

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048835.D
 Acq On : 03 Jun 2022 04:25
 Operator : SY/MD
 Sample : N3112-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-121.5T-20220527

Quant Time: Jun 03 04:39:56 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)

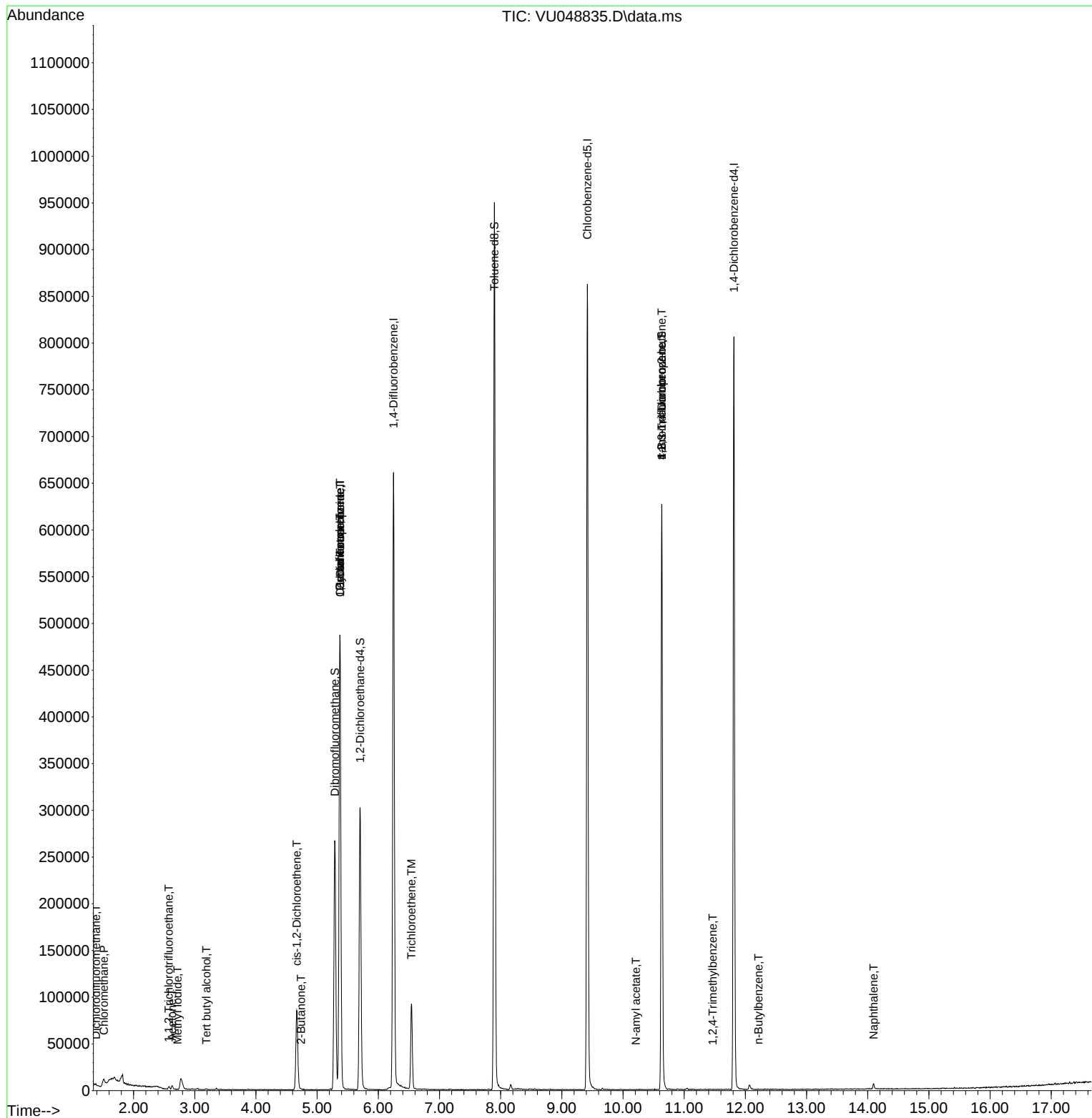
Internal Standards						
1) Pentafluorobenzene	5.372	168	324735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	531514	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	476793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	214712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	230274	47.217	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.440%
35) Dibromofluoromethane	5.288	113	176365	46.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.020%
50) Toluene-d8	7.896	98	637777	46.920	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.840%
62) 4-Bromofluorobenzene	10.632	95	215393	41.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	858	0.231	ug/l	94
3) Chloromethane	1.517	50	1088	0.227	ug/l	92
5) Bromomethane	1.858	94	450	Below Cal	#	3
6) Chloroethane	1.941	64	216	Below Cal		95
9) 1,1,2-Trichlorotrifluo...	2.575	101	736	0.212	ug/l	95
10) Methyl Iodide	2.719	142	102	3.023	ug/l #	37
11) Tert butyl alcohol	3.189	59	342	0.277	ug/l #	28
16) Acetone	2.629	43	4795	1.929	ug/l	96
25) 2-Butanone	4.739	43	892	0.250	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	44651	10.203	ug/l	89
31) Cyclohexane	5.372	56	7404	1.205	ug/l #	6
36) 1,1-Dichloropropene	5.375	75	26618	4.810	ug/l #	50
38) Carbon Tetrachloride	5.375	117	33248	5.237	ug/l #	17
44) Trichloroethene	6.542	130	31051	7.377	ug/l	97
64) Tetrachloroethene	8.555	164	246	Below Cal	#	56
74) N-amyl acetate	10.211	43	43	2.473	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	111782	16.147	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	111782	58.627	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	116	1.196	ug/l #	31
89) n-Butylbenzene	12.214	91	68	2.191	ug/l #	34
95) Naphthalene	14.095	128	5827	2.860	ug/l #	94

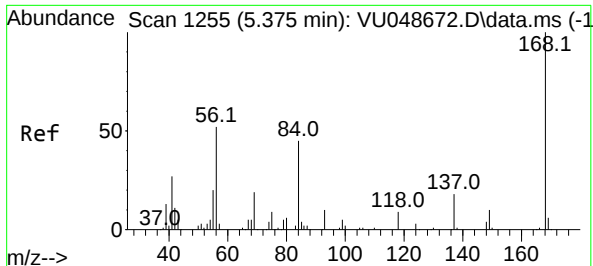
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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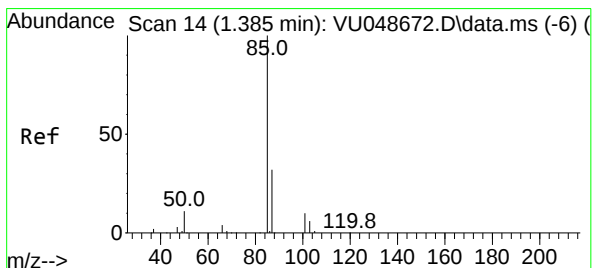
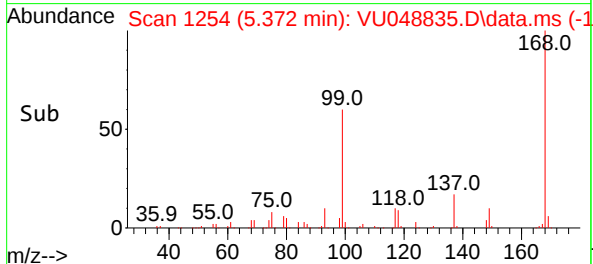
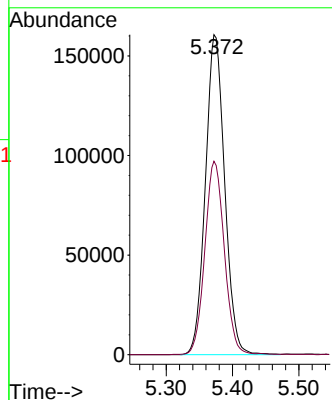
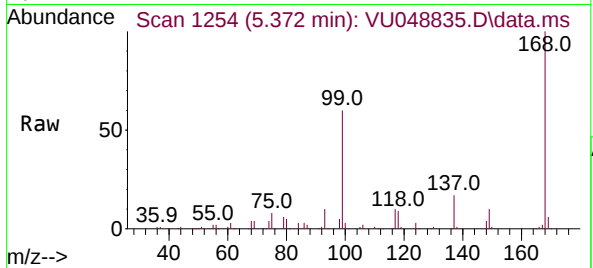




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

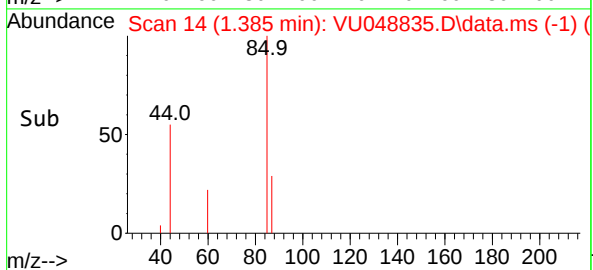
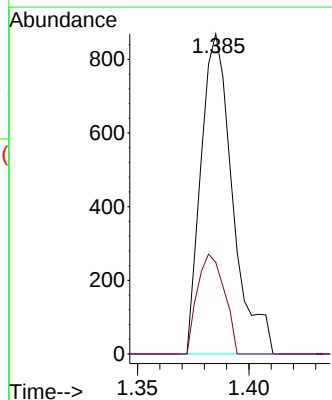
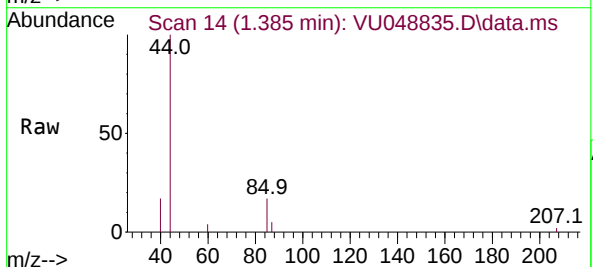
Instrument :
MSVOA_U
ClientSampleId :
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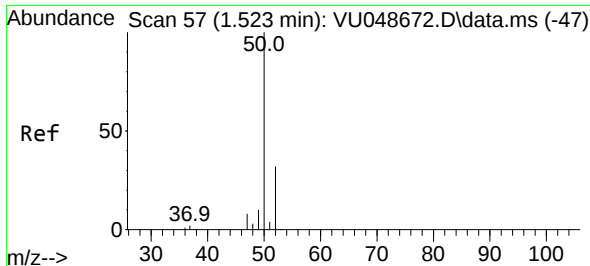
Tgt Ion:168 Resp: 324735
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 0.231 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 85 Resp: 858
Ion Ratio Lower Upper
85 100
87 28.7 16.0 48.0

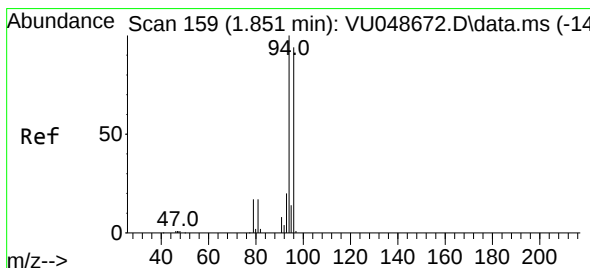
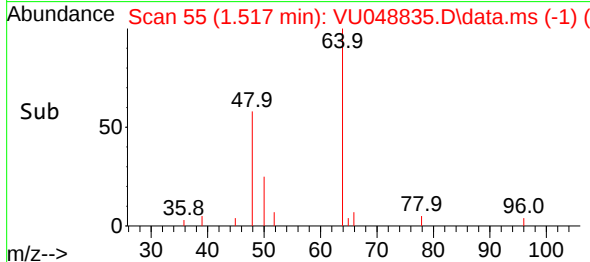
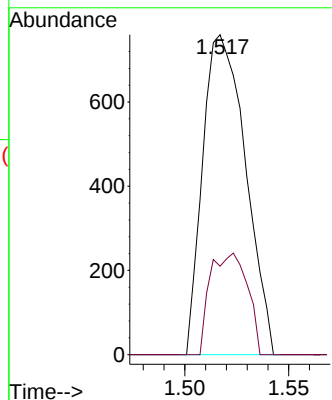
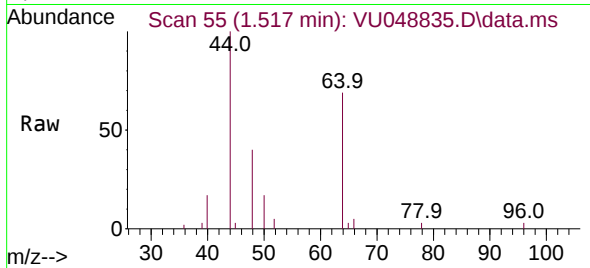




#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

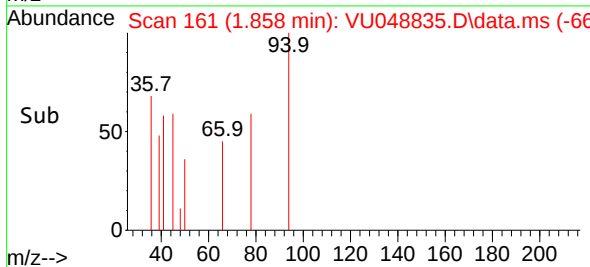
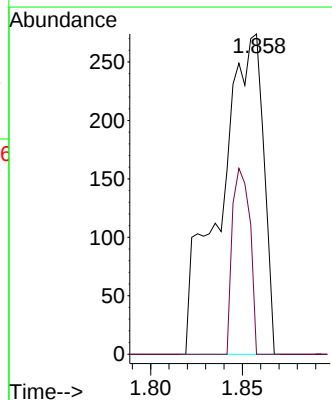
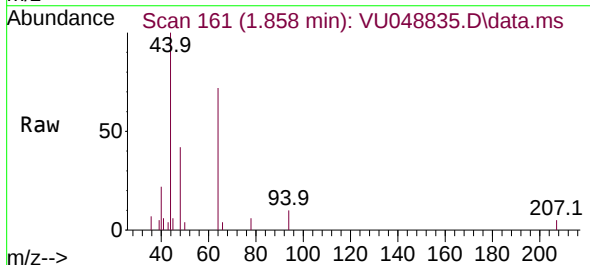
Instrument :
MSVOA_U
ClientSampleId :
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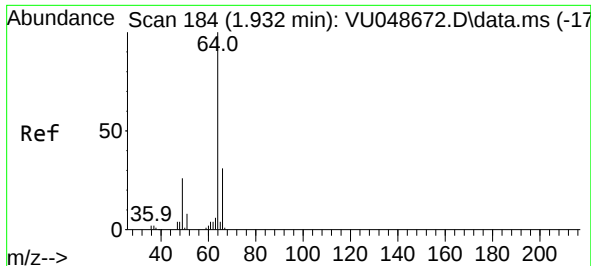
Tgt Ion: 50 Resp: 1088
Ion Ratio Lower Upper
50 100
52 27.6 25.7 38.5



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.007 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

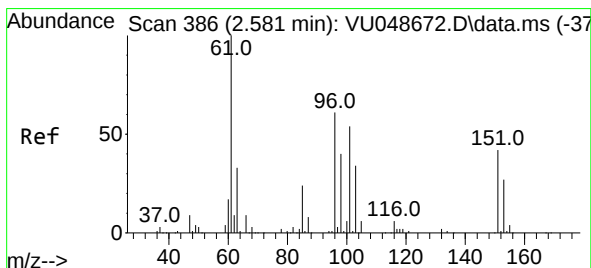
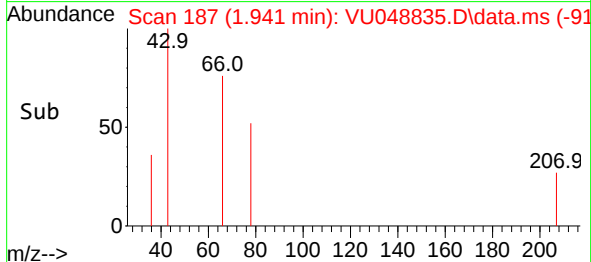
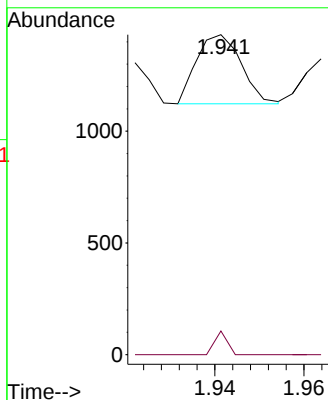
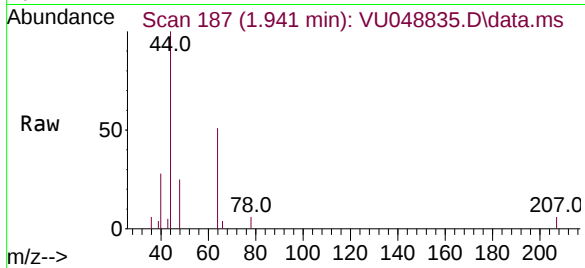




#6
Chloroethane
Concen: Below Cal
RT: 1.941 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

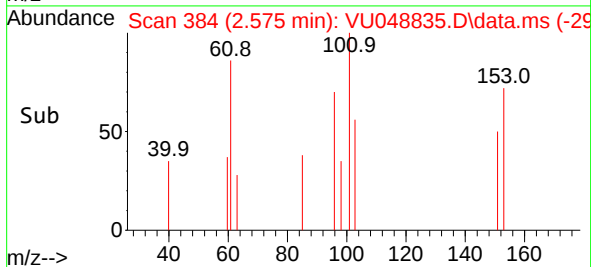
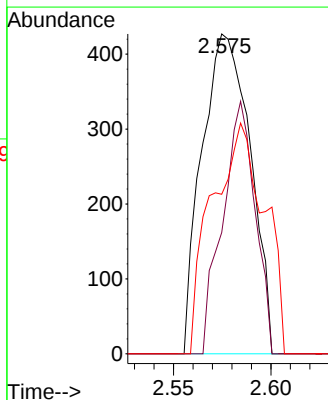
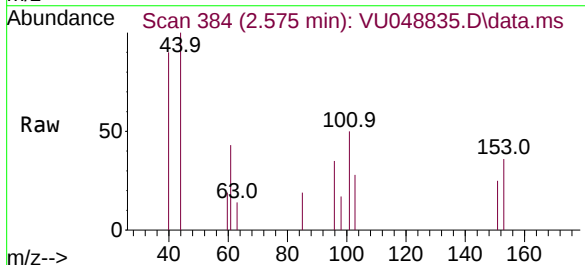
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527

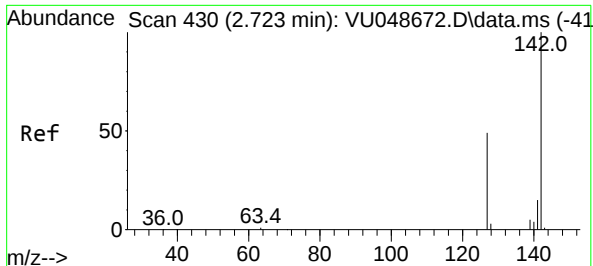
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 34.3 25.2 37.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.212 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 101 Resp: 736
Ion Ratio Lower Upper
101 100
85 53.0 35.4 53.2
151 78.1 62.5 93.7





#10

Methyl Iodide

Concen: 3.023 ug/l

RT: 2.719 min Scan# 41

Delta R.T. -0.004 min

Lab File: VU048835.D

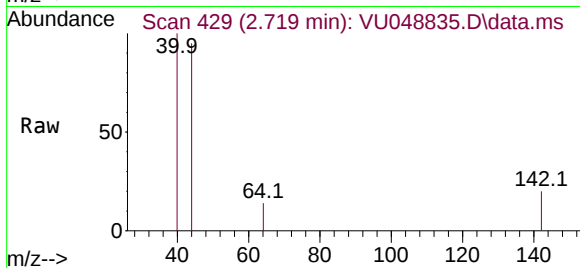
Acq: 03 Jun 2022 04:25

Instrument :

MSVOA_U

ClientSampleId :

MH-121.5T-20220527



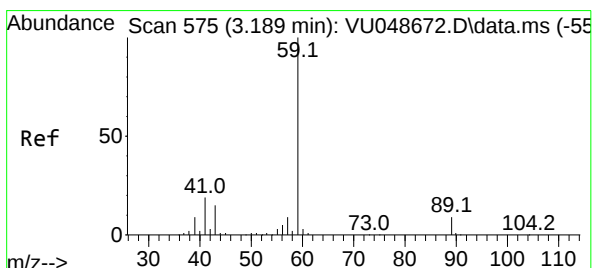
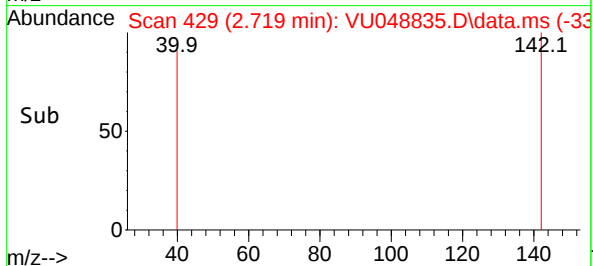
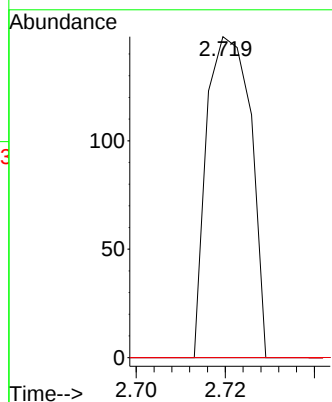
Tgt Ion:142 Resp: 102

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: 0.277 ug/l

RT: 3.189 min Scan# 575

Delta R.T. 0.000 min

Lab File: VU048835.D

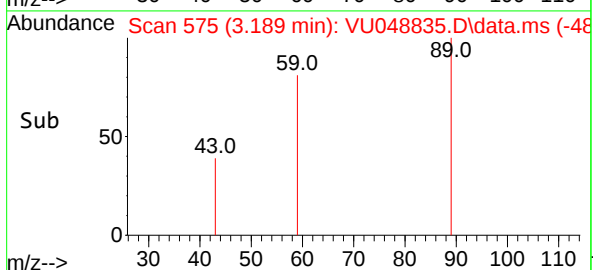
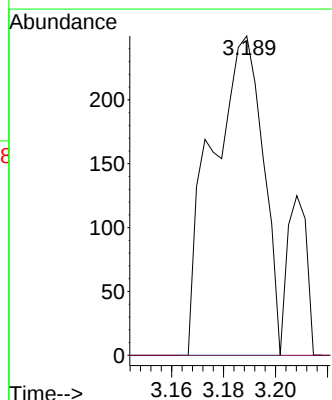
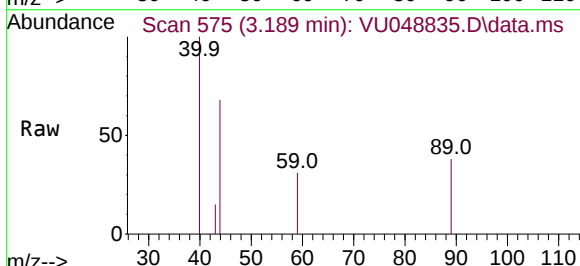
Acq: 03 Jun 2022 04:25

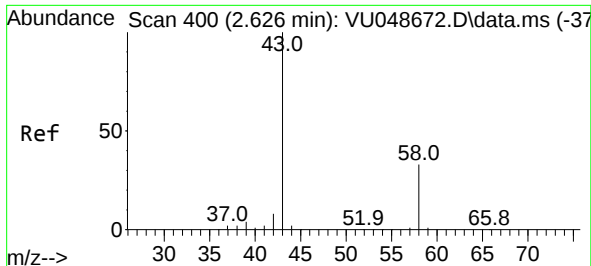
Tgt Ion: 59 Resp: 342

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#

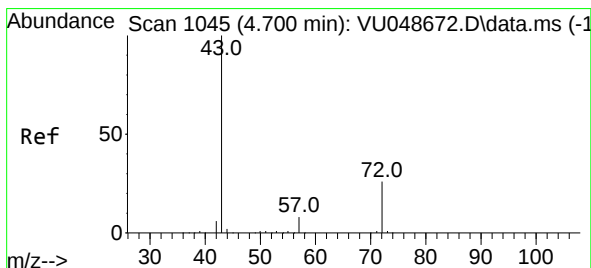
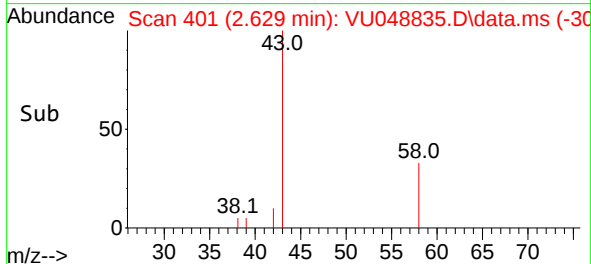
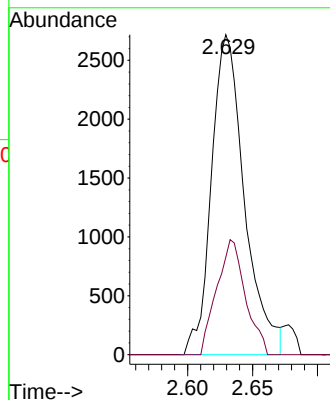
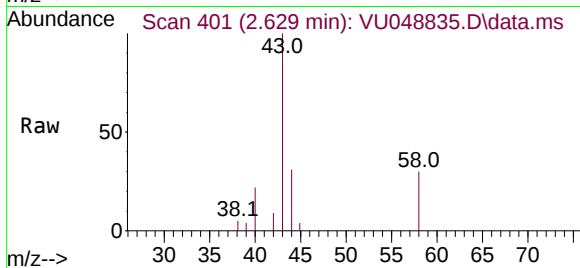




#16
Acetone
Concen: 1.929 ug/l
RT: 2.629 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

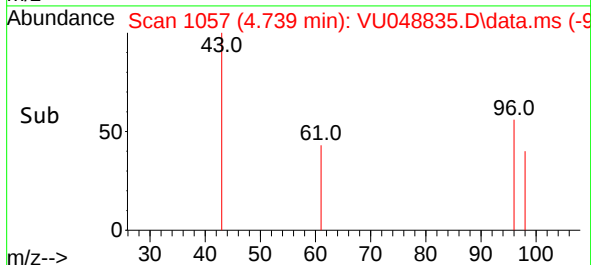
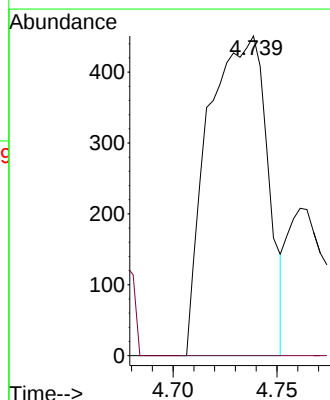
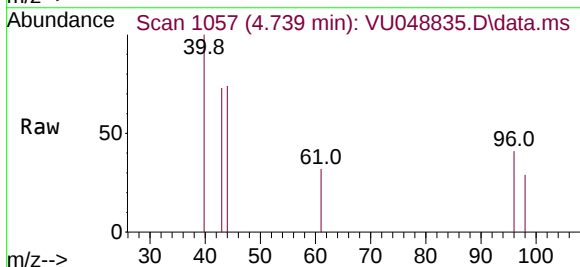
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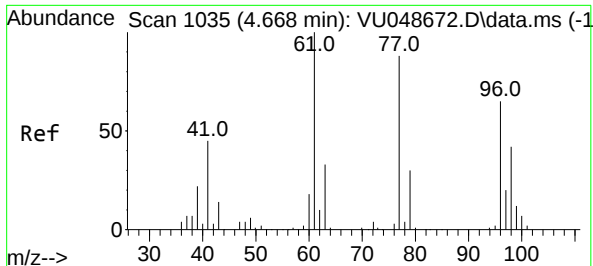
Tgt Ion: 43 Resp: 4795
Ion Ratio Lower Upper
43 100
58 30.4 26.3 39.5



#25
2-Butanone
Concen: 0.250 ug/l
RT: 4.739 min Scan# 1057
Delta R.T. 0.039 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

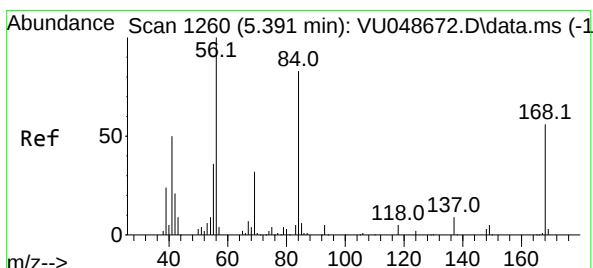
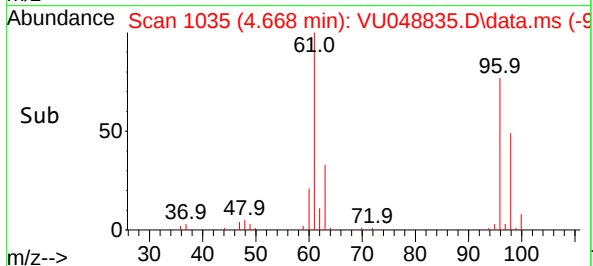
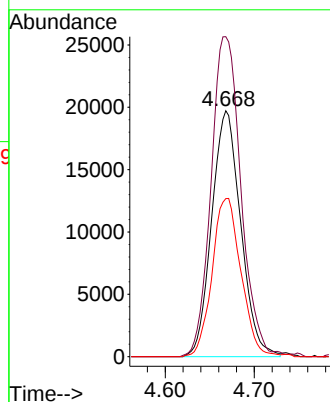
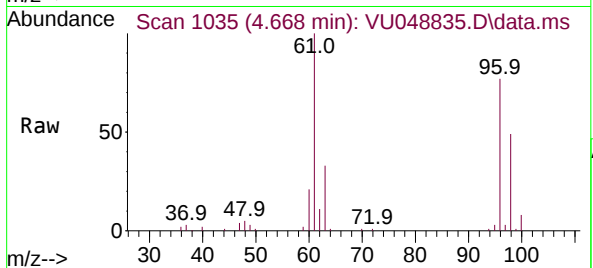




#27
 cis-1,2-Dichloroethene
 Concen: 10.203 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU048835.D
 Acq: 03 Jun 2022 04:25

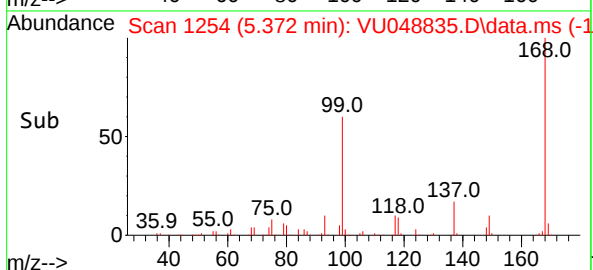
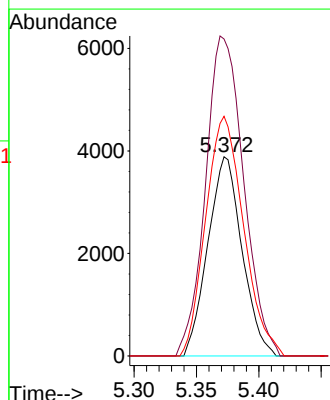
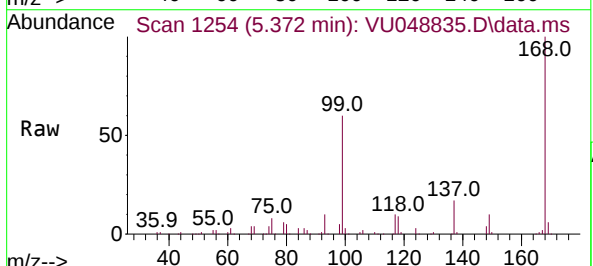
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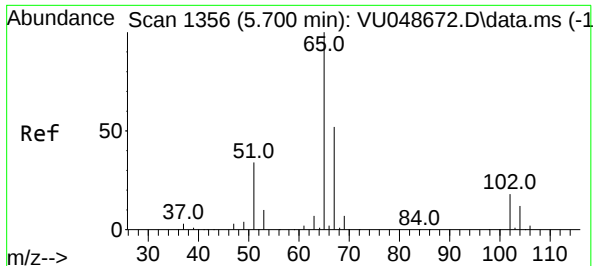
Tgt Ion:	96	Resp:	44651
Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	306.2
98	63.9	0.0	130.4



#31
 Cyclohexane
 Concen: 1.205 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.019 min
 Lab File: VU048835.D
 Acq: 03 Jun 2022 04:25

Tgt Ion:	56	Resp:	7404
Ion	Ratio	Lower	Upper
56	100		
69	159.1	25.6	38.4#
84	120.3	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 47.217 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048835.D

Acq: 03 Jun 2022 04:25

Instrument :

MSVOA_U

ClientSampleId :

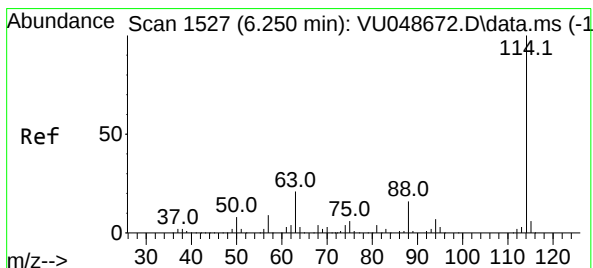
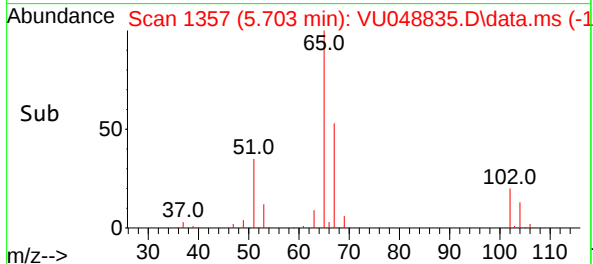
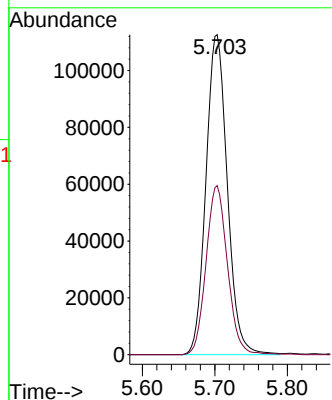
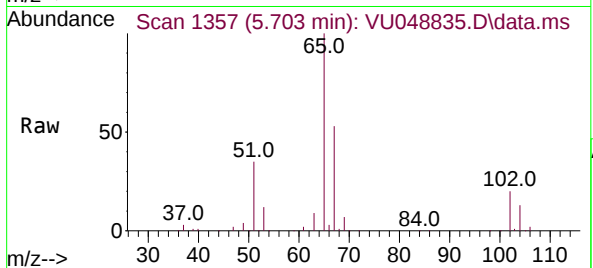
MH-121.5T-20220527

Tgt Ion: 65 Resp: 230274

Ion Ratio Lower Upper

65 100

67 53.0 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: VU048835.D

Acq: 03 Jun 2022 04:25

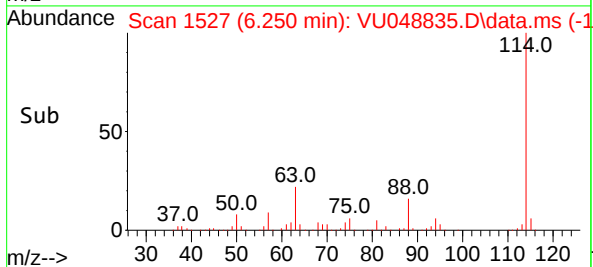
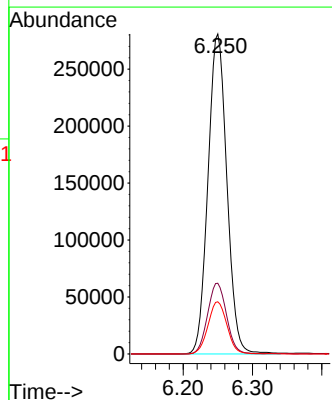
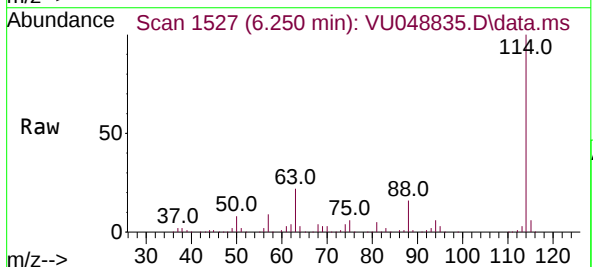
Tgt Ion: 114 Resp: 531514

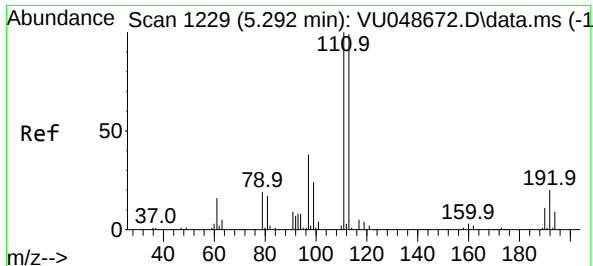
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.510 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048835.D

Acq: 03 Jun 2022 04:25

Instrument :

MSVOA_U

ClientSampleId :

MH-121.5T-20220527

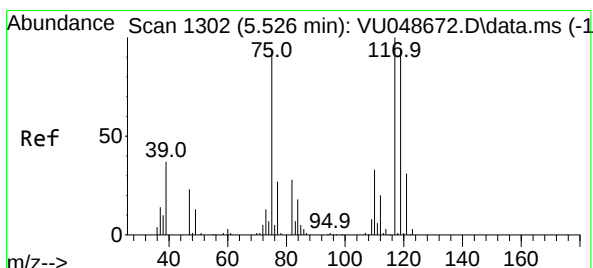
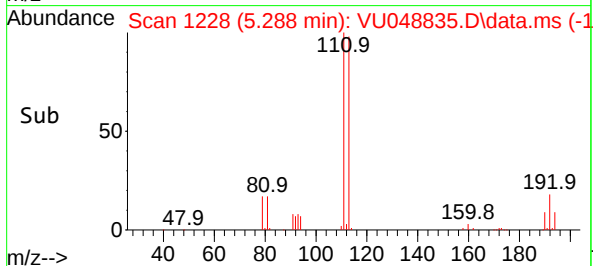
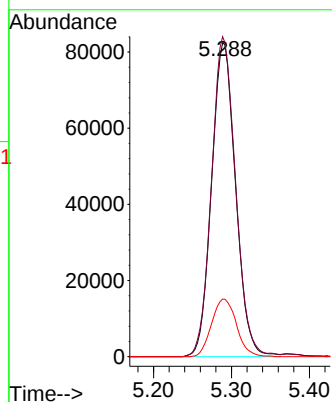
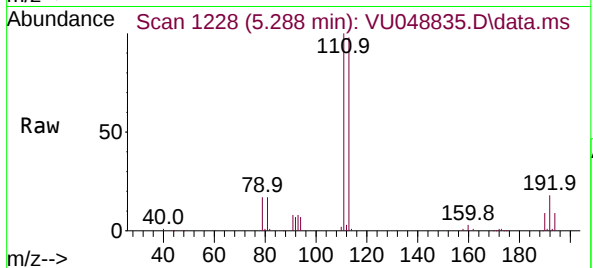
Tgt Ion:113 Resp: 176365

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

192 19.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048835.D

Acq: 03 Jun 2022 04:25

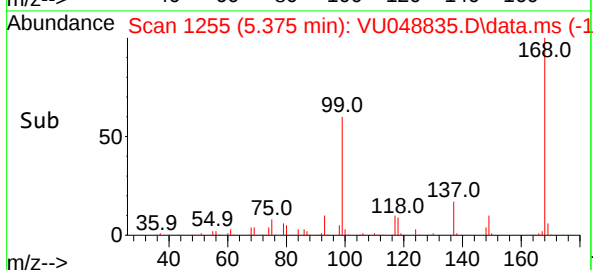
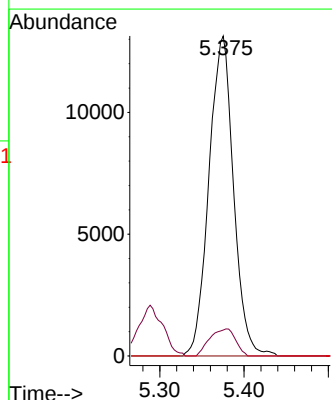
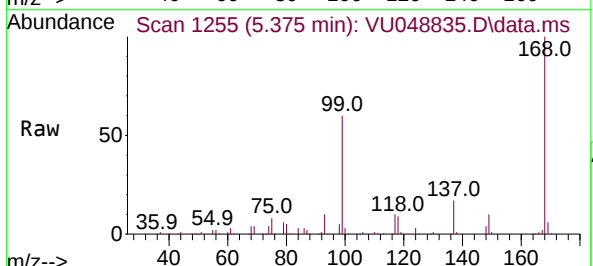
Tgt Ion: 75 Resp: 26618

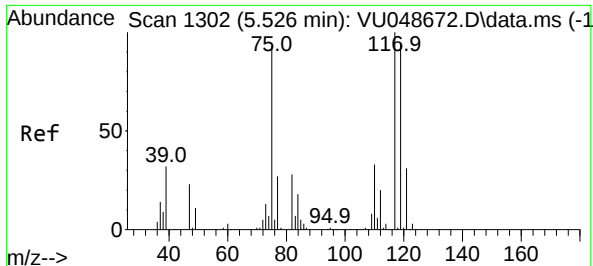
Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

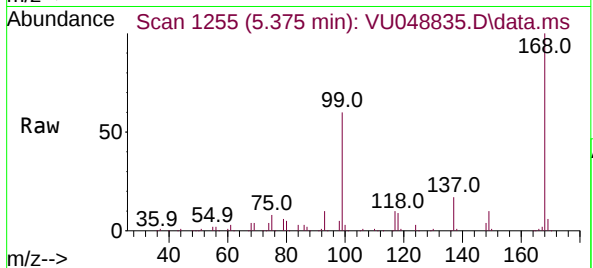
77 0.0 24.8 37.2#



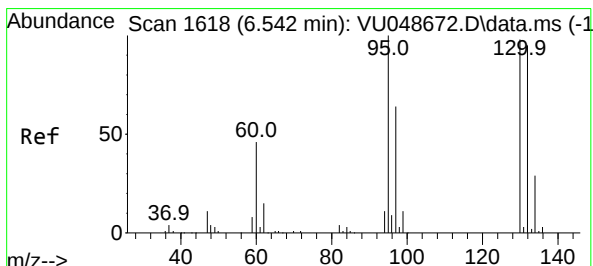
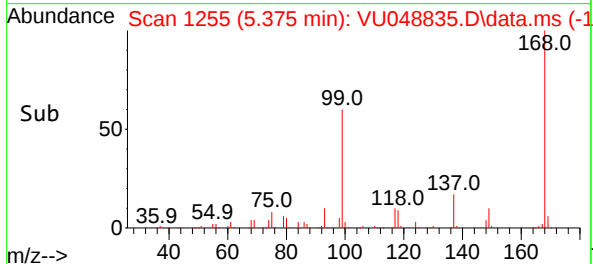
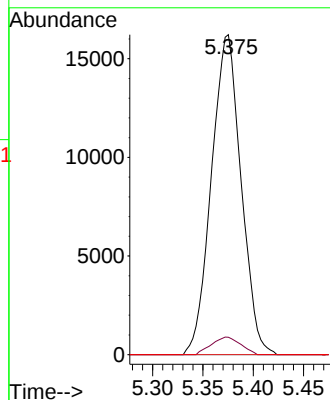


#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527

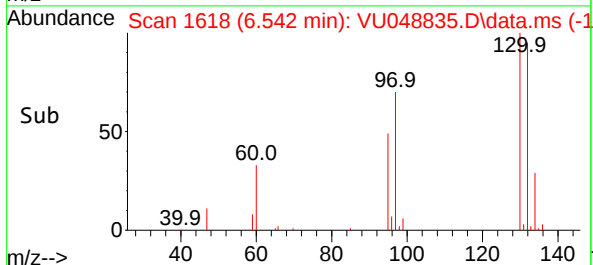
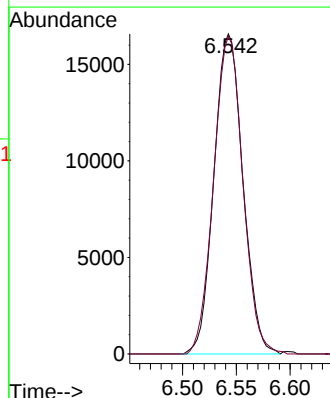
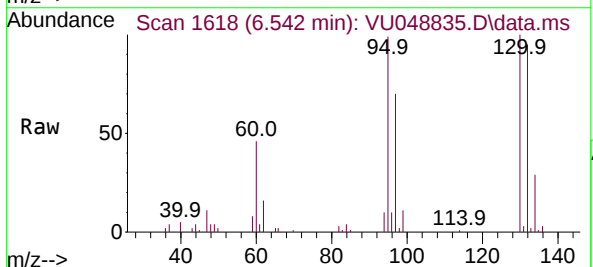


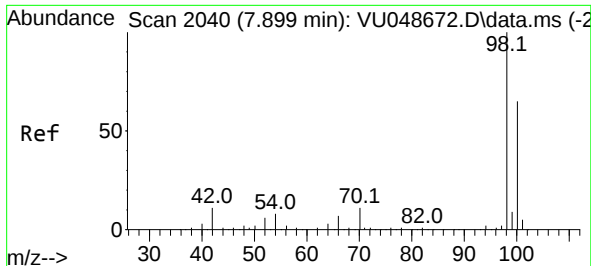
Tgt Ion:117 Resp: 33248
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 7.377 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion:130 Resp: 31051
Ion Ratio Lower Upper
130 100
95 99.3 0.0 204.8

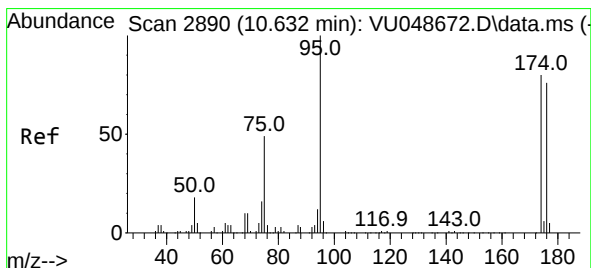
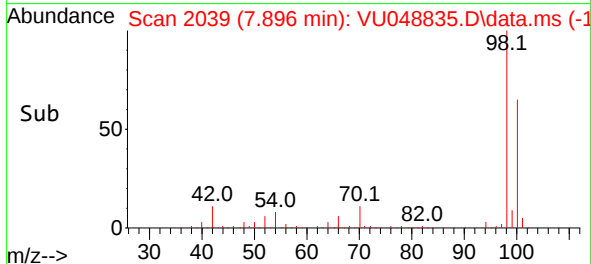
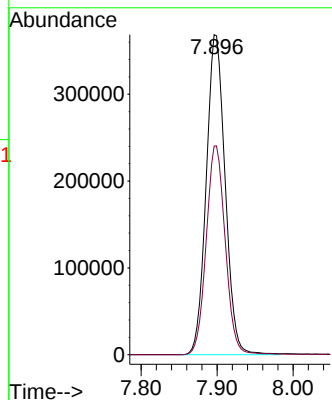
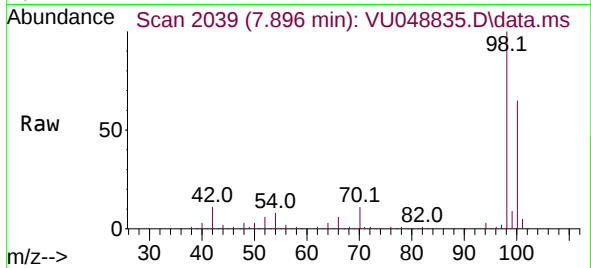




#50
Toluene-d8
Concen: 46.920 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

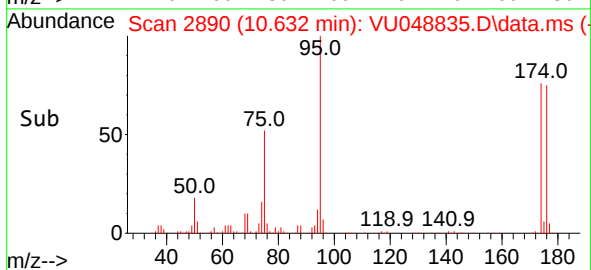
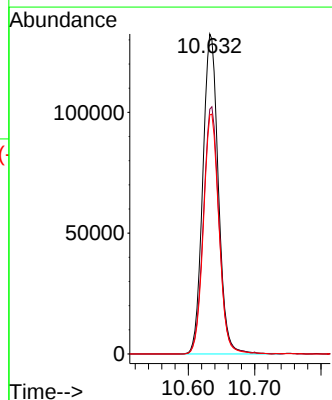
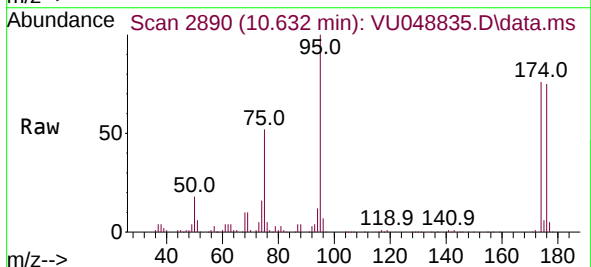
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527

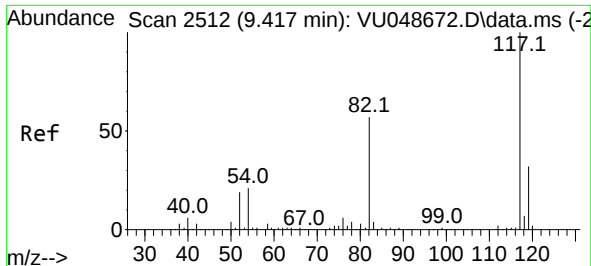
Tgt Ion: 98 Resp: 637777
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 41.900 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 95 Resp: 215393
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 74.9 0.0 152.4

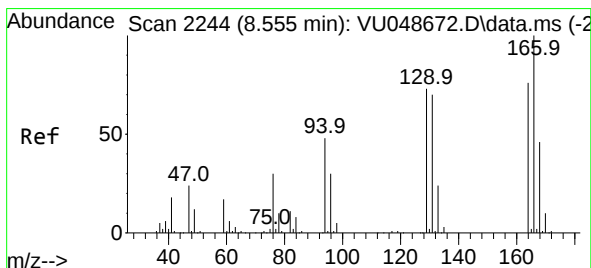
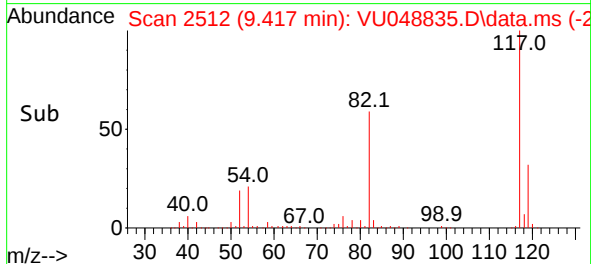
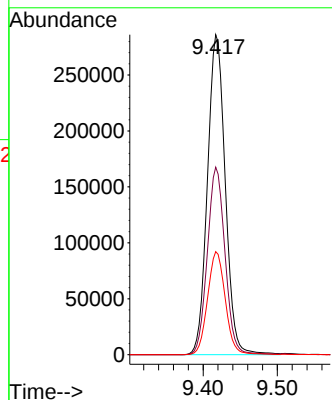
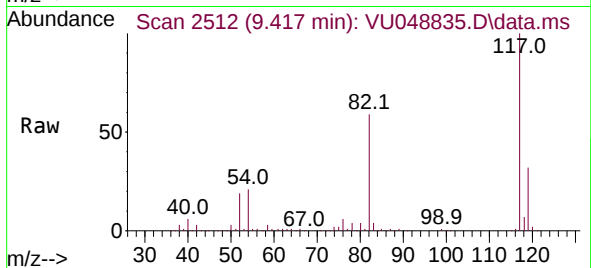




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

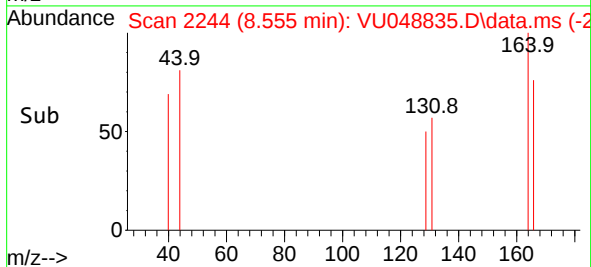
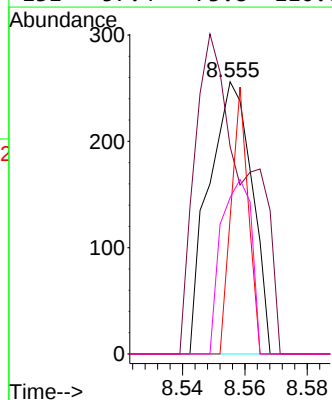
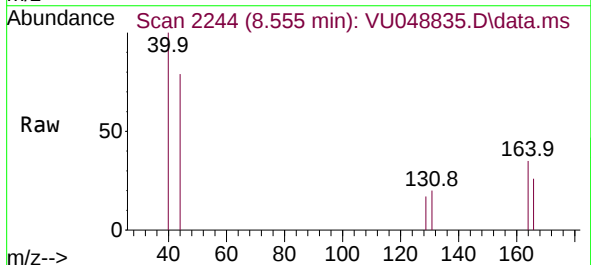
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527

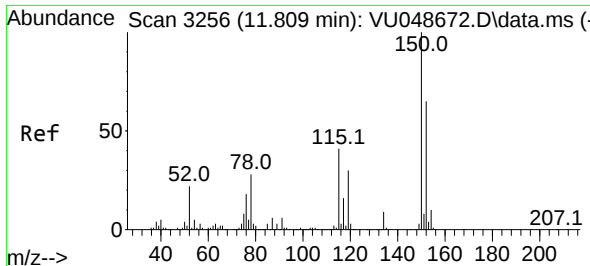
Tgt Ion:117 Resp: 476793
Ion Ratio Lower Upper
117 100
82 58.6 45.3 67.9
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

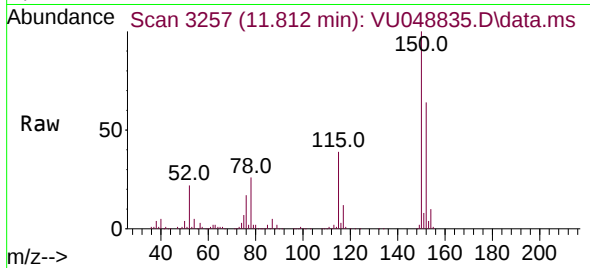
Tgt Ion:164 Resp: 246
Ion Ratio Lower Upper
164 100
166 76.2 105.0 157.4#
129 50.0 76.5 114.7#
131 57.4 73.8 110.6#



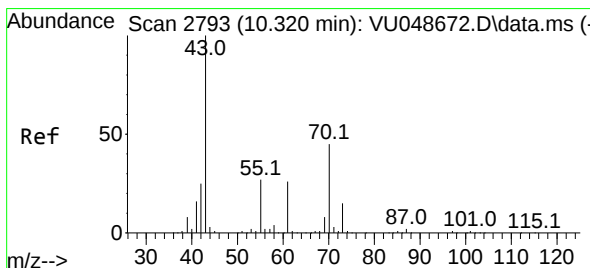
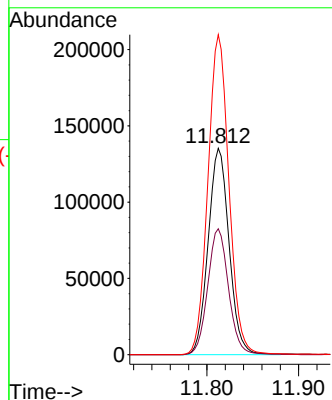
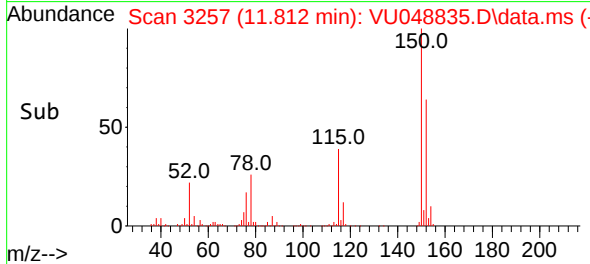


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

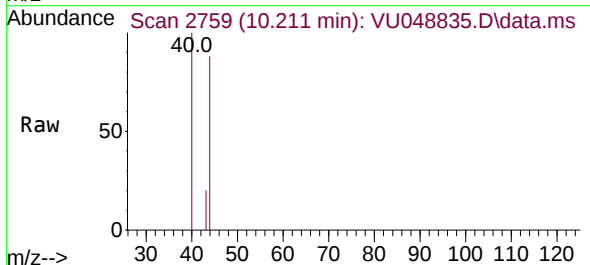
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527



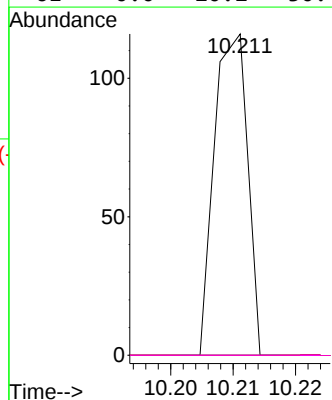
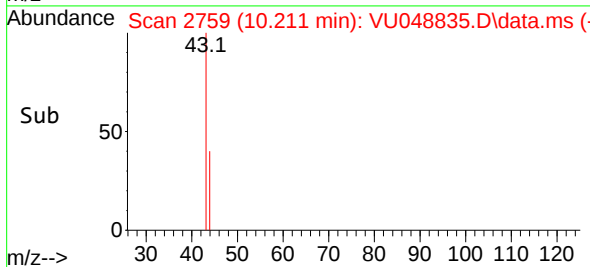
Tgt Ion:152 Resp: 214712
Ion Ratio Lower Upper
152 100
115 60.7 41.8 125.4
150 155.6 0.0 341.0

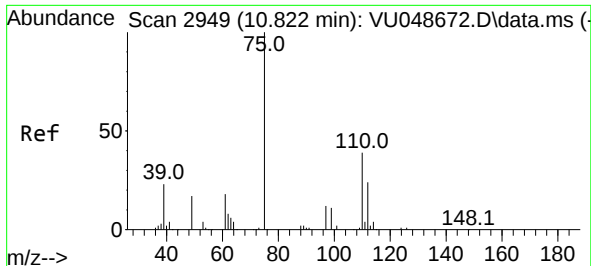


#74
N-ethyl acetate
Concen: 2.473 ug/l
RT: 10.211 min Scan# 2759
Delta R.T. -0.109 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25



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

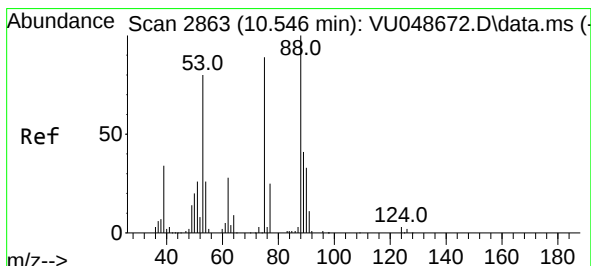
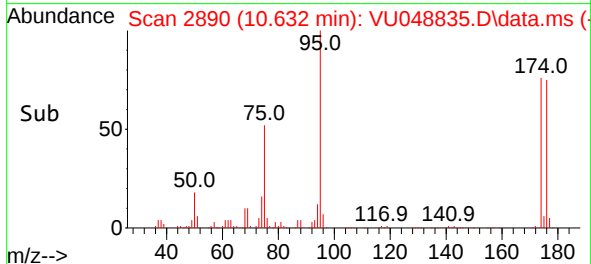
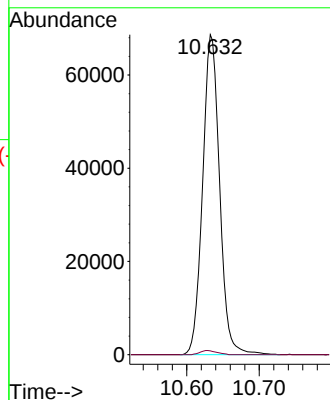
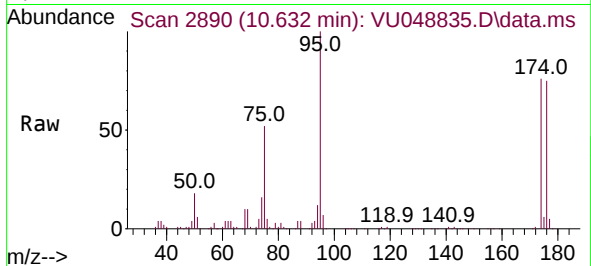




#76
1,2,3-Trichloropropane
Concen: 16.147 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

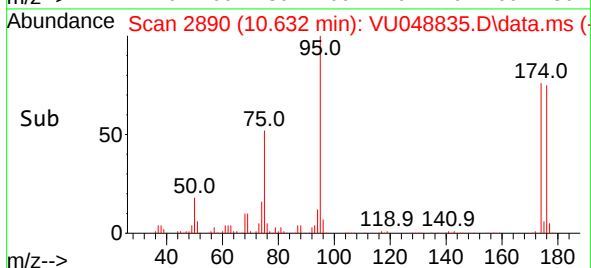
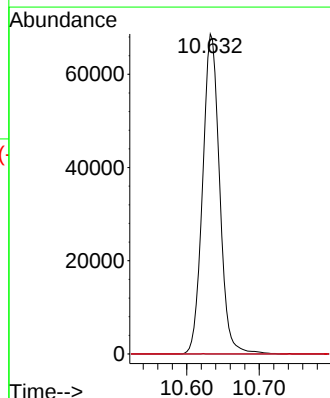
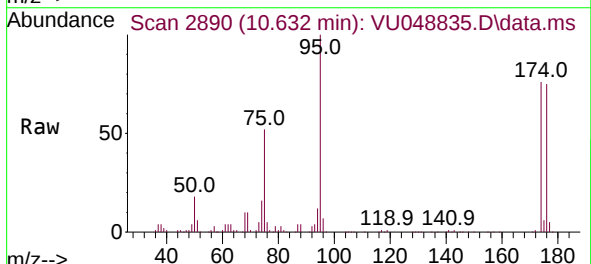
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527

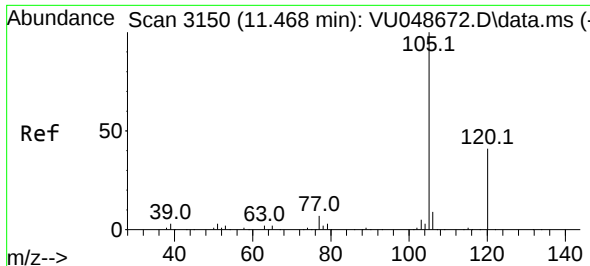
Tgt Ion: 75 Resp: 111782
Ion Ratio Lower Upper
75 100
77 1.3 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.627 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 75 Resp: 111782
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

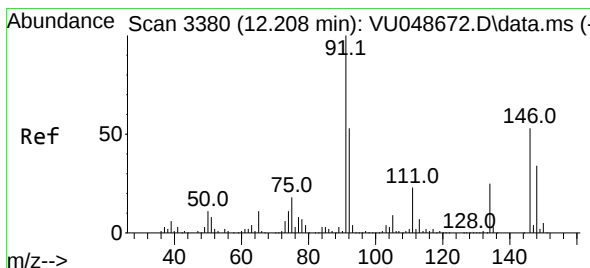
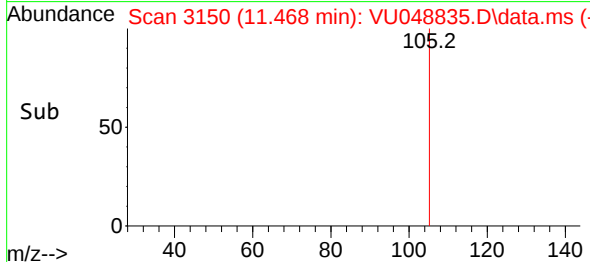
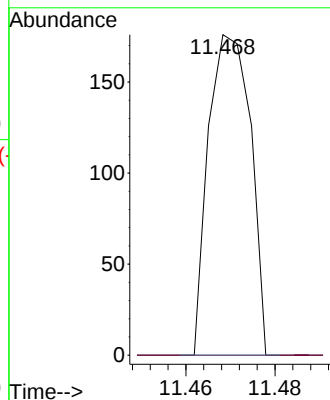
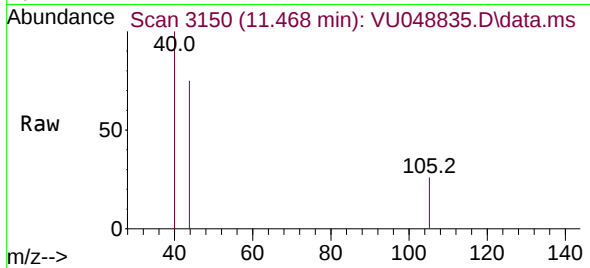




#84
1,2,4-Trimethylbenzene
Concen: 1.196 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

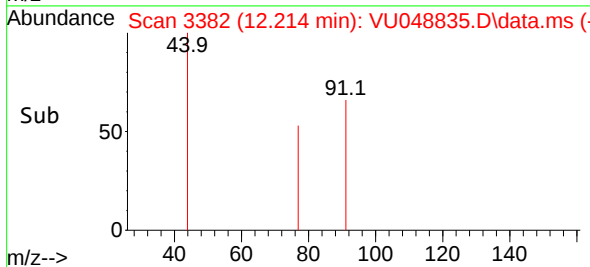
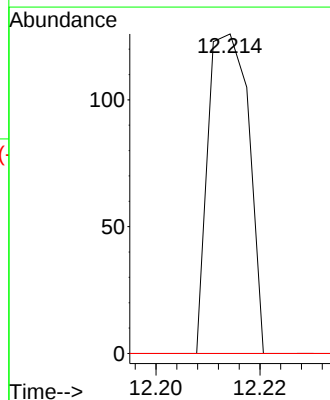
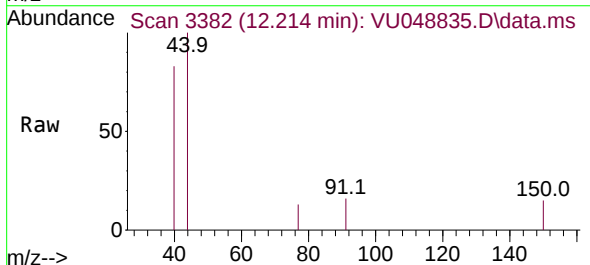
Instrument :
MSVOA_U
ClientSampleId :
MH-121.5T-20220527

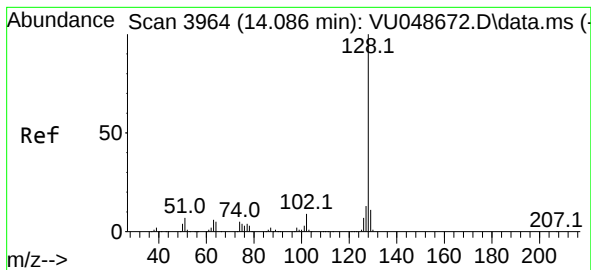
Tgt Ion:105 Resp: 116
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.191 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048835.D
Acq: 03 Jun 2022 04:25

Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.860 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048835.D

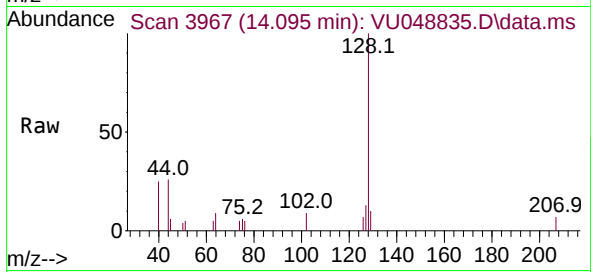
Acq: 03 Jun 2022 04:25

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:128 Resp: 5827

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.4

129 8.4 8.7 13.1#

