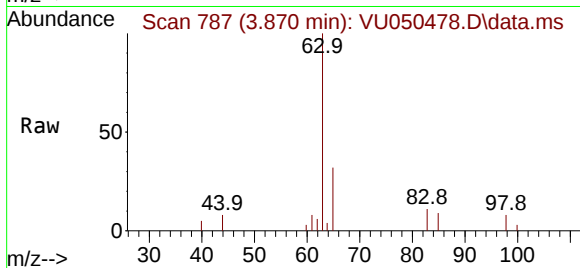
Tgt Ion: 63 Resp: 9447

Ion Ratio Lower Upper

63 100

65 31.3 23.3 43.3

83 11.1 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 1.960 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

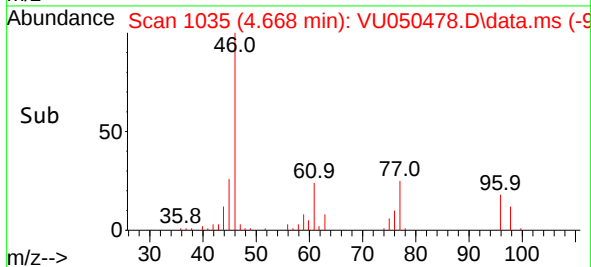
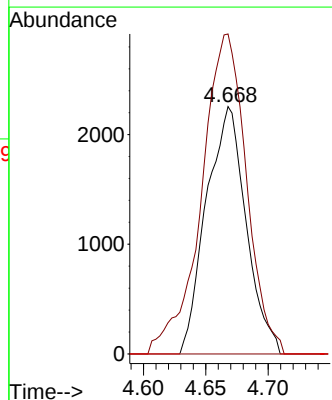
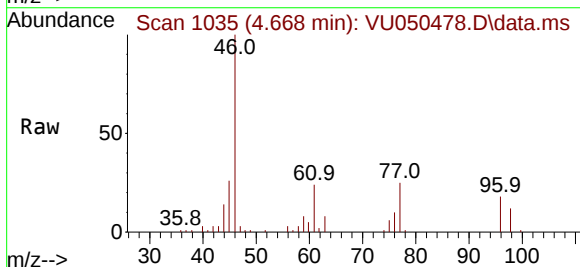
Tgt Ion: 96 Resp: 5005

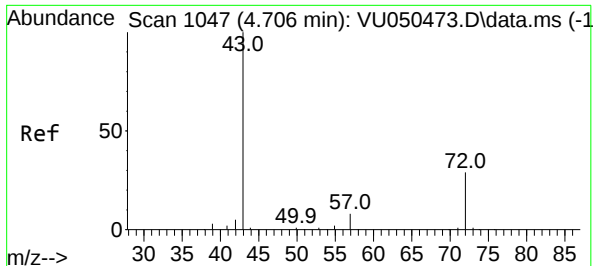
Ion Ratio Lower Upper

96 100

61 129.3 88.1 163.5

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.543 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.010 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

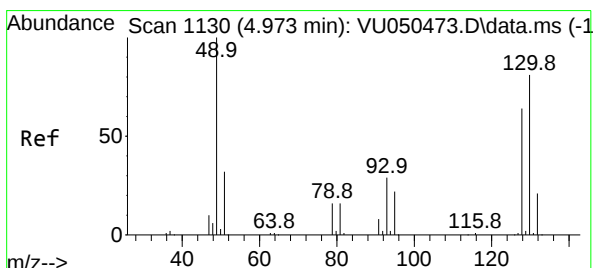
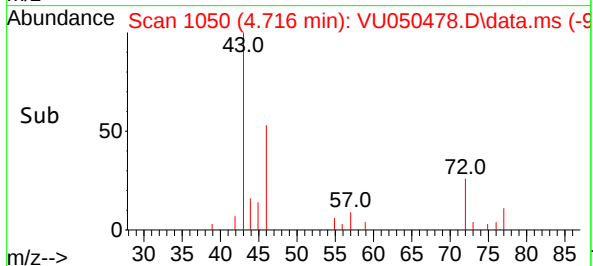
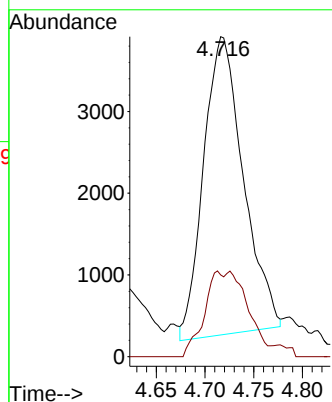
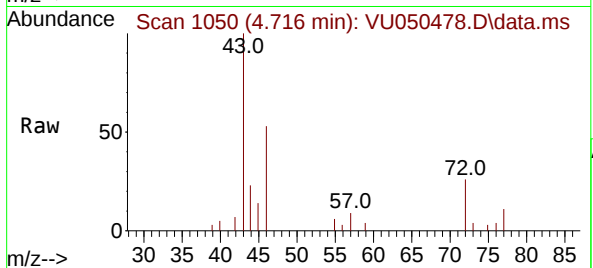
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 43 Resp: 10362

Ion Ratio Lower Upper

43 100

72 14.3 15.0 45.0#



#23

Bromochloromethane

Concen: 2.249 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Tgt Ion: 128 Resp: 3137

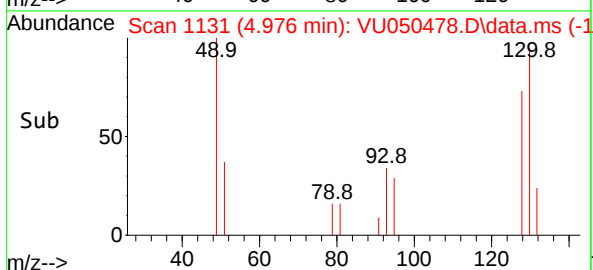
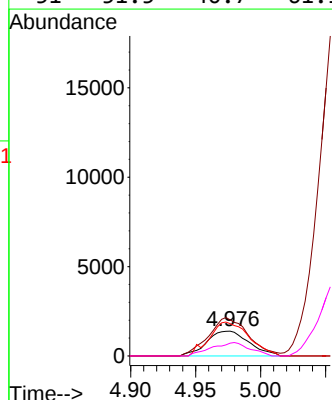
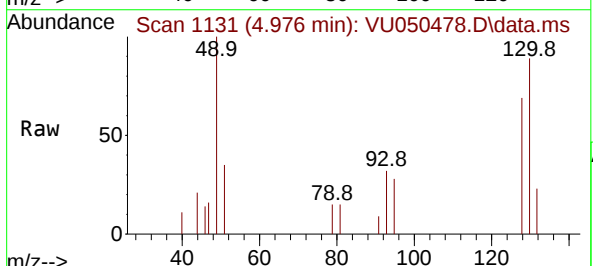
Ion Ratio Lower Upper

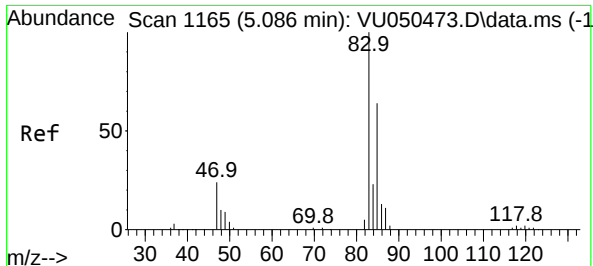
128 100

49 145.6 111.2 206.4

130 130.2 91.1 169.1

51 51.5 40.7 61.1





#25

Chloroform

Concen: 2.668 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

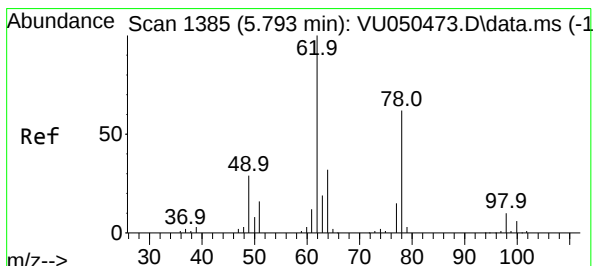
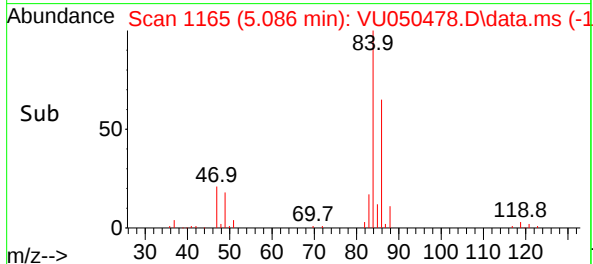
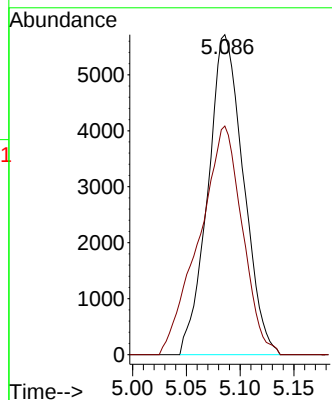
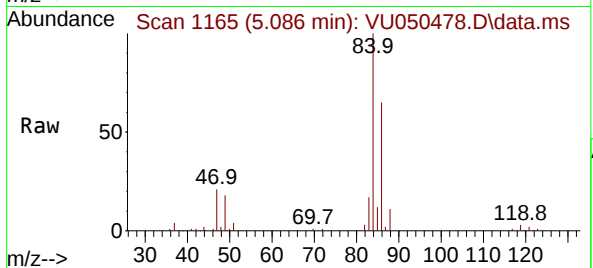
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 83 Resp: 13132

Ion Ratio Lower Upper

83 100

85 71.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 2.223 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU050478.D

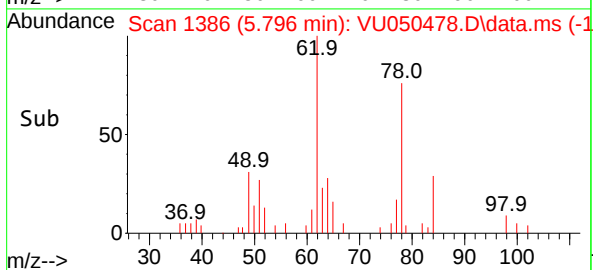
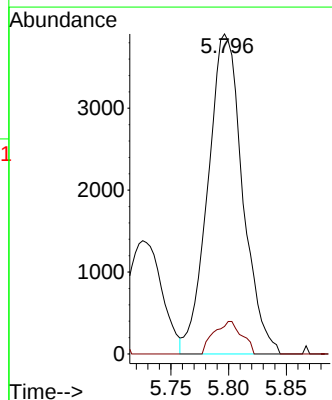
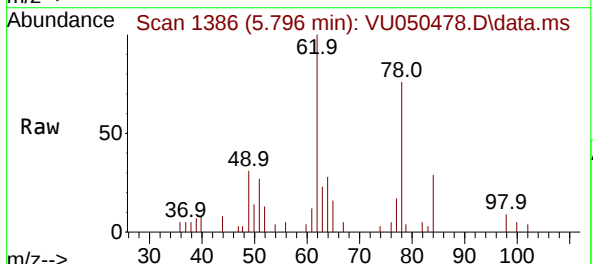
Acq: 29 Aug 2022 12:39

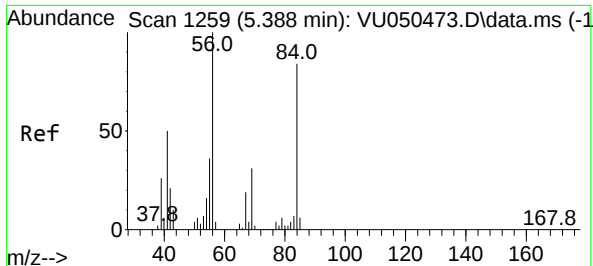
Tgt Ion: 62 Resp: 8161

Ion Ratio Lower Upper

62 100

98 8.6 7.3 10.9





#29

Cyclohexane

Concen: 1.787 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

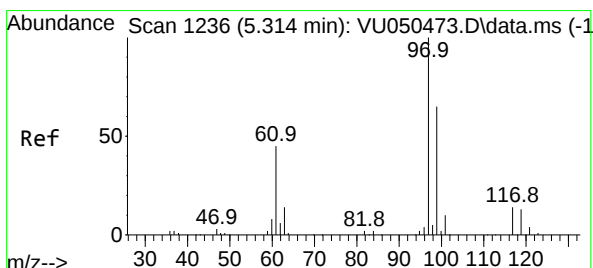
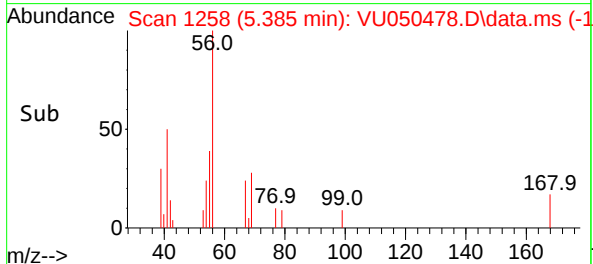
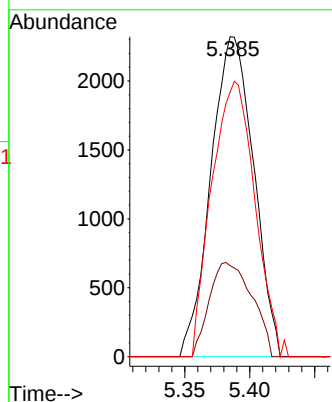
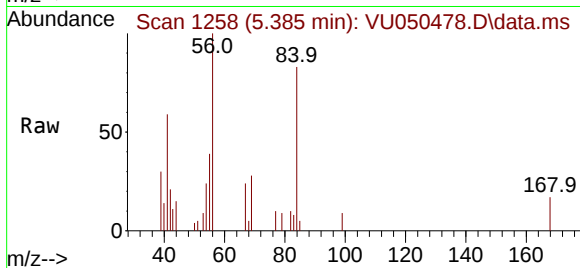
Tgt Ion: 56 Resp: 5313

Ion Ratio Lower Upper

56 100

69 29.3 24.6 36.8

84 86.3 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 2.178 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

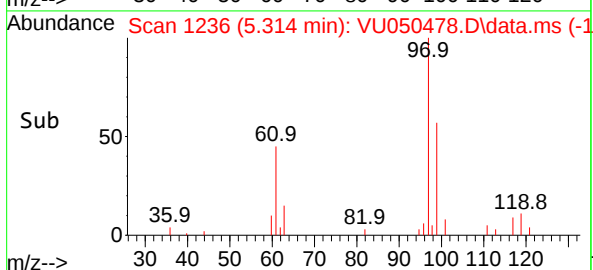
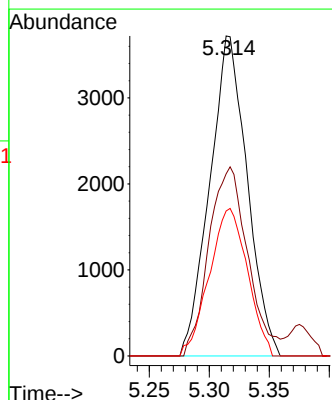
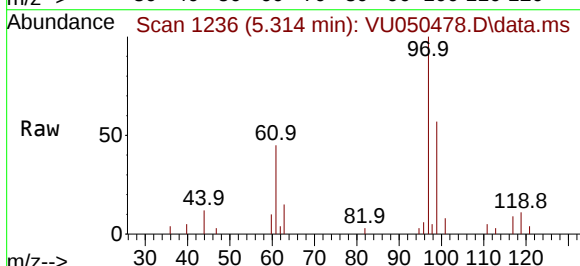
Tgt Ion: 97 Resp: 8055

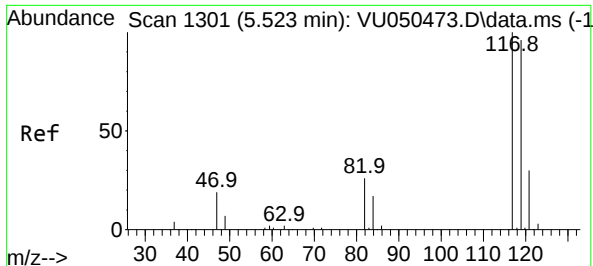
Ion Ratio Lower Upper

97 100

99 61.8 51.2 76.8

61 47.1 36.6 55.0

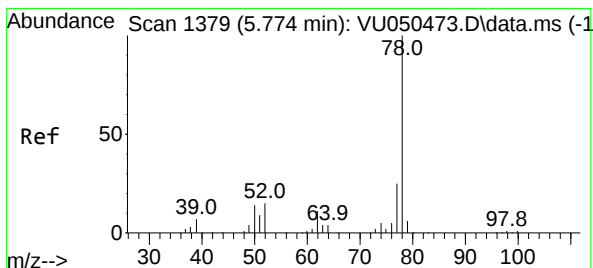
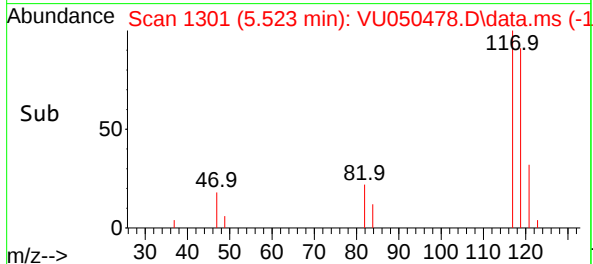
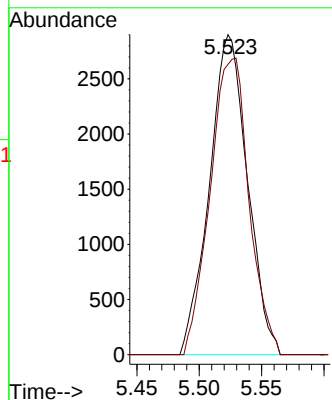
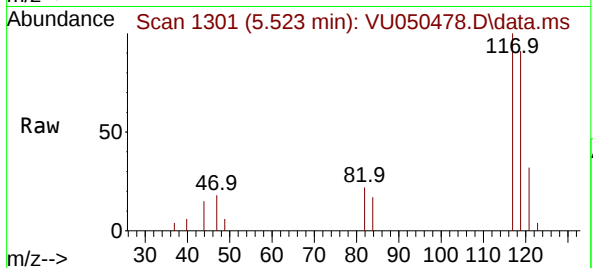




#31
Carbon tetrachloride
Concen: 2.035 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

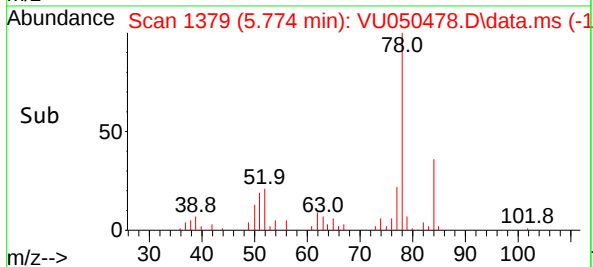
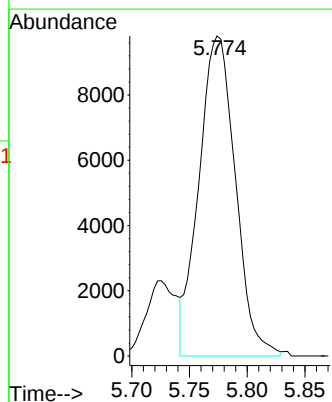
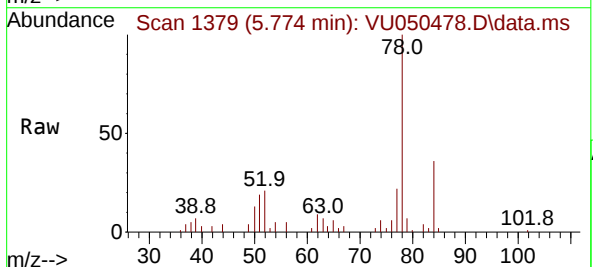
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-06

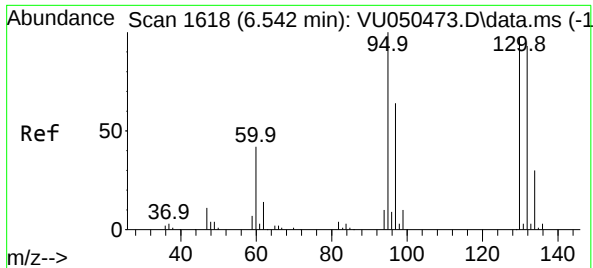
Tgt Ion:117 Resp: 6177
Ion Ratio Lower Upper
117 100
119 94.5 76.9 115.3



#33
Benzene
Concen: 2.199 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion: 78 Resp: 21516



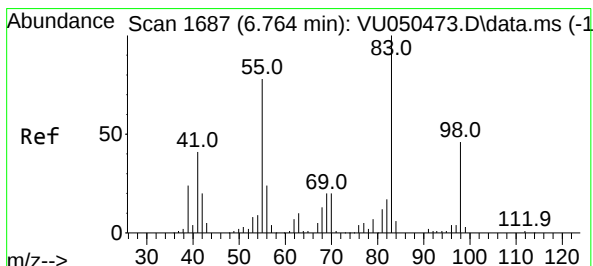
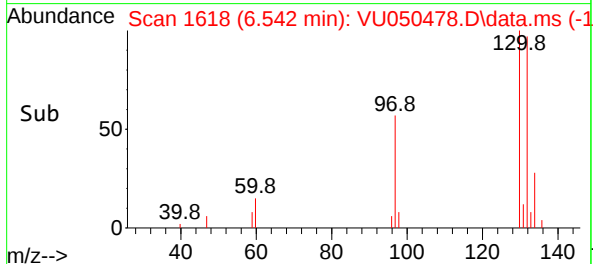
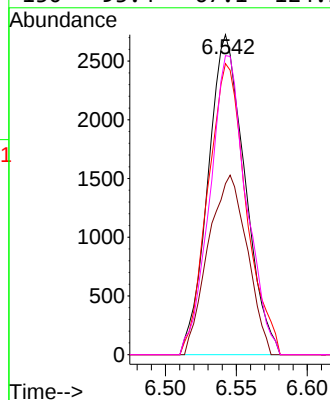
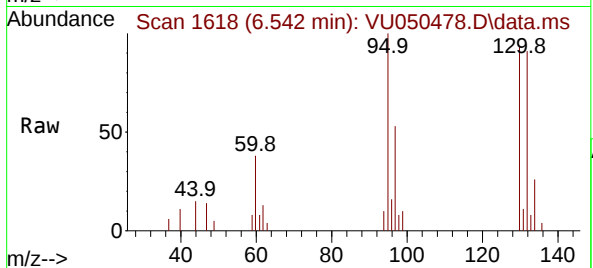


#34
Trichloroethene
Concen: 2.127 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 95 Resp: 4927

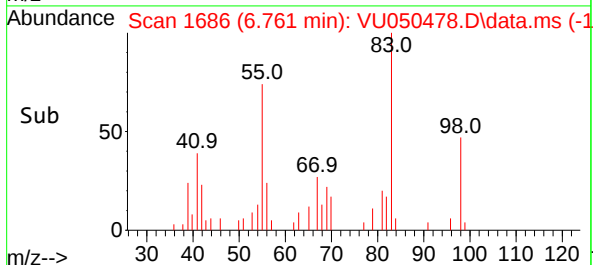
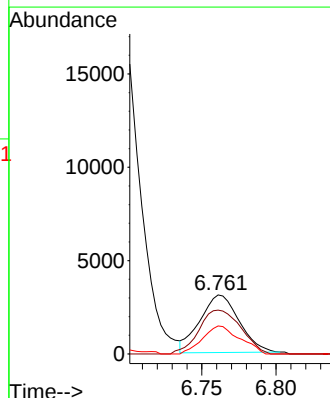
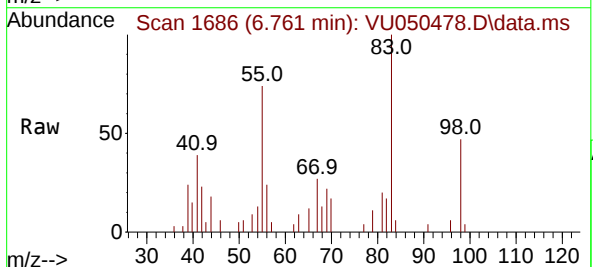
Ion	Ratio	Lower	Upper
95	100		
97	53.4	45.2	84.0
132	90.9	64.4	119.6
130	93.4	67.1	124.5

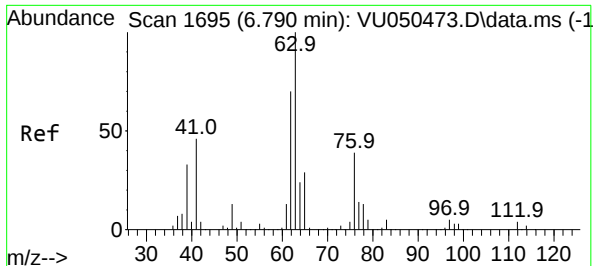


#35
Methylcyclohexane
Concen: 1.753 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion: 83 Resp: 5677

Ion	Ratio	Lower	Upper
83	100		
55	81.4	61.9	92.9
98	45.9	35.8	53.8





#37

1,2-Dichloropropane

Concen: 2.228 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

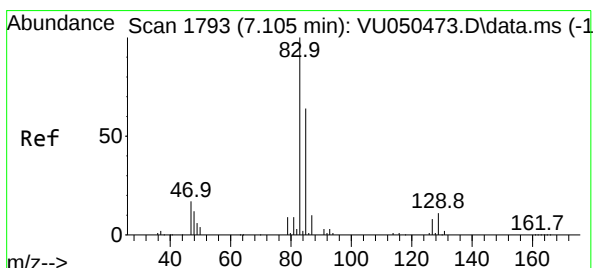
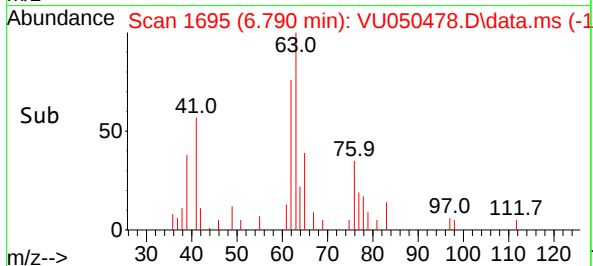
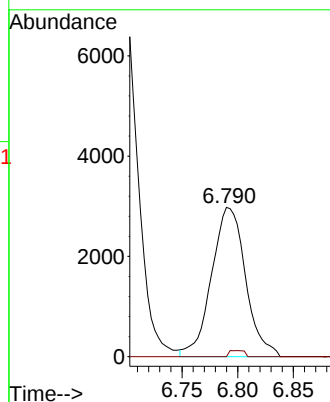
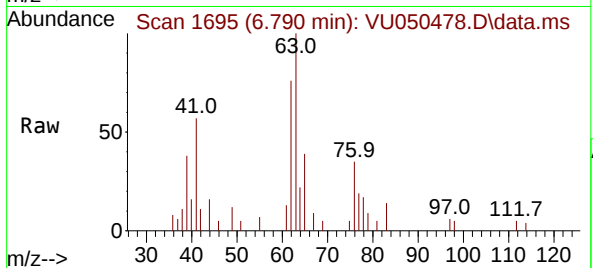
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 63 Resp: 6332

Ion Ratio Lower Upper

63 100

112 1.5 3.0 4.4#



#38

Bromodichloromethane

Concen: 2.121 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

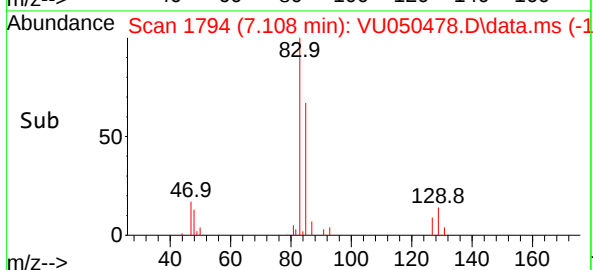
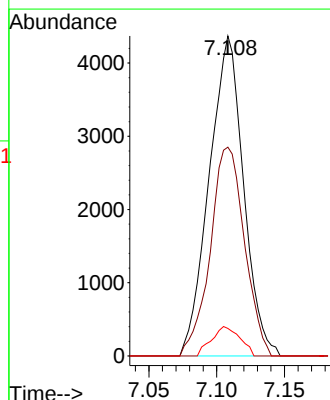
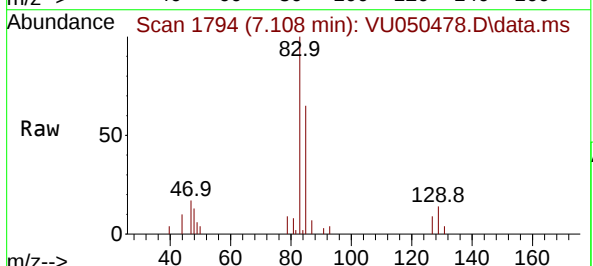
Tgt Ion: 83 Resp: 7693

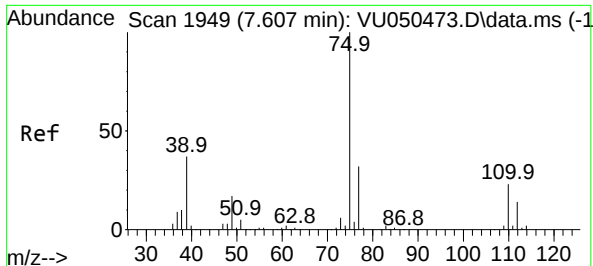
Ion Ratio Lower Upper

83 100

85 65.3 46.2 85.8

127 8.6 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 1.990 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

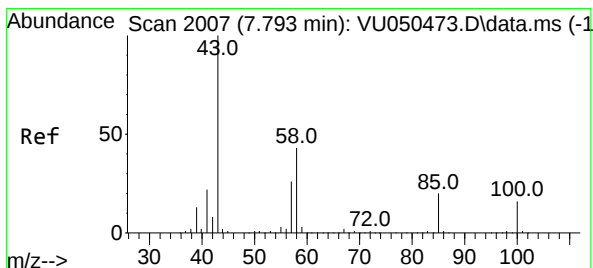
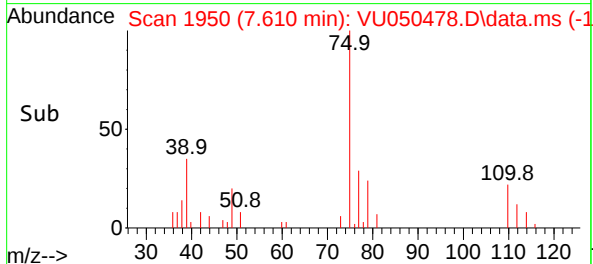
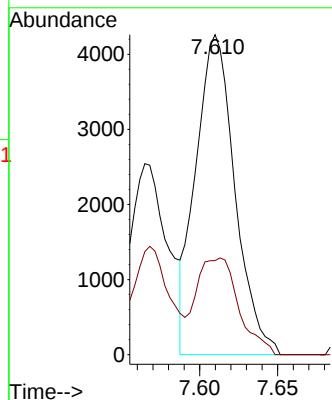
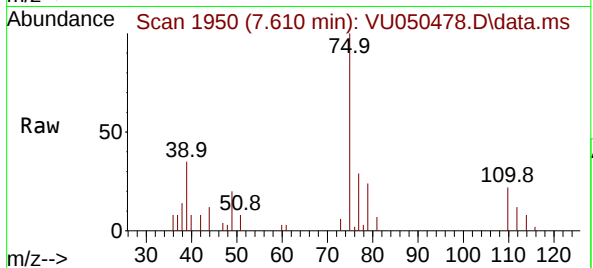
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 75 Resp: 7430

Ion Ratio Lower Upper

75 100

77 29.4 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 3.917 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

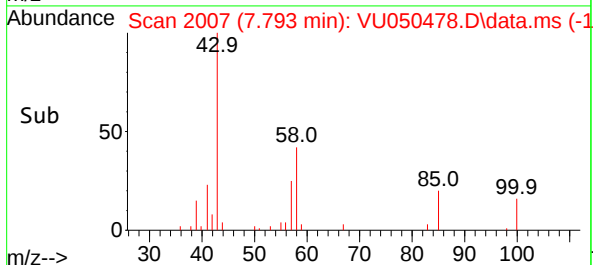
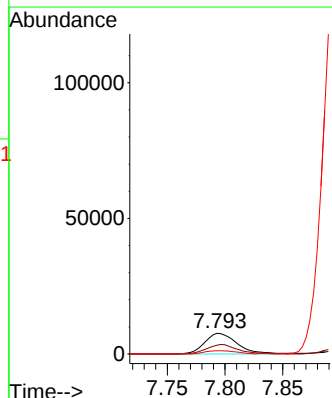
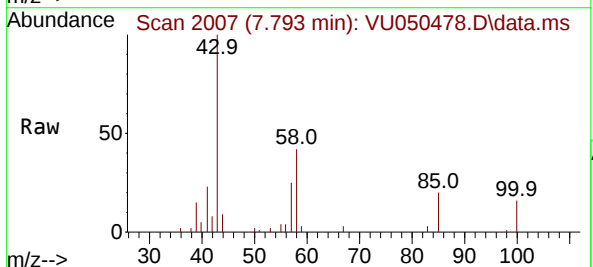
Tgt Ion: 43 Resp: 14797

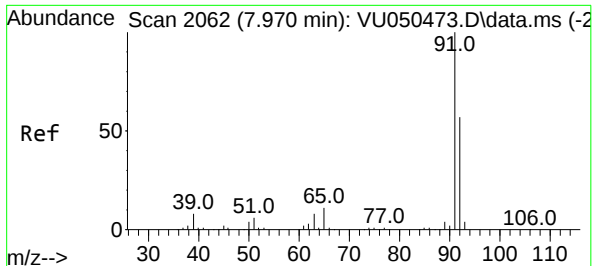
Ion Ratio Lower Upper

43 100

58 44.1 34.0 51.0

100 15.1 13.0 19.4





#42

Toluene

Concen: 2.077 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

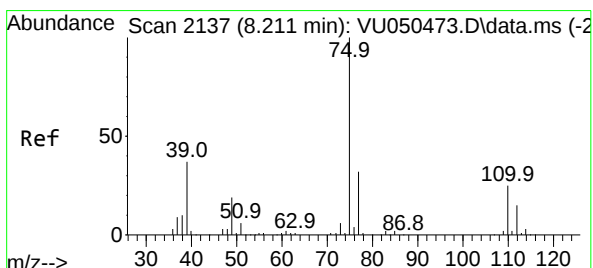
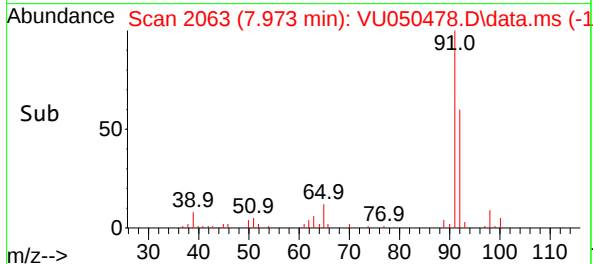
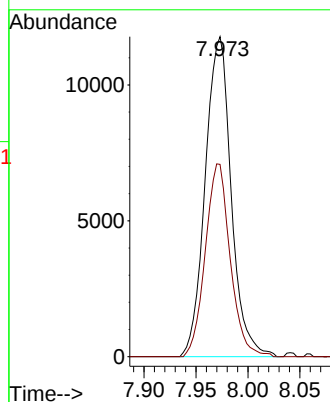
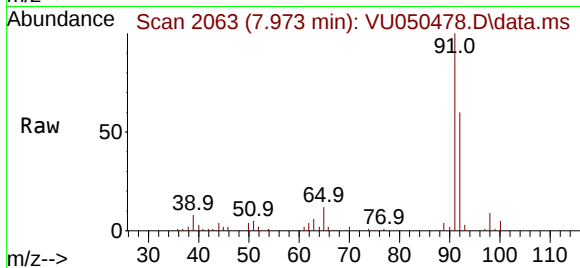
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 91 Resp: 20477

Ion Ratio Lower Upper

91 100

92 60.1 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 2.130 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050478.D

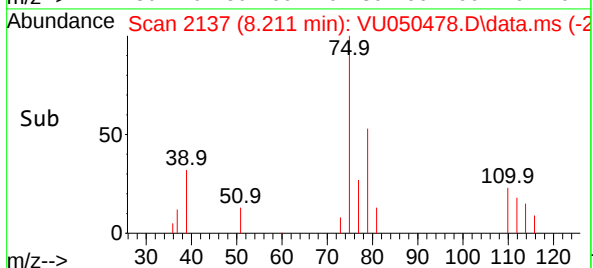
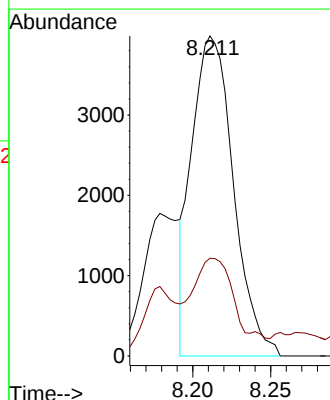
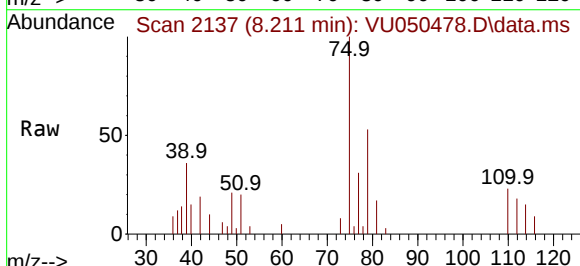
Acq: 29 Aug 2022 12:39

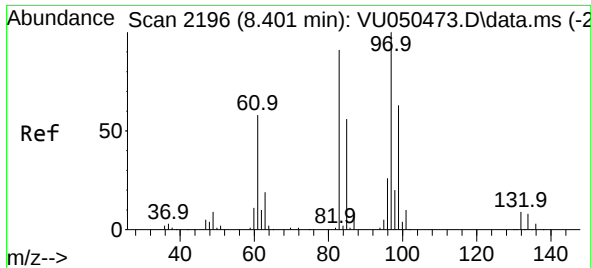
Tgt Ion: 75 Resp: 7412

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 2.187 ug/L

RT: 8.404 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 97 Resp: 6117

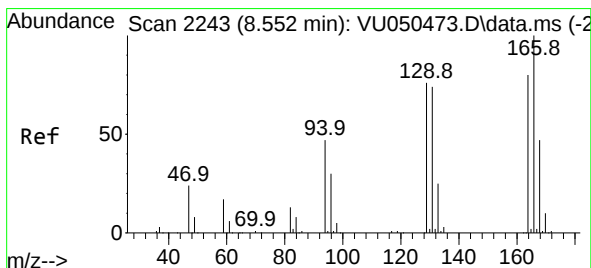
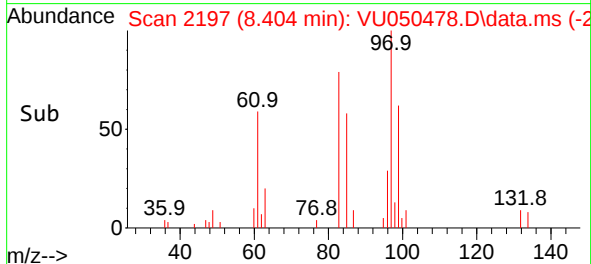
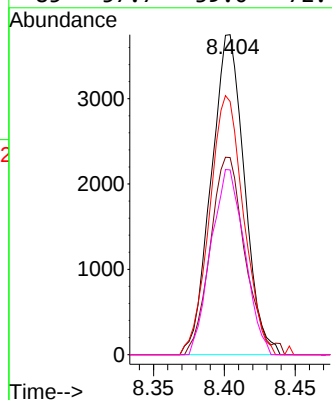
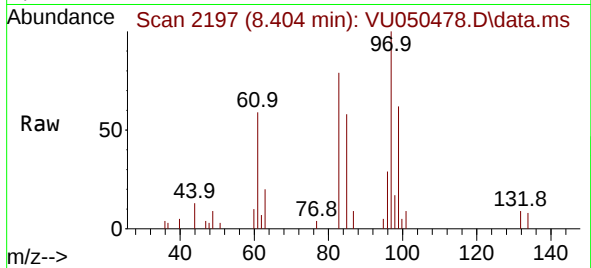
Ion Ratio Lower Upper

97 100

99 61.6 43.3 80.3

83 79.1 60.3 112.1

85 57.7 39.0 72.4



#46

Tetrachloroethene

Concen: 2.004 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Tgt Ion: 164 Resp: 3410

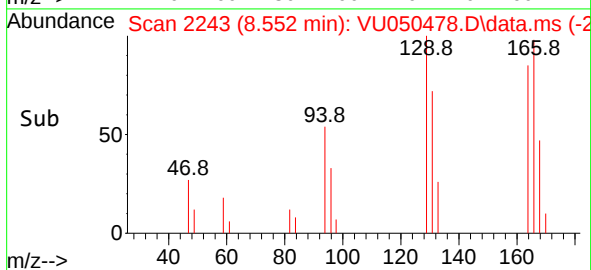
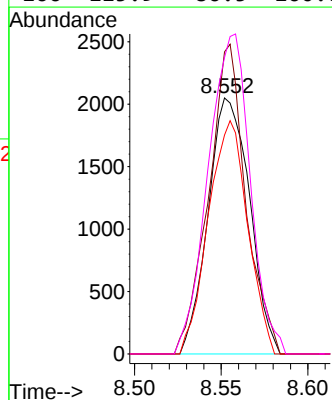
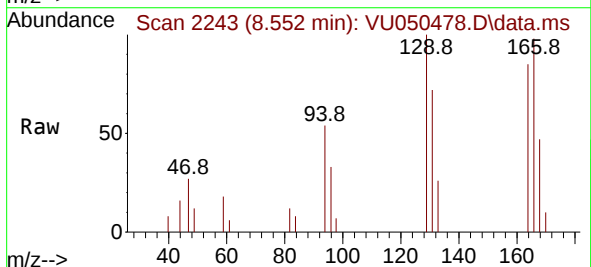
Ion Ratio Lower Upper

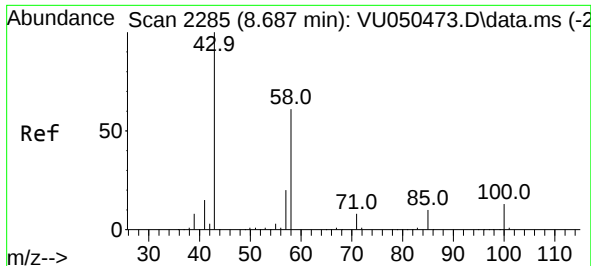
164 100

129 118.0 68.0 126.4

131 85.5 65.4 121.4

166 115.9 86.5 160.7

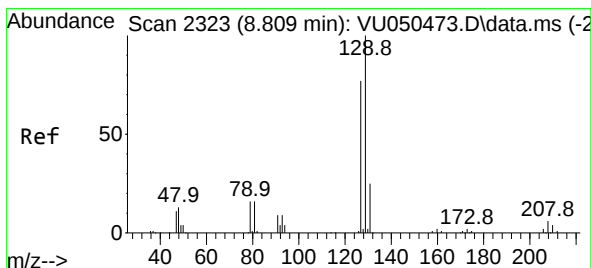
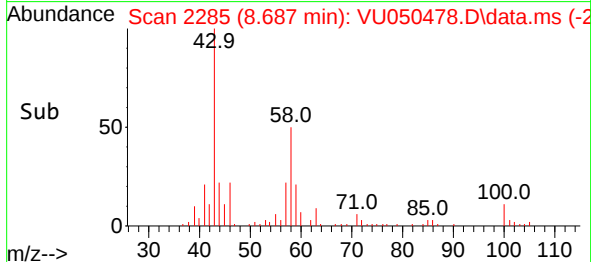
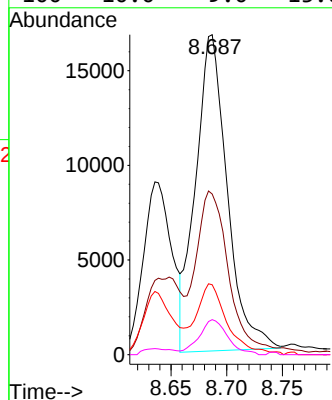
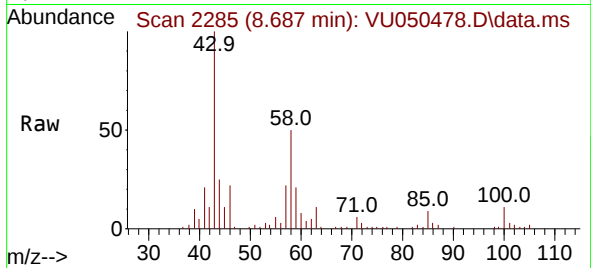




#48
2-Hexanone
Concen: 10.468 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

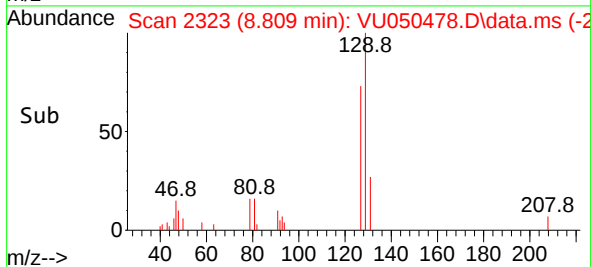
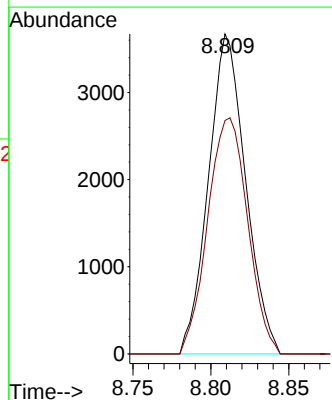
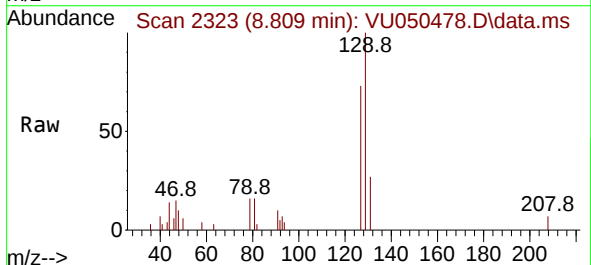
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

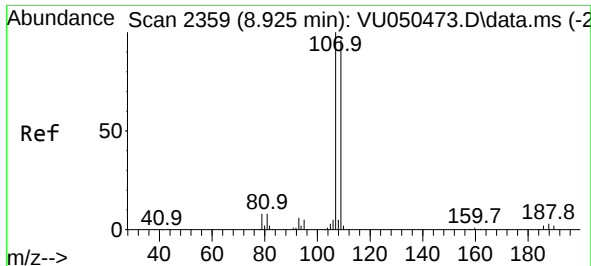
Tgt Ion: 43	Resp: 33021
Ion Ratio	Lower Upper
43	100
58	47.5 47.9 71.9#
57	21.1 15.4 23.0
100	10.0 9.0 13.6



#49
Dibromochloromethane
Concen: 2.099 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion: 129	Resp: 6082
Ion Ratio	Lower Upper
129	100
127	73.0 55.9 103.7





#50

1,2-Dibromoethane

Concen: 2.134 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

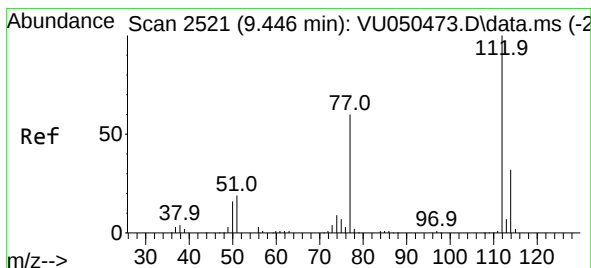
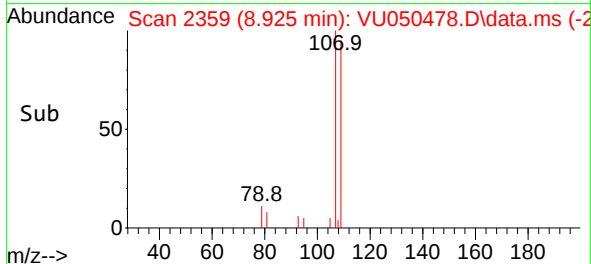
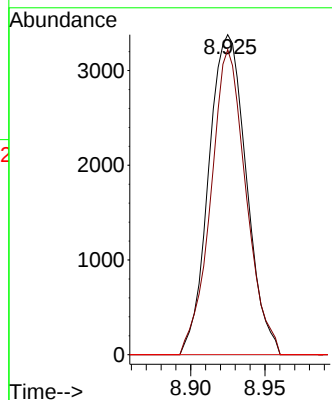
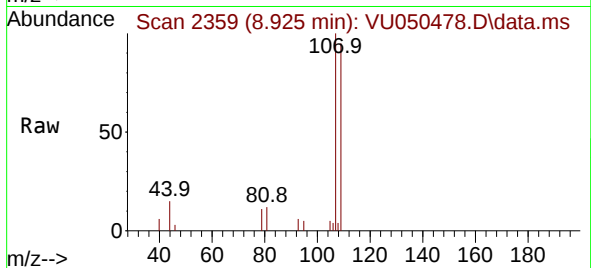
Tgt Ion:107 Resp: 5965

Ion Ratio Lower Upper

107 100

109 95.3 66.0 122.6

188 0.0 2.7 4.1#



#51

Chlorobenzene

Concen: 2.212 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

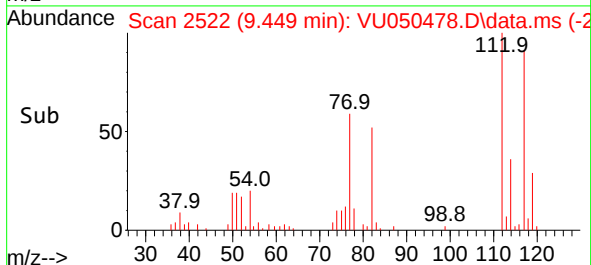
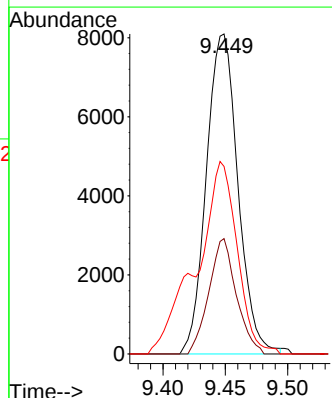
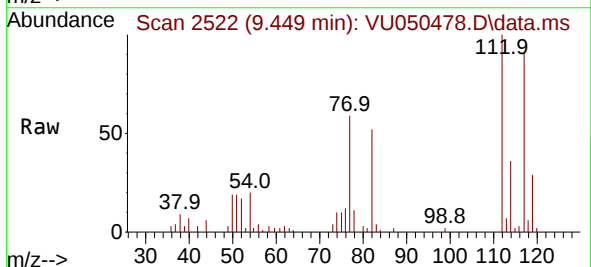
Tgt Ion:112 Resp: 14312

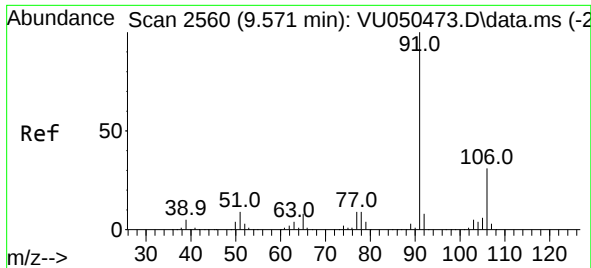
Ion Ratio Lower Upper

112 100

114 36.1 21.8 40.6

77 58.6 47.6 71.4

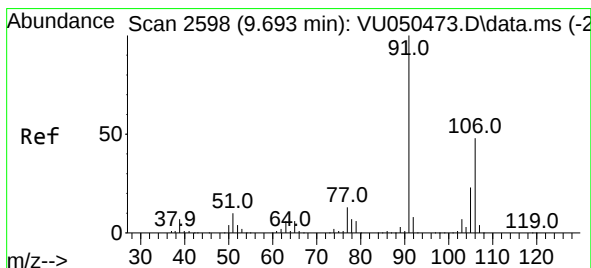
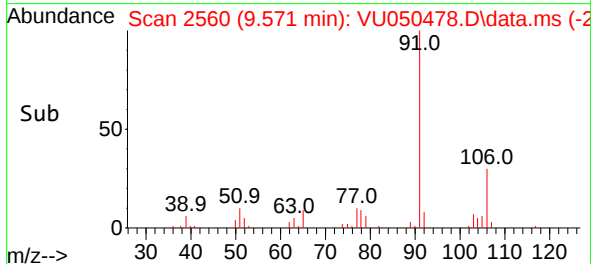
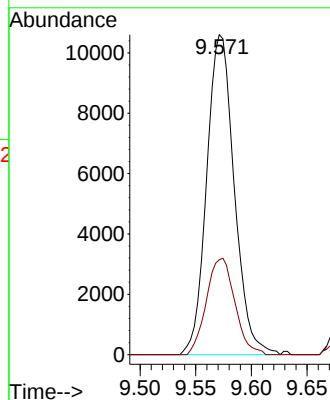
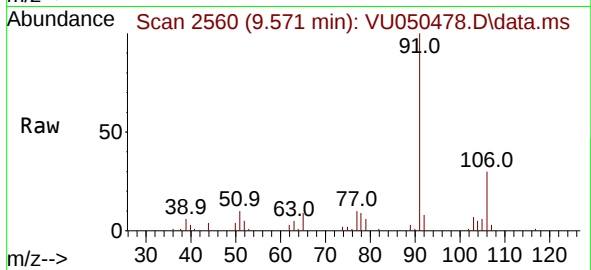




#52
Ethylbenzene
Concen: 1.839 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

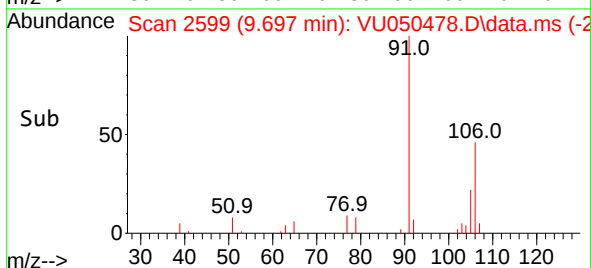
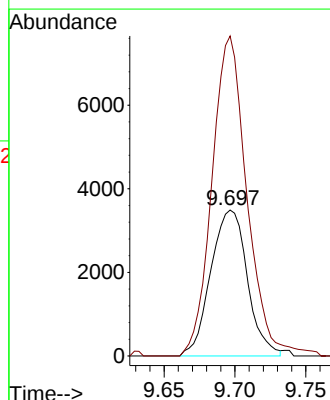
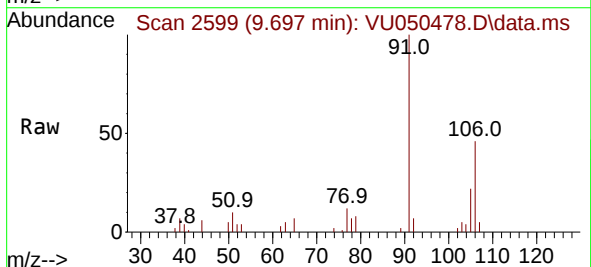
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-06

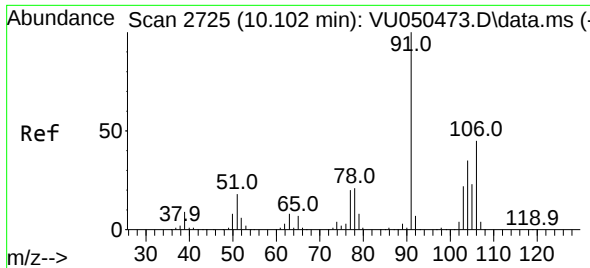
Tgt Ion: 91 Resp: 18278
Ion Ratio Lower Upper
91 100
106 29.6 21.7 40.3



#53
m,p-Xylene
Concen: 1.690 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion: 106 Resp: 6273
Ion Ratio Lower Upper
106 100
91 219.4 145.9 270.9

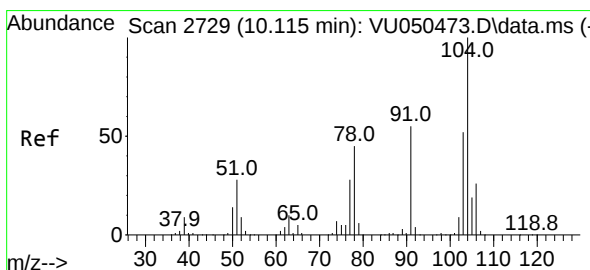
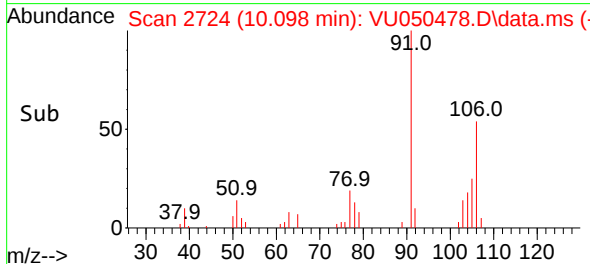
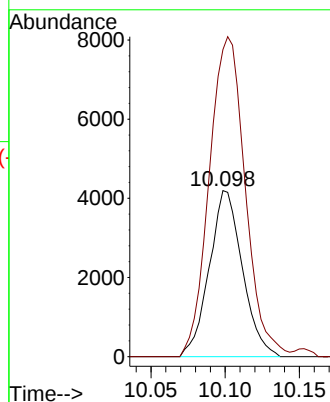
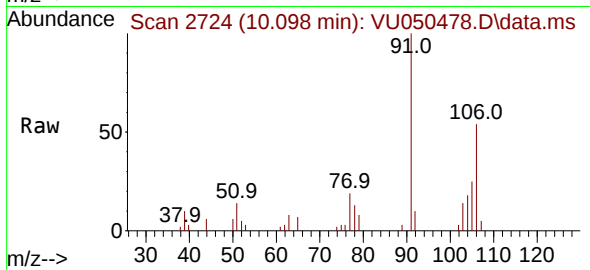




#54
o-Xylene
Concen: 1.766 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

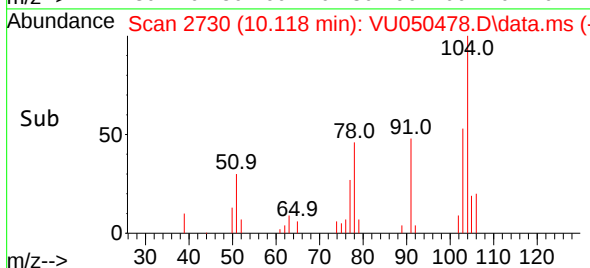
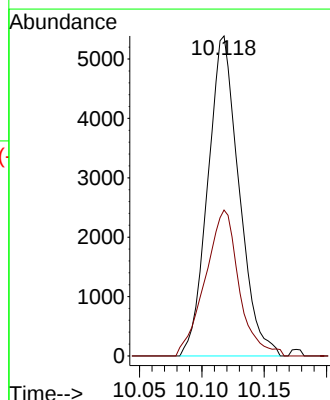
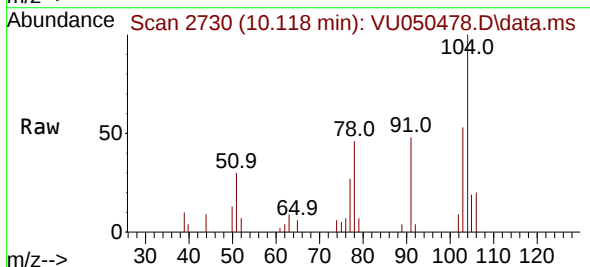
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

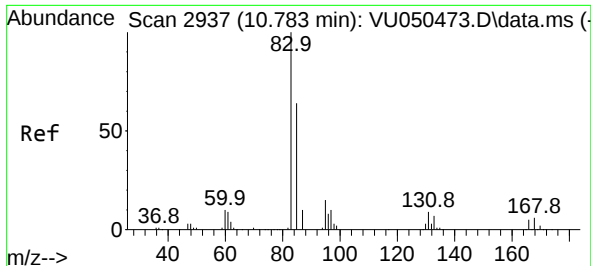
Tgt Ion:106 Resp: 6510
Ion Ratio Lower Upper
106 100
91 184.8 154.8 287.4



#55
Styrene
Concen: 1.497 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion:104 Resp: 9393
Ion Ratio Lower Upper
104 100
78 45.6 31.6 58.8





#57

1,1,2-Tetrachloroethane

Concen: 2.224 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

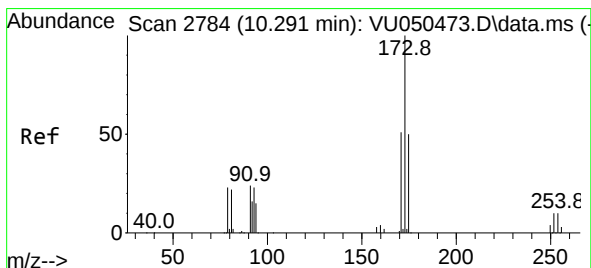
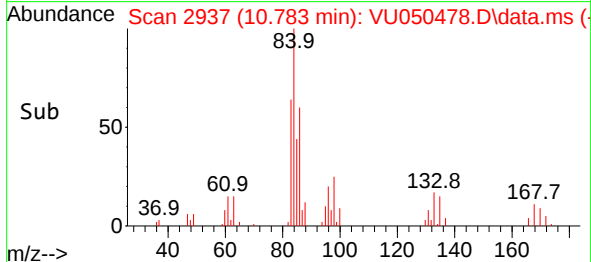
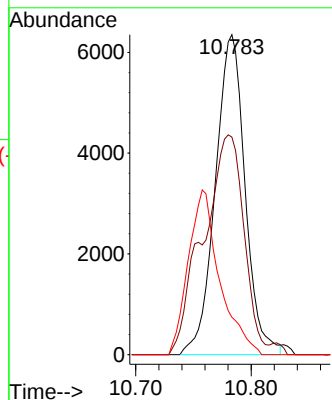
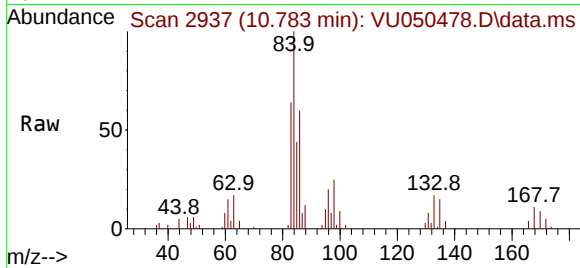
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

Tgt Ion:	83	Resp:	11366
Ion	Ratio	Lower	Upper
83	100		
85	68.0	45.4	84.2
131	11.7	7.2	10.8



#59

Bromoform

Concen: 2.324 ug/L

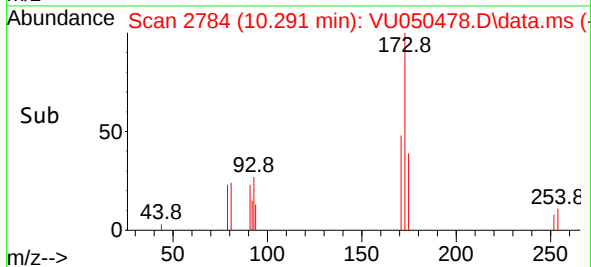
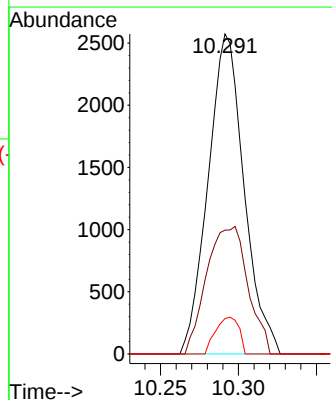
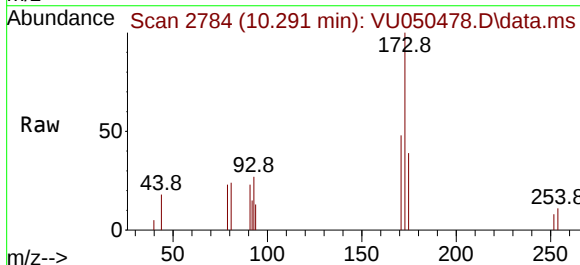
RT: 10.291 min Scan# 2784

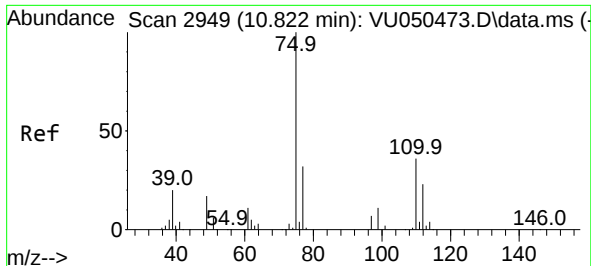
Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Tgt Ion:	173	Resp:	4113
Ion	Ratio	Lower	Upper
173	100		
175	45.8	38.4	57.6
254	7.4	7.1	10.7

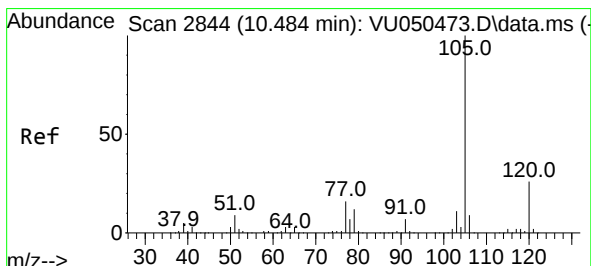
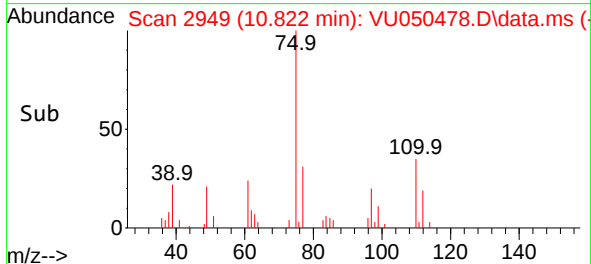
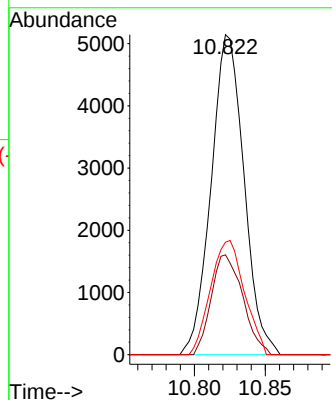
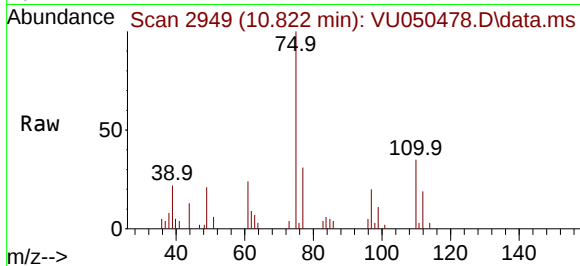




#60
1,2,3-Trichloropropane
Concen: 2.605 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

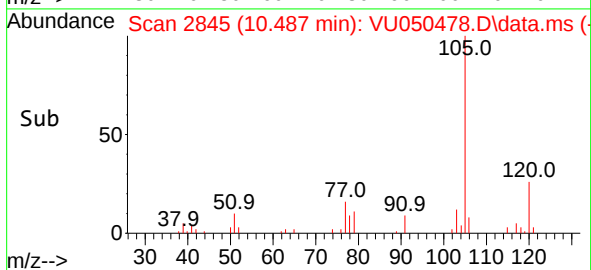
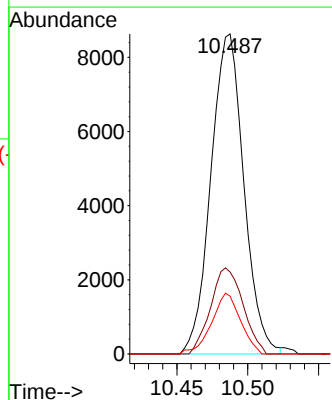
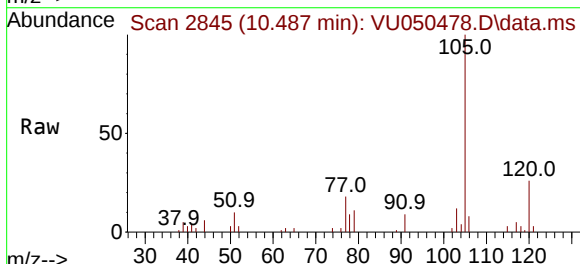
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-06

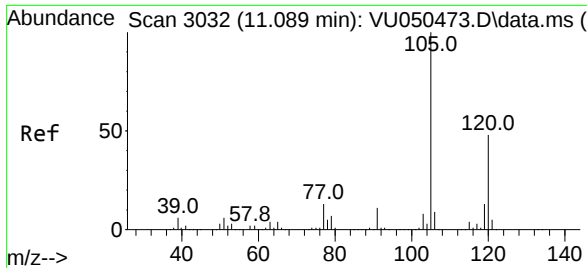
Tgt Ion:	75	Resp:	8295
Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.7	38.5
110	36.8	29.0	43.4



#61
Isopropylbenzene
Concen: 1.825 ug/L
RT: 10.487 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion:	105	Resp:	13949
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.7	31.1
77	16.4	12.5	18.7

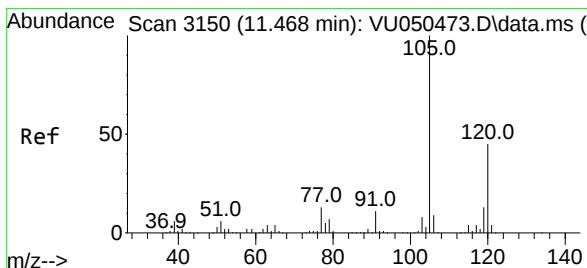
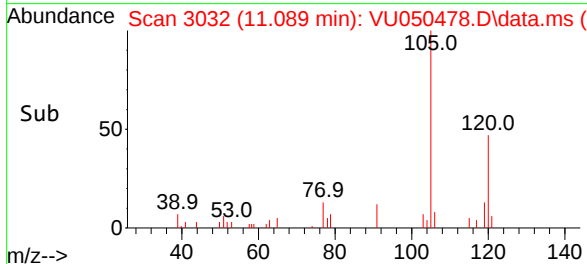
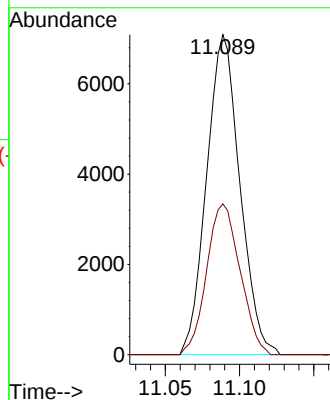
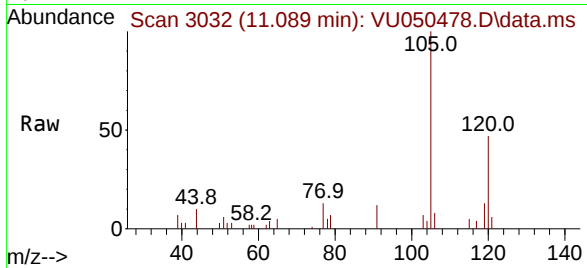




#62
1,3,5-Trimethylbenzene
Concen: 1.789 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

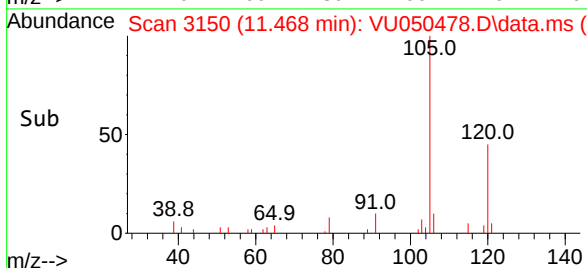
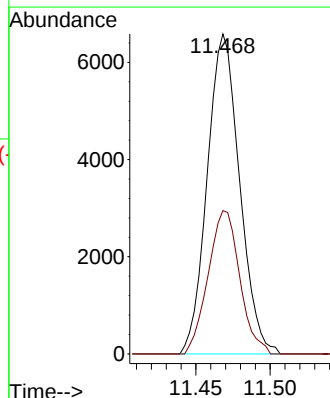
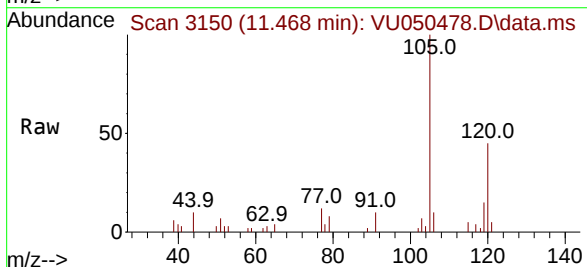
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

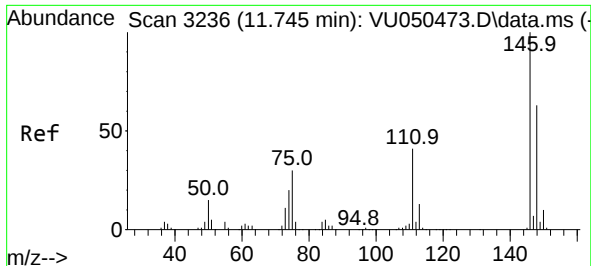
Tgt Ion:105 Resp: 11042
Ion Ratio Lower Upper
105 100
120 47.4 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 1.657 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion:105 Resp: 9971
Ion Ratio Lower Upper
105 100
120 43.7 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 1.984 ug/L

RT: 11.748 min Scan# 3236

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

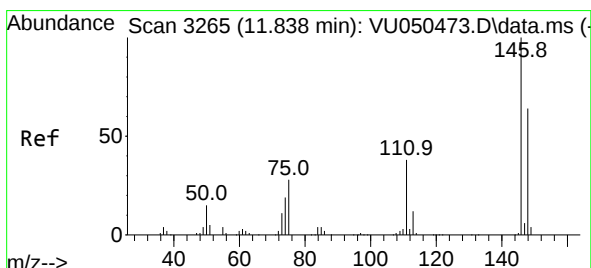
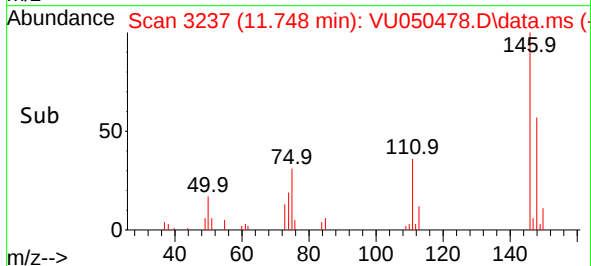
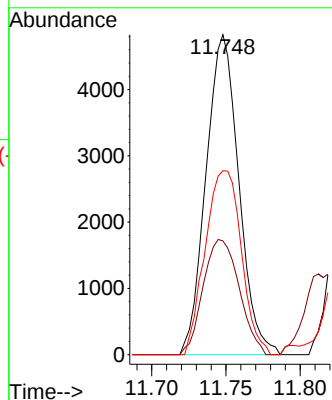
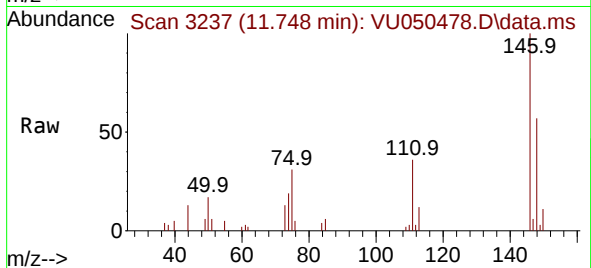
Tgt Ion:146 Resp: 7414

Ion Ratio Lower Upper

146 100

111 36.9 28.1 52.1

148 54.5 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 2.157 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

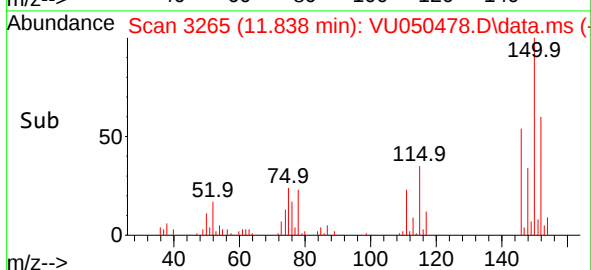
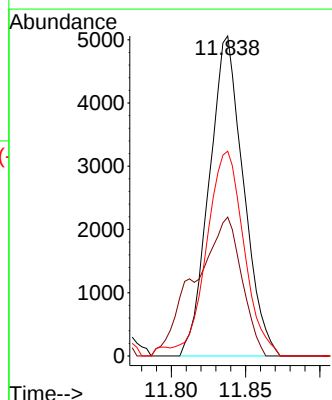
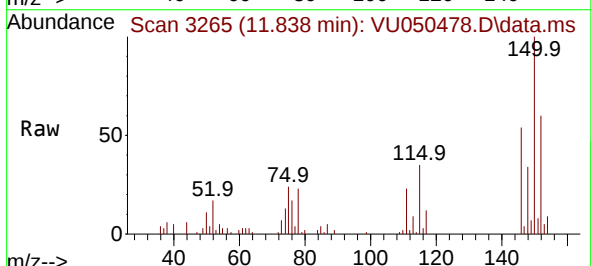
Tgt Ion:146 Resp: 8117

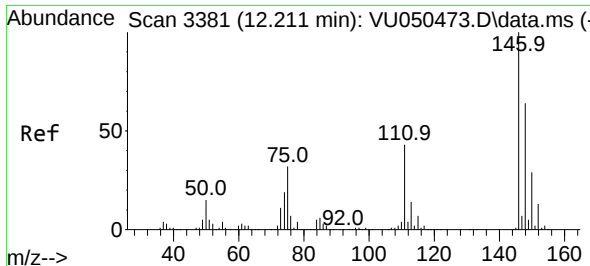
Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.2

148 59.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.477 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

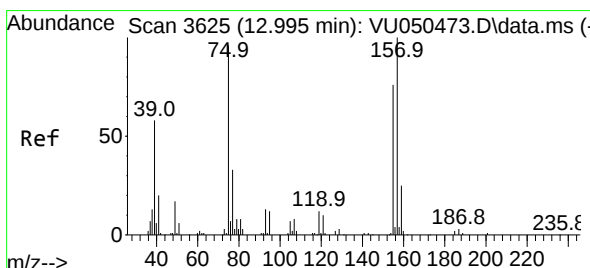
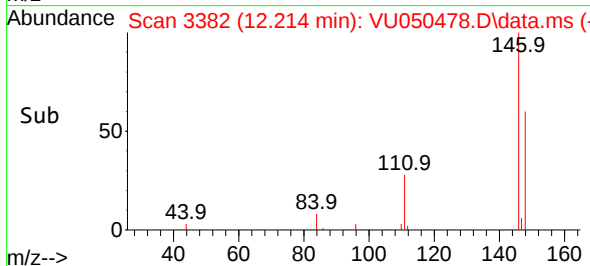
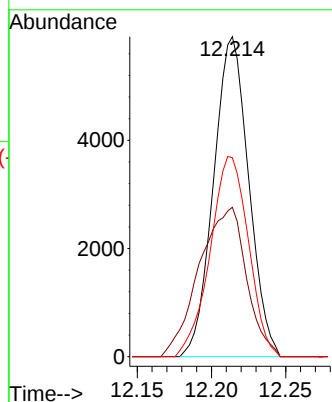
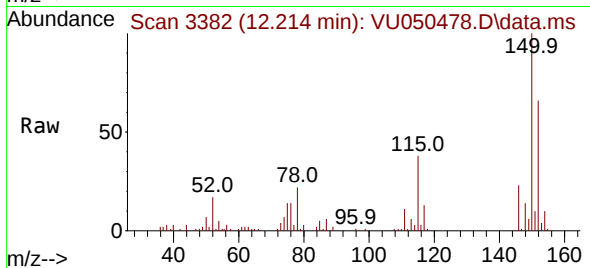
Tgt Ion:146 Resp: 9736

Ion Ratio Lower Upper

146 100

111 48.7 34.1 51.1

148 58.7 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 2.433 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU050478.D

Acq: 29 Aug 2022 12:39

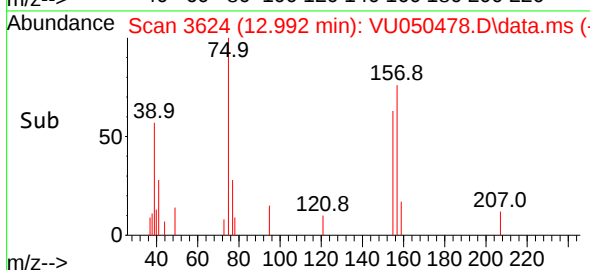
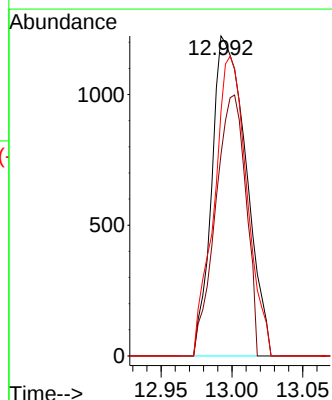
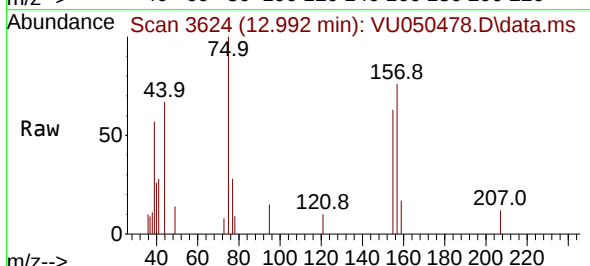
Tgt Ion: 75 Resp: 2059

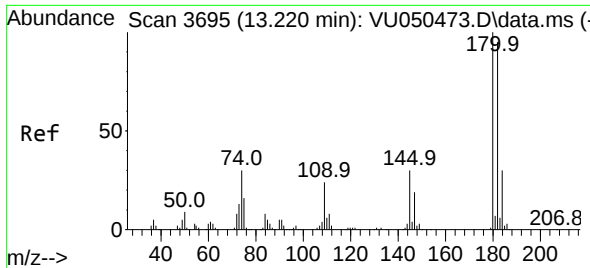
Ion Ratio Lower Upper

75 100

155 63.0 63.1 94.7#

157 76.4 84.2 126.2#

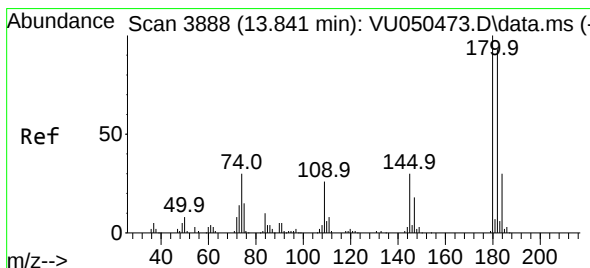
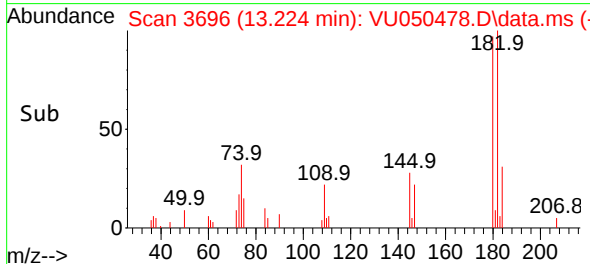
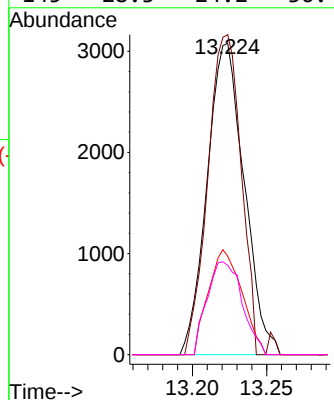
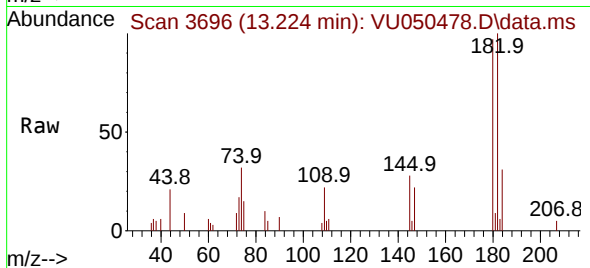




#69
 1,3,5-Trichlorobenzene
 Concen: 2.073 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.003 min
 Lab File: VU050478.D
 Acq: 29 Aug 2022 12:39

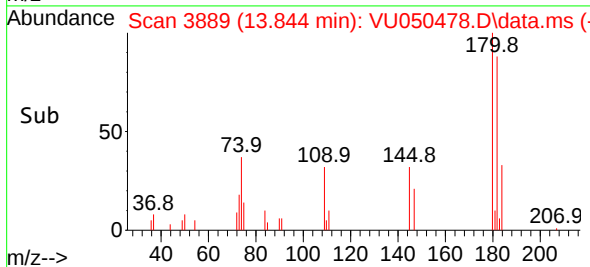
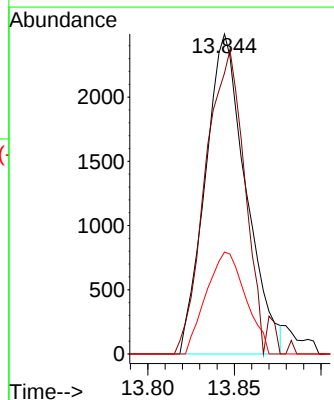
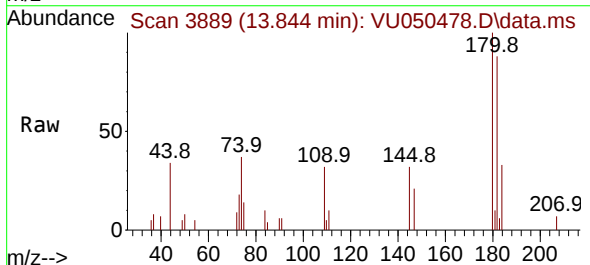
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

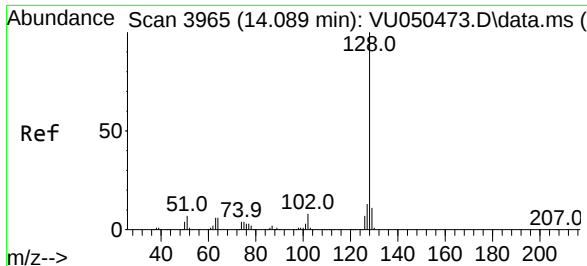
Tgt Ion:180	Resp:	5340
Ion Ratio	Lower	Upper
180	100	
182	92.0	77.0 115.6
184	30.7	24.1 36.1
145	28.3	24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 1.968 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU050478.D
 Acq: 29 Aug 2022 12:39

Tgt Ion:180	Resp:	4060
Ion Ratio	Lower	Upper
180	100	
182	90.6	75.4 113.2
145	30.9	23.9 35.9

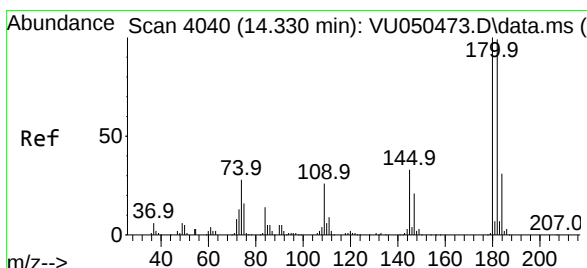
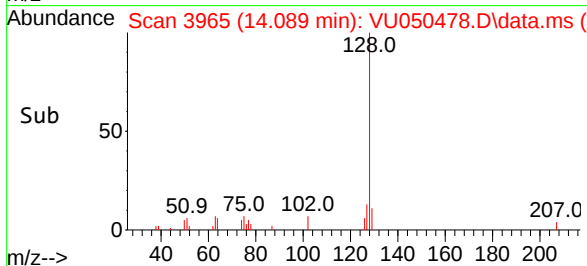
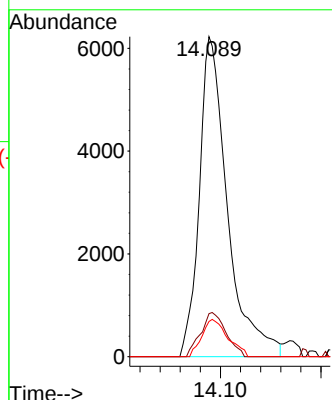
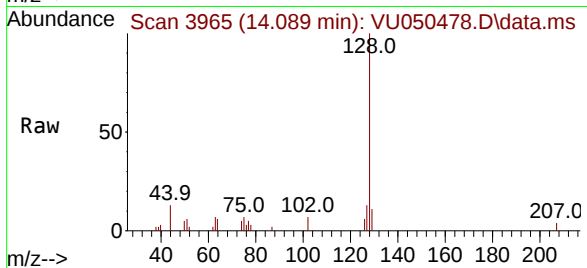




#71
Naphthalene
Concen: 1.786 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion:128	Resp:	12085
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.5 15.7
129	10.7	8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 1.928 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU050478.D
Acq: 29 Aug 2022 12:39

Tgt Ion:180	Resp:	4348
Ion Ratio	Lower	Upper
180	100	
182	91.7	76.8 115.2
145	28.2	26.5 39.7

