

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048854.D
 Acq On : 03 Jun 2022 13:55
 Operator : SY/MD
 Sample : N3103-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 04 04:36:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

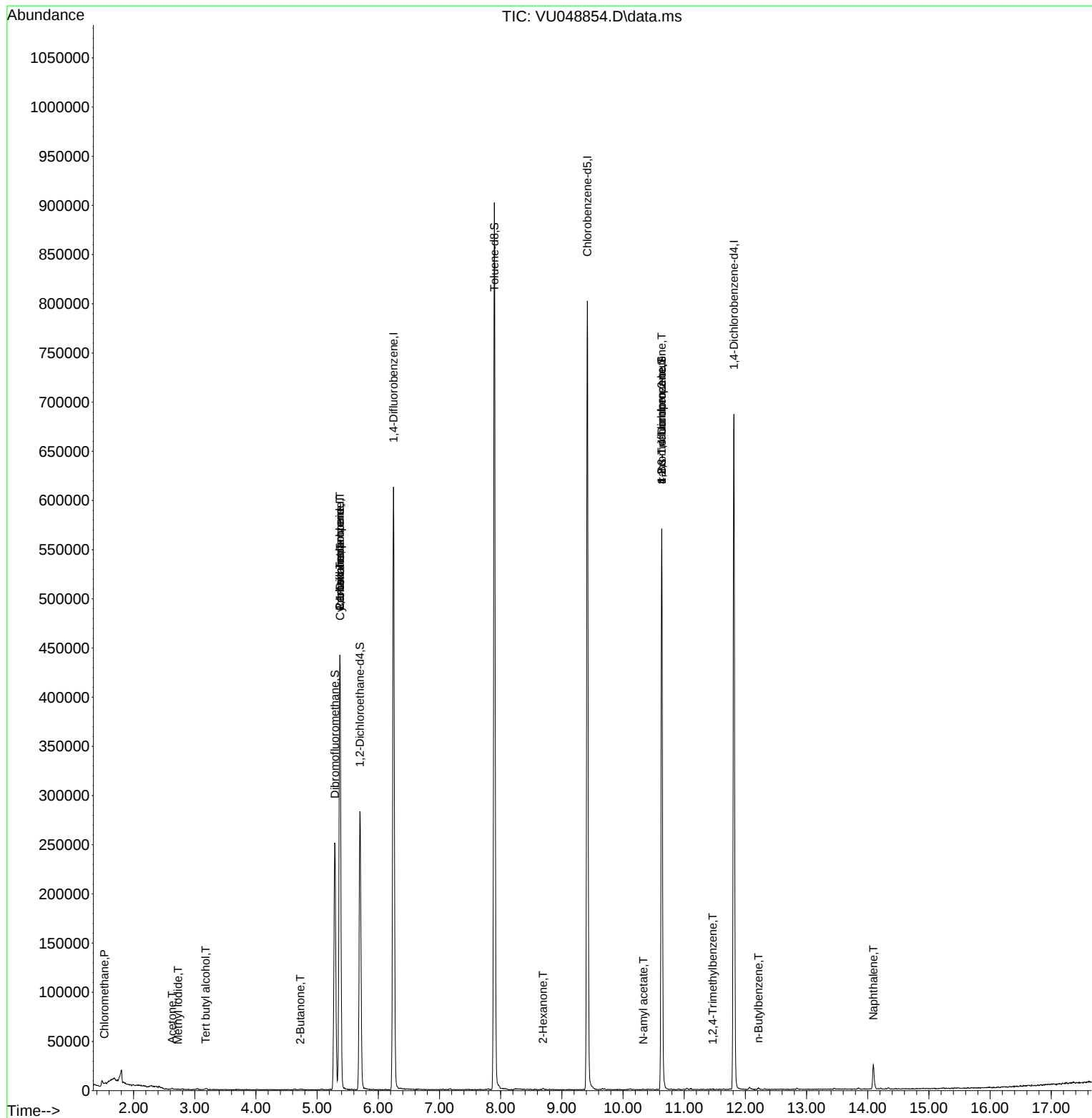
Internal Standards						
1) Pentafluorobenzene	5.372	168	301187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	492278	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	438277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	184124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	214881	47.506	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.020%
35) Dibromofluoromethane	5.288	113	162156	46.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.340%
50) Toluene-d8	7.896	98	593503	47.143	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.280%
62) 4-Bromofluorobenzene	10.632	95	193016	40.540	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.080%#
Target Compounds						Qvalue
3) Chloromethane	1.523	50	1023	0.230	ug/l	94
5) Bromomethane	1.842	94	412	Below Cal	#	3
6) Chloroethane	1.948	64	830	Below Cal	#	72
10) Methyl Iodide	2.726	142	112	3.027	ug/l #	37
11) Tert butyl alcohol	3.179	59	459	0.400	ug/l #	28
13) Acrolein	2.481	56	193	Below Cal	#	43
16) Acetone	2.629	43	1135	0.492	ug/l #	86
25) 2-Butanone	4.726	43	1109	0.335	ug/l #	49
31) Cyclohexane	5.375	56	6651	1.167	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24569	4.793	ug/l #	46
38) Carbon Tetrachloride	5.372	117	29752	5.059	ug/l #	17
59) 2-Hexanone	8.693	43	1125	0.224	ug/l	81
74) N-amyl acetate	10.333	43	226	2.503	ug/l #	54
76) 1,2,3-Trichloropropane	10.632	75	99197	16.709	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	99197	60.670	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	489	1.230	ug/l	76
89) n-Butylbenzene	12.214	91	674	2.246	ug/l #	73
95) Naphthalene	14.092	128	22945	4.036	ug/l	99

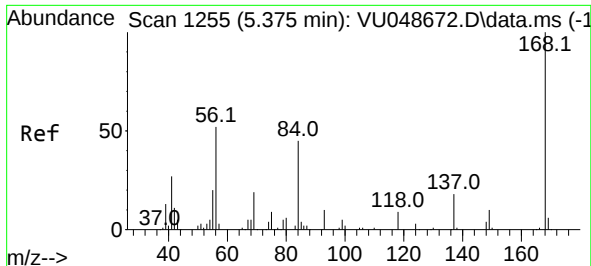
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
Data File : VU048854.D
Acq On : 03 Jun 2022 13:55
Operator : SY/MD
Sample : N3103-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 04 04:36:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

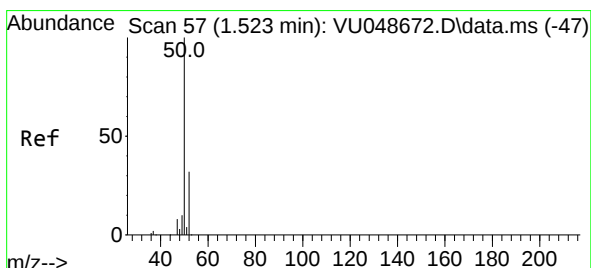
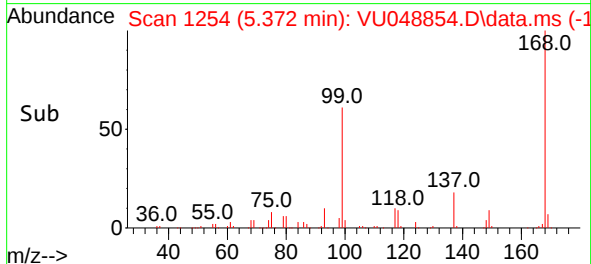
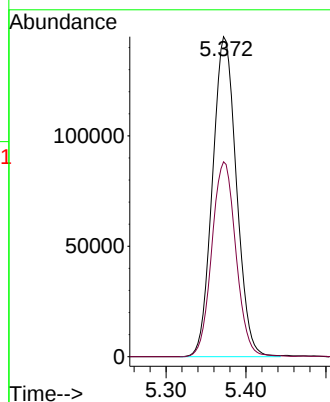
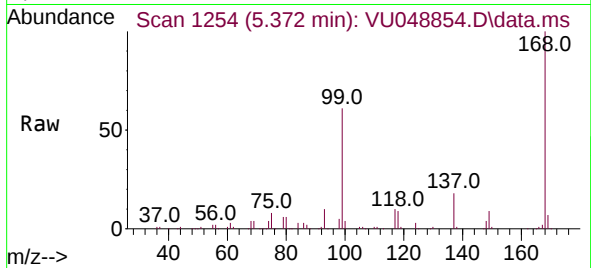




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

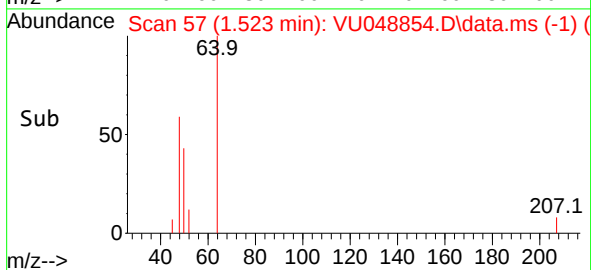
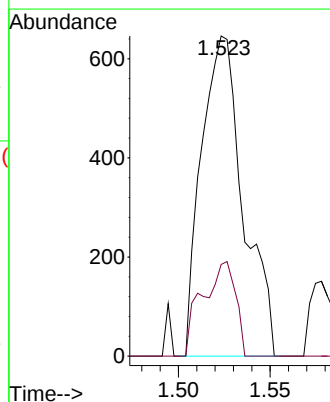
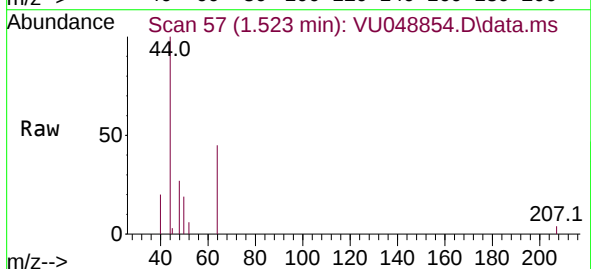
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

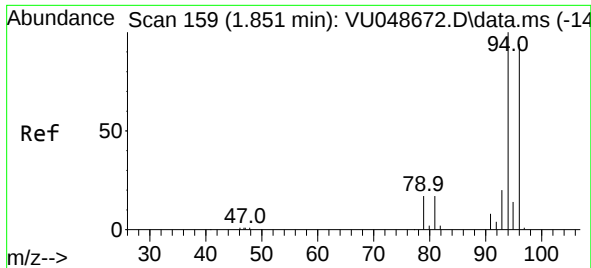
Tgt Ion:168 Resp: 301187
Ion Ratio Lower Upper
168 100
99 60.9 49.3 73.9



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 50 Resp: 1023
Ion Ratio Lower Upper
50 100
52 28.6 25.7 38.5

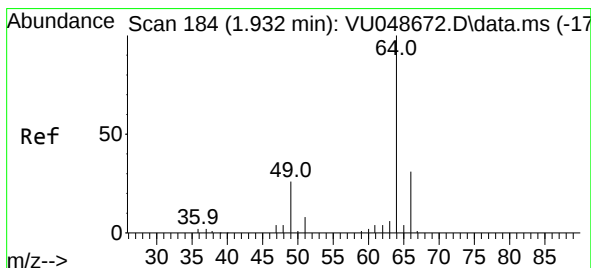
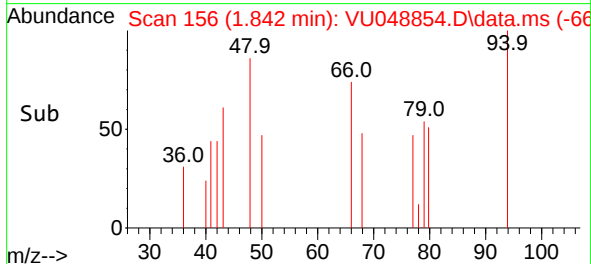
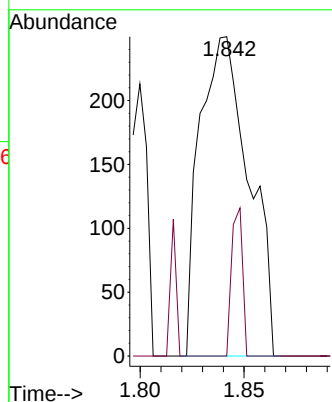
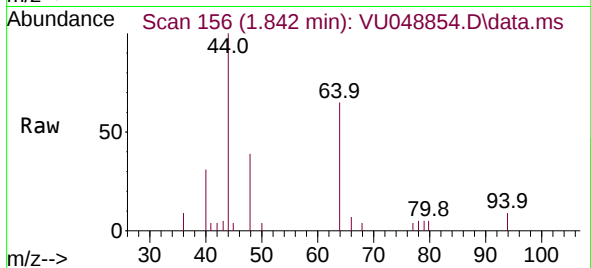




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

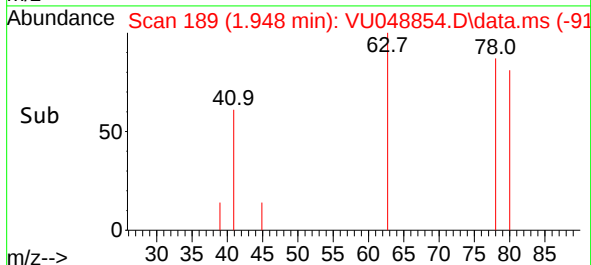
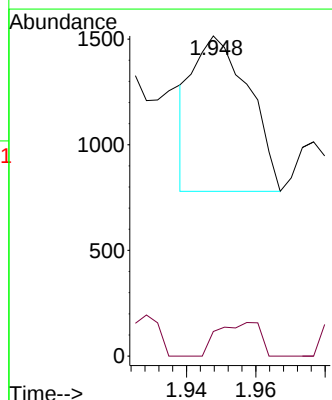
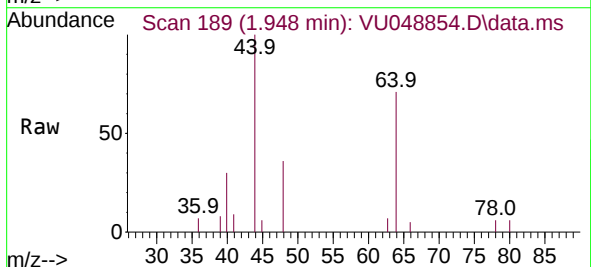
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

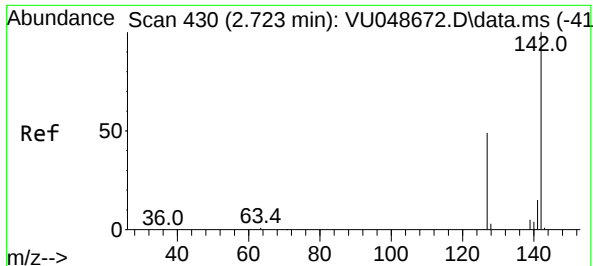
Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.016 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 64 Resp: 830
Ion Ratio Lower Upper
64 100
66 15.8 25.2 37.8#

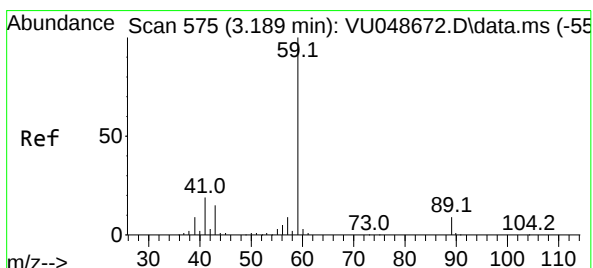
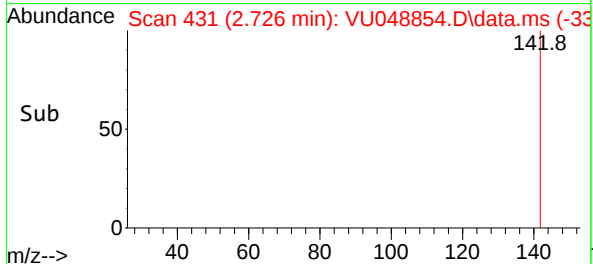
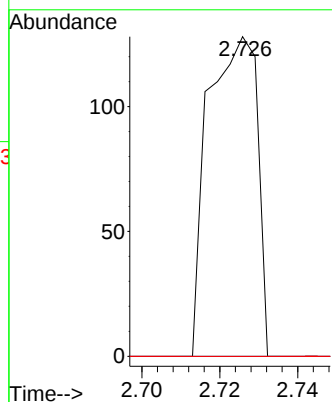
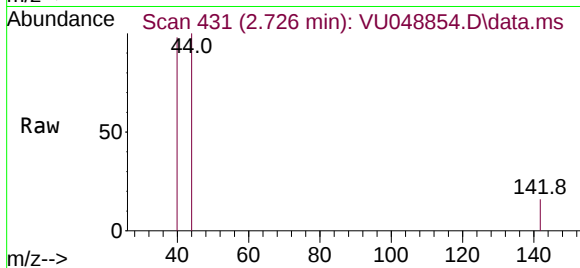




#10
Methyl Iodide
Concen: 3.027 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

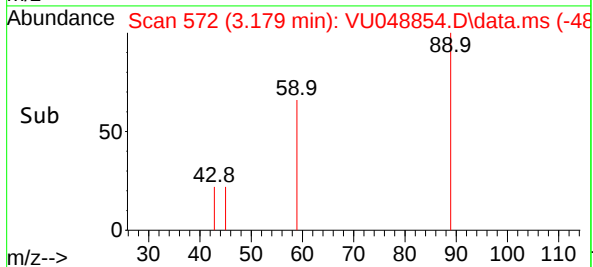
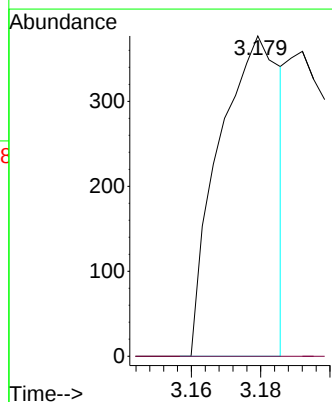
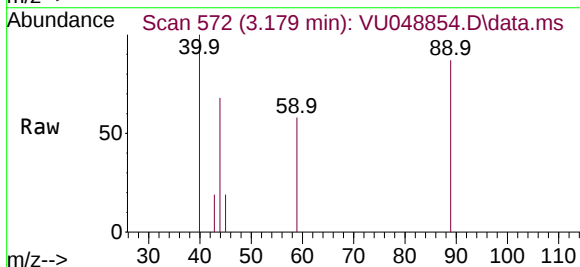
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

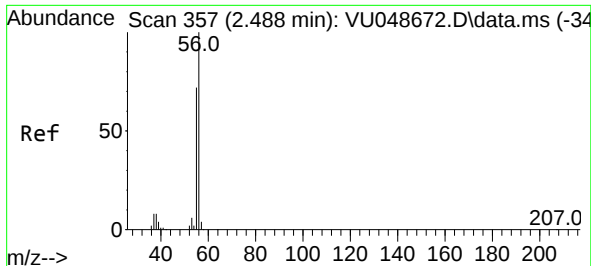
Tgt Ion:142 Resp: 112
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.400 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 59 Resp: 459
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

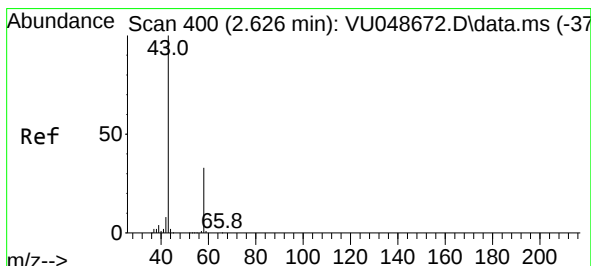
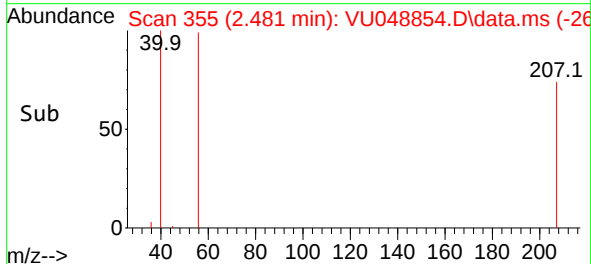
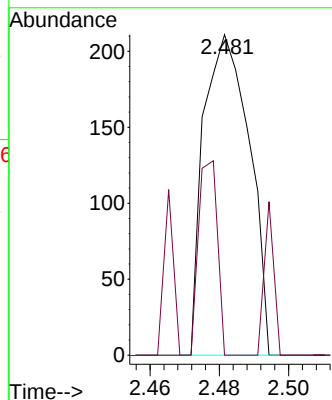
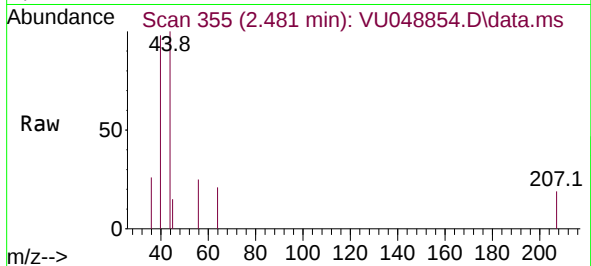




#13
Acrolein
Concen: Below Cal
RT: 2.481 min Scan# 31
Delta R.T. -0.007 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

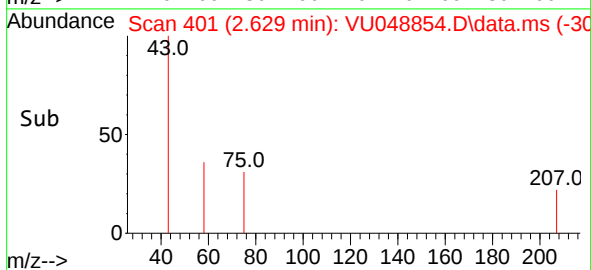
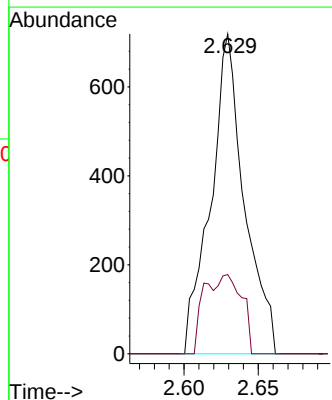
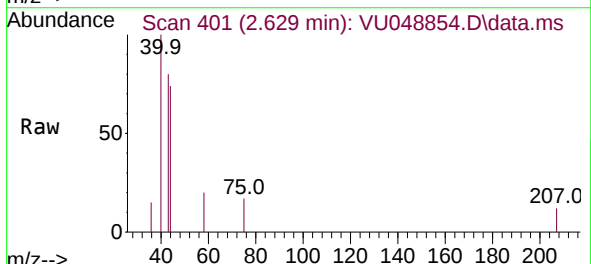
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

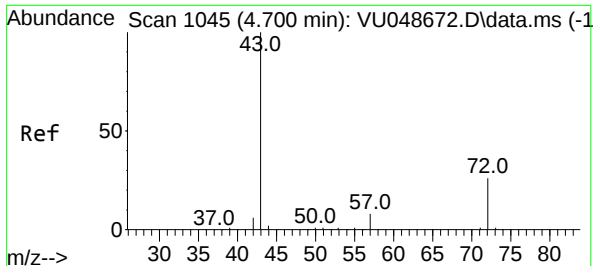
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 24.9 57.7 86.5#



#16
Acetone
Concen: 0.492 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 24.8 26.3 39.5#

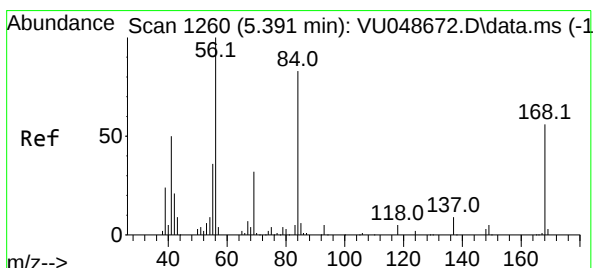
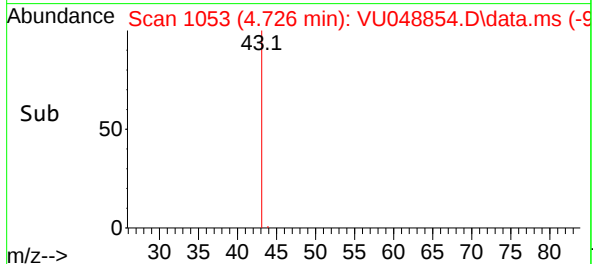
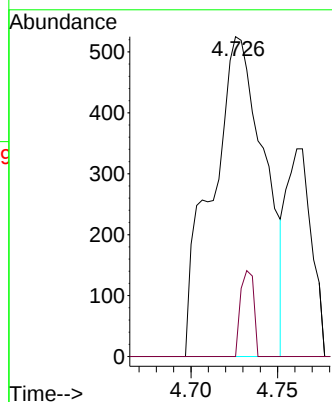
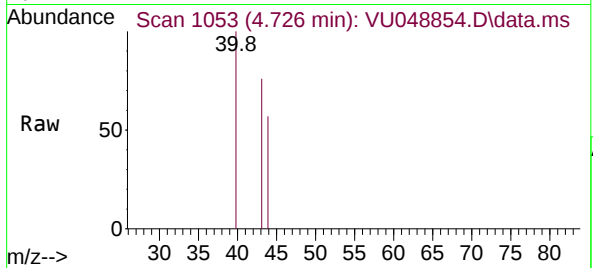




#25
2-Butanone
Concen: 0.335 ug/l
RT: 4.726 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

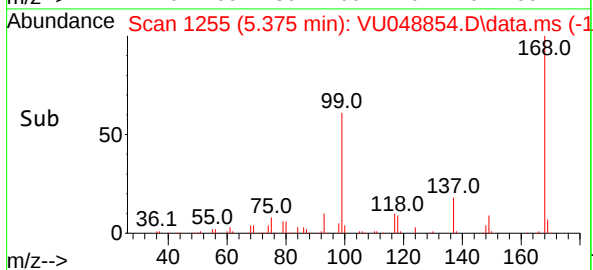
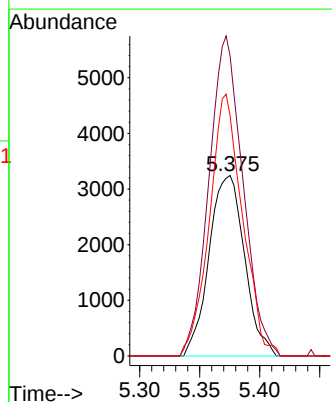
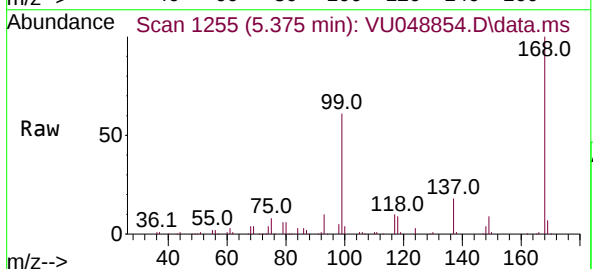
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

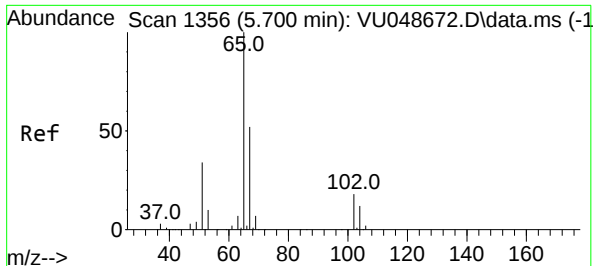
Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 56 Resp: 6651
Ion Ratio Lower Upper
56 100
69 166.2 25.6 38.4#
84 133.2 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 47.506 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

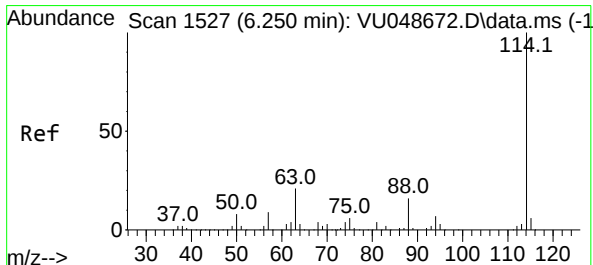
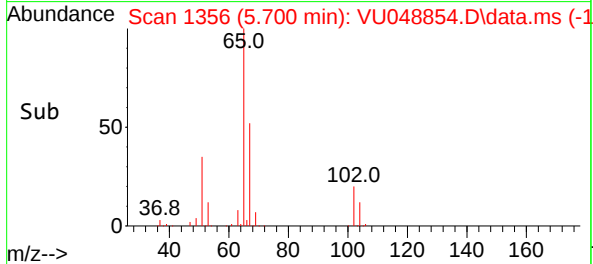
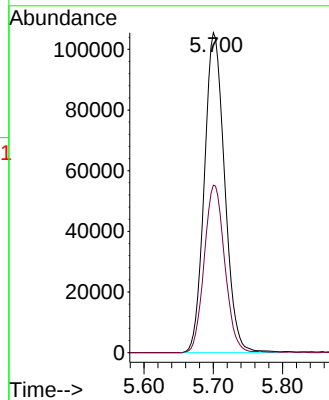
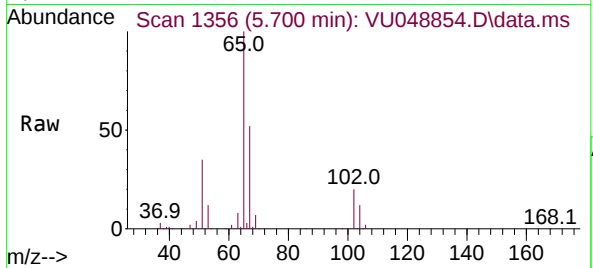
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 214881

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

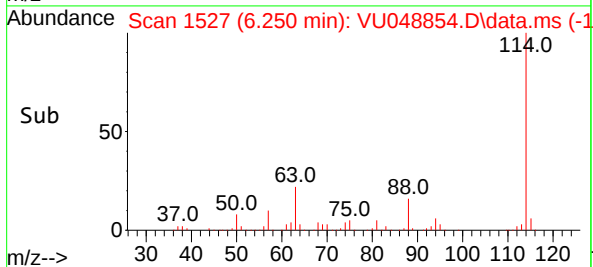
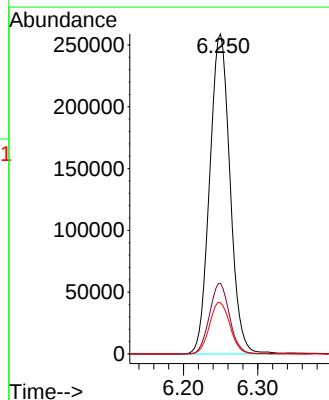
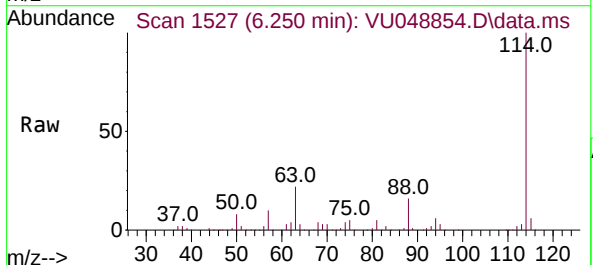
Tgt Ion: 114 Resp: 492278

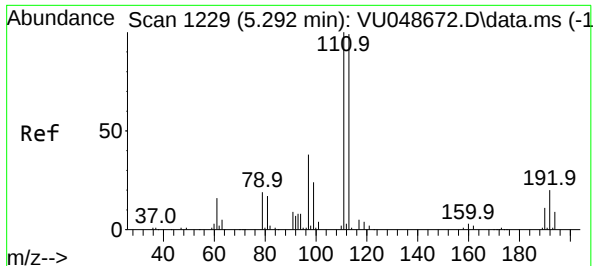
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.172 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

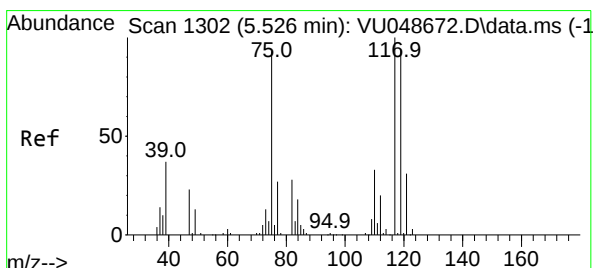
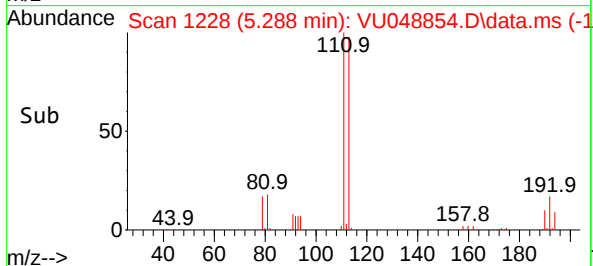
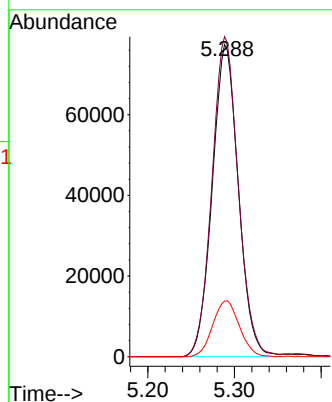
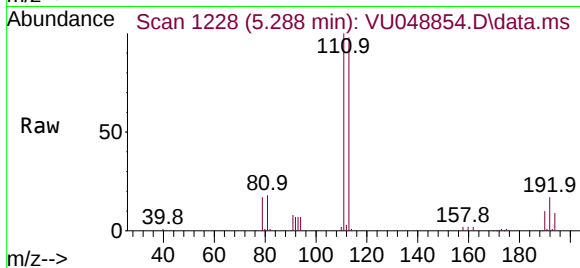
Tgt Ion:113 Resp: 162156

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

192 18.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

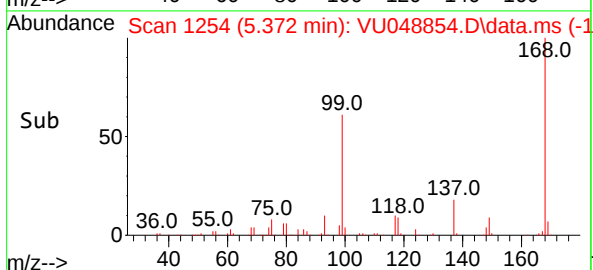
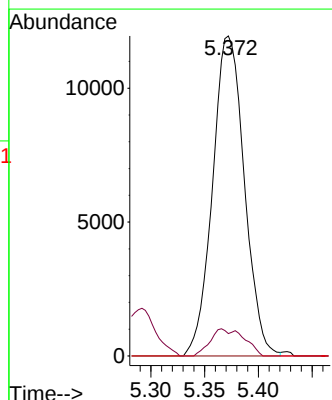
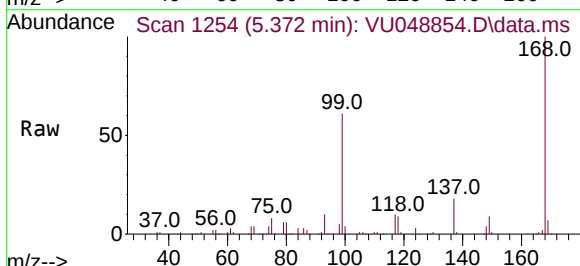
Tgt Ion: 75 Resp: 24569

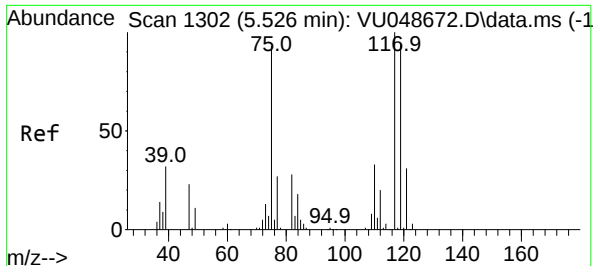
Ion Ratio Lower Upper

75 100

110 4.9 17.4 52.3#

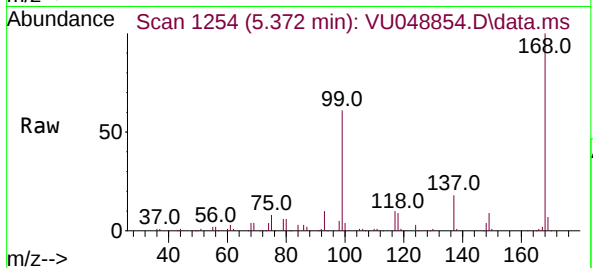
77 0.0 24.8 37.2#



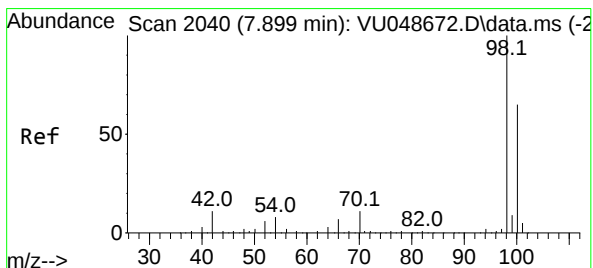
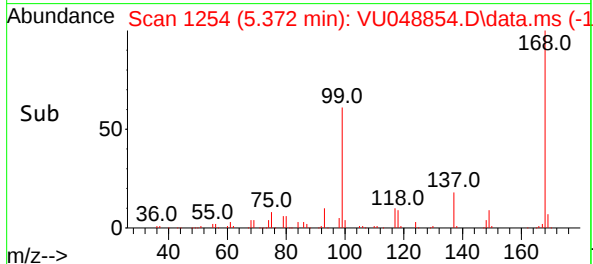
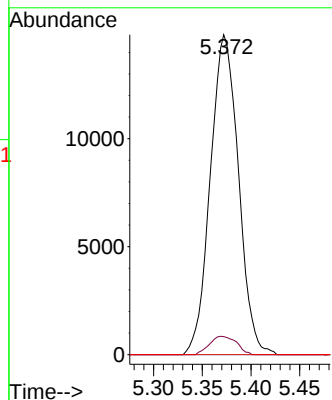


#38
Carbon Tetrachloride
Concen: 5.059 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Instrument : MSVOA_U
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

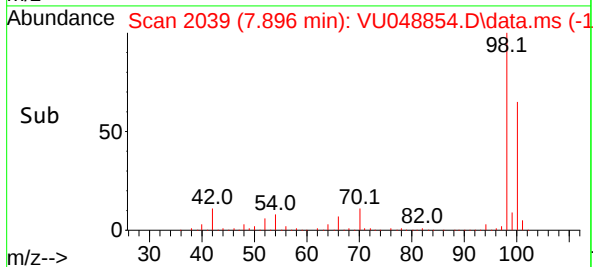
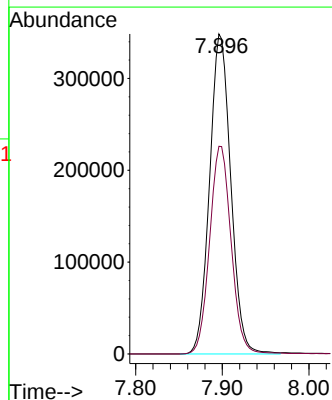
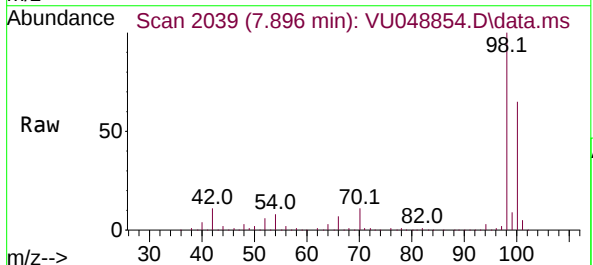


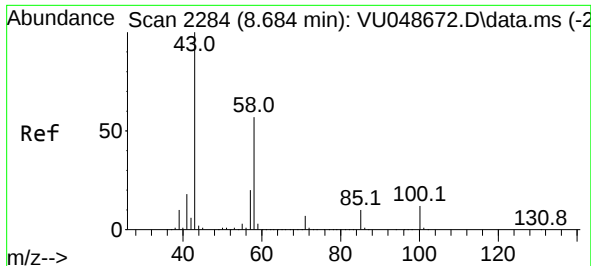
Tgt Ion:117 Resp: 29752
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.143 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 98 Resp: 593503
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4





#59

2-Hexanone

Concen: 0.224 ug/l

RT: 8.693 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

Instrument :

MSVOA_U

ClientSampleId :

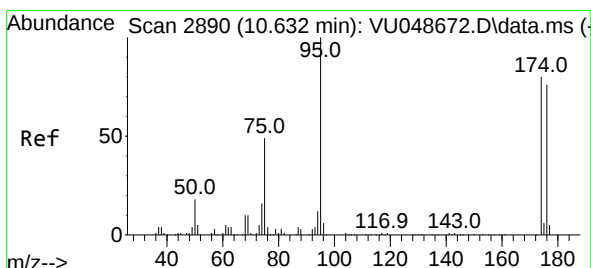
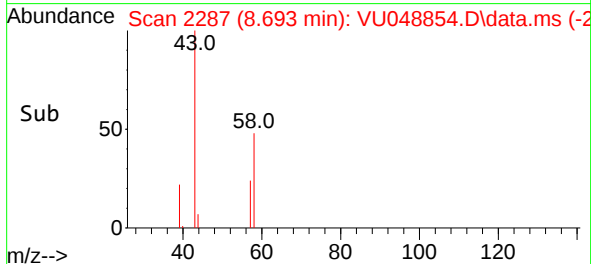
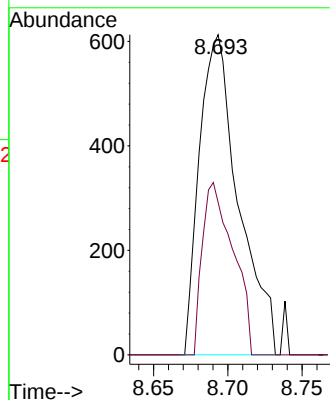
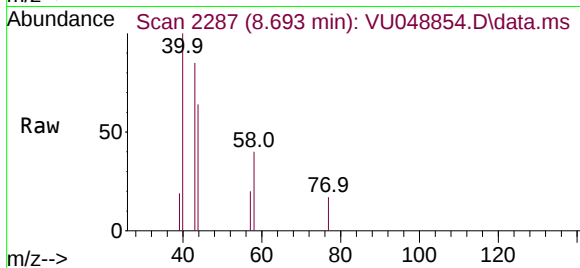
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

58 42.3 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 40.540 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

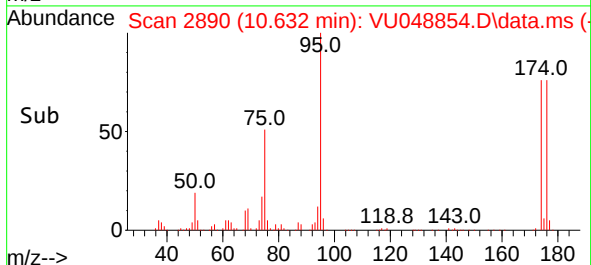
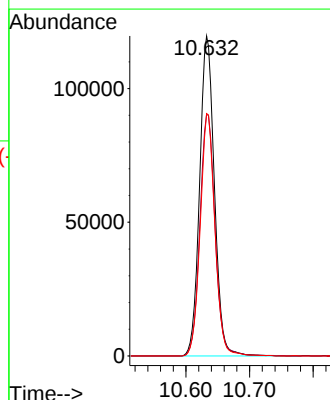
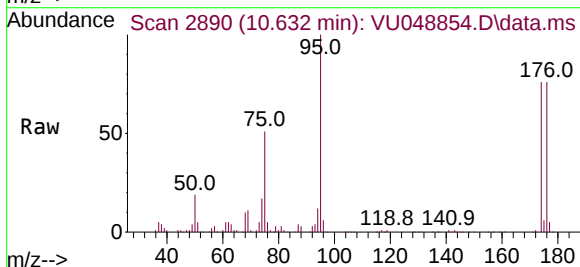
Tgt Ion: 95 Resp: 193016

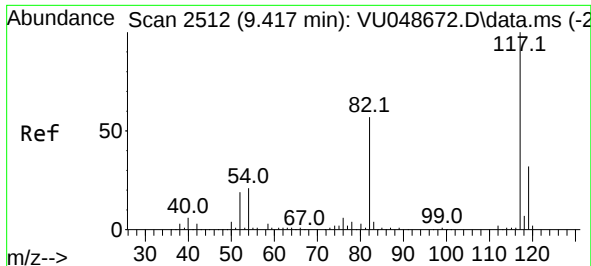
Ion Ratio Lower Upper

95 100

174 77.4 0.0 159.4

176 75.6 0.0 152.4

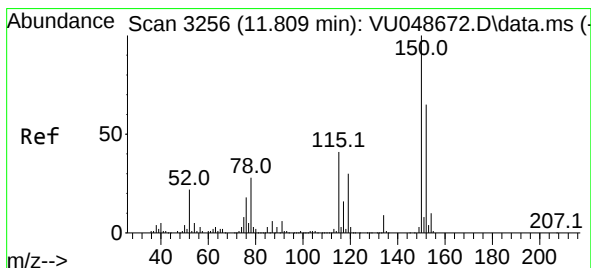
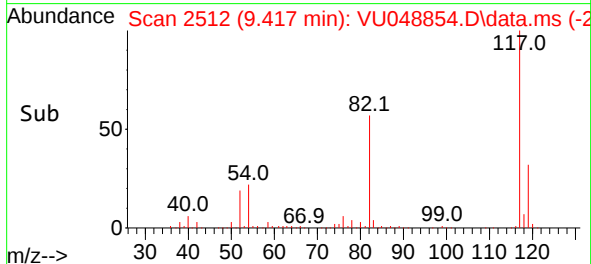
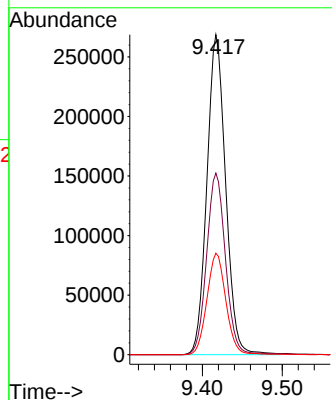
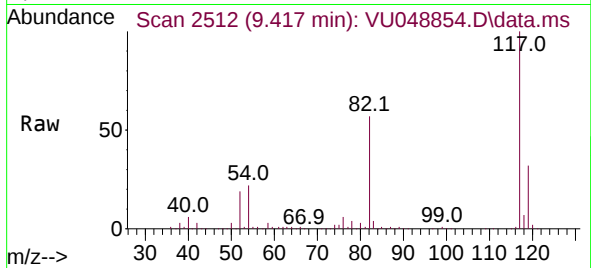




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

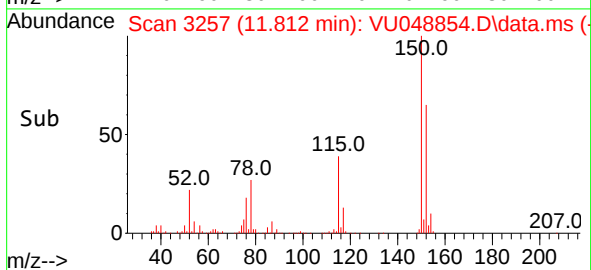
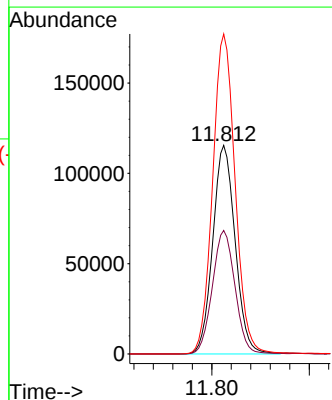
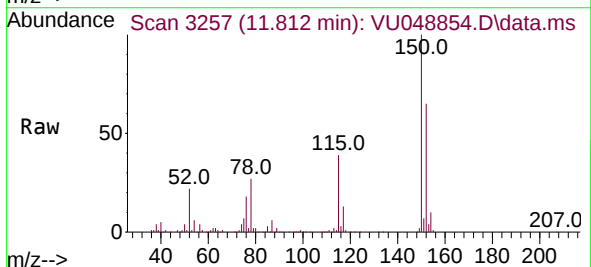
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

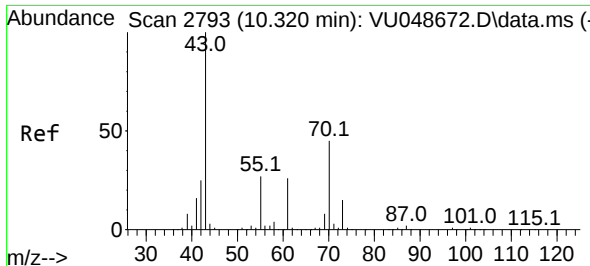
Tgt Ion:117 Resp: 438277
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion:152 Resp: 184124
Ion Ratio Lower Upper
152 100
115 59.8 41.8 125.4
150 154.1 0.0 341.0

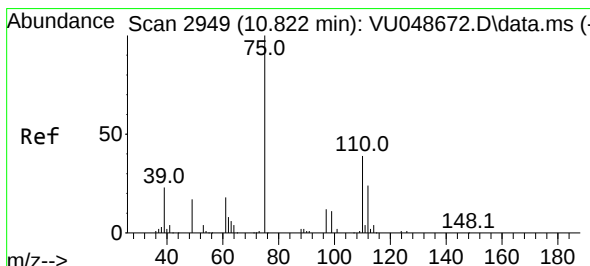
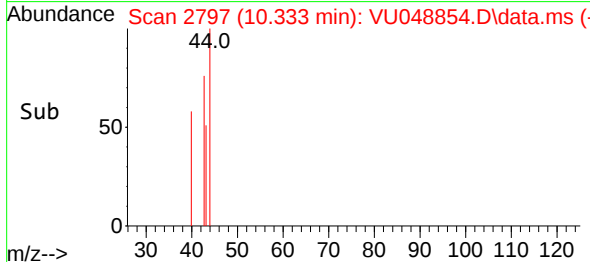
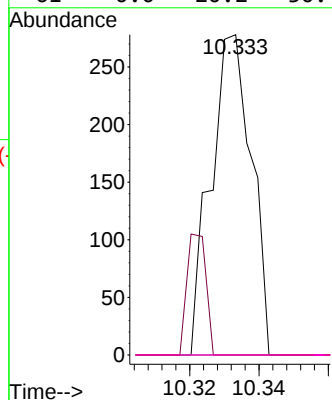
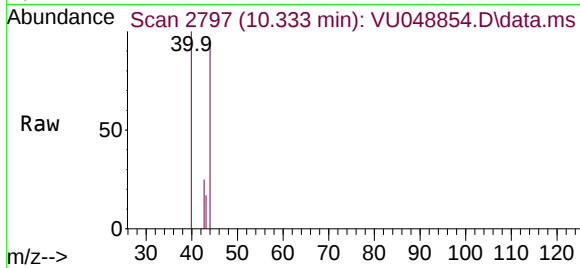




#74
N-amy1 acetate
Concen: 2.503 ug/l
RT: 10.333 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

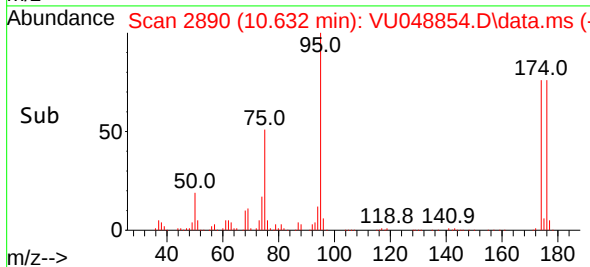
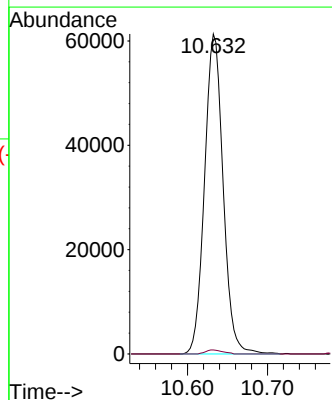
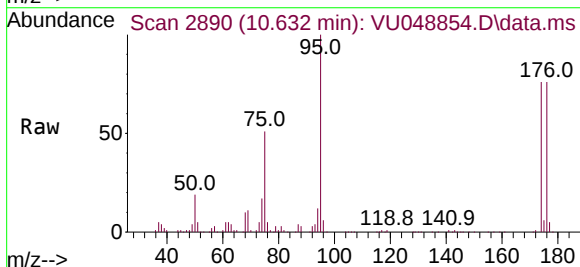
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

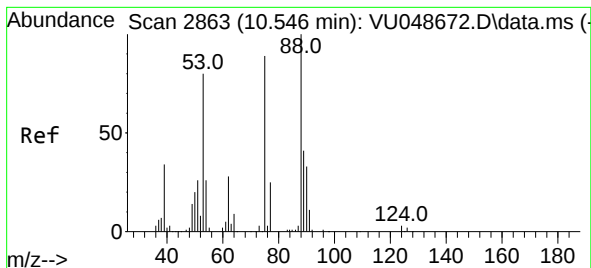
Tgt Ion: 43	Resp: 226
Ion Ratio	Lower Upper
43 100	
70 17.7	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.709 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 75	Resp: 99197
Ion Ratio	Lower Upper
75 100	
77 1.2	14.8 44.3#

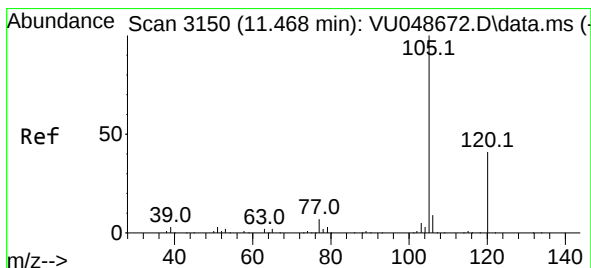
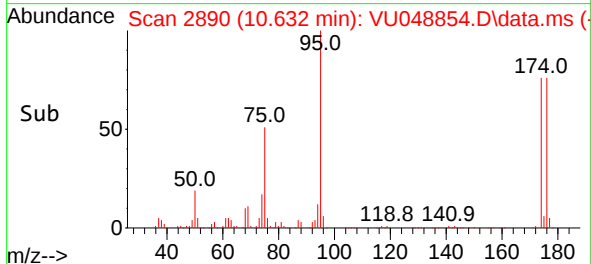
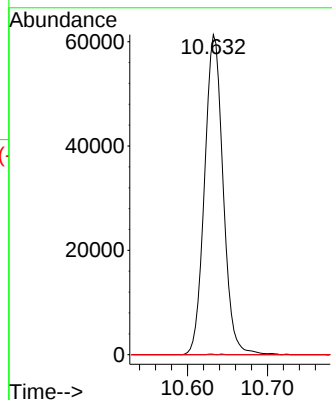
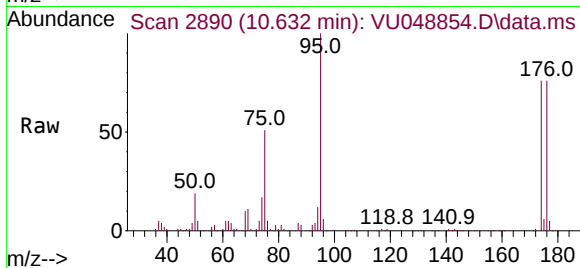




#81
trans-1,4-Dichloro-2-butene
Concen: 60.670 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

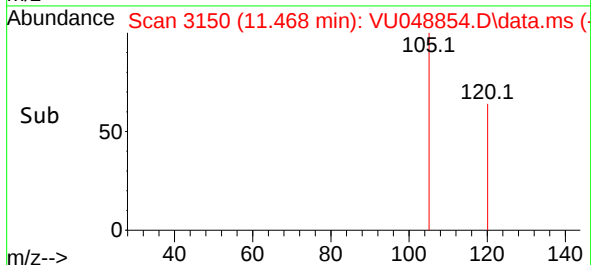
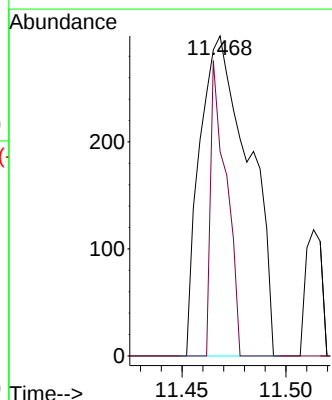
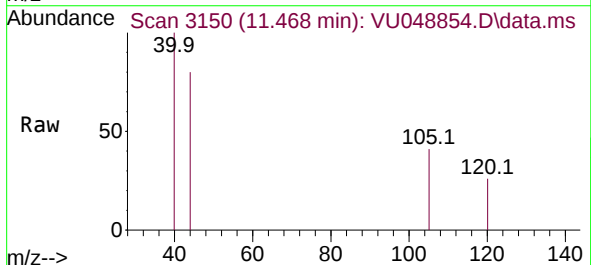
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

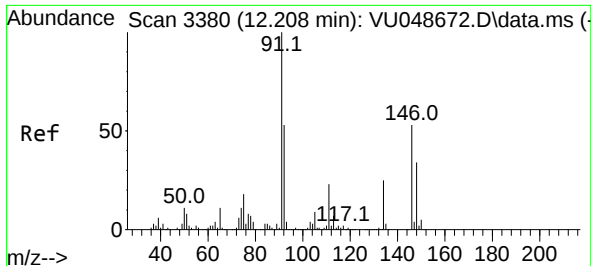
Tgt Ion: 75 Resp: 99197
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.230 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048854.D
Acq: 03 Jun 2022 13:55

Tgt Ion: 105 Resp: 489
Ion Ratio Lower Upper
105 100
120 29.4 22.5 67.5





#89

n-Butylbenzene

Concen: 2.246 ug/l

RT: 12.214 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

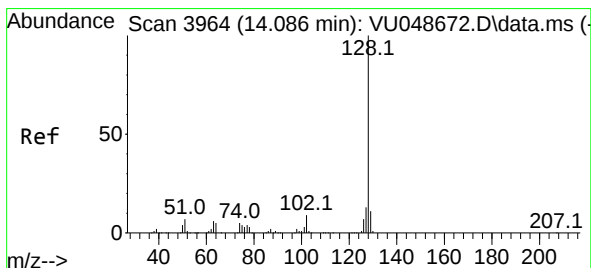
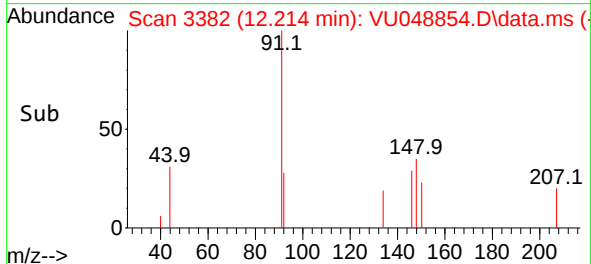
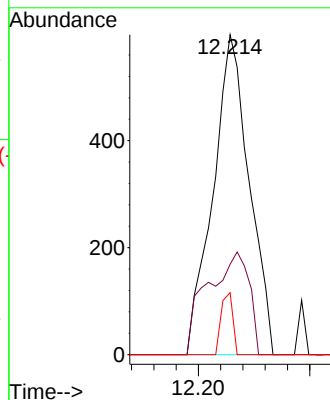
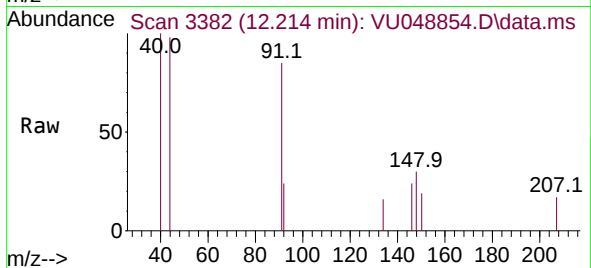
Instrument :

MSVOA_U

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 91	Resp:	674
Ion Ratio	Lower	Upper
91	100	
92	36.8	25.9 77.8
134	6.2	12.5 37.5



#95

Naphthalene

Concen: 4.036 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048854.D

Acq: 03 Jun 2022 13:55

Tgt Ion: 128	Resp:	22945
Ion Ratio	Lower	Upper
128	100	
127	12.9	10.2 15.4
129	11.4	8.7 13.1

