

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048739.D
 Acq On : 31 May 2022 14:45
 Operator : SY/MD
 Sample : N3056-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-13D

Quant Time: Jun 01 02:17:01 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

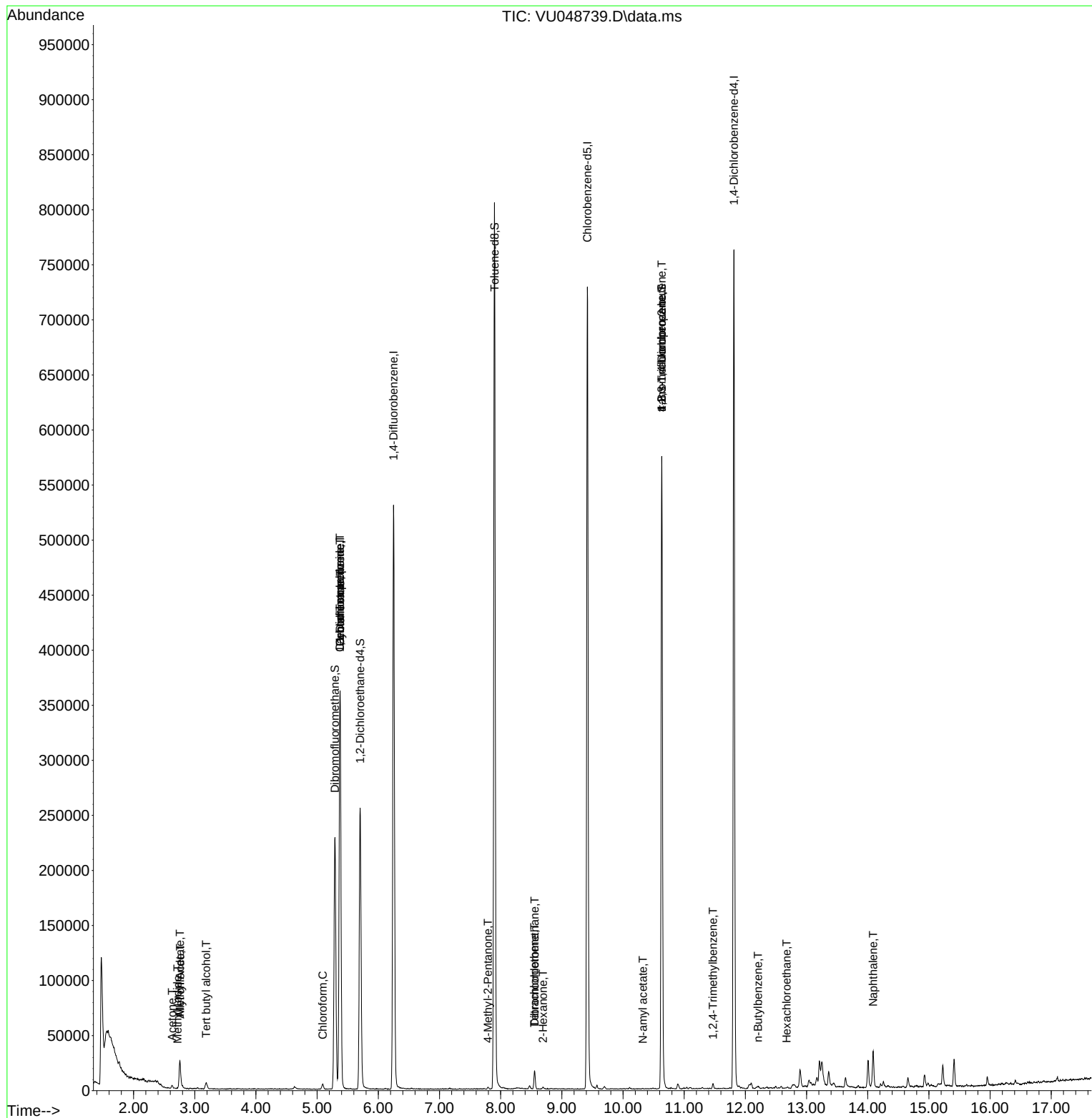
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	252374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	429743	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	402307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	197071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	199953	52.756	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.520%
35) Dibromofluoromethane	5.292	113	149594	48.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.580%
50) Toluene-d8	7.899	98	531613	48.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.740%
62) 4-Bromofluorobenzene	10.632	95	196126	47.187	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.380%
Target Compounds						Qvalue
5) Bromomethane	1.861	94	177	Below Cal		88
6) Chloroethane	2.118	64	655	Below Cal	#	50
10) Methyl Iodide	2.716	142	230	3.059	ug/l #	75
11) Tert butyl alcohol	3.189	59	3539	3.683	ug/l #	28
13) Acrolein	2.456	56	42	Below Cal	#	1
14) Allyl chloride	2.761	41	2936	0.590	ug/l #	69
16) Acetone	2.629	43	3520	1.822	ug/l	95
18) Methyl Acetate	2.758	43	7369	1.519	ug/l #	51
30) Chloroform	5.092	83	3858	0.669	ug/l	95
31) Cyclohexane	5.375	56	4905	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20817	4.652	ug/l #	49
38) Carbon Tetrachloride	5.372	117	25772	5.020	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	1119	0.210	ug/l	93
59) 2-Hexanone	8.694	43	1279	0.292	ug/l	97
60) Dibromochloromethane	8.555	129	3794	0.971	ug/l #	11
64) Tetrachloroethene	8.552	164	3950	0.312	ug/l	87
74) N-amyl acetate	10.324	43	243	2.503	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	100745	15.855	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	100745	57.568	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	3077	1.439	ug/l	89
89) n-Butylbenzene	12.208	91	856	2.257	ug/l #	70
90) Hexachloroethane	12.674	117	855	0.367	ug/l #	10
95) Naphthalene	14.089	128	26526	4.156	ug/l	99

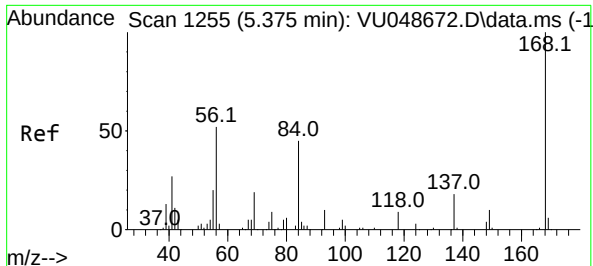
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

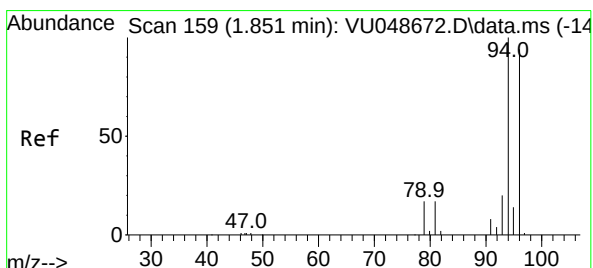
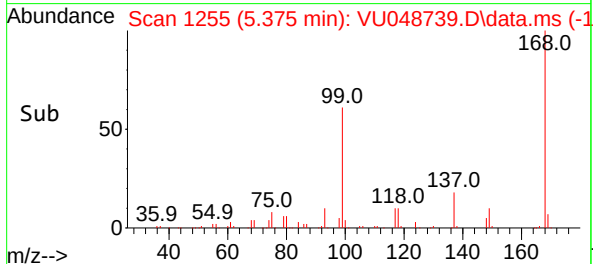
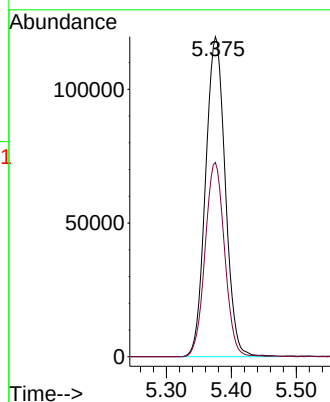
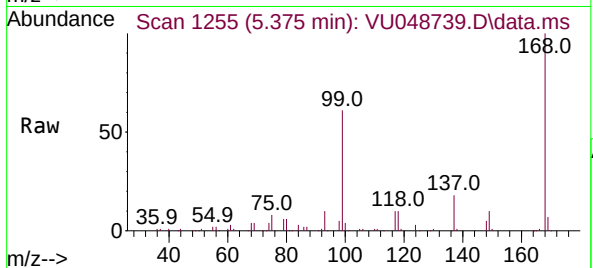




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

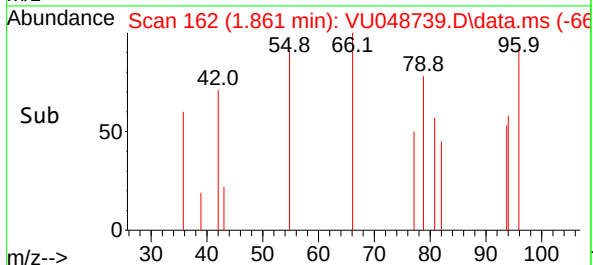
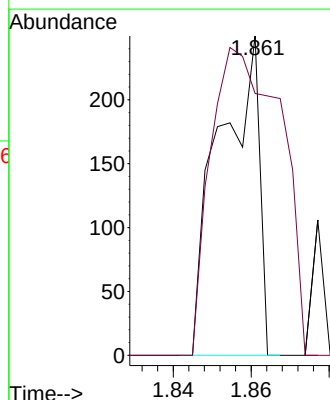
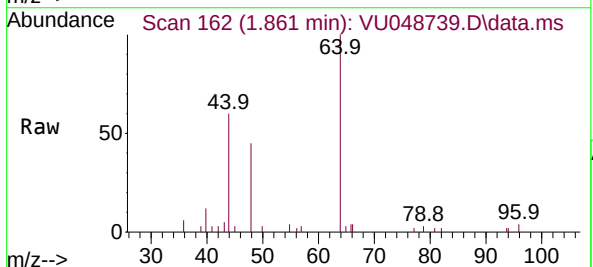
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

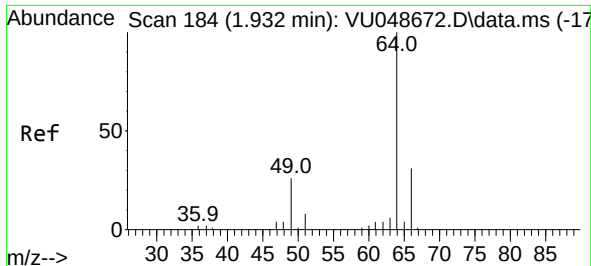
Tgt Ion:168 Resp: 252374
Ion Ratio Lower Upper
168 100
99 60.7 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.861 min Scan# 162
Delta R.T. 0.010 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 82.0 75.1 112.7

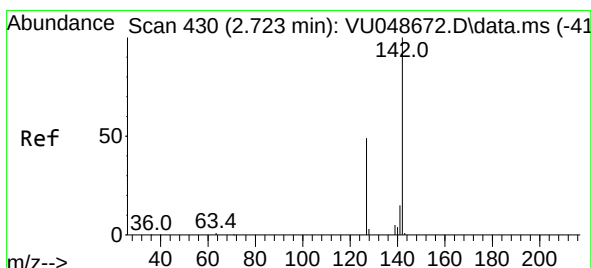
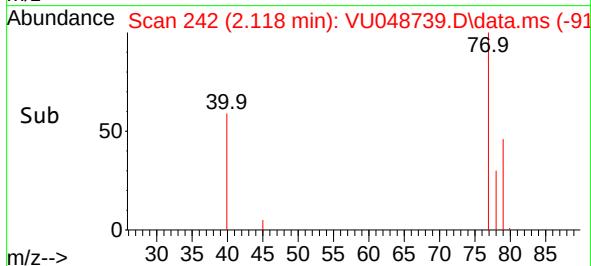
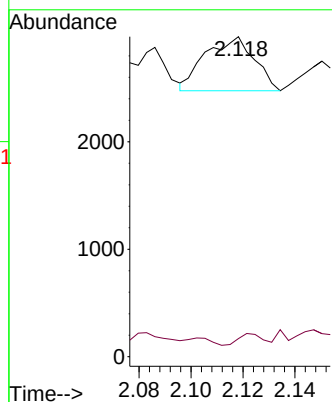
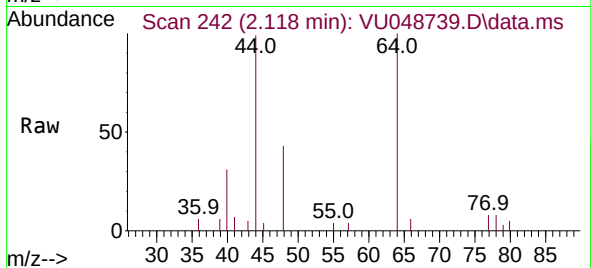




#6
Chloroethane
Concen: Below Cal
RT: 2.118 min Scan# 24
Delta R.T. 0.186 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

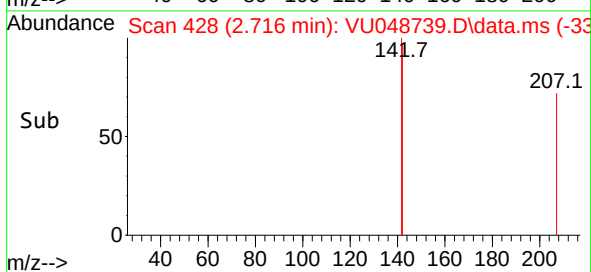
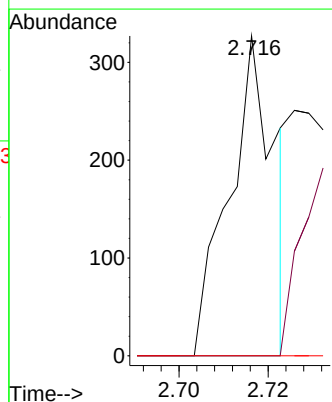
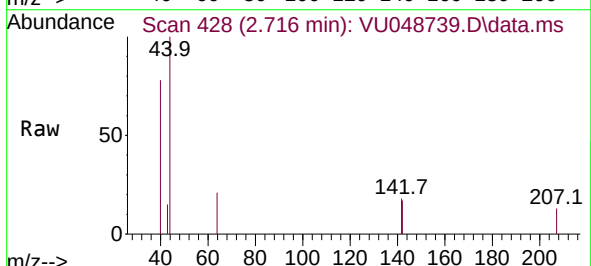
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ClientSampleId :
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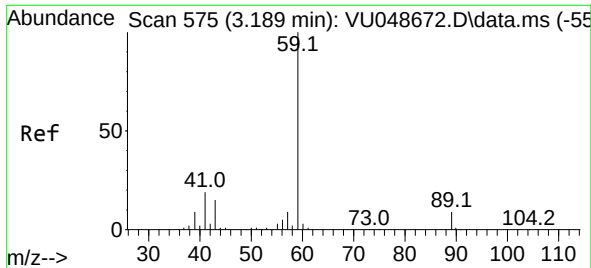
Tgt Ion: 64 Resp: 655
Ion Ratio Lower Upper
64 100
66 3.6 25.2 37.8#



#10
Methyl Iodide
Concen: 3.059 ug/l
RT: 2.716 min Scan# 428
Delta R.T. -0.007 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion:142 Resp: 230
Ion Ratio Lower Upper
142 100
127 63.0 38.4 57.6#
141 0.0 11.5 17.3#

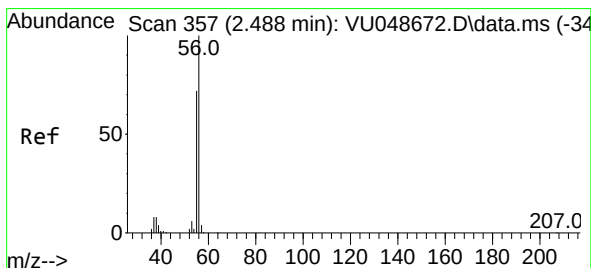
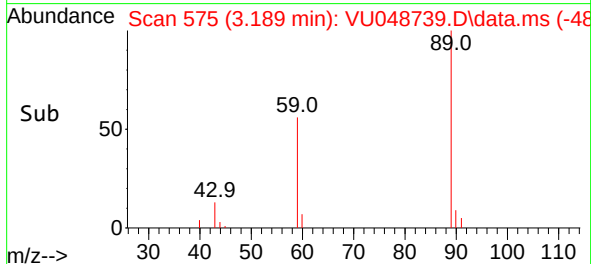
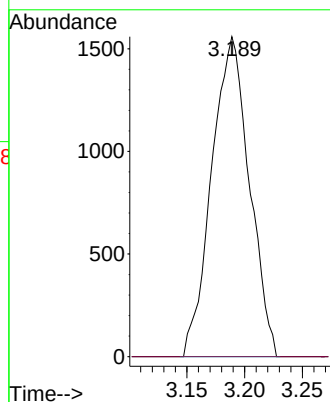
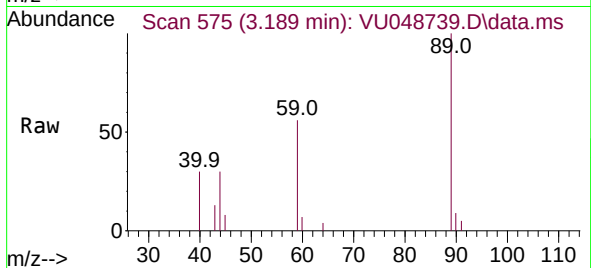




#11
Tert butyl alcohol
Concen: 3.683 ug/l
RT: 3.189 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

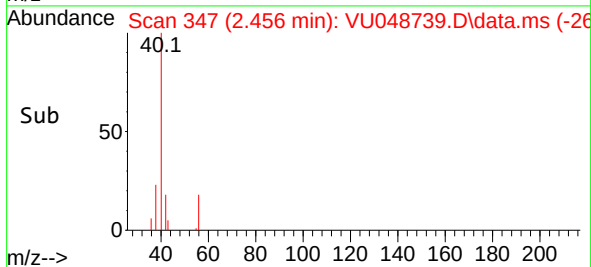
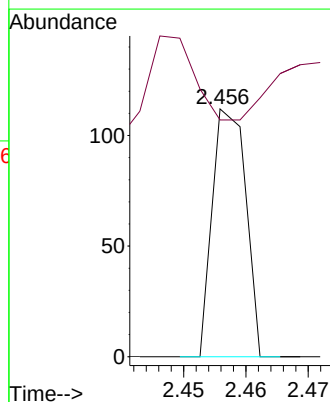
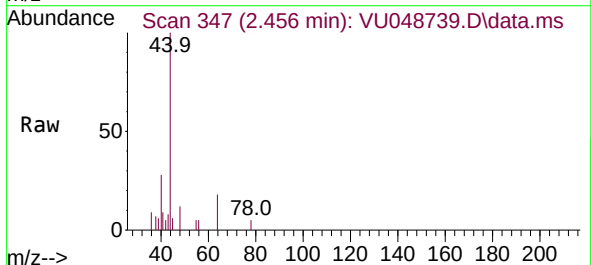
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

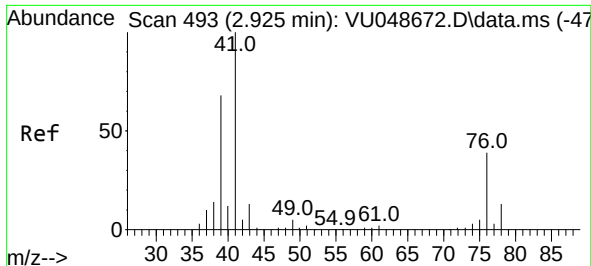
Tgt Ion: 59 Resp: 3539
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.456 min Scan# 347
Delta R.T. -0.032 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 431.0 57.7 86.5#

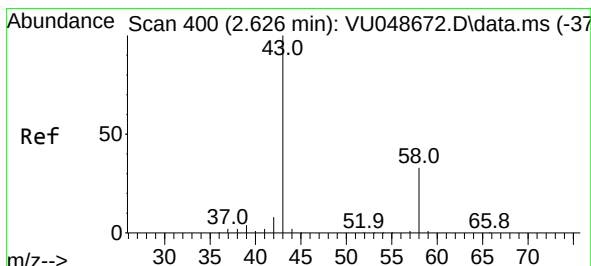
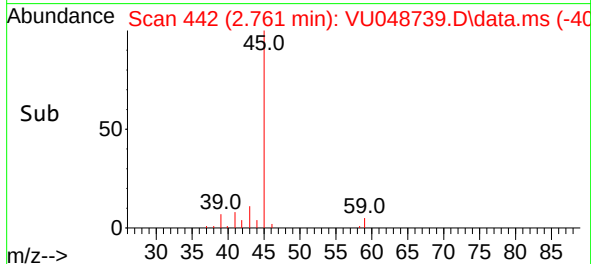
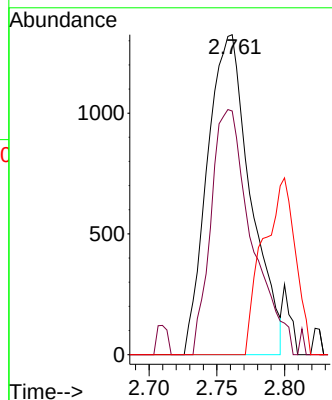
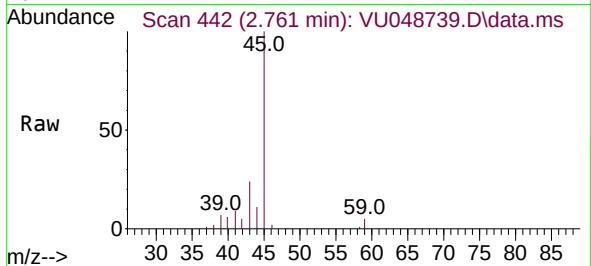




#14
 Allyl chloride
 Concen: 0.590 ug/l
 RT: 2.761 min Scan# 41
 Delta R.T. -0.164 min
 Lab File: VU048739.D
 Acq: 31 May 2022 14:45

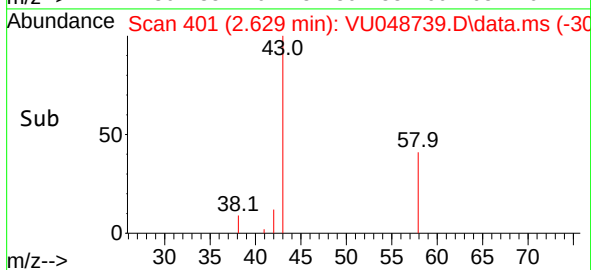
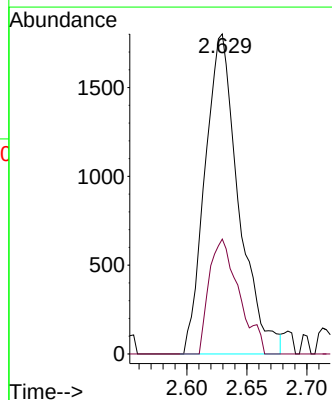
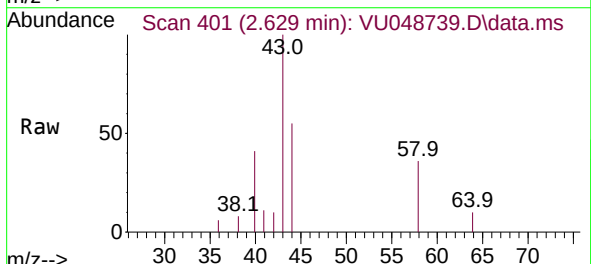
Instrument :
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 ClientSampleId :
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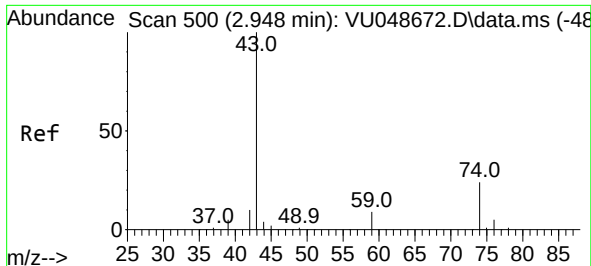
Tgt Ion: 41 Resp: 2936
 Ion Ratio Lower Upper
 41 100
 39 72.1 48.6 72.8
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 1.822 ug/l
 RT: 2.629 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU048739.D
 Acq: 31 May 2022 14:45

Tgt Ion: 43 Resp: 3520
 Ion Ratio Lower Upper
 43 100
 58 35.9 26.3 39.5

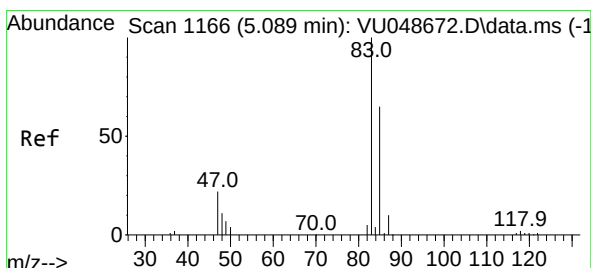
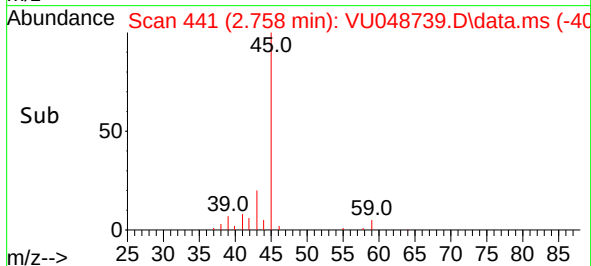
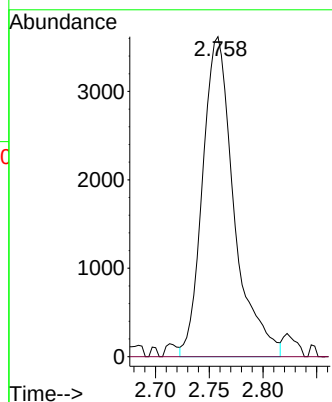
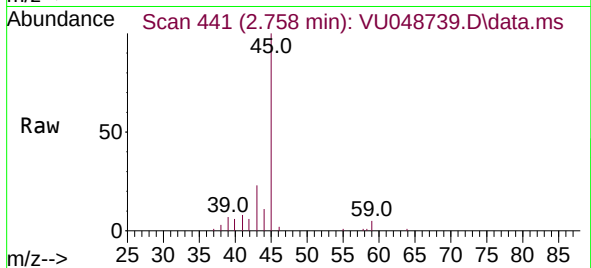




#18
Methyl Acetate
Concen: 1.519 ug/l
RT: 2.758 min Scan# 441
Delta R.T. -0.190 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

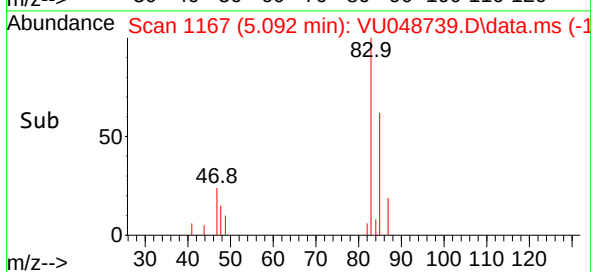
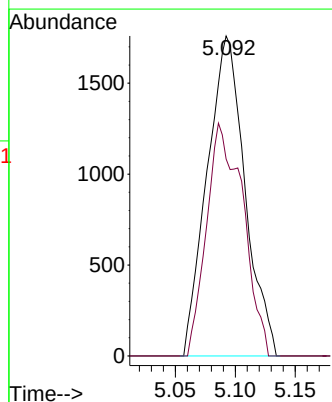
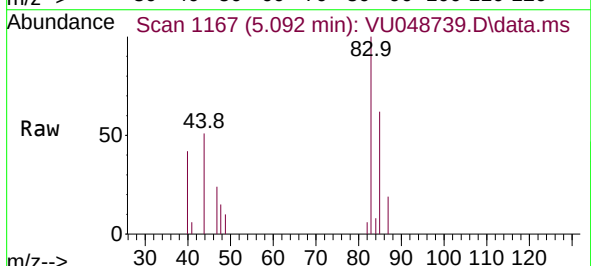
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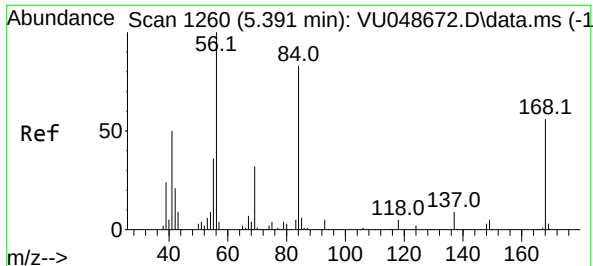
Tgt Ion: 43 Resp: 7369
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#30
Chloroform
Concen: 0.669 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 83 Resp: 3858
Ion Ratio Lower Upper
83 100
85 61.5 52.2 78.2

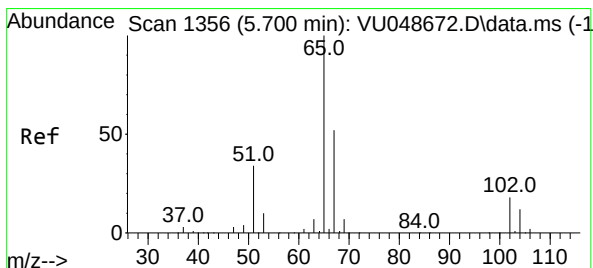
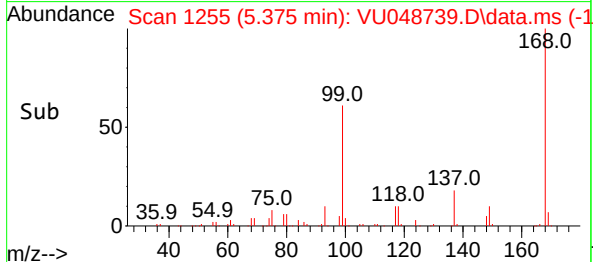
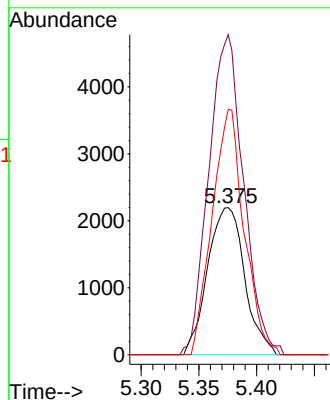
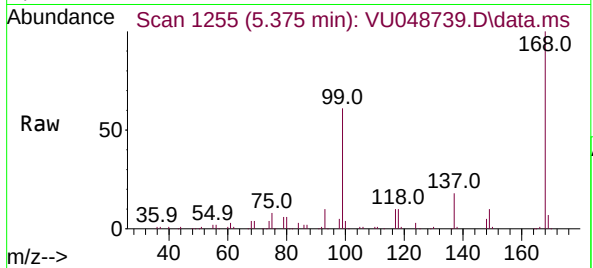




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

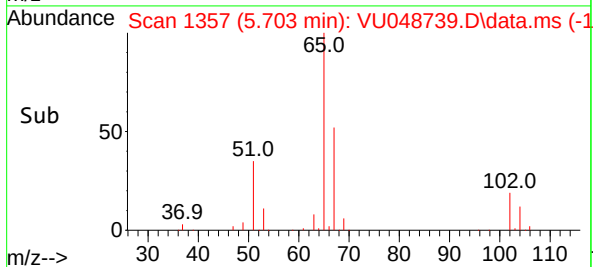
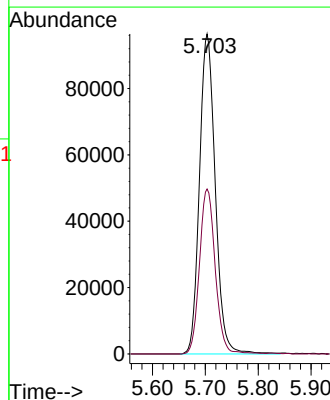
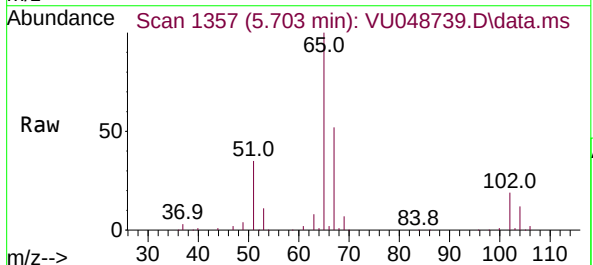
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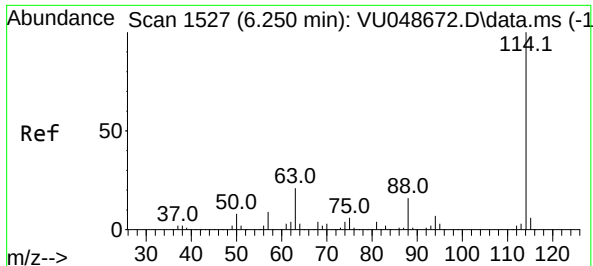
Tgt Ion: 56 Resp: 4905
Ion Ratio Lower Upper
56 100
69 217.6 25.6 38.4#
84 166.7 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 52.756 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 65 Resp: 199953
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048739.D

Acq: 31 May 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

MW-13D

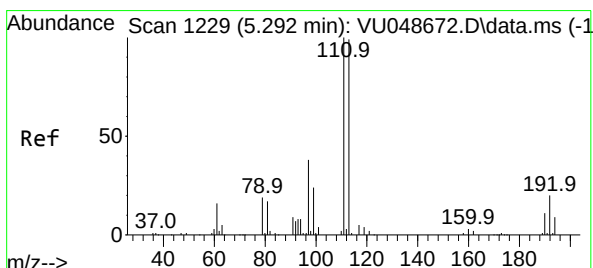
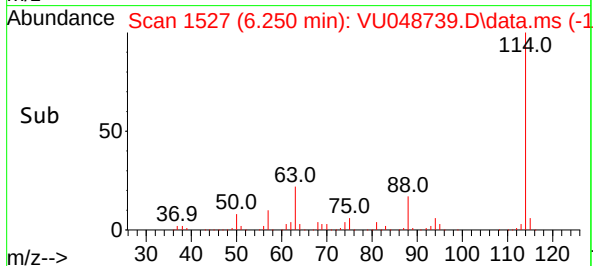
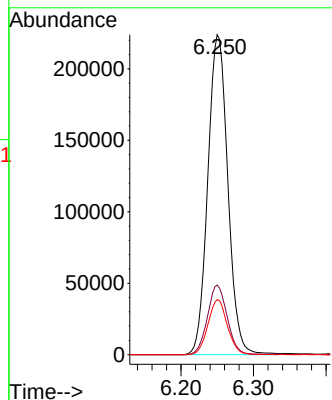
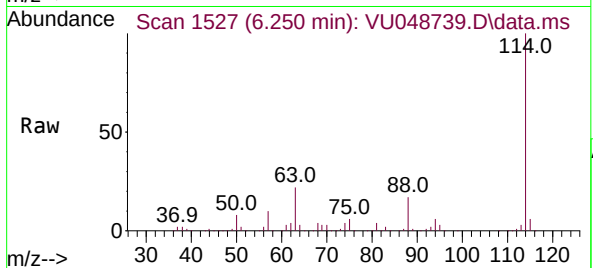
Tgt Ion:114 Resp: 429743

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 17.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.793 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048739.D

Acq: 31 May 2022 14:45

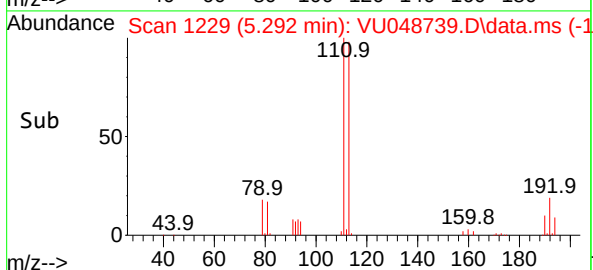
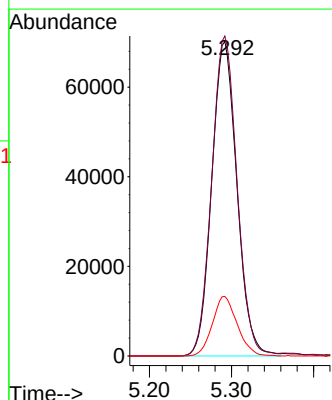
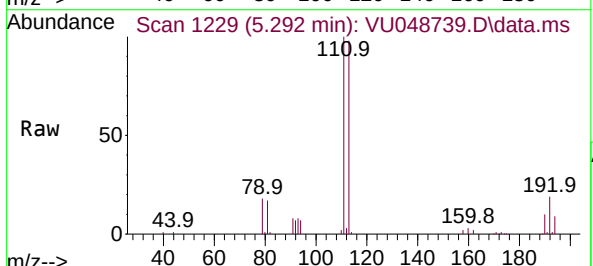
Tgt Ion:113 Resp: 149594

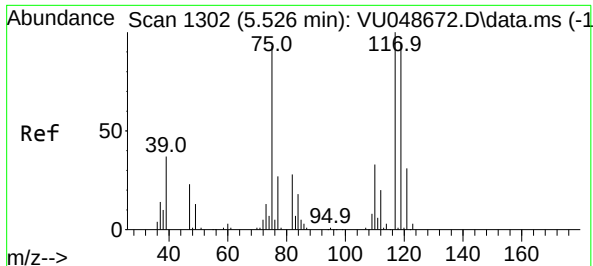
Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

192 18.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU048739.D

Acq: 31 May 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

MW-13D

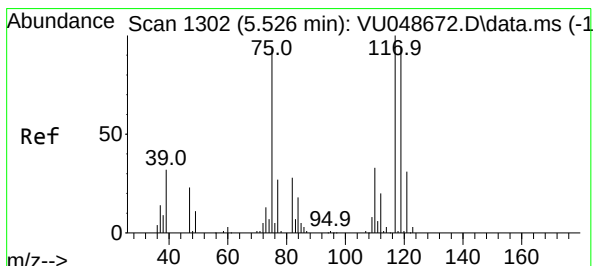
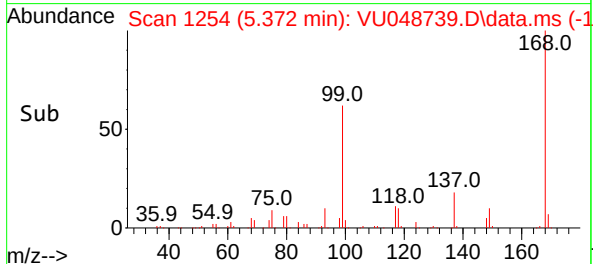
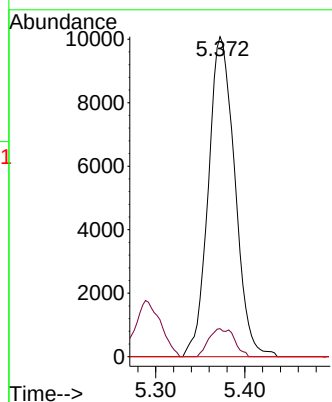
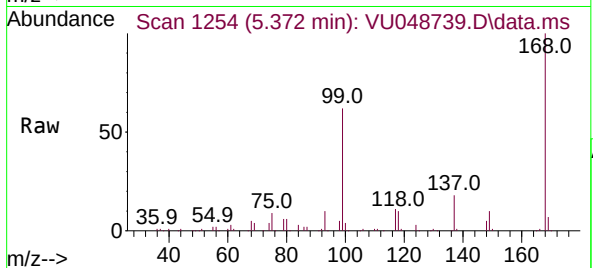
Tgt Ion: 75 Resp: 20817

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.020 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048739.D

Acq: 31 May 2022 14:45

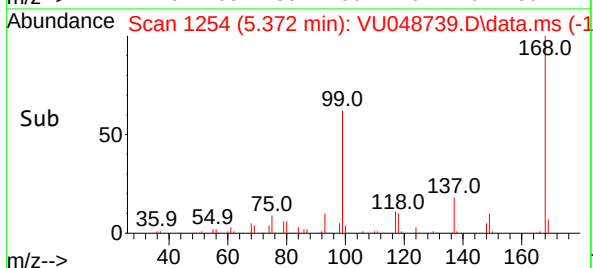
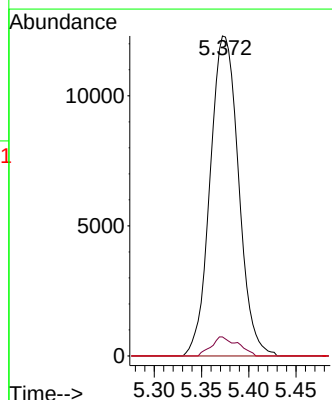
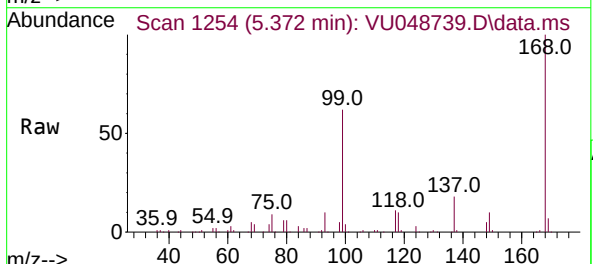
Tgt Ion: 117 Resp: 25772

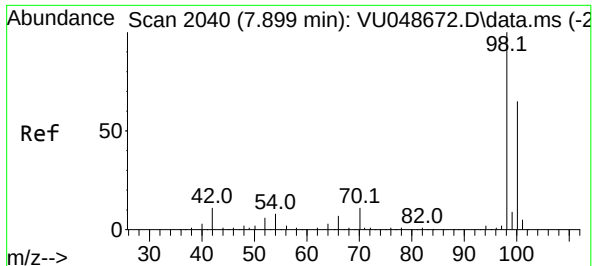
Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.2#

121 0.0 24.6 36.8#

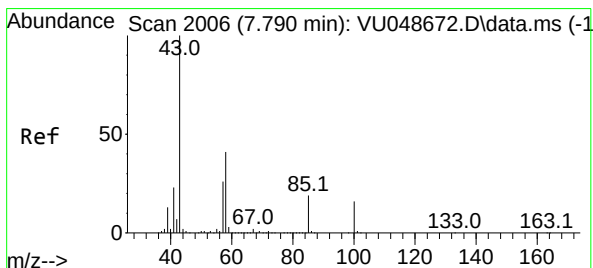
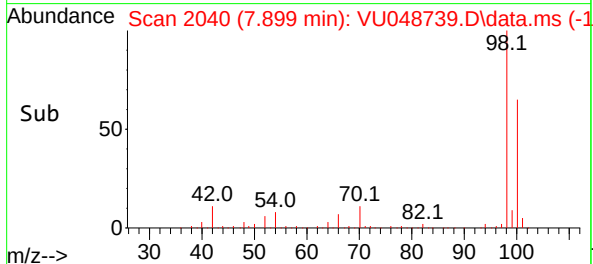
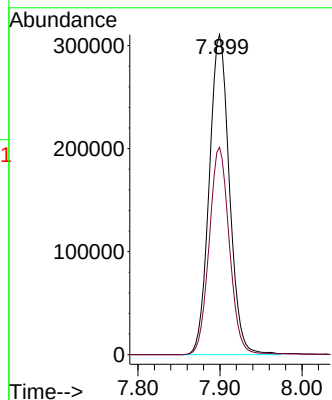
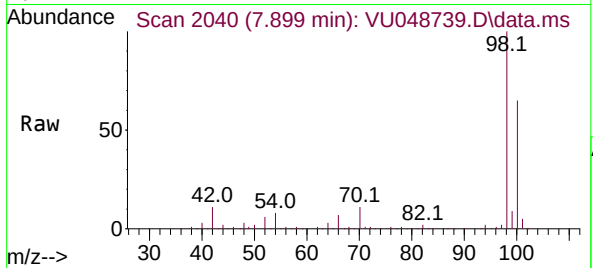




#50
Toluene-d8
Concen: 48.372 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

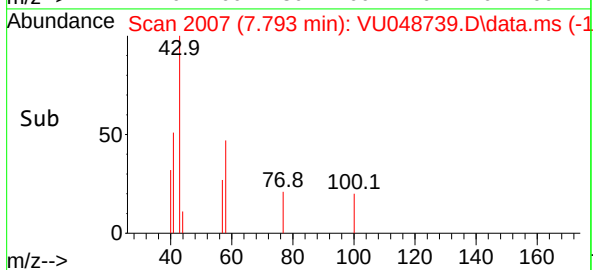
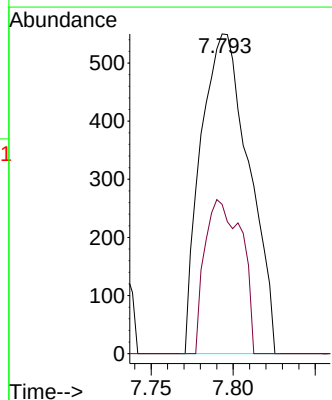
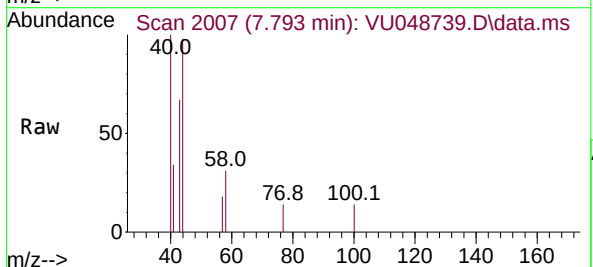
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

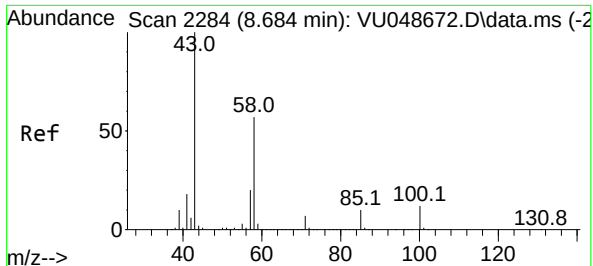
Tgt Ion: 98 Resp: 531613
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.210 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 36.7 32.7 49.1





#59

2-Hexanone

Concen: 0.292 ug/l

RT: 8.694 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU048739.D

Acq: 31 May 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

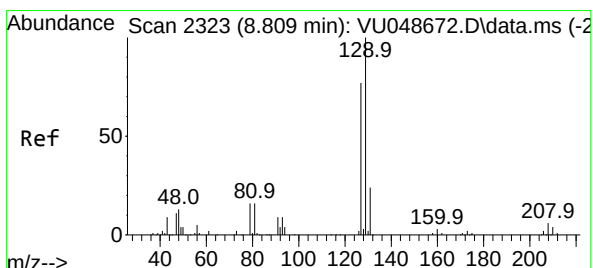
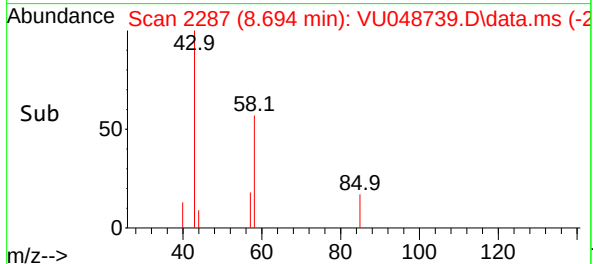
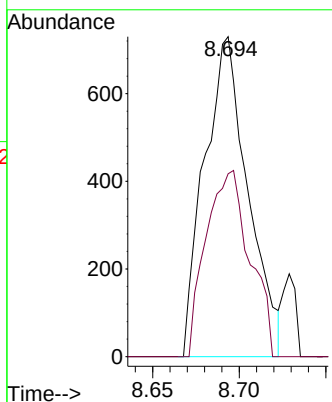
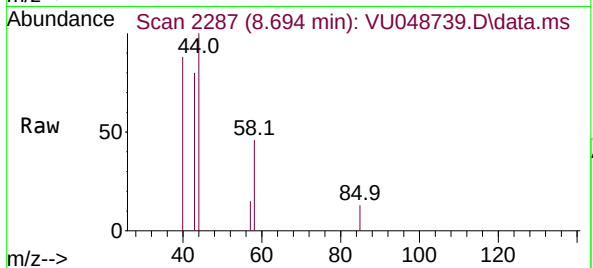
MW-13D

Tgt Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

58 58.4 28.2 84.6



#60

Dibromochloromethane

Concen: 0.971 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.254 min

Lab File: VU048739.D

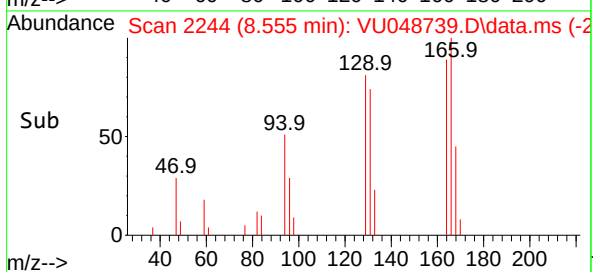
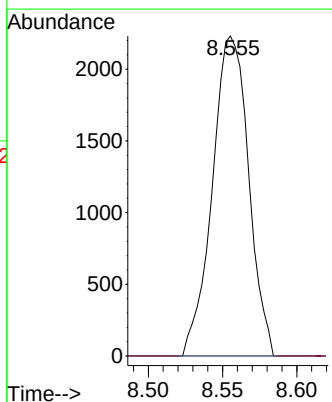
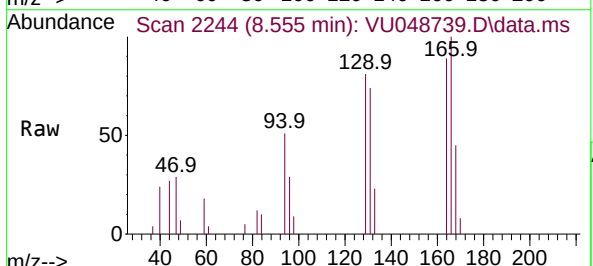
Acq: 31 May 2022 14:45

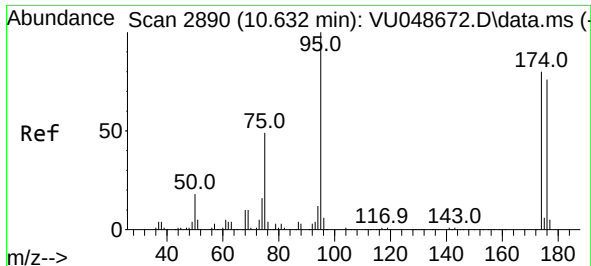
Tgt Ion: 129 Resp: 3794

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

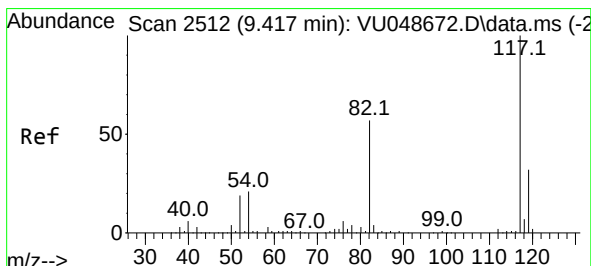
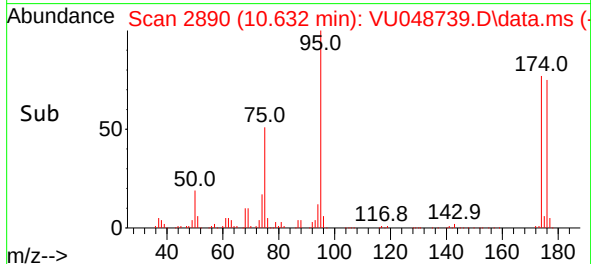
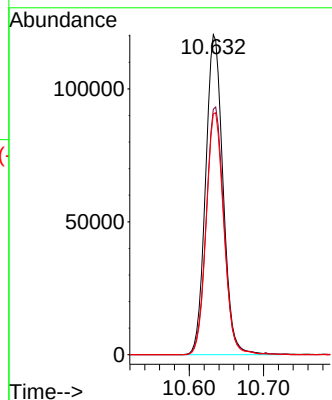
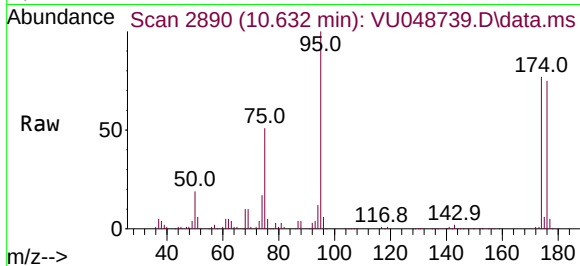




#62
4-Bromofluorobenzene
Concen: 47.187 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

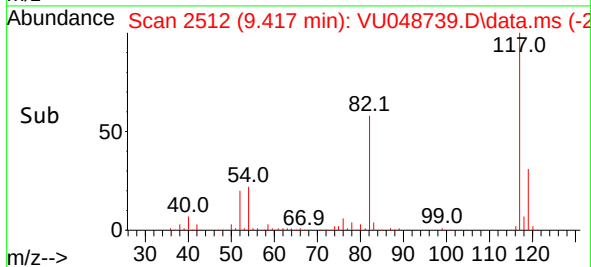
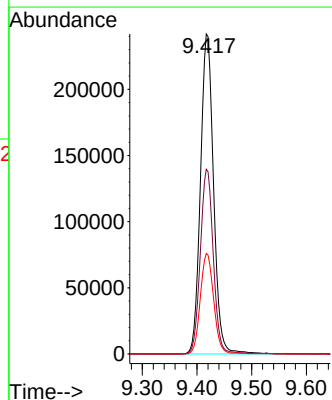
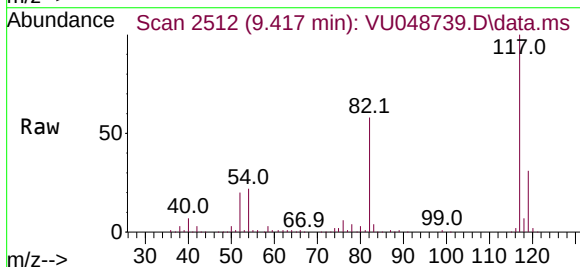
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

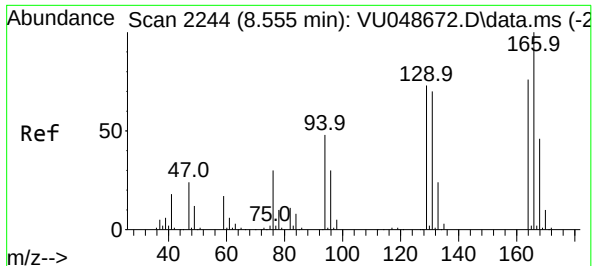
Tgt Ion: 95 Resp: 196126
Ion Ratio Lower Upper
95 100
174 78.7 0.0 159.4
176 76.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 117 Resp: 402307
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 31.4 25.4 38.2



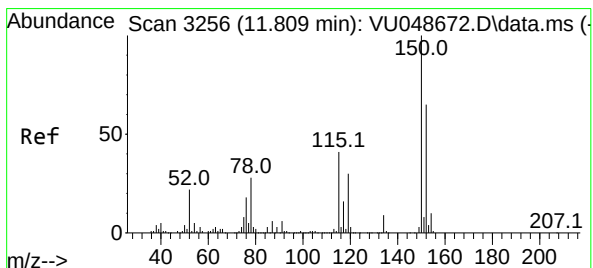
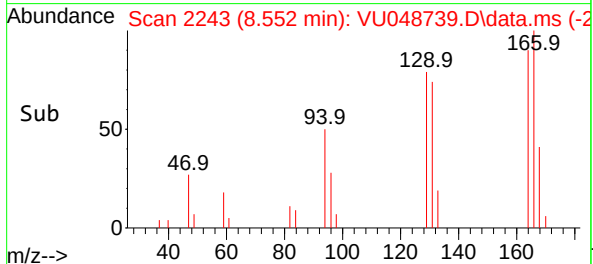
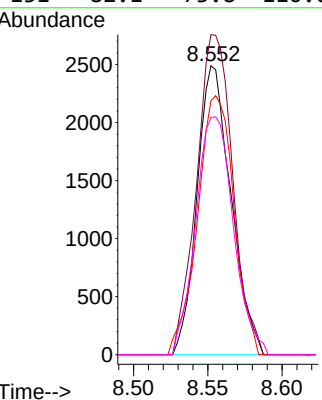
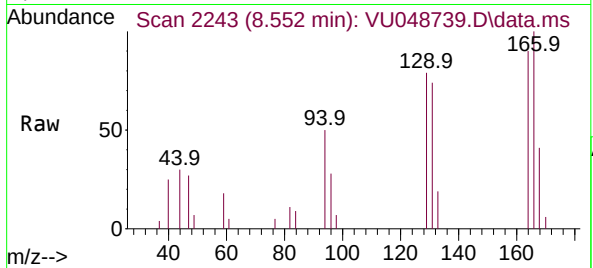


#64
Tetrachloroethene
Concen: 0.312 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
MW-13D

Tgt Ion:164 Resp: 3950

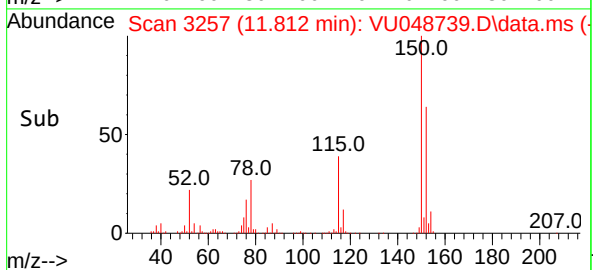
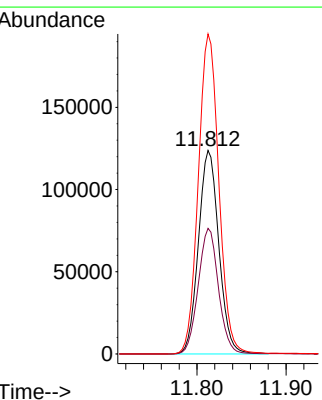
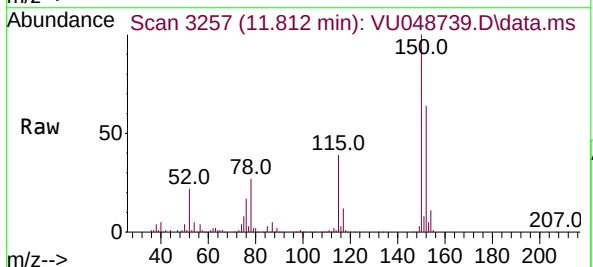
Ion	Ratio	Lower	Upper
164	100		
166	110.8	105.0	157.4
129	87.8	76.5	114.7
131	82.1	73.8	110.6

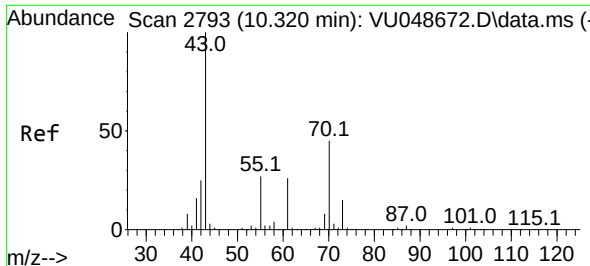


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion:152 Resp: 197071

Ion	Ratio	Lower	Upper
152	100		
115	61.1	41.8	125.4
150	157.9	0.0	341.0

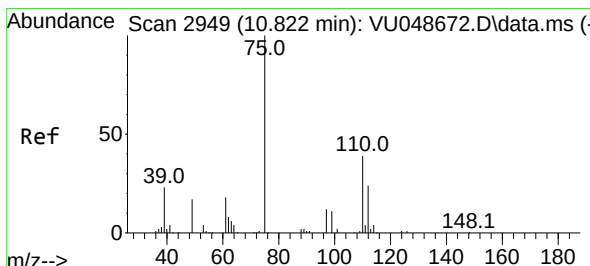
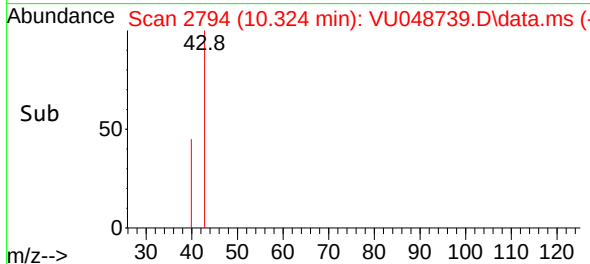
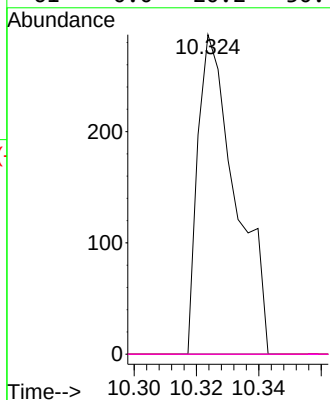
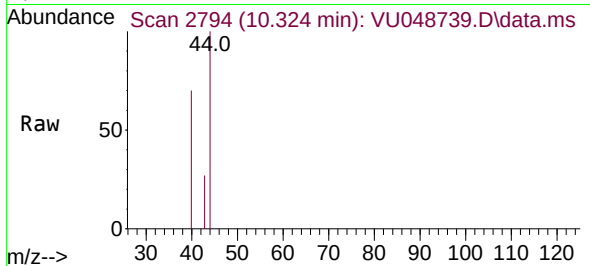




#74
N-amy1 acetate
Concen: 2.503 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

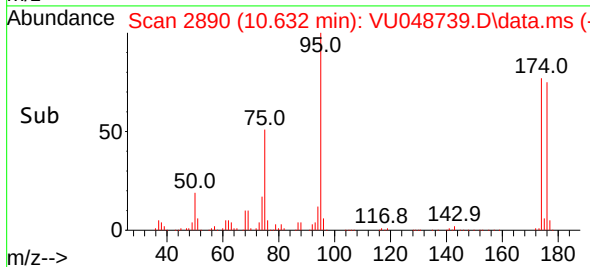
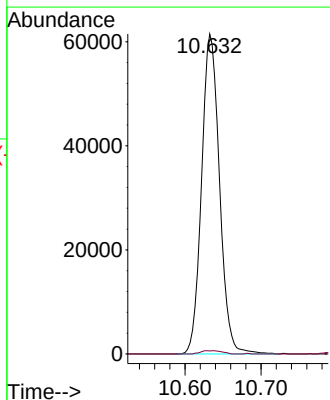
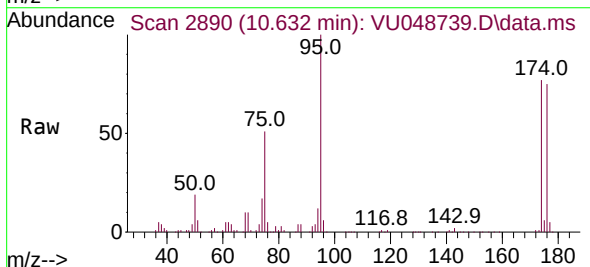
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

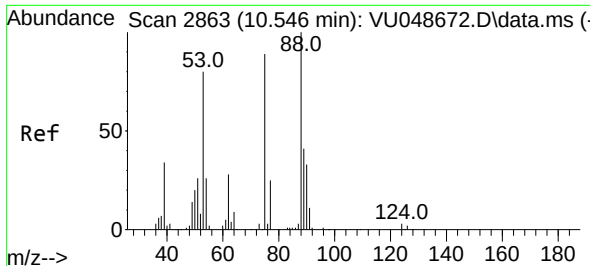
Tgt Ion: 43	Resp: 243
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.855 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 75	Resp: 100745
Ion Ratio	Lower Upper
75 100	
77 1.2	14.8 44.3#

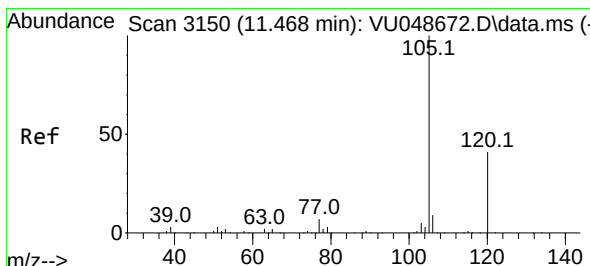
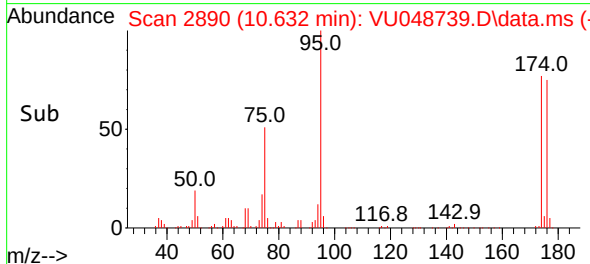
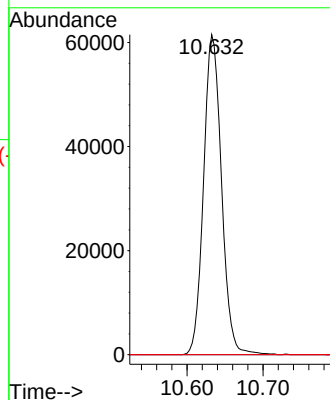
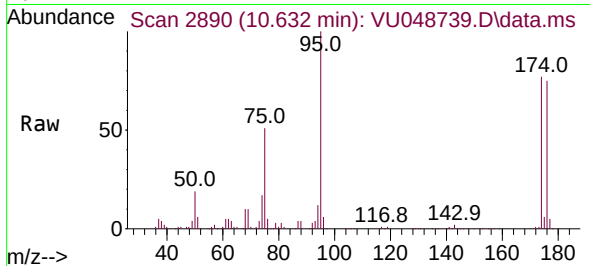




#81
trans-1,4-Dichloro-2-butene
Concen: 57.568 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

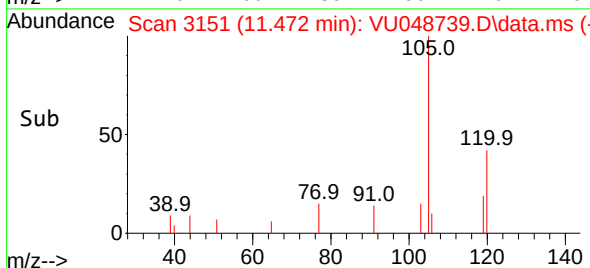
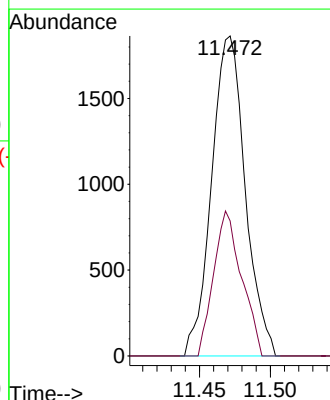
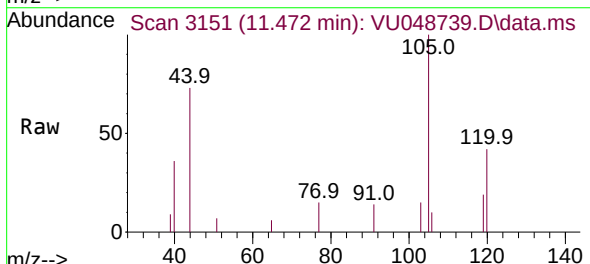
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

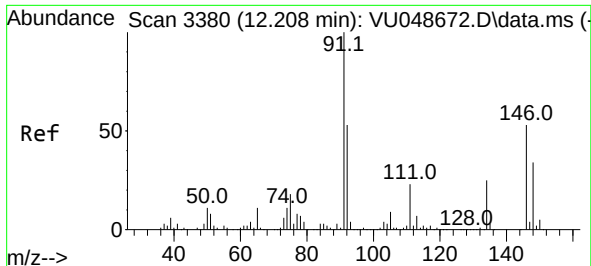
Tgt Ion: 75 Resp: 100745
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.439 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Tgt Ion: 105 Resp: 3077
Ion Ratio Lower Upper
105 100
120 37.6 22.5 67.5





#89

n-Butylbenzene

Concen: 2.257 ug/l

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048739.D

Acq: 31 May 2022 14:45

Instrument :

MSVOA_U

ClientSampleId :

MW-13D

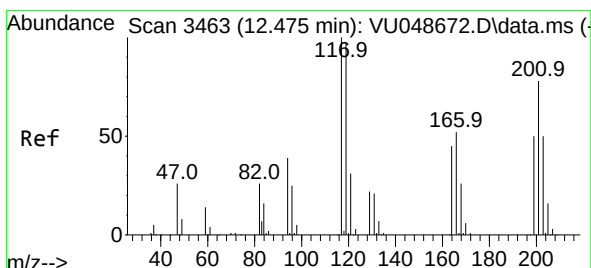
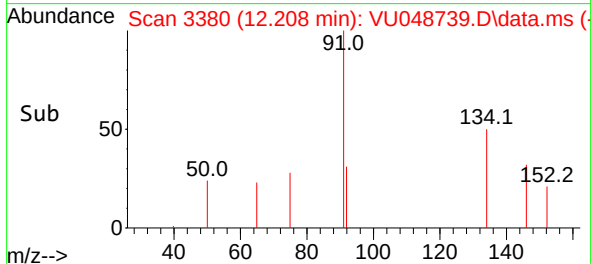
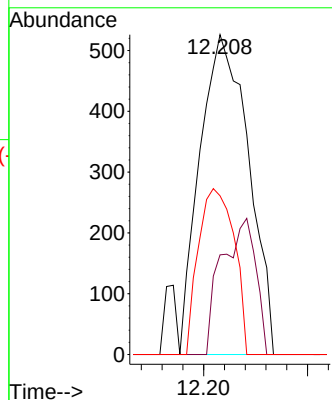
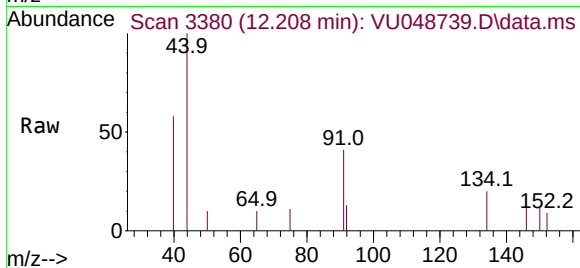
Tgt Ion: 91 Resp: 856

Ion Ratio Lower Upper

91 100

92 29.8 25.9 77.8

134 38.1 12.5 37.5#



#90

Hexachloroethane

Concen: 0.367 ug/l

RT: 12.674 min Scan# 3525

Delta R.T. 0.199 min

Lab File: VU048739.D

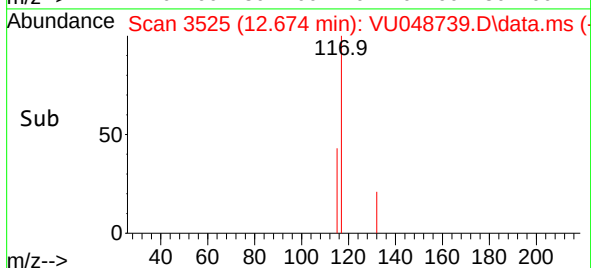
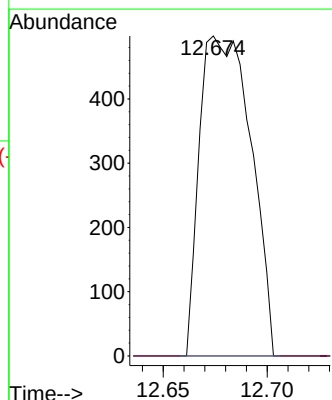
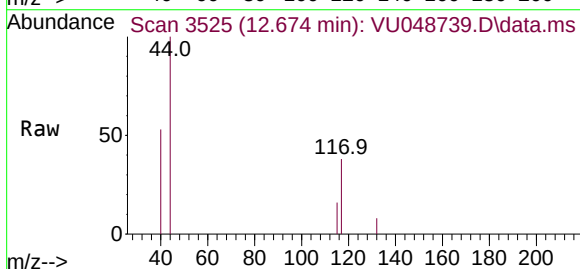
Acq: 31 May 2022 14:45

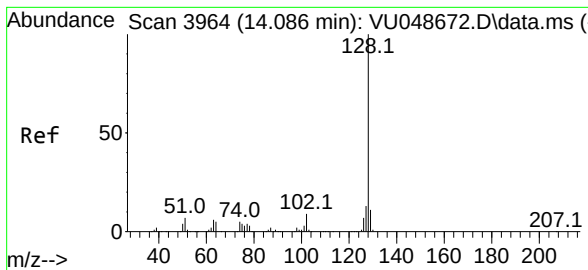
Tgt Ion: 117 Resp: 855

Ion Ratio Lower Upper

117 100

201 0.0 39.6 119.0#





#95
Naphthalene
Concen: 4.156 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048739.D
Acq: 31 May 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
MW-13D

Tgt Ion:	128	Resp:	26526
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.7	8.7	13.1

