

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048833.D
 Acq On : 03 Jun 2022 03:38
 Operator : SY/MD
 Sample : N3112-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-118.5T-20220527

Quant Time: Jun 03 04:06:30 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)

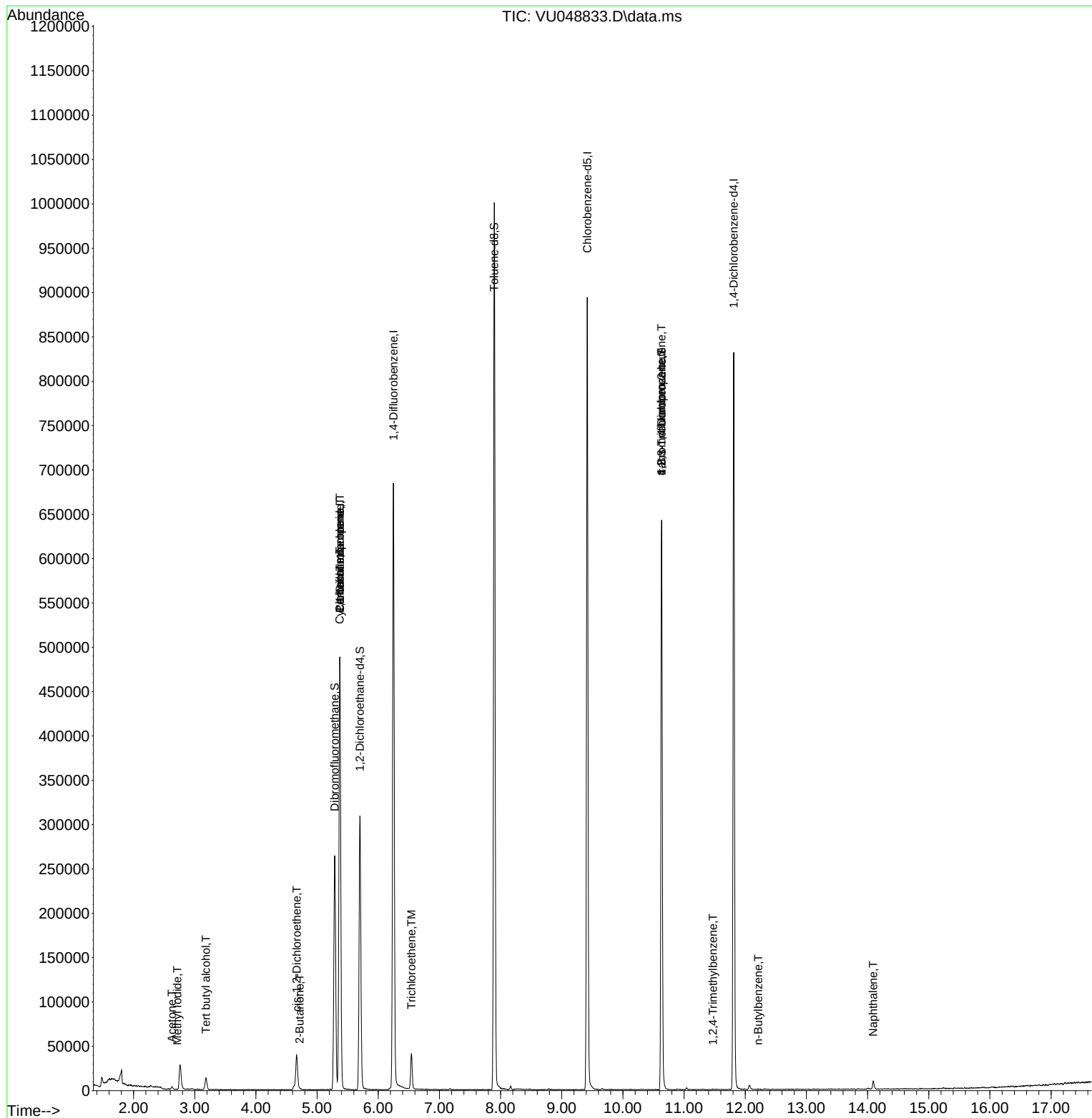
Internal Standards						
1) Pentafluorobenzene	5.372	168	331142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	550376	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	499418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	221668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	230471	46.343	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.680%		
35) Dibromofluoromethane	5.288	113	172423	43.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.820%		
50) Toluene-d8	7.896	98	667225	47.405	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.800%		
62) 4-Bromofluorobenzene	10.632	95	219473	41.230	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.460%#		
Target Compounds						
					Qvalue	
5) Bromomethane	1.835	94	405	Below Cal	#	74
6) Chloroethane	1.909	64	231	Below Cal	#	47
10) Methyl Iodide	2.713	142	47	3.013	ug/l #	37
11) Tert butyl alcohol	3.182	59	8179	6.487	ug/l #	28
13) Acrolein	2.488	56	120	Below Cal	#	14
16) Acetone	2.626	43	4032	1.591	ug/l	98
25) 2-Butanone	4.713	43	792	0.218	ug/l #	84
27) cis-1,2-Dichloroethene	4.668	96	19290	4.323	ug/l	92
31) Cyclohexane	5.369	56	6735	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	26671	4.654	ug/l #	50
38) Carbon Tetrachloride	5.372	117	34204	5.202	ug/l #	17
44) Trichloroethene	6.542	130	13238	3.037	ug/l	98
64) Tetrachloroethene	8.555	164	105	Below Cal	#	1
76) 1,2,3-Trichloropropane	10.632	75	111306	15.574	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	111306	56.546	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	190	1.201	ug/l	82
89) n-Butylbenzene	12.214	91	64	2.190	ug/l #	34
95) Naphthalene	14.092	128	8195	2.979	ug/l	99

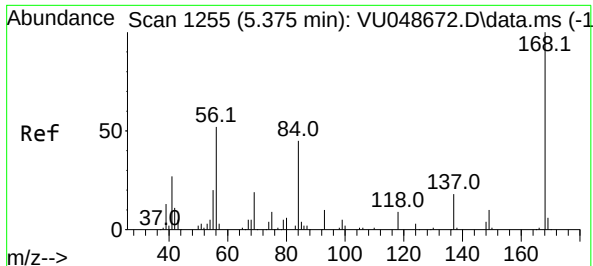
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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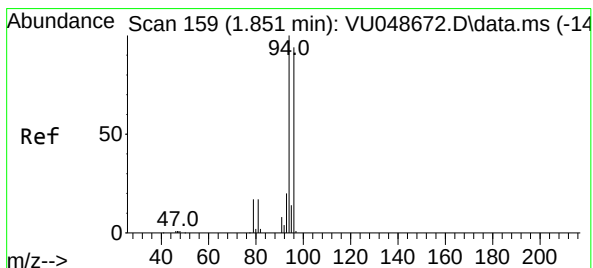
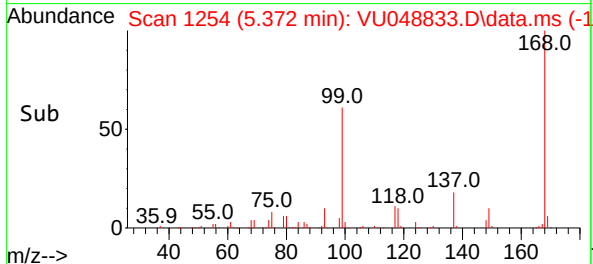
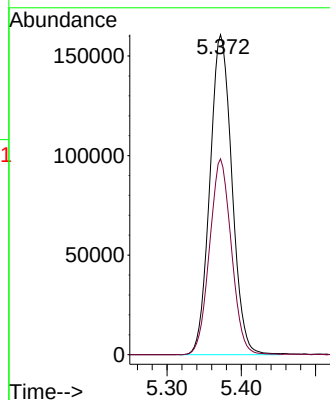
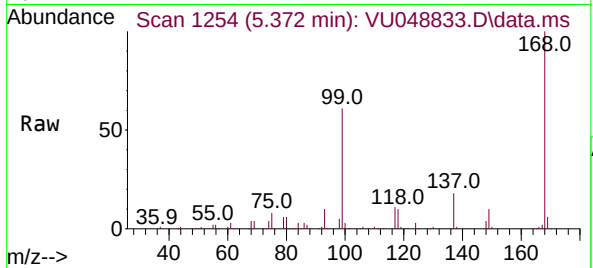




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

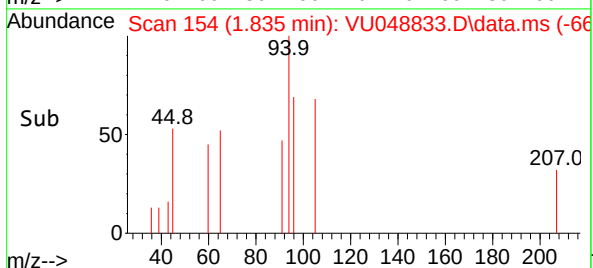
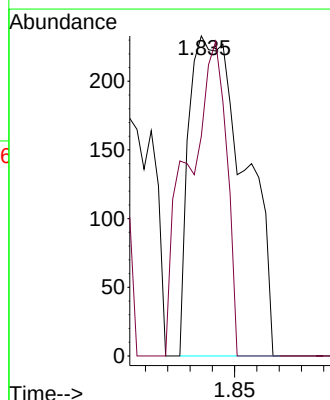
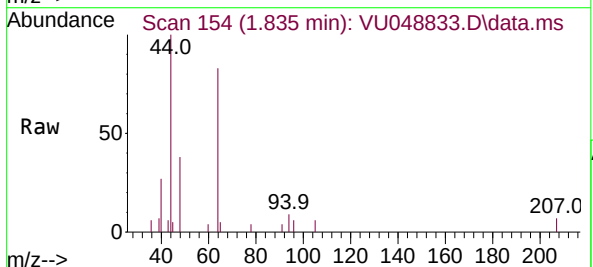
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

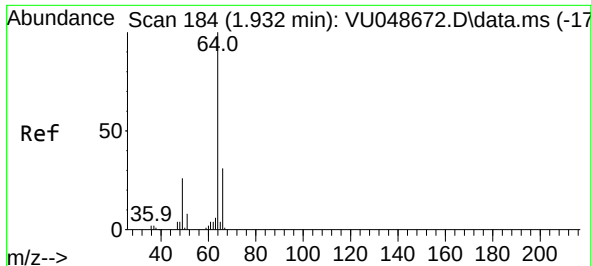
Tgt Ion:168 Resp: 331142
Ion Ratio Lower Upper
168 100
99 61.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.016 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 68.7 75.1 112.7#

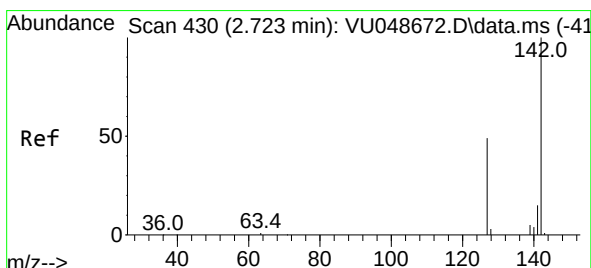
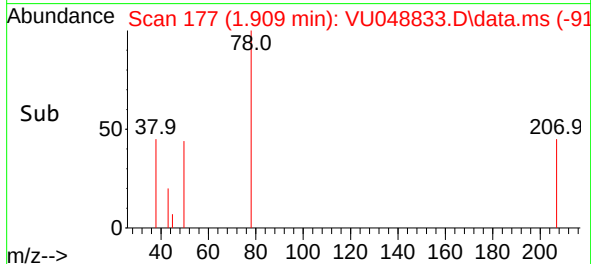
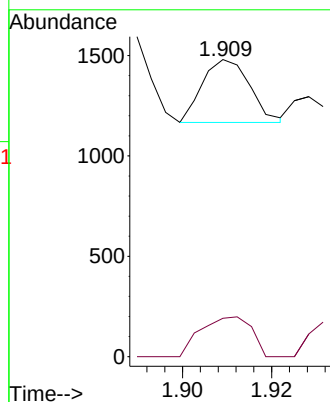
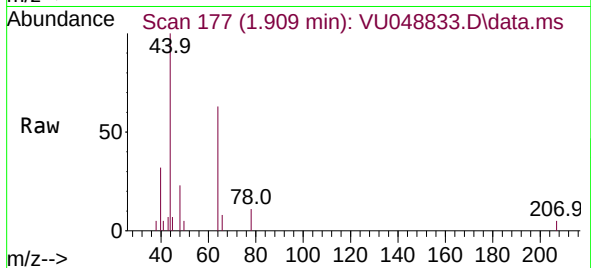




#6
Chloroethane
Concen: Below Cal
RT: 1.909 min Scan# 11
Delta R.T. -0.023 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

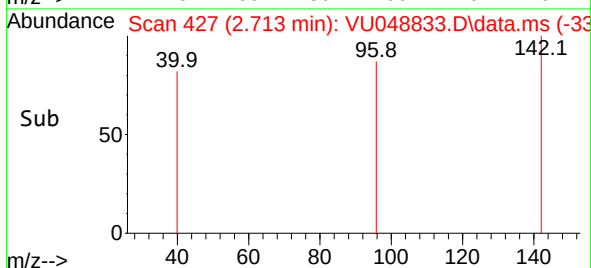
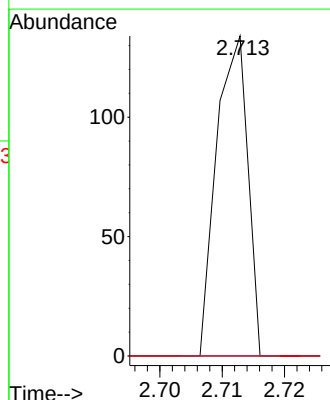
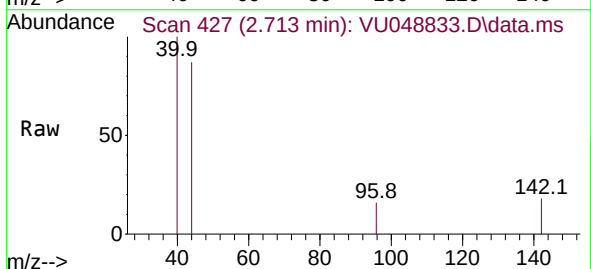
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

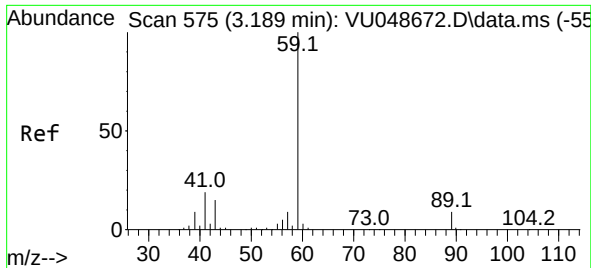
Tgt Ion: 64 Resp: 231
Ion Ratio Lower Upper
64 100
66 61.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.013 ug/l
RT: 2.713 min Scan# 427
Delta R.T. -0.010 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion:142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

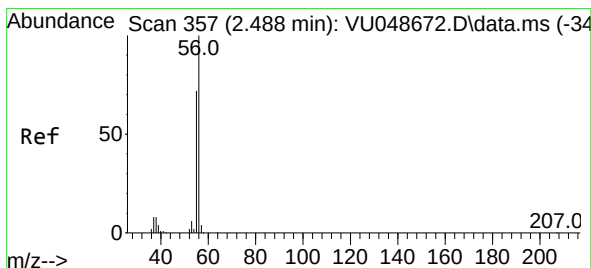
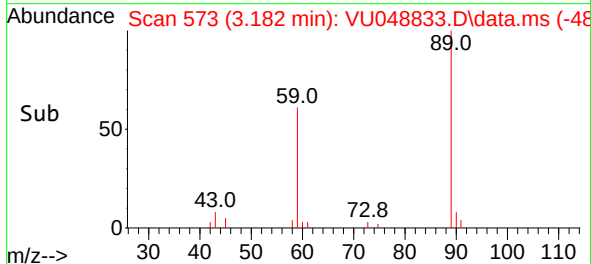
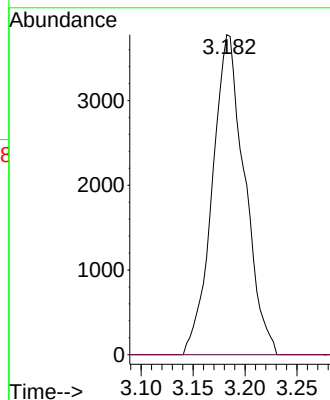
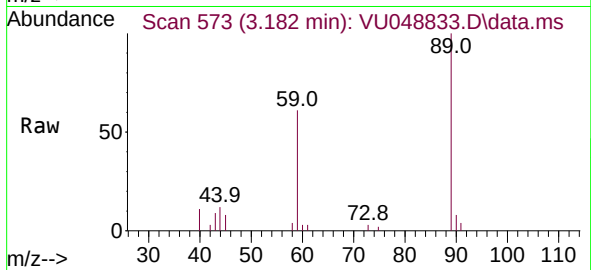




#11
Tert butyl alcohol
Concen: 6.487 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

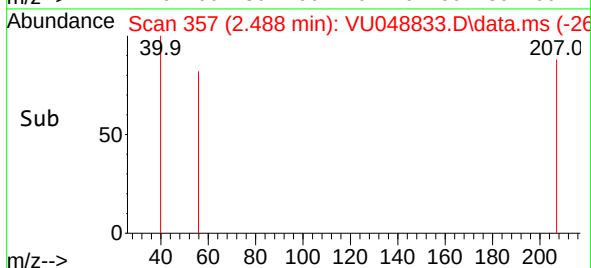
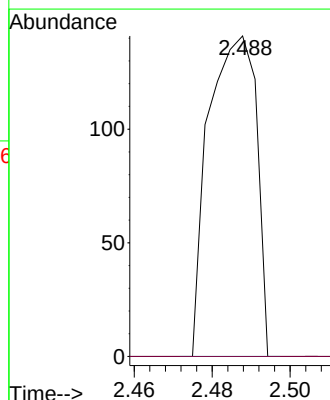
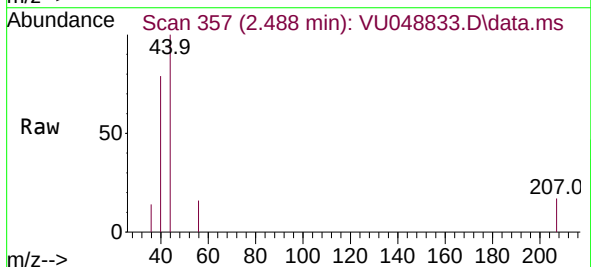
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

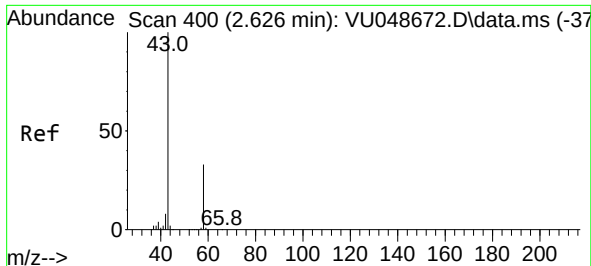
Tgt Ion: 59 Resp: 8179
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

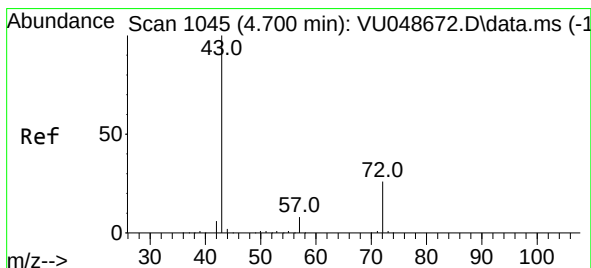
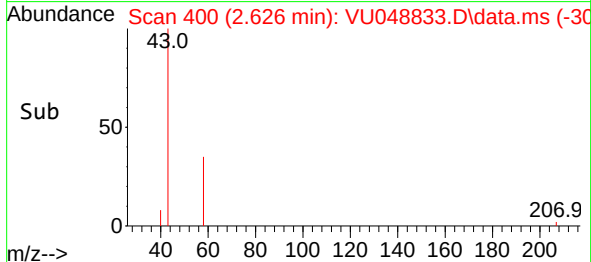
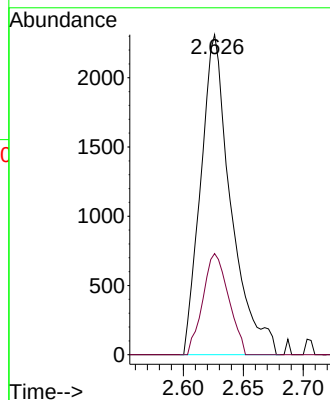
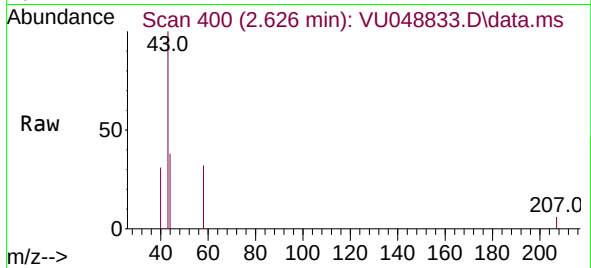




#16
Acetone
Concen: 1.591 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

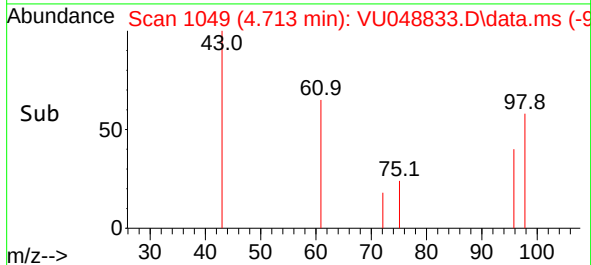
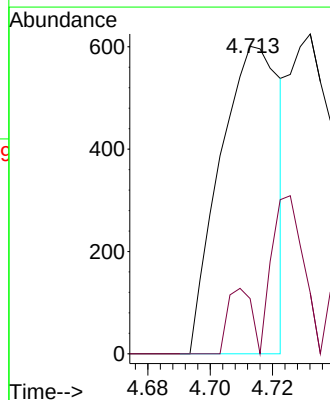
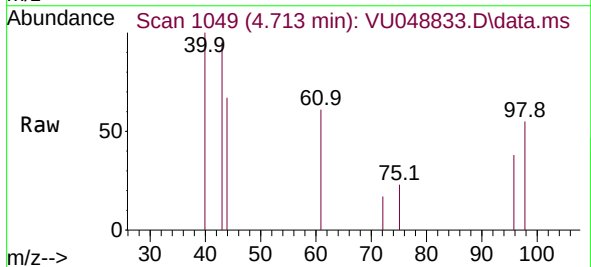
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

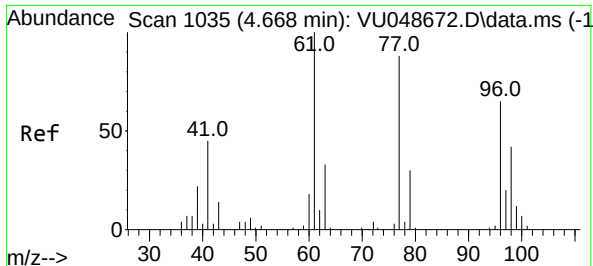
Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
58 31.6 26.3 39.5



#25
2-Butanone
Concen: 0.218 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
72 18.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 4.323 ug/l

RT: 4.668 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048833.D

Acq: 03 Jun 2022 03:38

Instrument :

MSVOA_U

ClientSampleId :

MH-118.5T-20220527

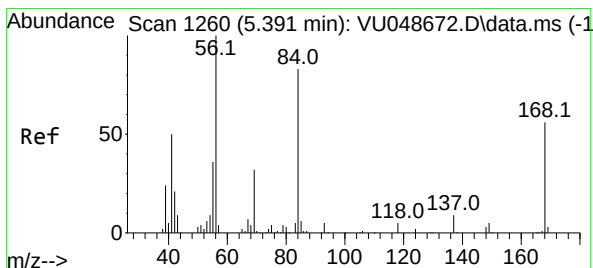
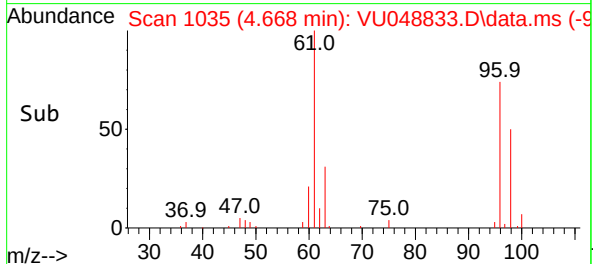
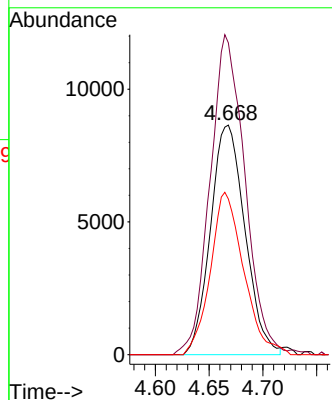
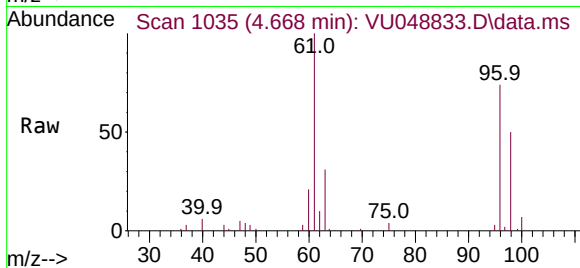
Tgt Ion: 96 Resp: 19290

Ion Ratio Lower Upper

96 100

61 140.5 0.0 306.2

98 68.3 0.0 130.4



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048833.D

Acq: 03 Jun 2022 03:38

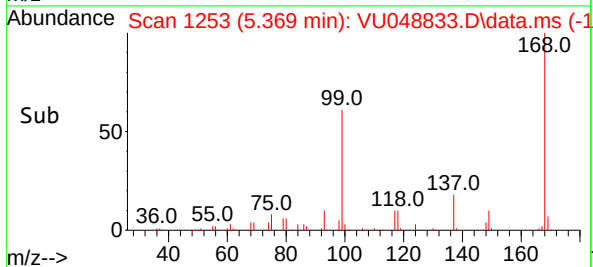
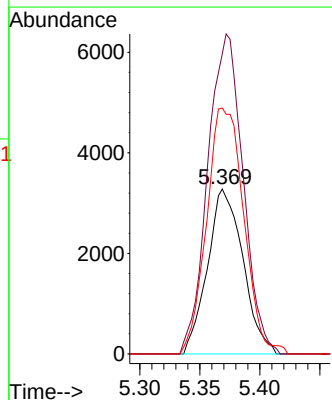
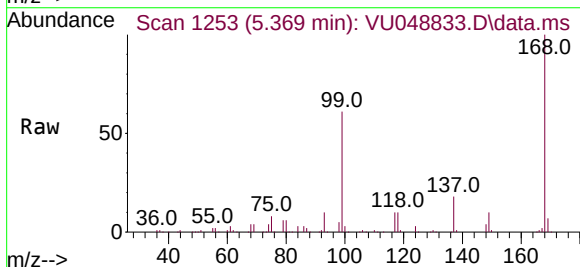
Tgt Ion: 56 Resp: 6735

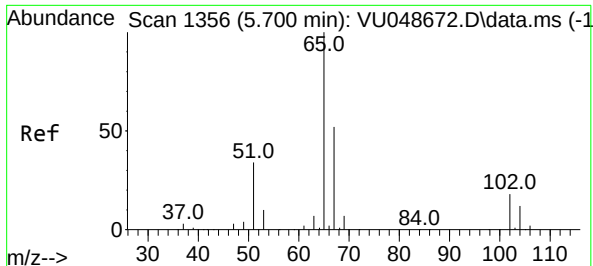
Ion Ratio Lower Upper

56 100

69 182.0 25.6 38.4#

84 149.1 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 46.343 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048833.D

Acq: 03 Jun 2022 03:38

Instrument :

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ClientSampleId :

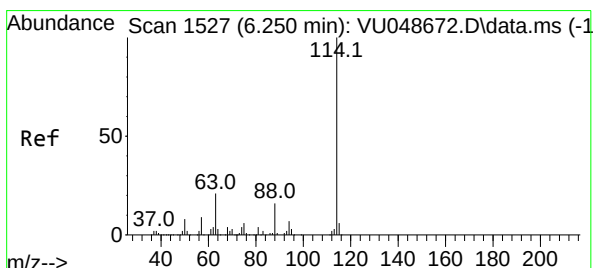
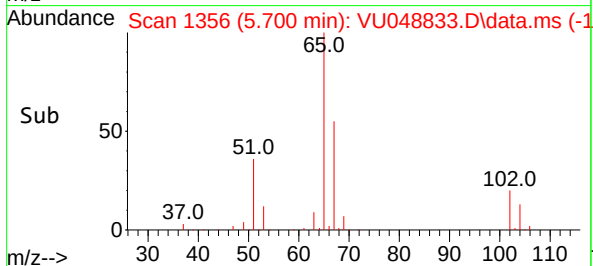
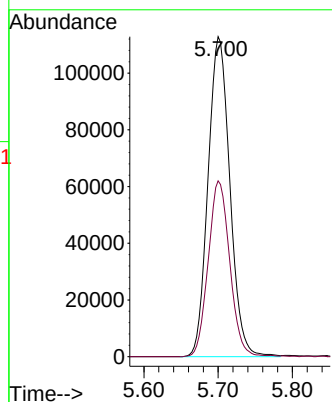
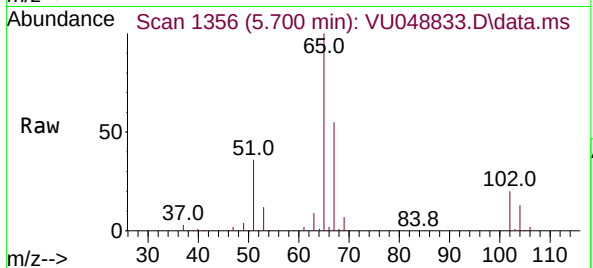
MH-118.5T-20220527

Tgt Ion: 65 Resp: 230471

Ion Ratio Lower Upper

65 100

67 54.1 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: VU048833.D

Acq: 03 Jun 2022 03:38

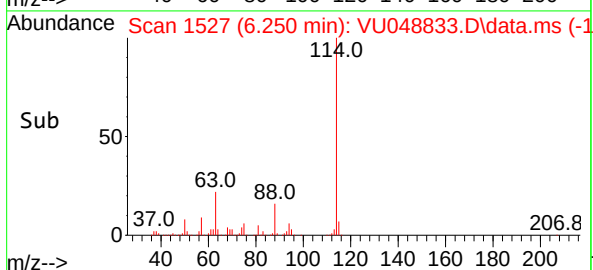
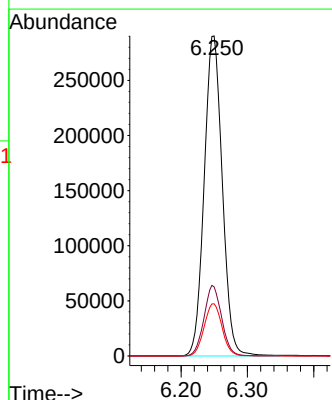
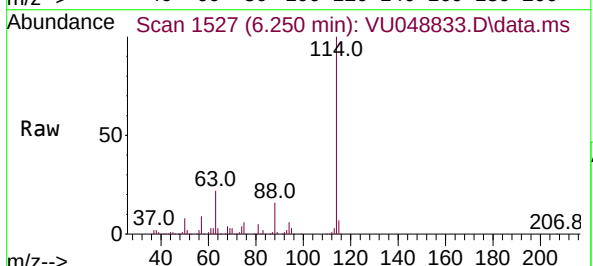
Tgt Ion: 114 Resp: 550376

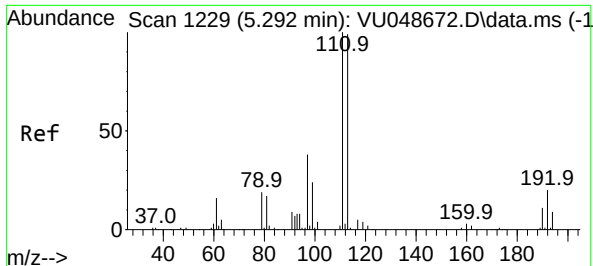
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 43.913 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048833.D

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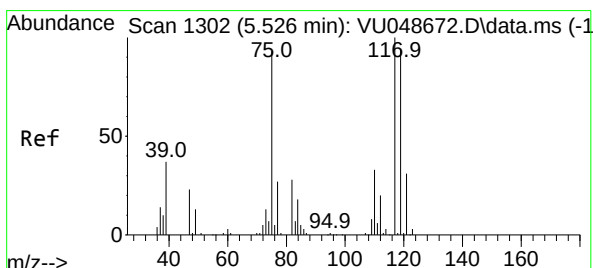
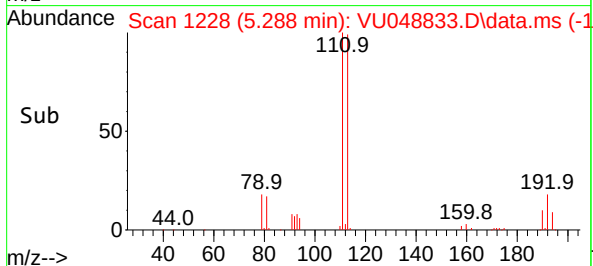
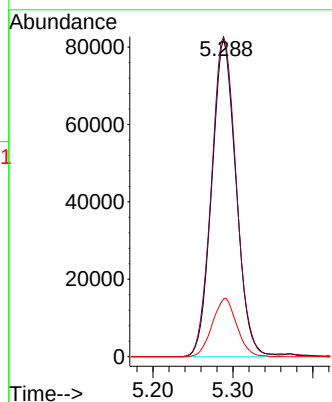
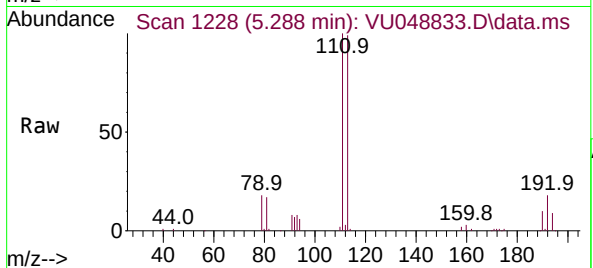
Tgt Ion:113 Resp: 172423

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

192 18.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.155 min

Lab File: VU048833.D

Acq: 03 Jun 2022 03:38

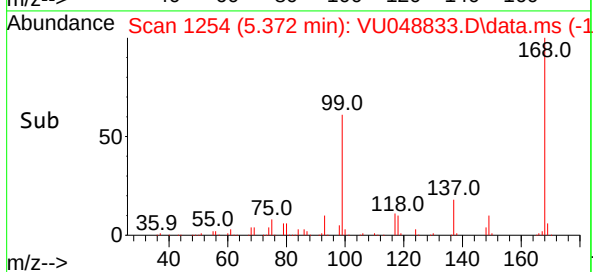
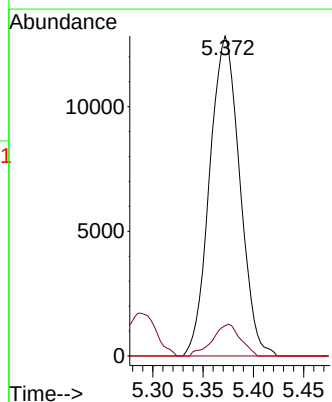
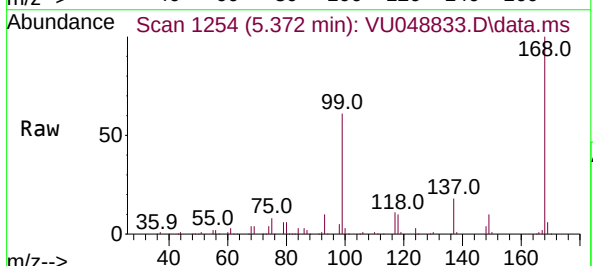
Tgt Ion: 75 Resp: 26671

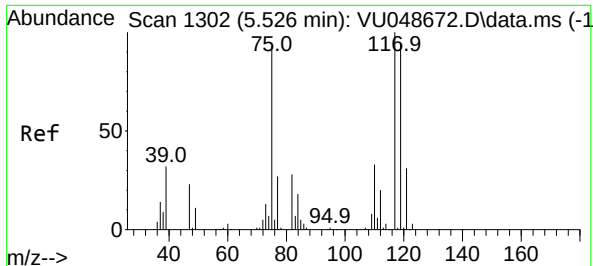
Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.3#

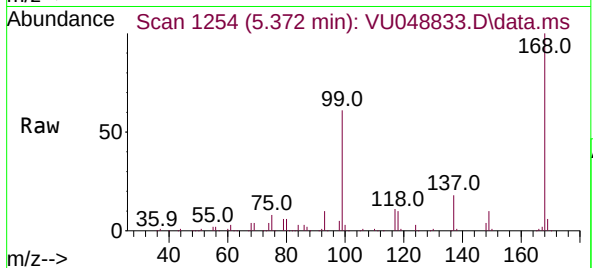
77 0.0 24.8 37.2#



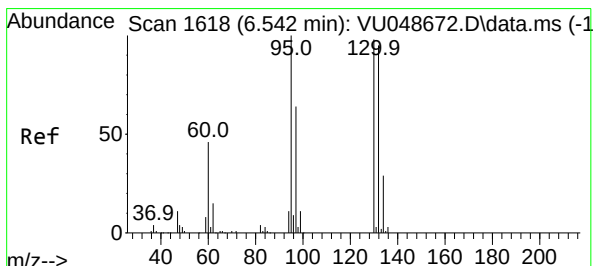
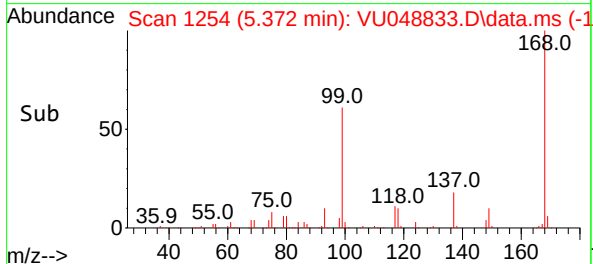
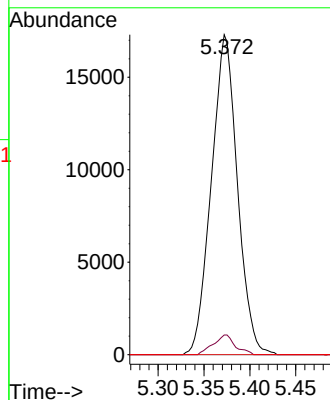


#38
Carbon Tetrachloride
Concen: 5.202 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.155 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

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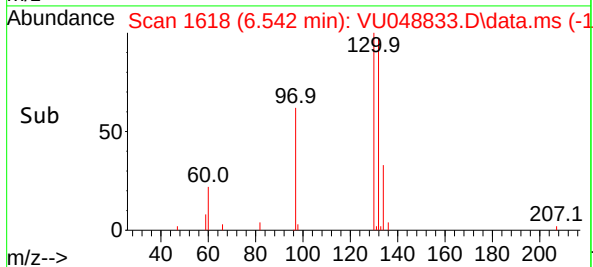
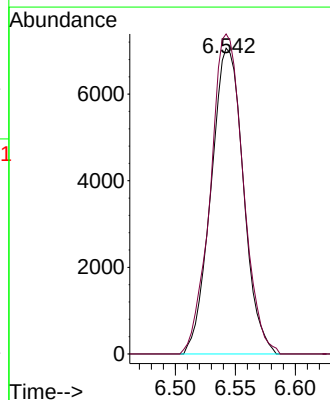
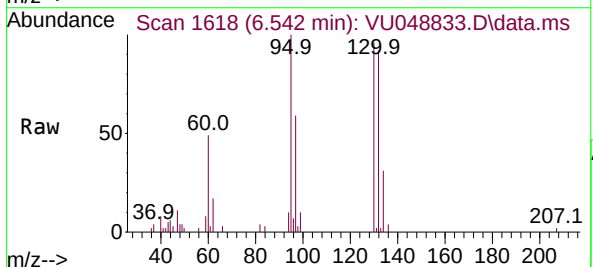


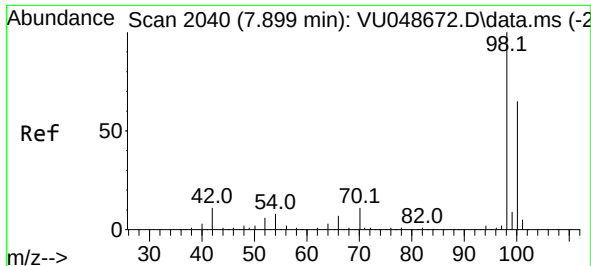
Tgt Ion:117 Resp: 34204
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 3.037 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion:130 Resp: 13238
Ion Ratio Lower Upper
130 100
95 104.7 0.0 204.8

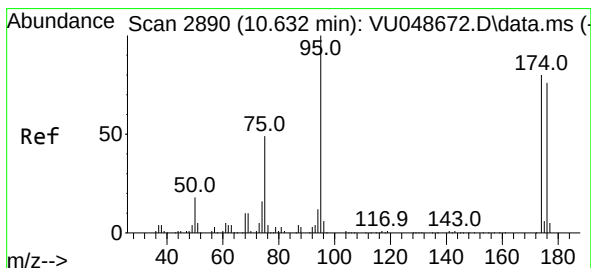
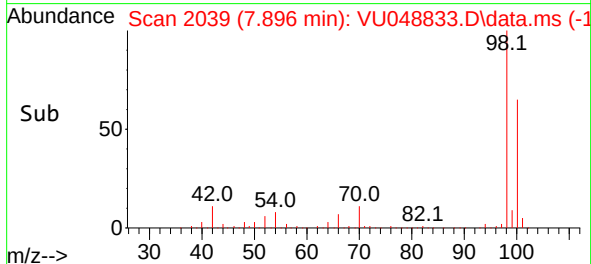
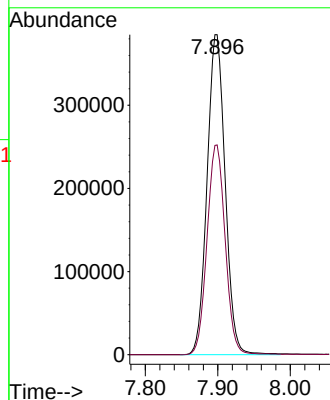
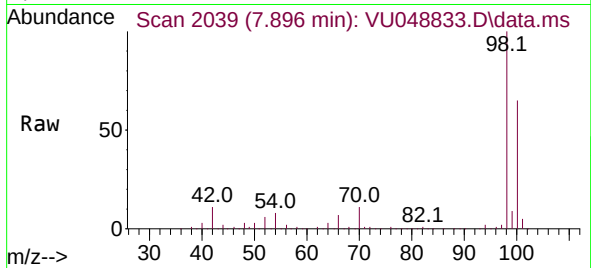




#50
Toluene-d8
Concen: 47.405 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

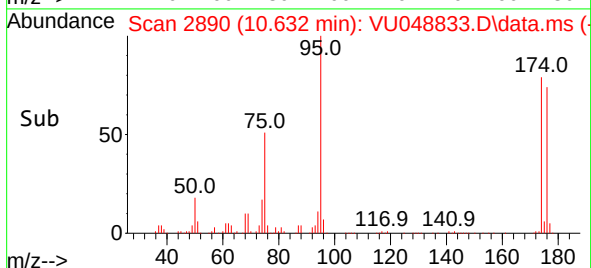
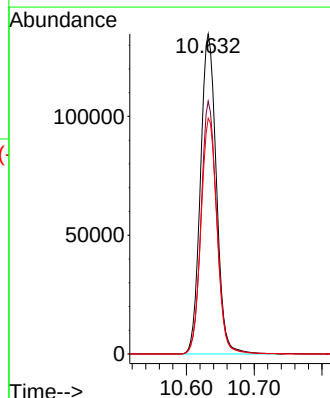
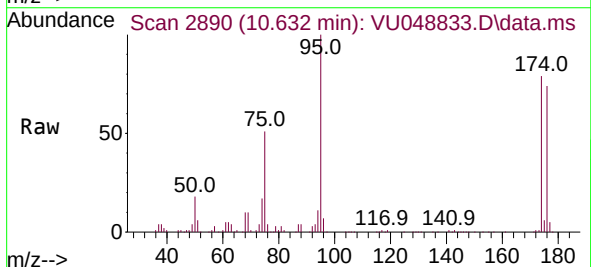
Instrument :
MSVOA_U
ClientSampleId :
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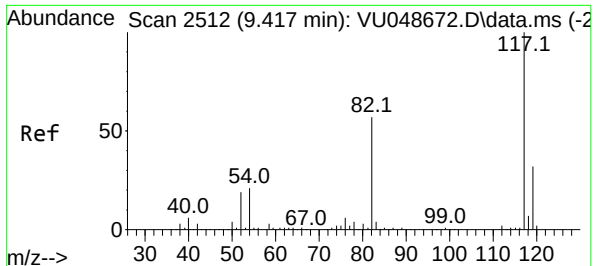
Tgt Ion: 98 Resp: 667225
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 41.230 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion: 95 Resp: 219473
Ion Ratio Lower Upper
95 100
174 77.7 0.0 159.4
176 74.1 0.0 152.4

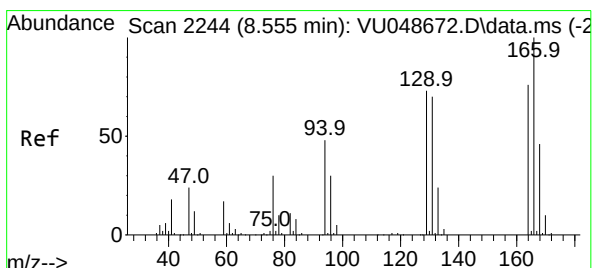
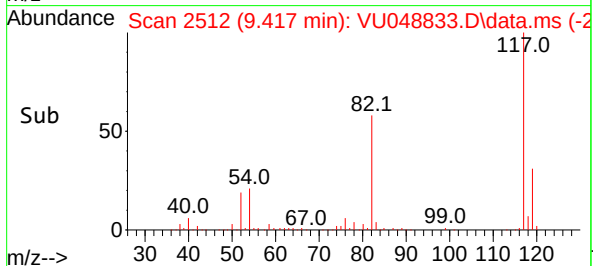
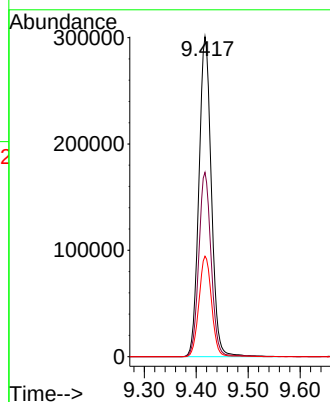
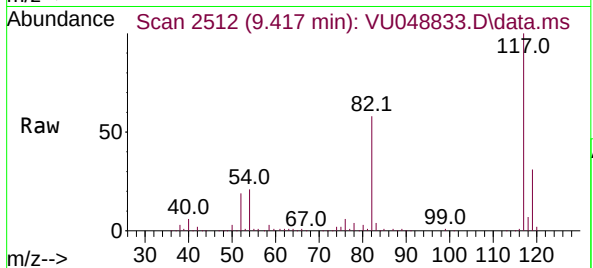




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

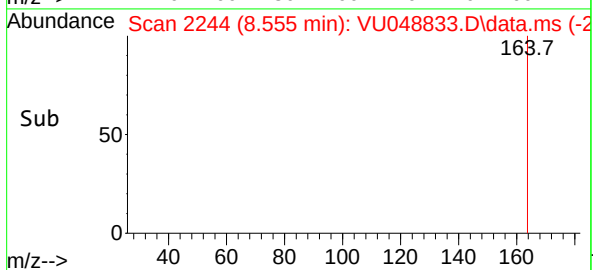
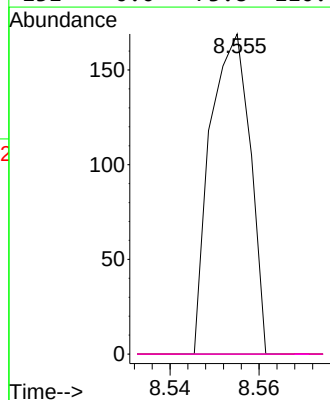
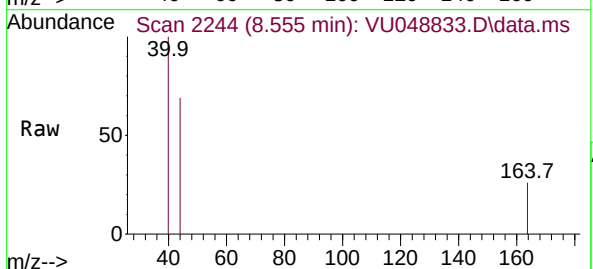
Instrument :
MSVOA_U
ClientSampleId :
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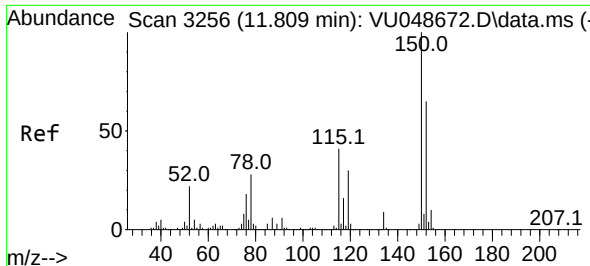
Tgt Ion:117 Resp: 499418
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion:164 Resp: 105
Ion Ratio Lower Upper
164 100
166 0.0 105.0 157.4#
129 0.0 76.5 114.7#
131 0.0 73.8 110.6#

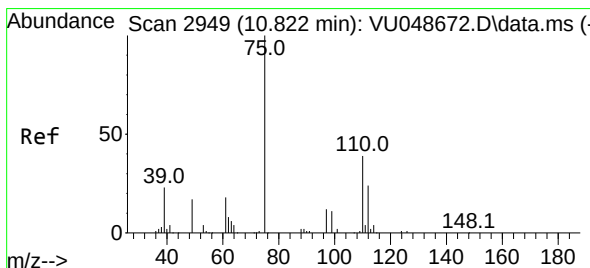
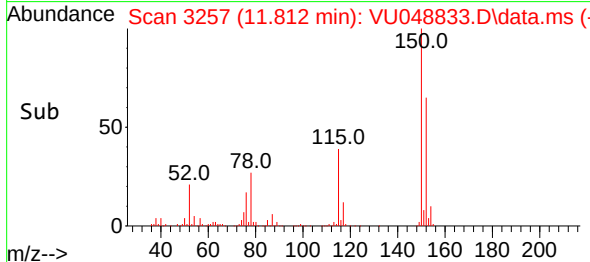
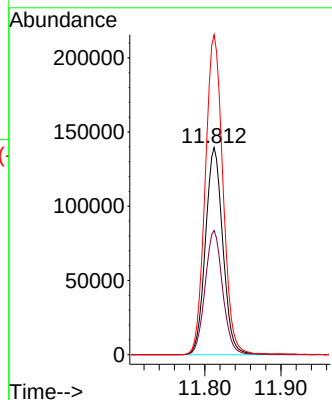
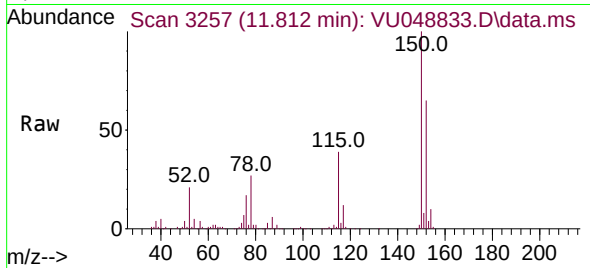




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048833.D
 Acq: 03 Jun 2022 03:38

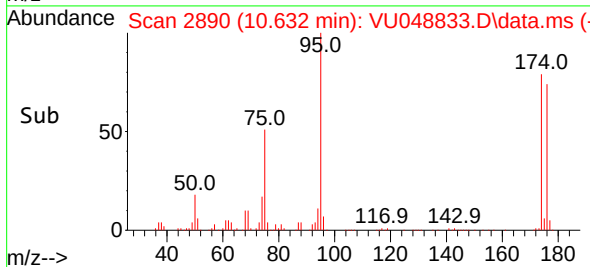
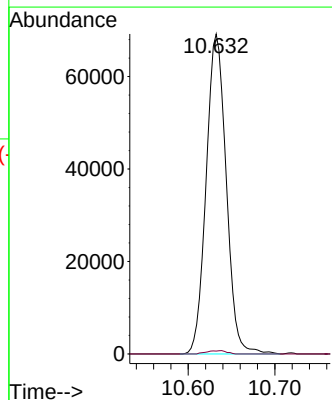
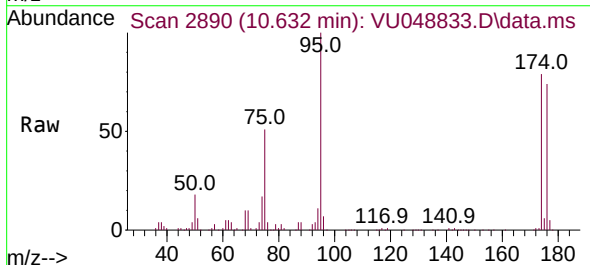
Instrument :
 MSVOA_U
 ClientSampleId :
 MH-118.5T-20220527

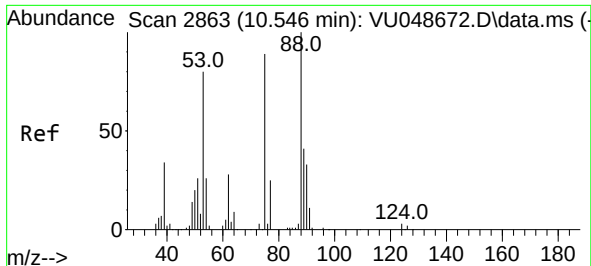
Tgt Ion:152 Resp: 221668
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.8 125.4
 150 156.8 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 15.574 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048833.D
 Acq: 03 Jun 2022 03:38

Tgt Ion: 75 Resp: 111306
 Ion Ratio Lower Upper
 75 100
 77 1.0 14.8 44.3#

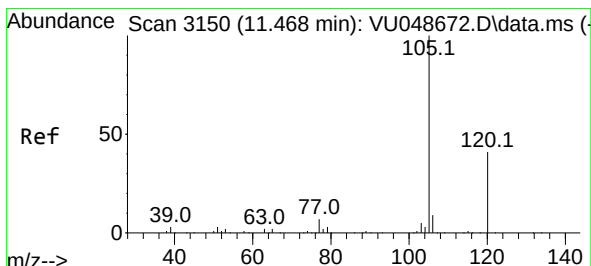
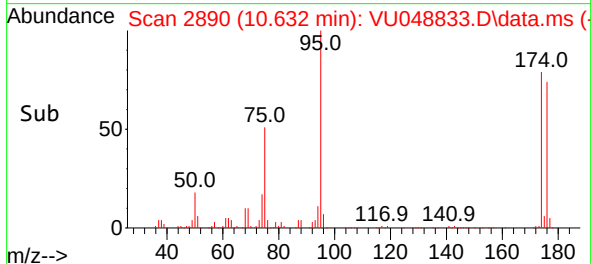
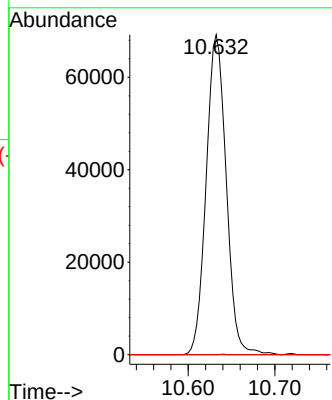
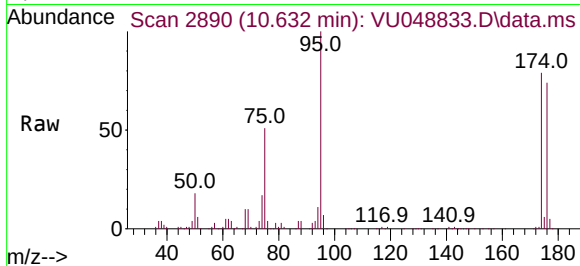




#81
trans-1,4-Dichloro-2-butene
Concen: 56.546 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

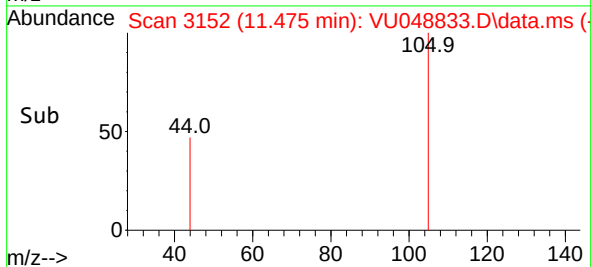
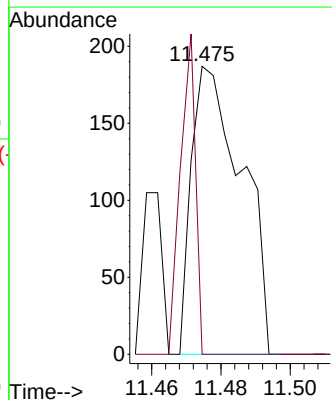
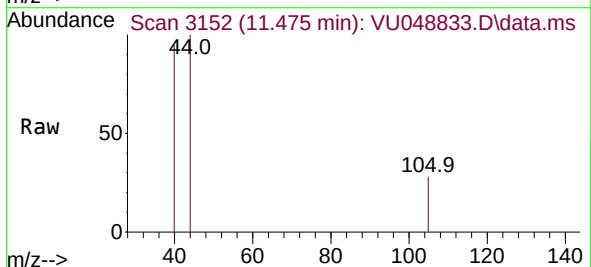
Instrument :
MSVOA_U
ClientSampleId :
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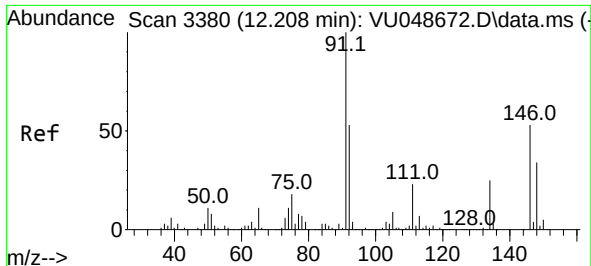
Tgt Ion: 75 Resp: 111306
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.201 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion: 105 Resp: 190
Ion Ratio Lower Upper
105 100
120 33.2 22.5 67.5

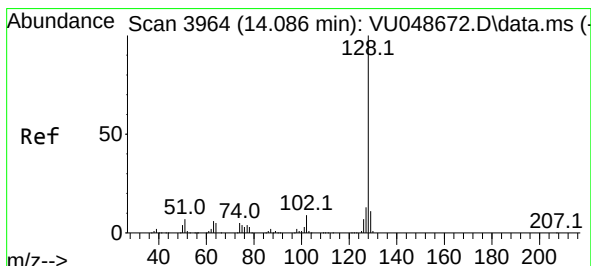
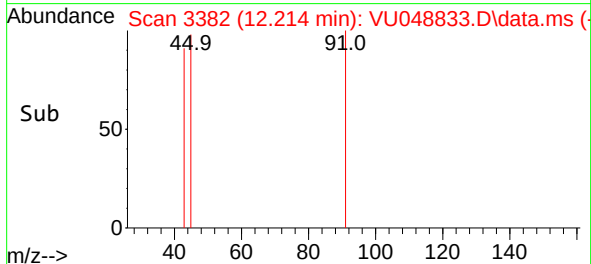
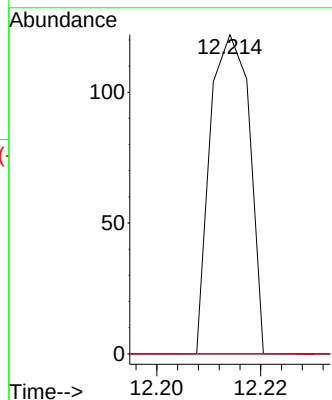
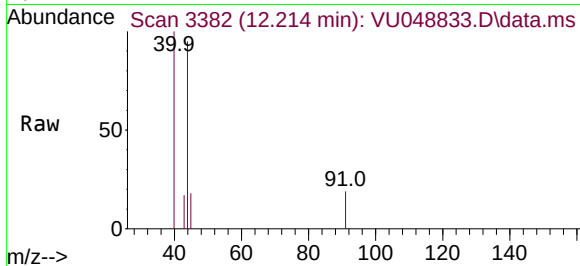




#89
n-Butylbenzene
Concen: 2.190 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

Tgt Ion: 91	Resp:	64
Ion	Ratio	Lower Upper
91	100	
92	0.0	25.9 77.8#
134	0.0	12.5 37.5#



#95
Naphthalene
Concen: 2.979 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048833.D
Acq: 03 Jun 2022 03:38

Tgt Ion: 128	Resp:	8195
Ion	Ratio	Lower Upper
128	100	
127	13.7	10.2 15.4
129	10.8	8.7 13.1

