

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048858.D
 Acq On : 03 Jun 2022 15:29
 Operator : SY/MD
 Sample : N3112-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-118.5T-20220527

Quant Time: Jun 04 04:37:49 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)

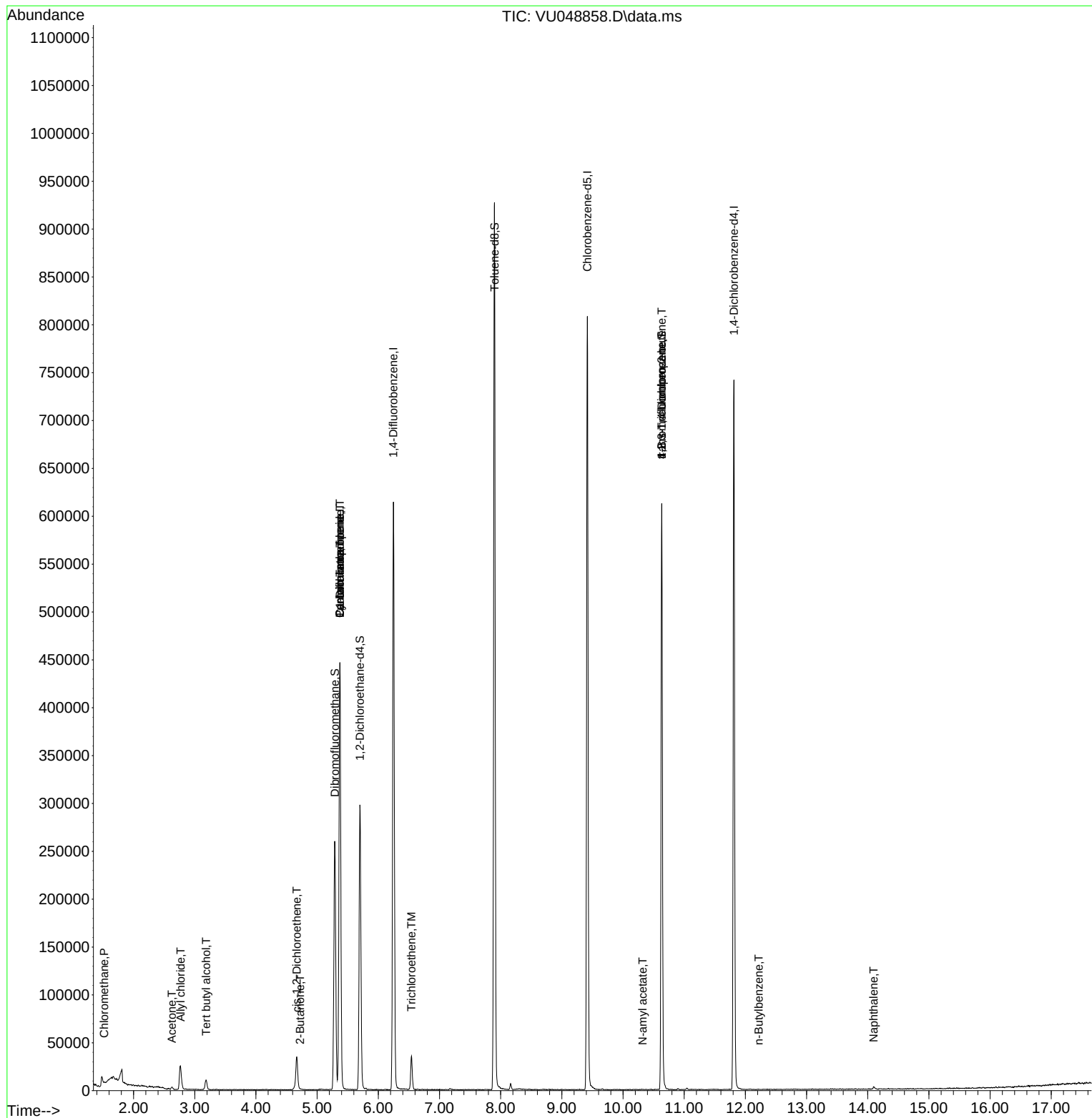
Internal Standards						
1) Pentafluorobenzene	5.372	168	294799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	487764	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	446092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	197051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	224265	50.655	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.300%
35) Dibromofluoromethane	5.289	113	169882	48.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.640%
50) Toluene-d8	7.899	98	613934	49.218	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.440%
62) 4-Bromofluorobenzene	10.632	95	204554	43.361	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.720%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1095	0.252	ug/l	97
5) Bromomethane	1.835	94	234	Below Cal	#	61
6) Chloroethane	1.961	64	237	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	6556	5.841	ug/l #	28
14) Allyl chloride	2.768	41	2947	0.507	ug/l #	56
16) Acetone	2.626	43	3338	1.479	ug/l	92
25) 2-Butanone	4.723	43	1223	0.377	ug/l #	85
27) cis-1,2-Dichloroethene	4.668	96	17483	4.401	ug/l	89
31) Cyclohexane	5.372	56	6074	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24917	4.906	ug/l #	49
38) Carbon Tetrachloride	5.372	117	31361	5.382	ug/l #	16
44) Trichloroethene	6.542	130	11274	2.919	ug/l	91
74) N-amyl acetate	10.320	43	44	2.473	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	106885	16.823	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	106885	61.083	ug/l #	13
89) n-Butylbenzene	12.221	91	195	2.202	ug/l #	34
95) Naphthalene	14.098	128	3219	2.730	ug/l #	91

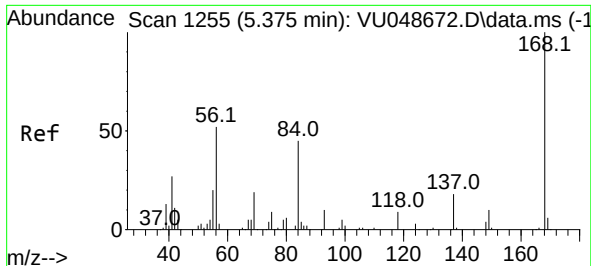
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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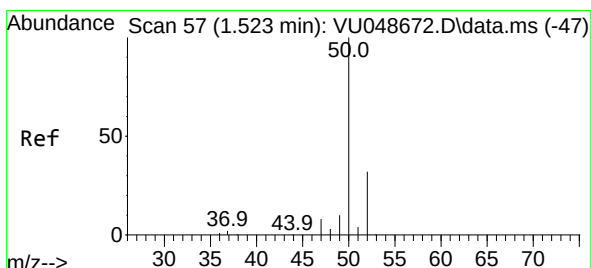
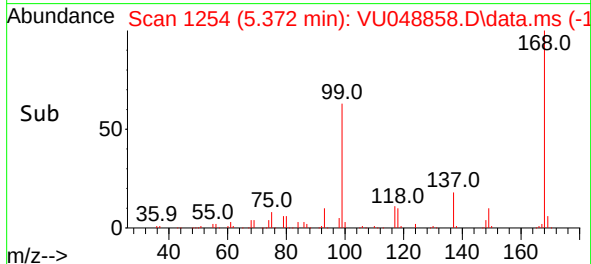
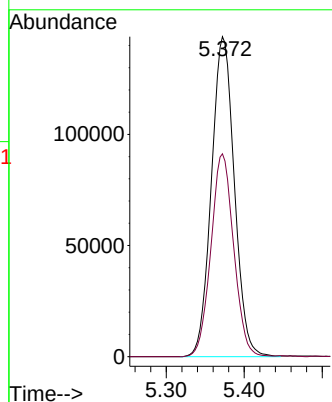
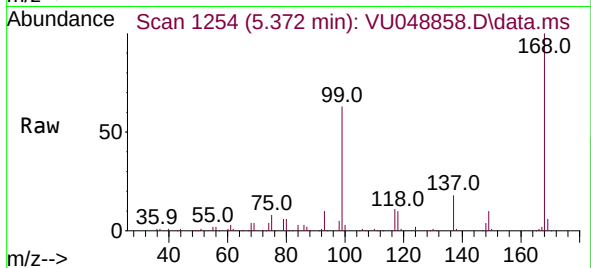




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

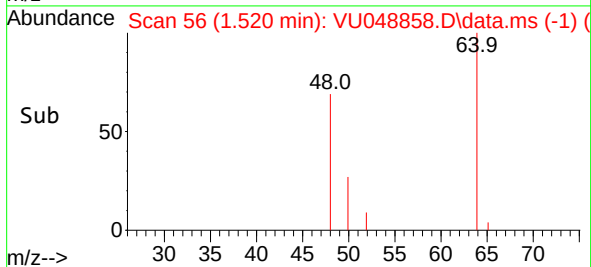
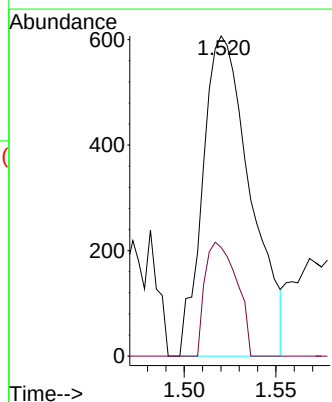
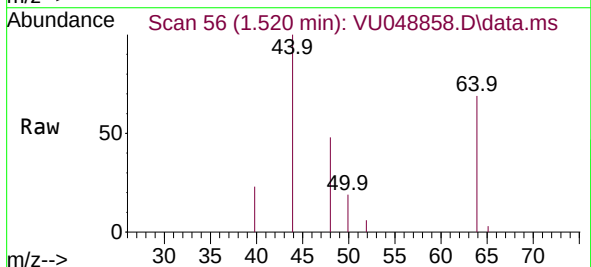
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

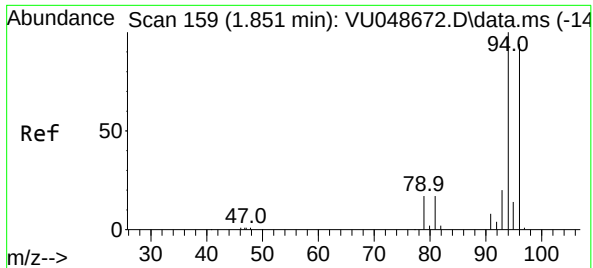
Tgt Ion:168 Resp: 294799
Ion Ratio Lower Upper
168 100
99 63.4 49.3 73.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion: 50 Resp: 1095
Ion Ratio Lower Upper
50 100
52 33.9 25.7 38.5

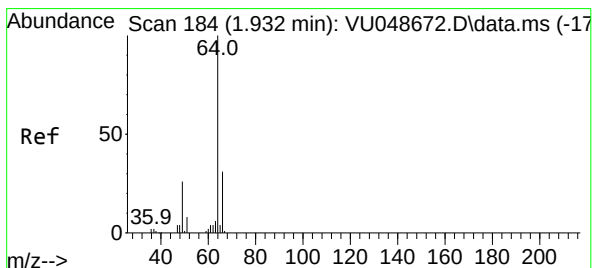
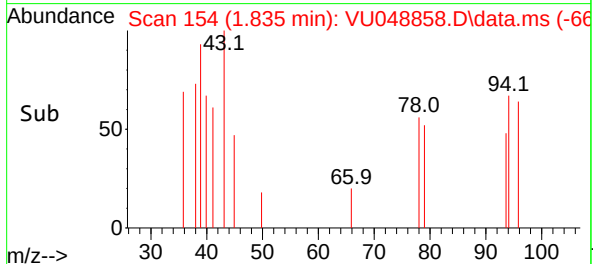
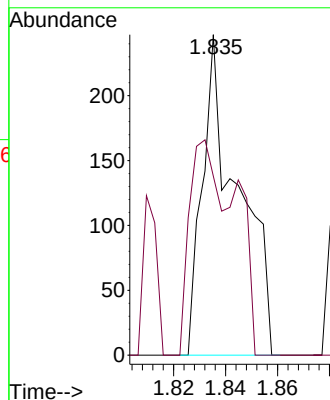
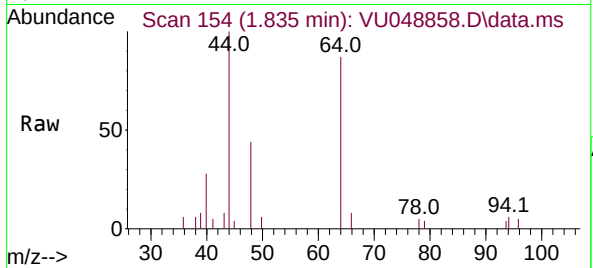




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

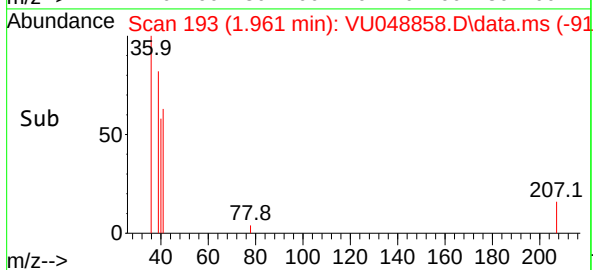
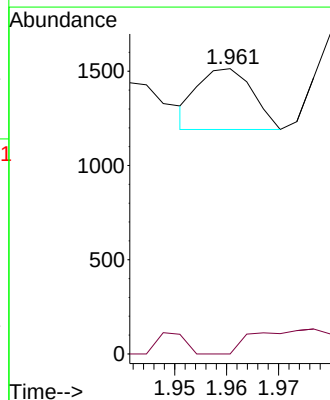
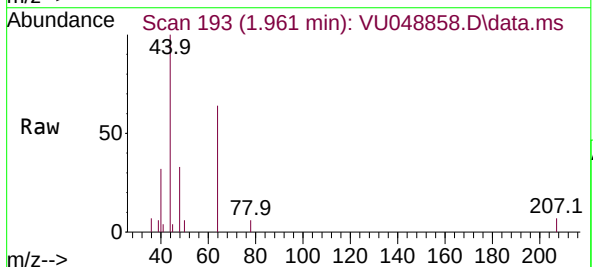
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

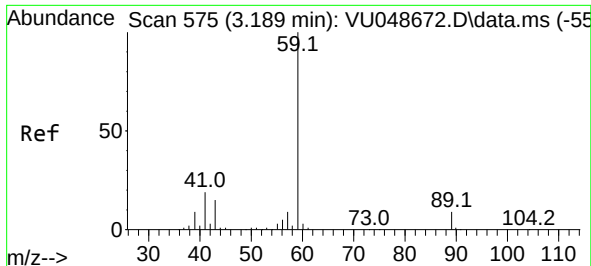
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 55.9 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.961 min Scan# 193
Delta R.T. 0.029 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

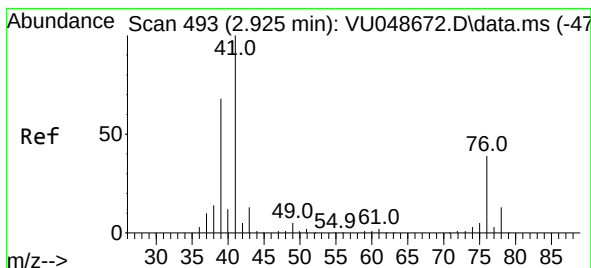
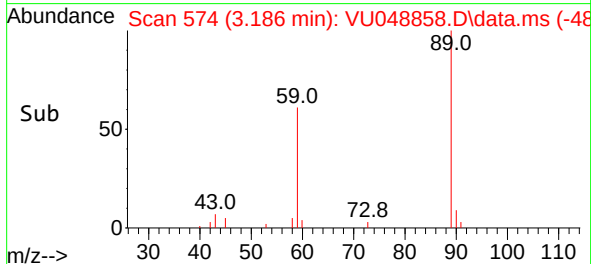
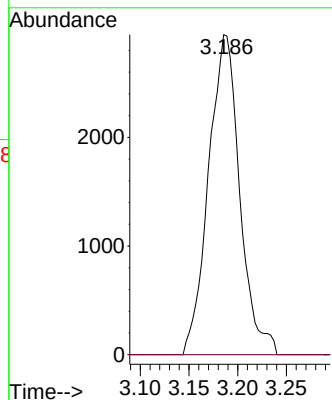
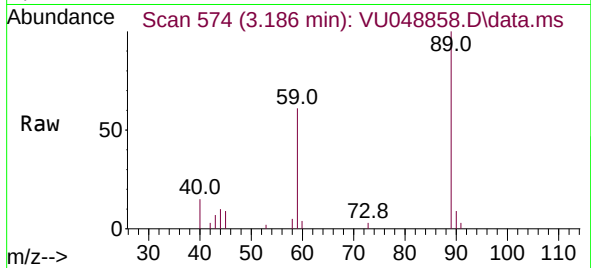




#11
Tert butyl alcohol
Concen: 5.841 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

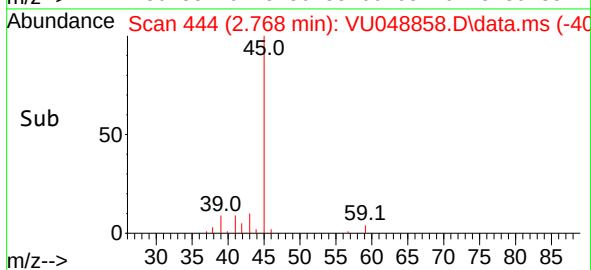
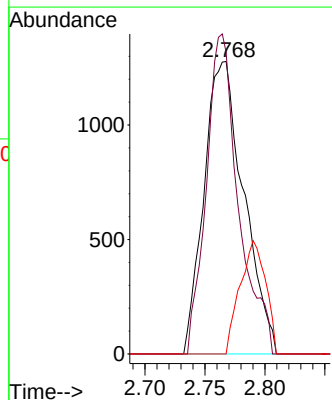
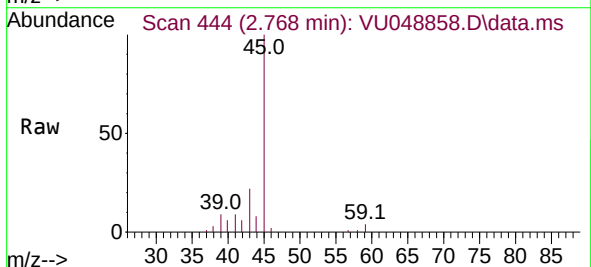
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

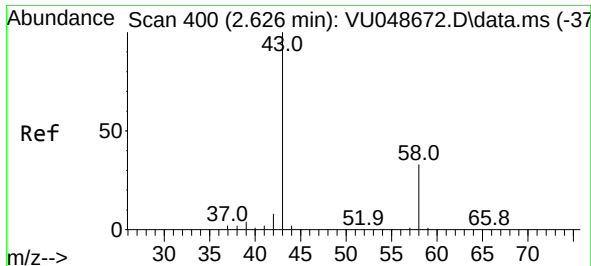
Tgt Ion: 59 Resp: 6556
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#14
Allyl chloride
Concen: 0.507 ug/l
RT: 2.768 min Scan# 444
Delta R.T. -0.158 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion: 41 Resp: 2947
Ion Ratio Lower Upper
41 100
39 88.4 48.6 72.8#
76 0.0 27.0 40.4#





#16

Acetone

Concen: 1.479 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048858.D

Acq: 03 Jun 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

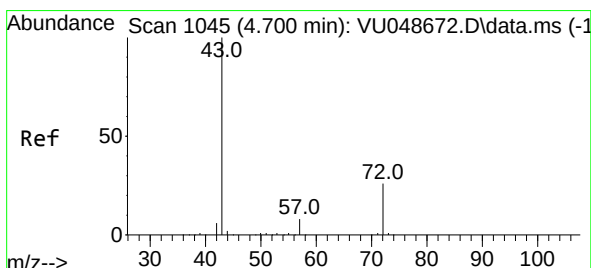
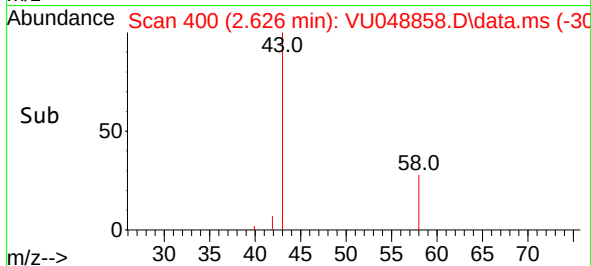
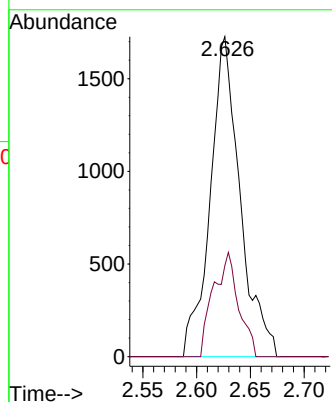
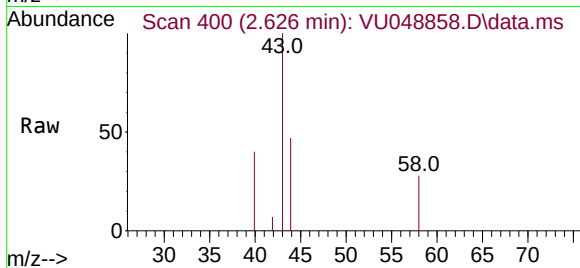
MH-118.5T-20220527

Tgt Ion: 43 Resp: 3338

Ion Ratio Lower Upper

43 100

58 28.4 26.3 39.5



#25

2-Butanone

Concen: 0.377 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.023 min

Lab File: VU048858.D

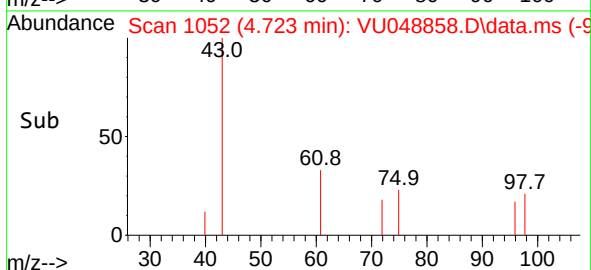
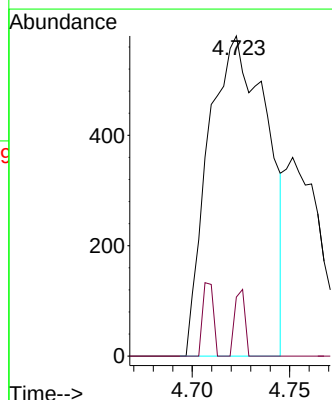
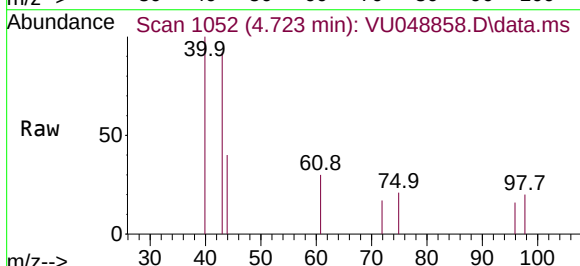
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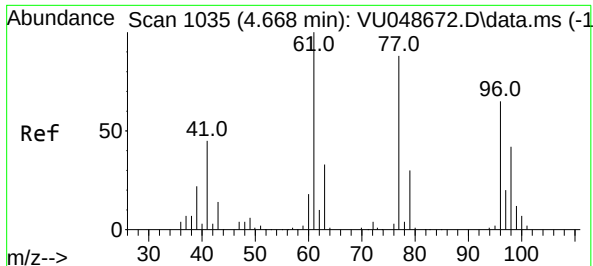
Tgt Ion: 43 Resp: 1223

Ion Ratio Lower Upper

43 100

72 18.4 21.1 31.7#

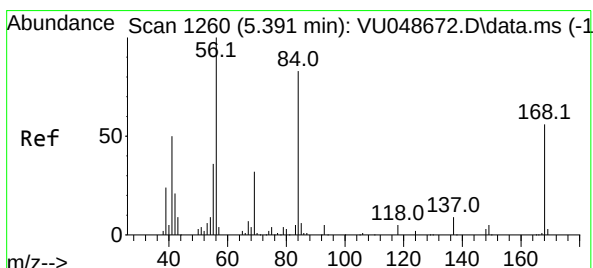
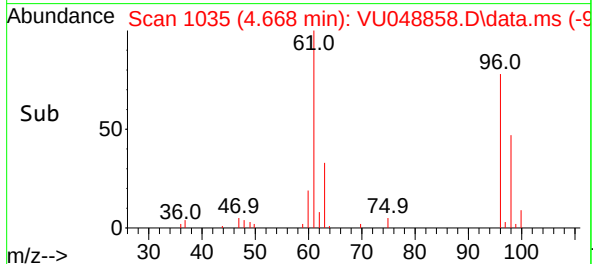
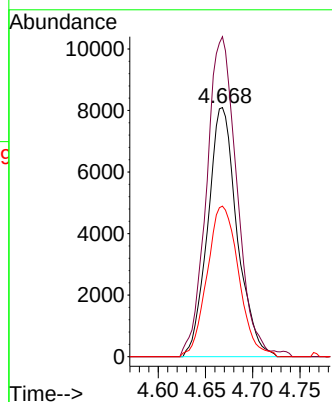
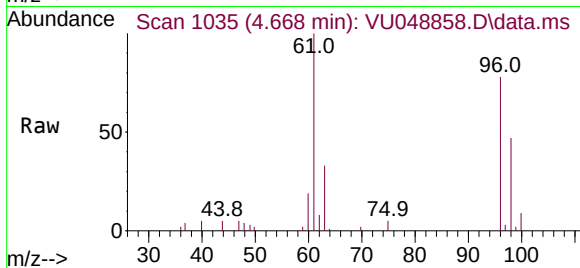




#27
 cis-1,2-Dichloroethene
 Concen: 4.401 ug/l
 RT: 4.668 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU048858.D
 Acq: 03 Jun 2022 15:29

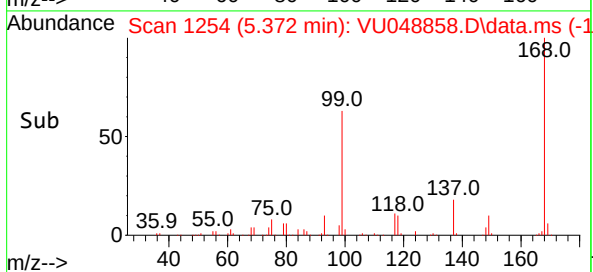
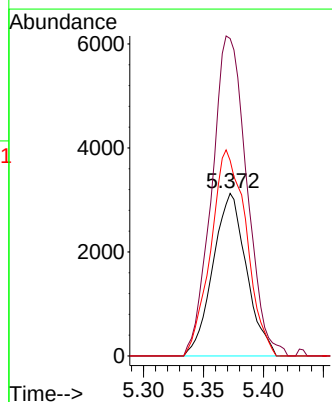
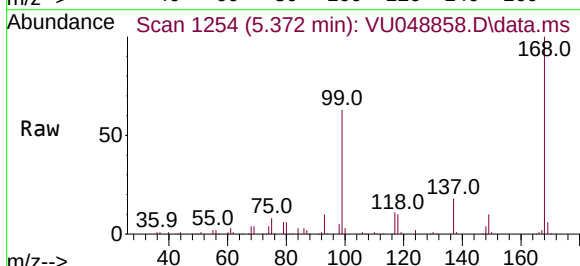
Instrument :
 MSVOA_U
 ClientSampleId :
 MH-118.5T-20220527

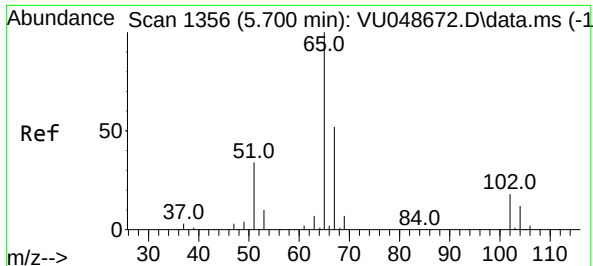
Tgt Ion:	96	Resp:	17483
Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	306.2
98	65.1	0.0	130.4



#31
 Cyclohexane
 Concen: 1.089 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.019 min
 Lab File: VU048858.D
 Acq: 03 Jun 2022 15:29

Tgt Ion:	56	Resp:	6074
Ion	Ratio	Lower	Upper
56	100		
69	195.3	25.6	38.4#
84	120.2	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.655 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048858.D

Acq: 03 Jun 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

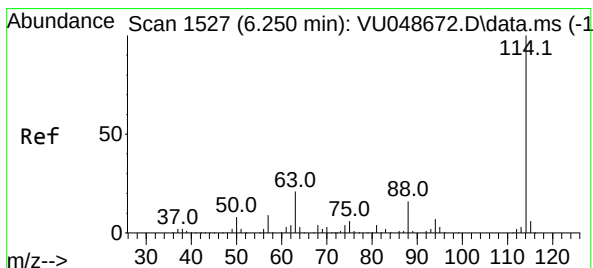
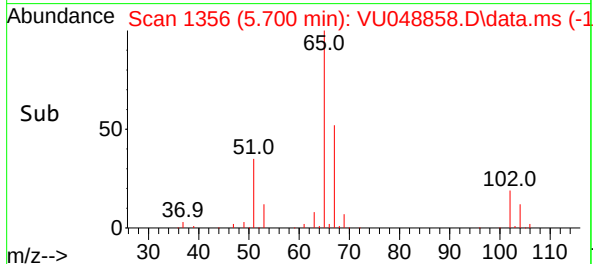
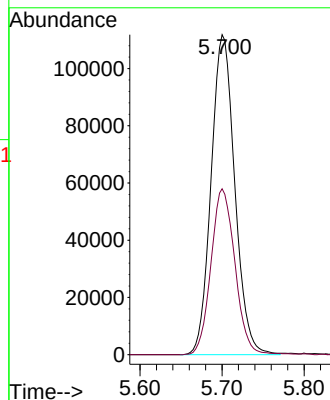
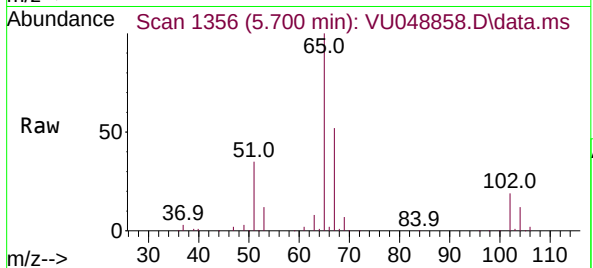
MH-118.5T-20220527

Tgt Ion: 65 Resp: 224265

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048858.D

Acq: 03 Jun 2022 15:29

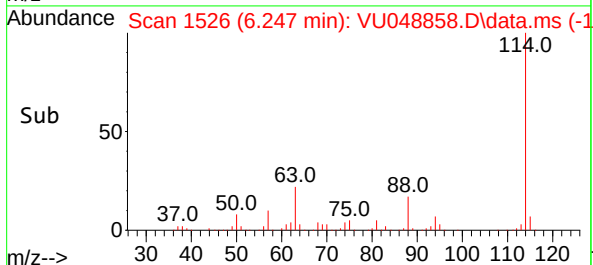
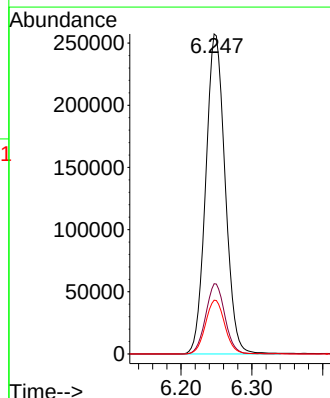
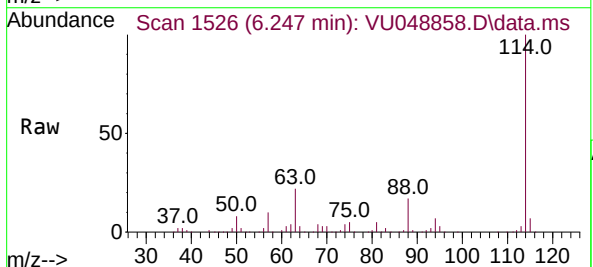
Tgt Ion: 114 Resp: 487764

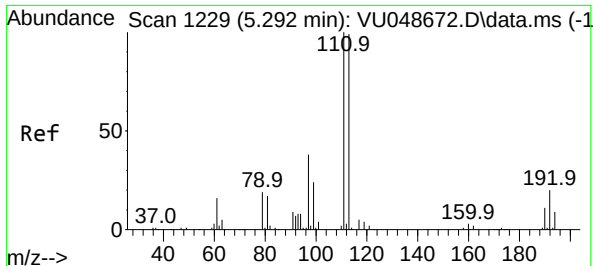
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

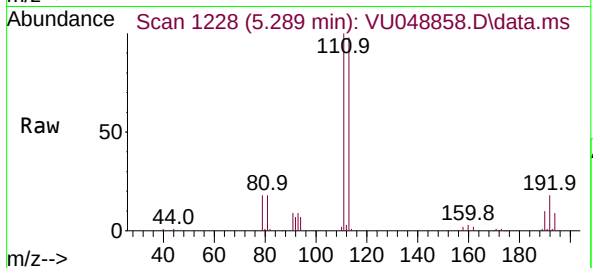
88 16.8 0.0 32.2



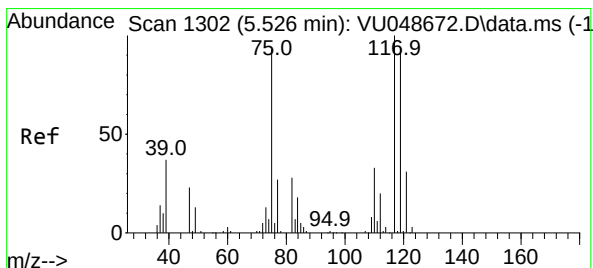
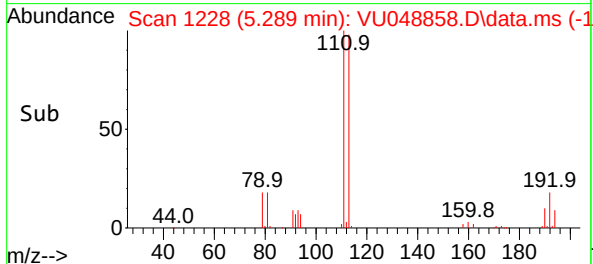
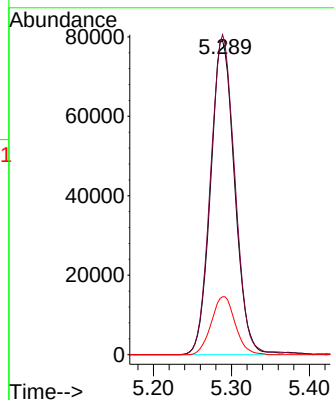


#35
Dibromofluoromethane
Concen: 48.819 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

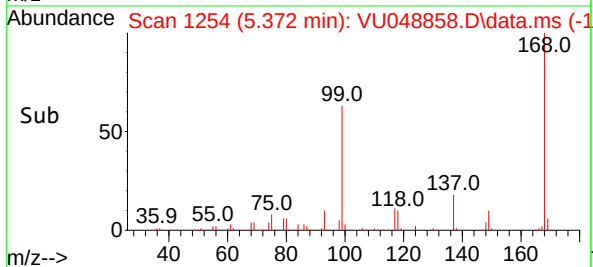
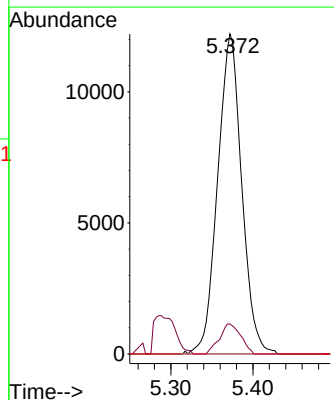
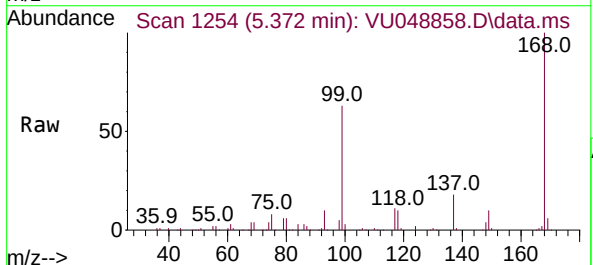


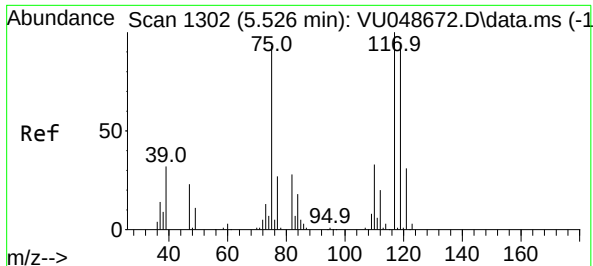
Tgt Ion:113 Resp: 169882
Ion Ratio Lower Upper
113 100
111 102.7 80.7 121.1
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

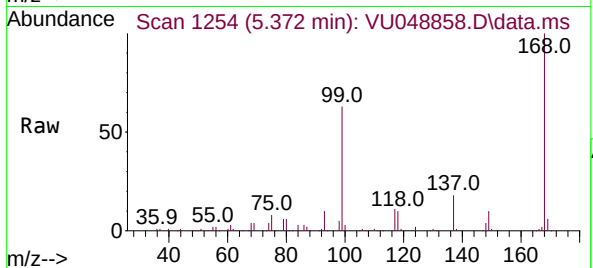
Tgt Ion: 75 Resp: 24917
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.3#
77 0.0 24.8 37.2#



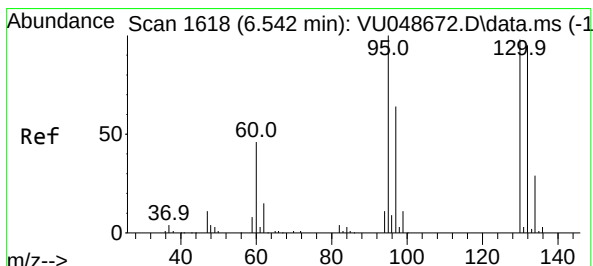
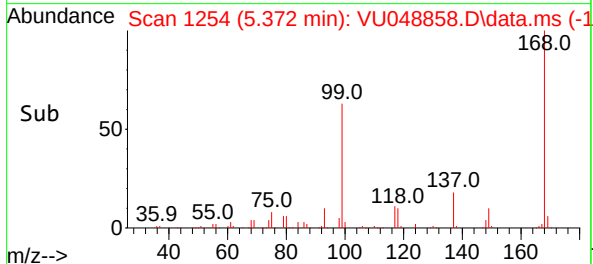
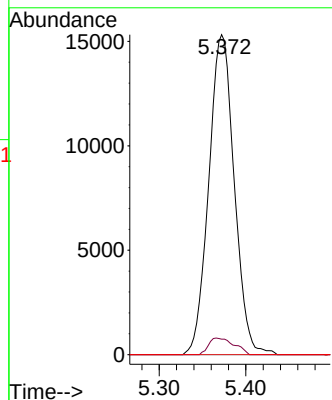


#38
Carbon Tetrachloride
Concen: 5.382 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Instrument :
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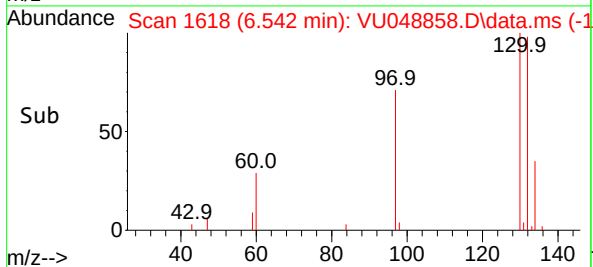
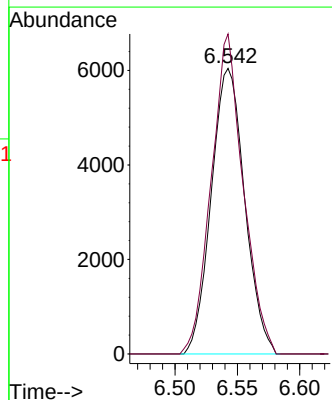
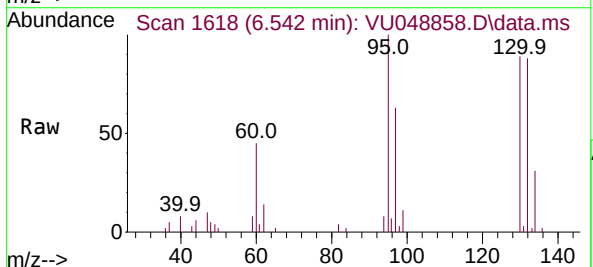


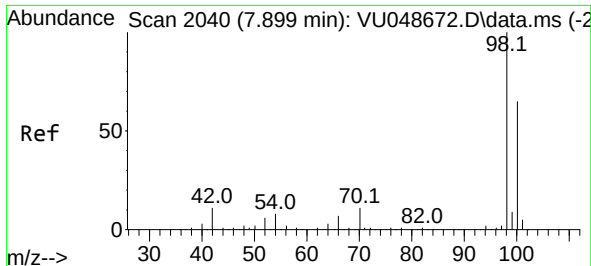
Tgt Ion:117 Resp: 31361
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 2.919 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion:130 Resp: 11274
Ion Ratio Lower Upper
130 100
95 112.0 0.0 204.8

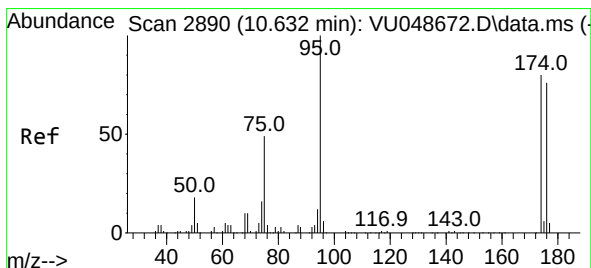
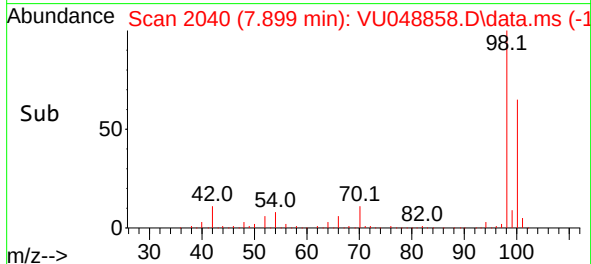
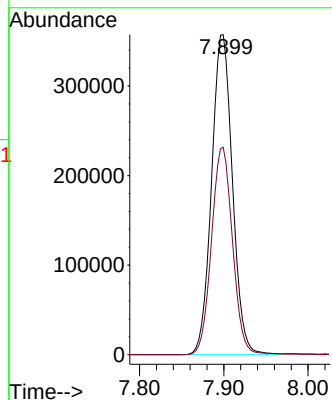
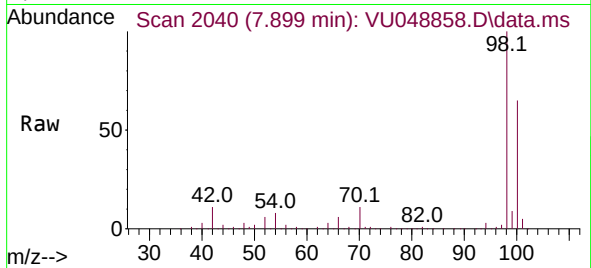




#50
Toluene-d8
Concen: 49.218 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

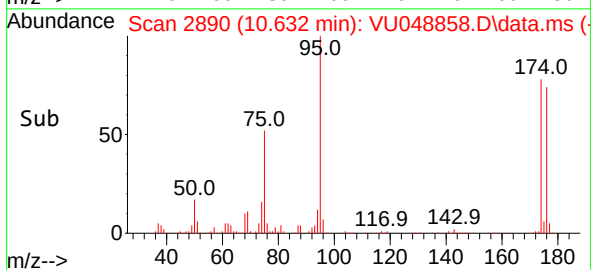
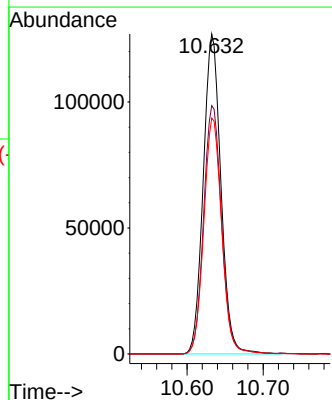
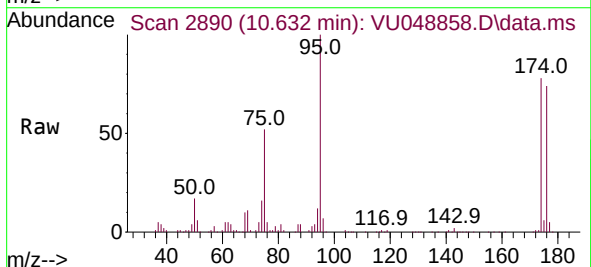
Instrument :
MSVOA_U
ClientSampleId :
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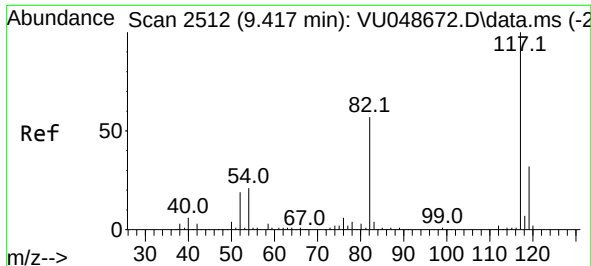
Tgt Ion: 98 Resp: 613934
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 43.361 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion: 95 Resp: 204554
Ion Ratio Lower Upper
95 100
174 79.2 0.0 159.4
176 74.8 0.0 152.4

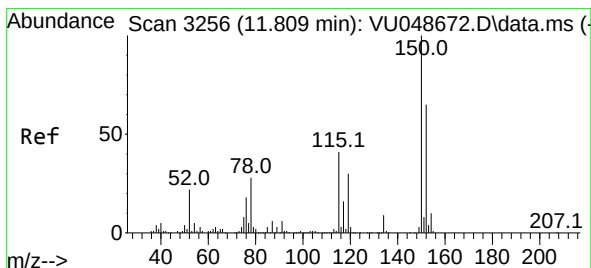
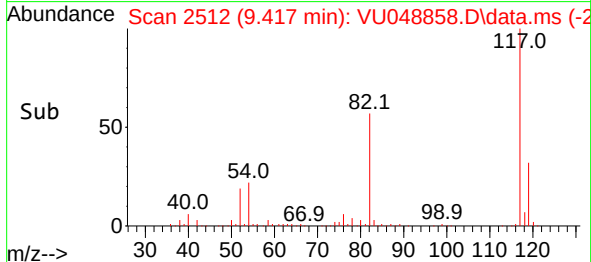
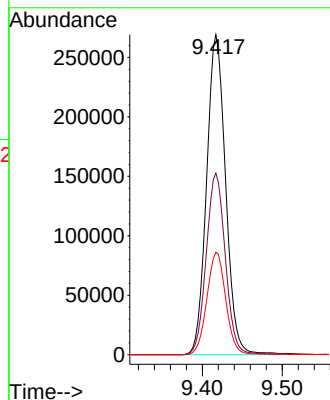
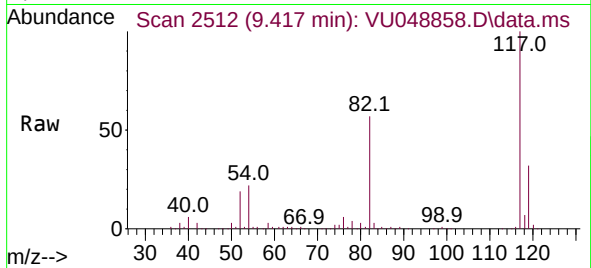




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

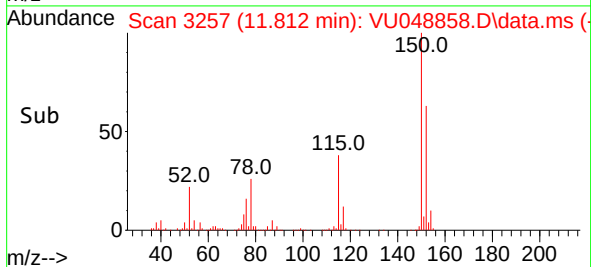
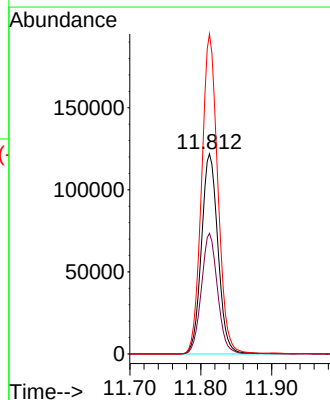
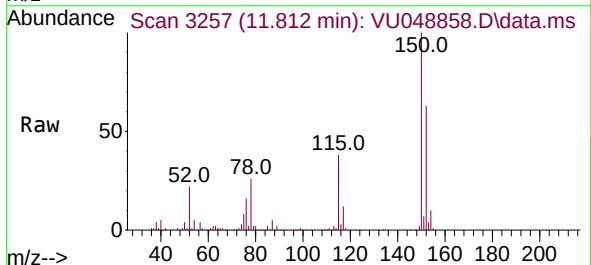
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

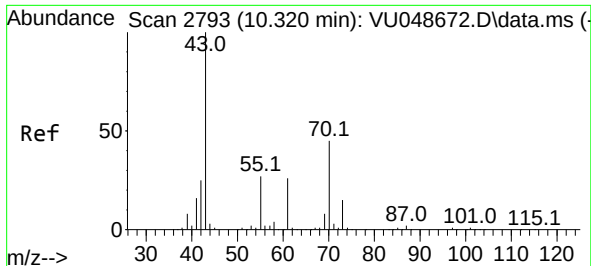
Tgt Ion:117 Resp: 446092
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion:152 Resp: 197051
Ion Ratio Lower Upper
152 100
115 59.2 41.8 125.4
150 156.9 0.0 341.0

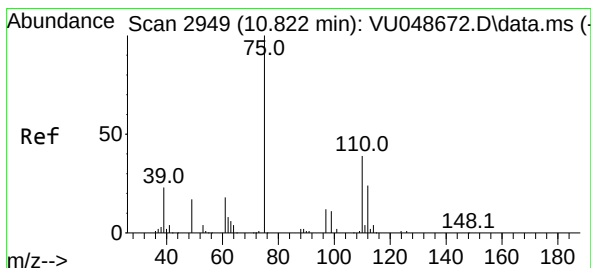
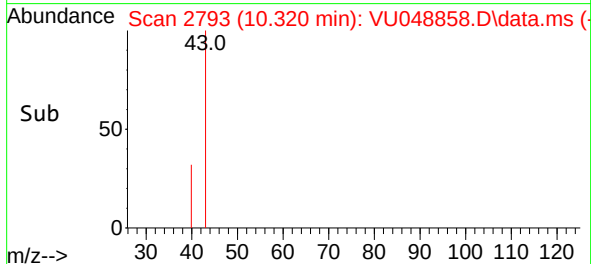
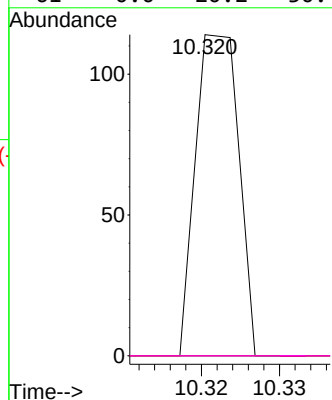
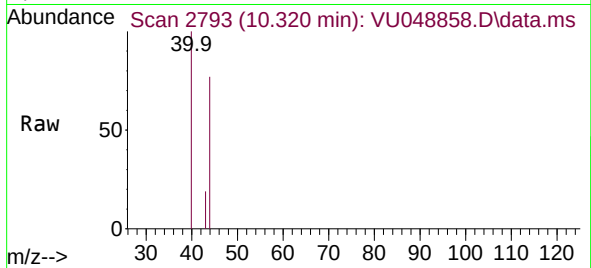




#74
N-amy1 acetate
Concen: 2.473 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

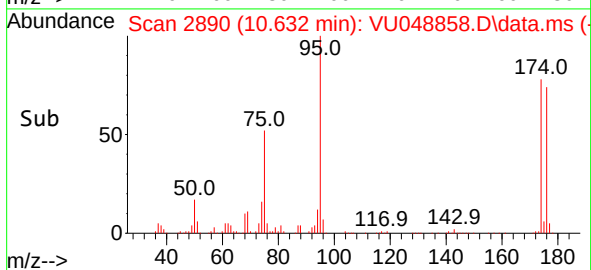
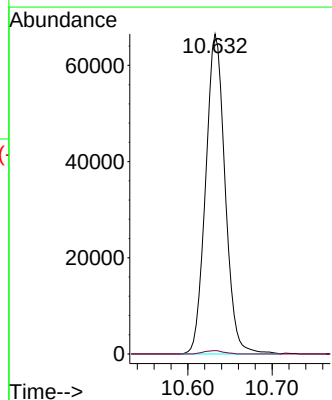
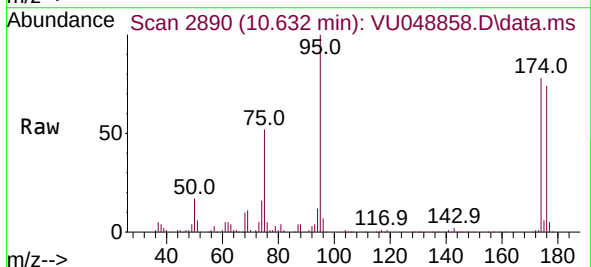
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

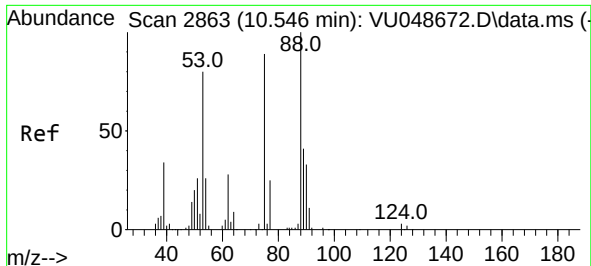
Tgt Ion: 43	Resp:	44
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.823 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion: 75	Resp:	106885
Ion	Ratio	Lower Upper
75	100	
77	1.1	14.8 44.3#

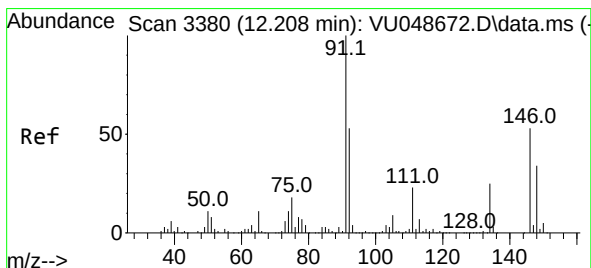
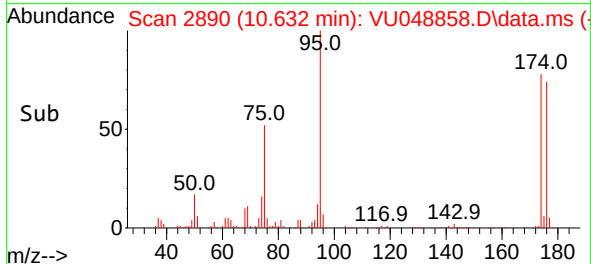
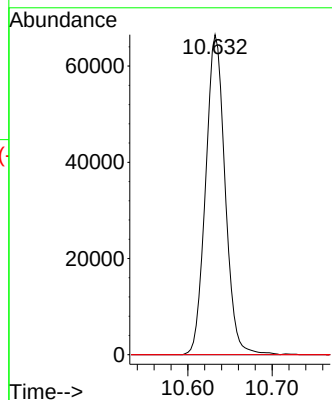
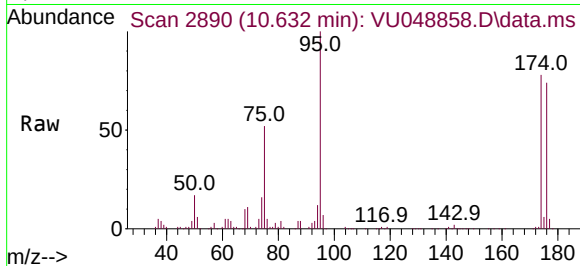




#81
trans-1,4-Dichloro-2-butene
Concen: 61.083 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

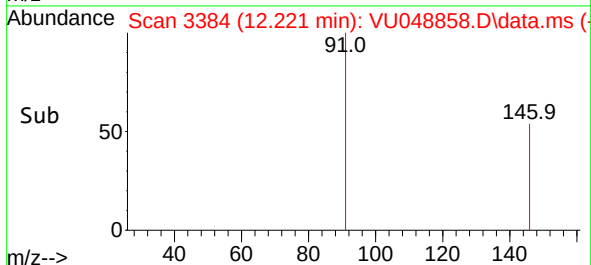
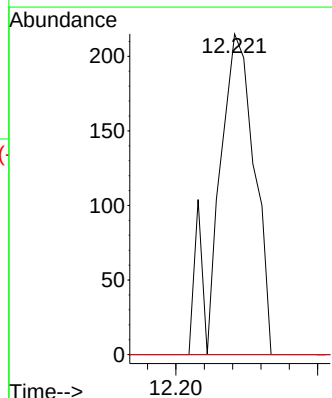
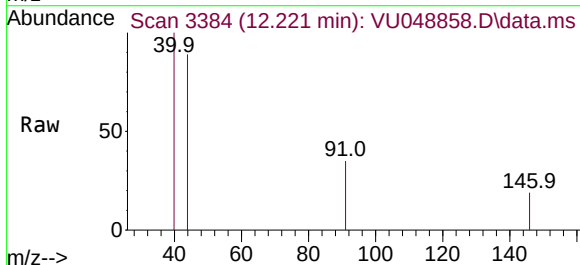
Instrument :
MSVOA_U
ClientSampleId :
MH-118.5T-20220527

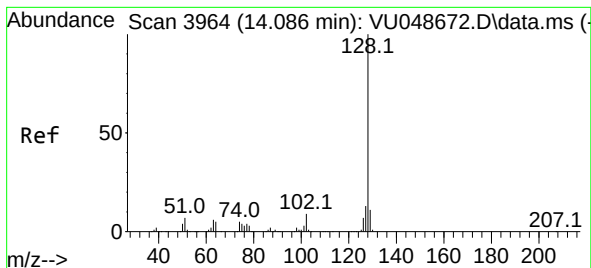
Tgt Ion: 75 Resp: 106885
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#89
n-Butylbenzene
Concen: 2.202 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.013 min
Lab File: VU048858.D
Acq: 03 Jun 2022 15:29

Tgt Ion: 91 Resp: 195
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.730 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.012 min

Lab File: VU048858.D

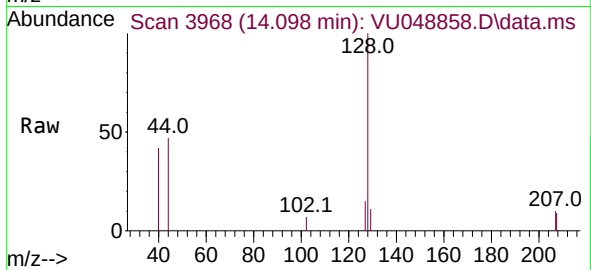
Acq: 03 Jun 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	128	Resp:	3219
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	3.9	8.7	13.1#

