

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048692.D
 Acq On : 27 May 2022 14:41
 Operator : SY/MD
 Sample : N3056-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-13D

Quant Time: May 28 00:19:06 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)

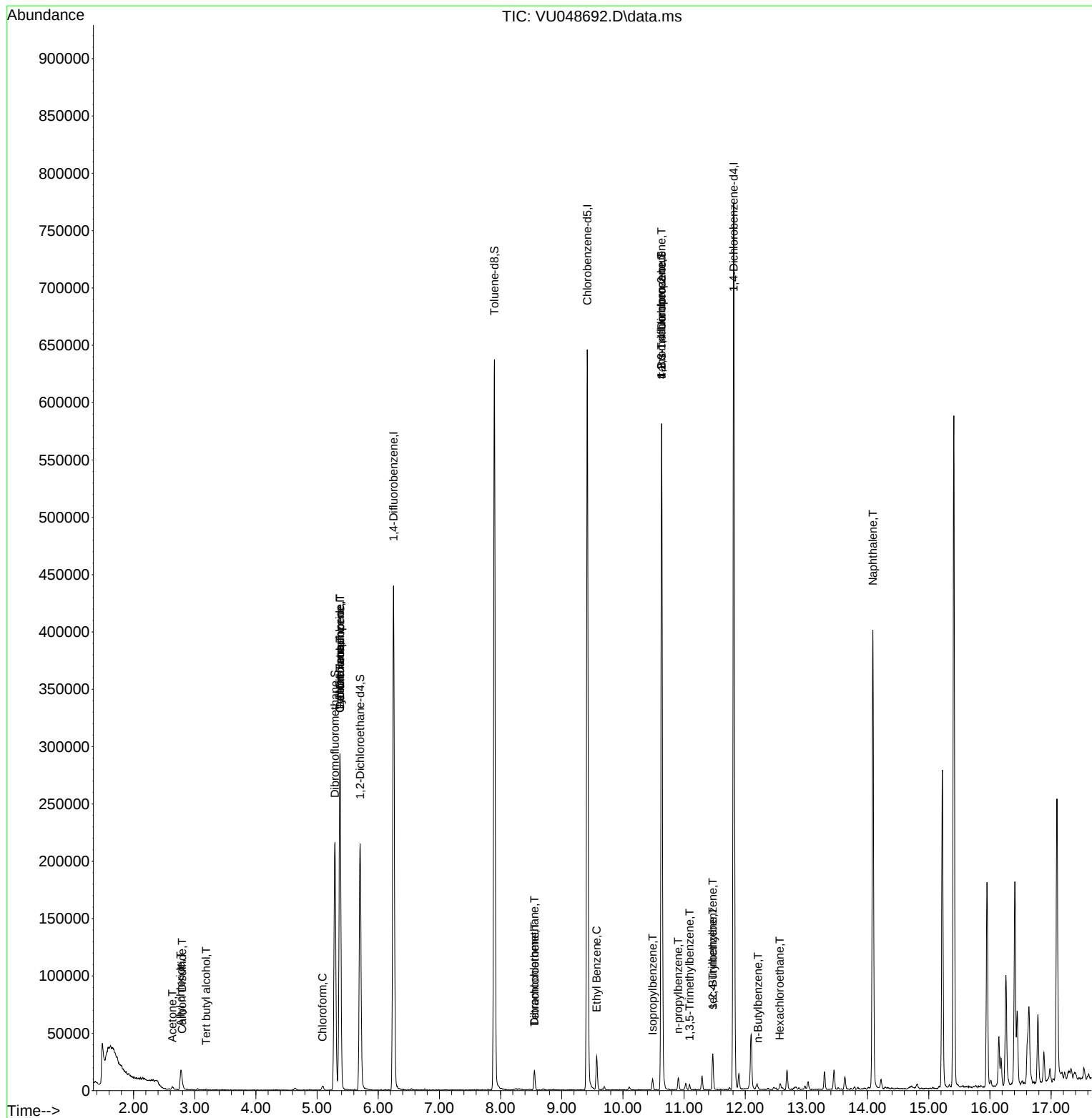
Internal Standards						
1) Pentafluorobenzene	5.375	168	205035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	356600	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	367001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	208491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	167043	54.248	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.500%	
35) Dibromofluoromethane	5.292	113	143646	56.463	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.920%	
50) Toluene-d8	7.899	98	428471	46.984	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.960%	
62) 4-Bromofluorobenzene	10.632	95	196823	57.068	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.912	94	20	Below Cal	#	3
6) Chloroethane	2.002	64	715	Below Cal	#	53
11) Tert butyl alcohol	3.186	59	214	0.274	ug/l #	28
13) Acrolein	2.350	56	39	Below Cal		84
14) Allyl chloride	2.771	41	2139	0.529	ug/l #	71
16) Acetone	2.633	43	2615	1.666	ug/l #	79
17) Carbon Disulfide	2.793	76	1401	0.230	ug/l #	78
30) Chloroform	5.089	83	3619	0.772	ug/l	96
31) Cyclohexane	5.372	56	4218	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	15967	4.300	ug/l #	49
38) Carbon Tetrachloride	5.372	117	21347	5.011	ug/l #	19
60) Dibromochloromethane	8.552	129	3526	1.087	ug/l #	11
64) Tetrachloroethene	8.555	164	3708	0.354	ug/l	90
67) Ethyl Benzene	9.571	91	20612	1.574	ug/l	100
73) Isopropylbenzene	10.488	105	6299	0.468	ug/l	100
76) 1,2,3-Trichloropropane	10.632	75	98747	14.690	ug/l #	47
78) n-propylbenzene	10.906	91	8282	0.516	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	2581	0.220	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.632	75	98747	53.336	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	17047	2.506	ug/l	99
85) sec-Butylbenzene	11.468	105	17047	1.213	ug/l #	58
89) n-Butylbenzene	12.208	91	1540	2.307	ug/l #	44
90) Hexachloroethane	12.565	117	549	0.223	ug/l #	10
95) Naphthalene	14.085	128	319575	21.019	ug/l	99

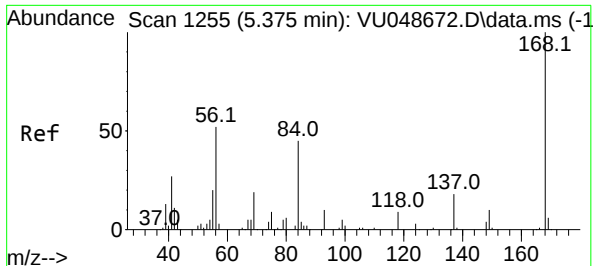
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 28 00:19:06 2022
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Quant Title : SW846 8260
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Response via : Initial Calibration

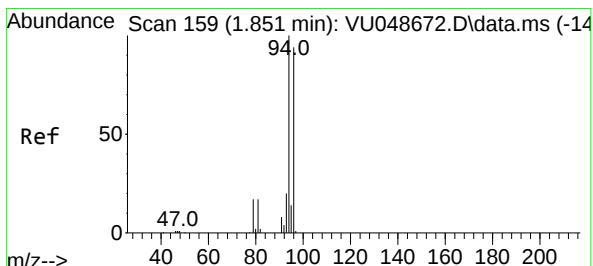
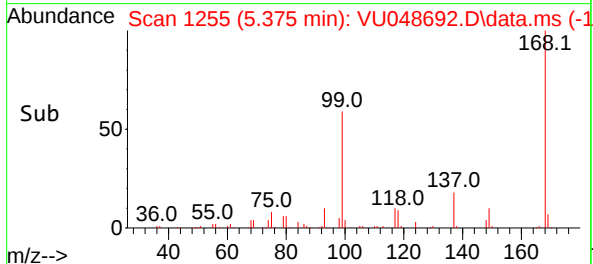
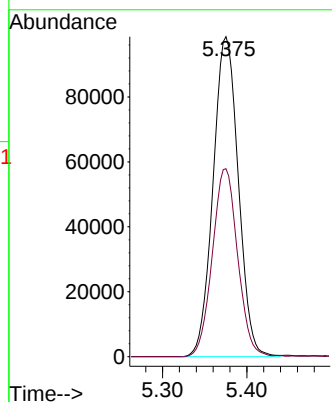
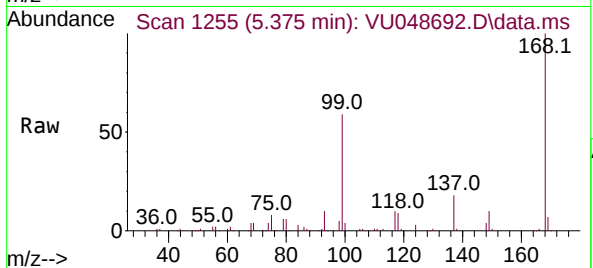




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

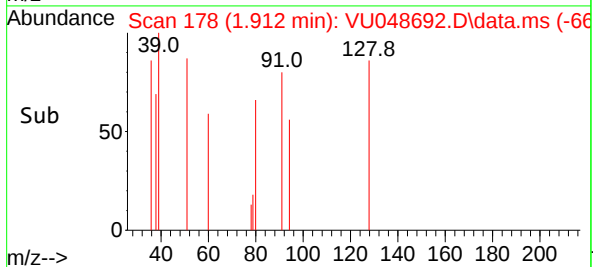
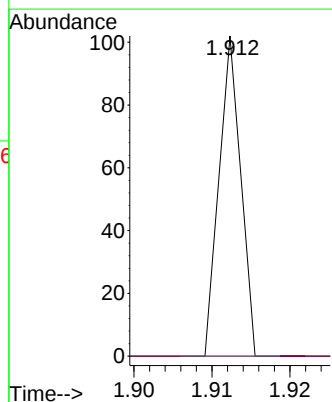
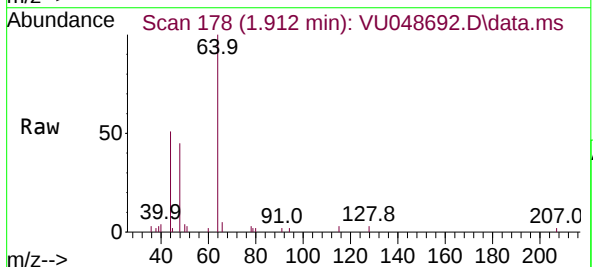
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

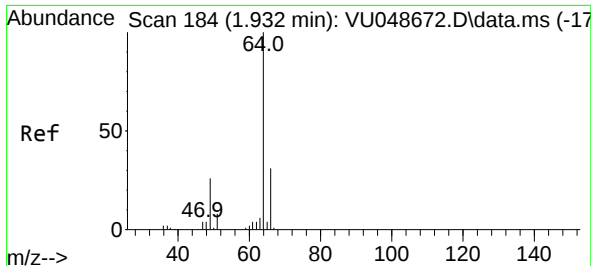
Tgt Ion:168 Resp: 205035
Ion Ratio Lower Upper
168 100
99 58.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.912 min Scan# 178
Delta R.T. 0.061 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

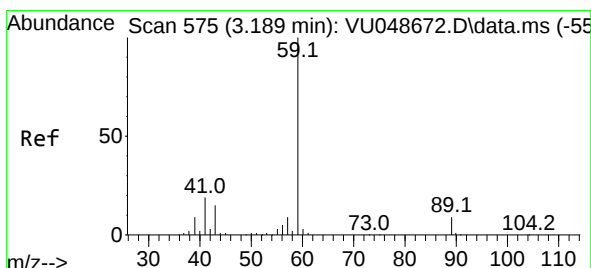
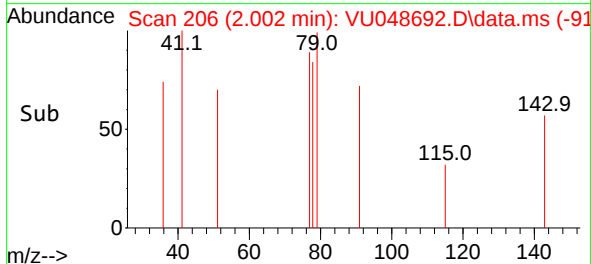
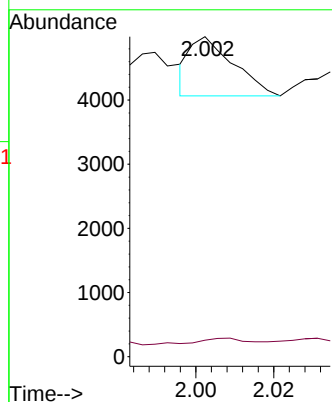
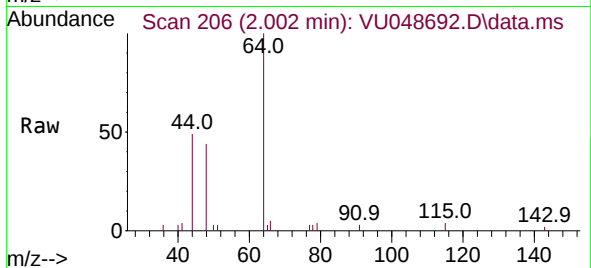




#6
Chloroethane
Concen: Below Cal
RT: 2.002 min Scan# 206
Delta R.T. 0.070 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

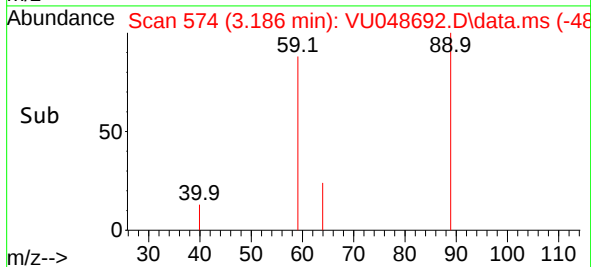
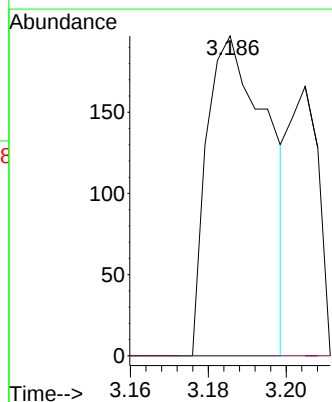
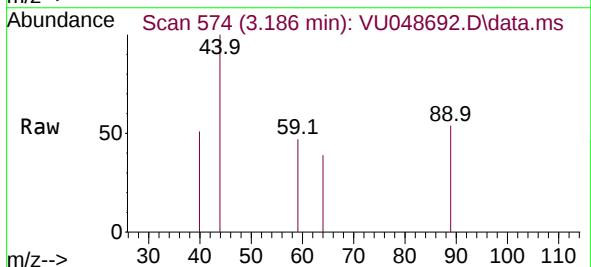
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

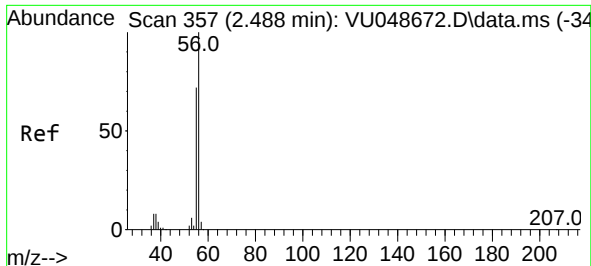
Tgt Ion: 64 Resp: 715
Ion Ratio Lower Upper
64 100
66 5.5 25.2 37.8#



#11
Tert butyl alcohol
Concen: 0.274 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

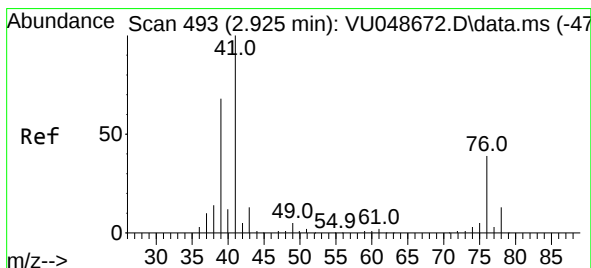
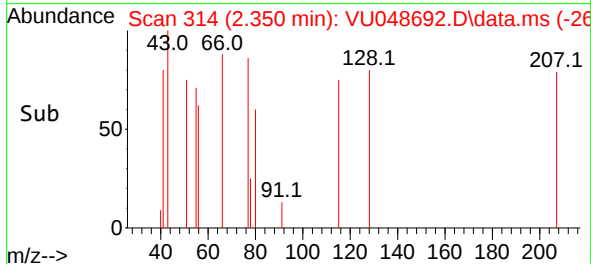
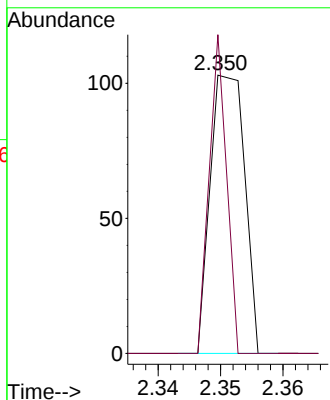
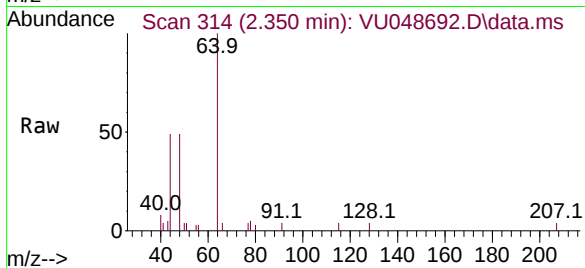




#13
Acrolein
Concen: Below Cal
RT: 2.350 min Scan# 314
Delta R.T. -0.138 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

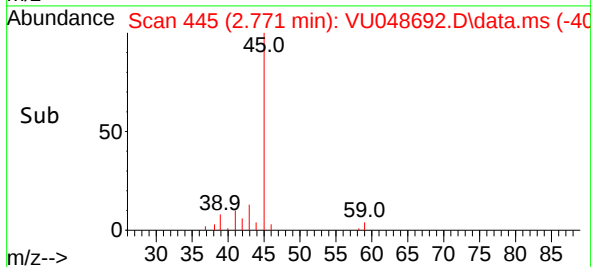
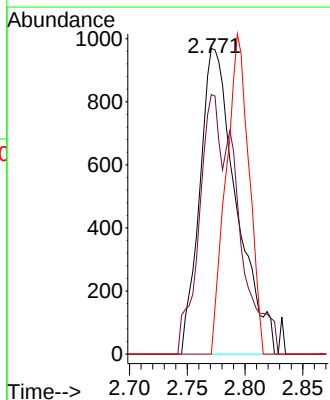
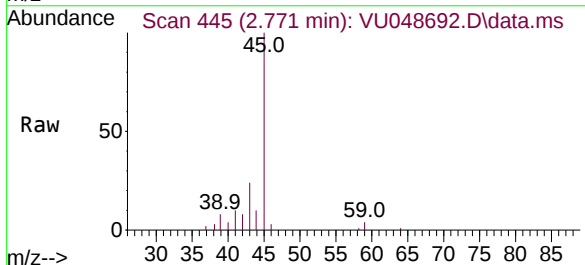
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

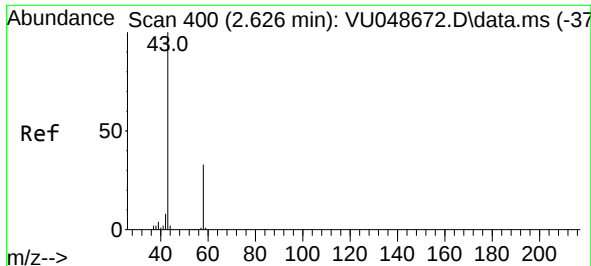
Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 59.0 57.7 86.5



#14
Allyl chloride
Concen: 0.529 ug/l
RT: 2.771 min Scan# 445
Delta R.T. -0.154 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 41 Resp: 2139
Ion Ratio Lower Upper
41 100
39 51.1 48.6 72.8
76 0.0 27.0 40.4#





#16

Acetone

Concen: 1.666 ug/l

RT: 2.633 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU048692.D

Acq: 27 May 2022 14:41

Instrument :

MSVOA_U

ClientSampleId :

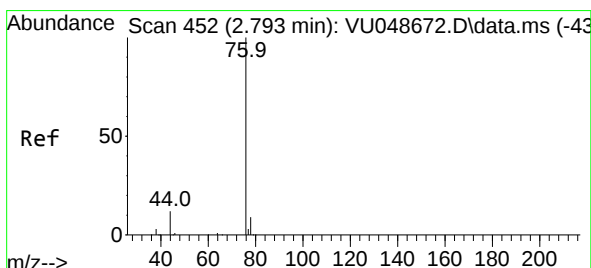
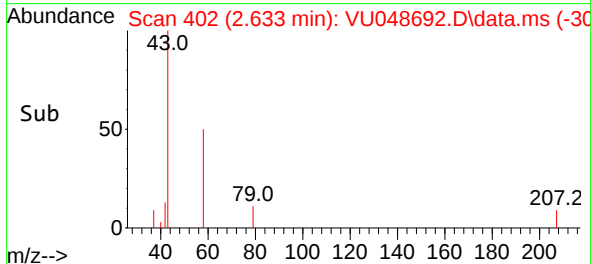
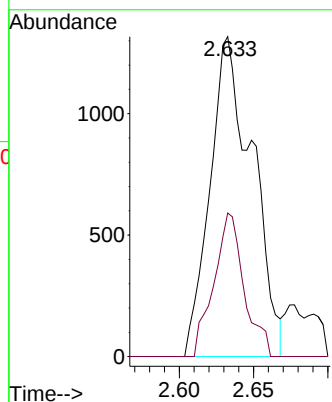
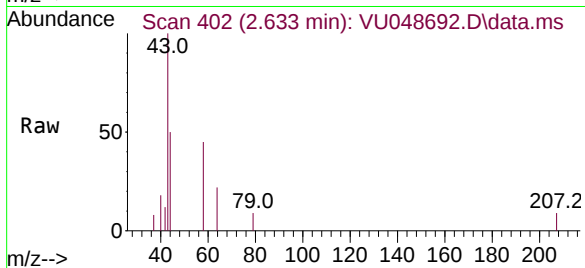
MW-13D

Tgt Ion: 43 Resp: 2615

Ion Ratio Lower Upper

43 100

58 44.9 26.3 39.5#



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU048692.D

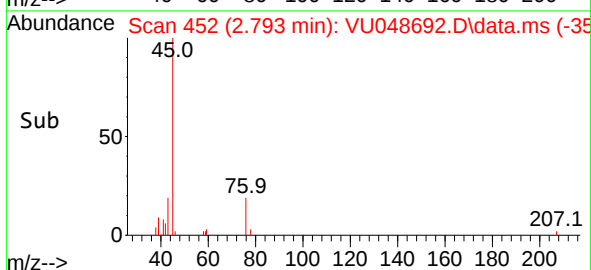
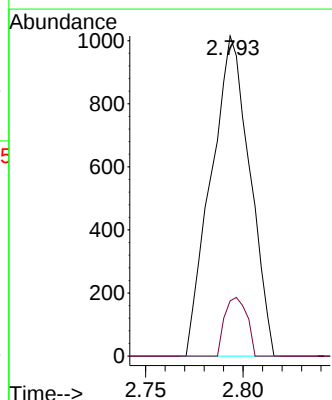
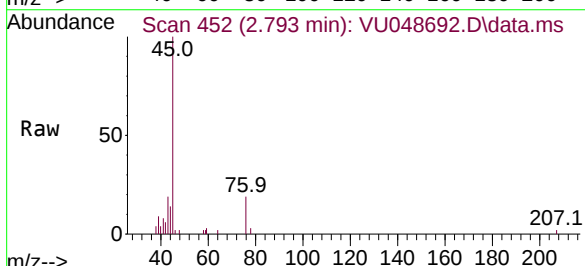
Acq: 27 May 2022 14:41

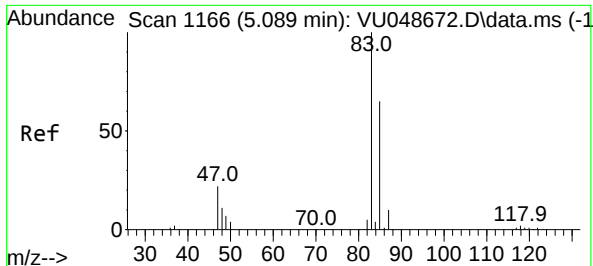
Tgt Ion: 76 Resp: 1401

Ion Ratio Lower Upper

76 100

78 17.2 7.3 10.9#





#30

Chloroform

Concen: 0.772 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048692.D

Acq: 27 May 2022 14:41

Instrument :

MSVOA_U

ClientSampleId :

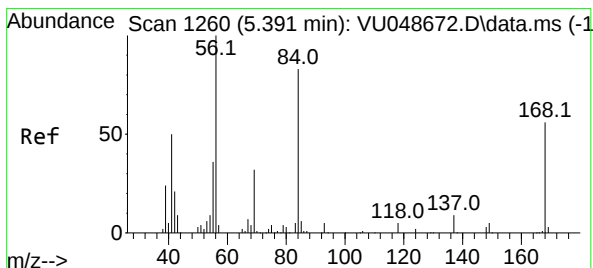
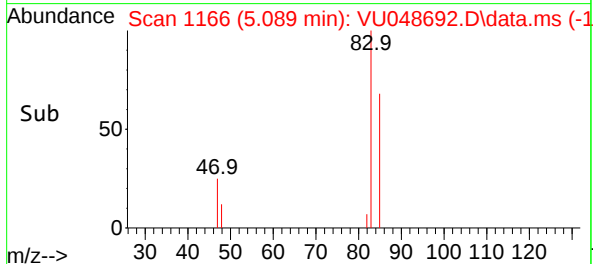
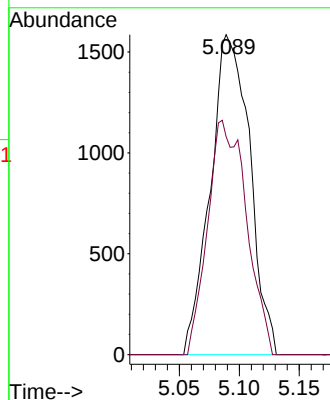
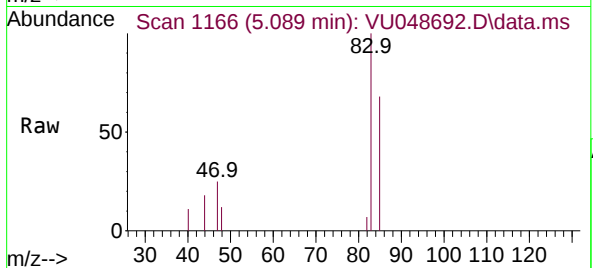
MW-13D

Tgt Ion: 83 Resp: 3619

Ion Ratio Lower Upper

83 100

85 68.2 52.2 78.2



#31

Cyclohexane

Concen: 1.087 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048692.D

Acq: 27 May 2022 14:41

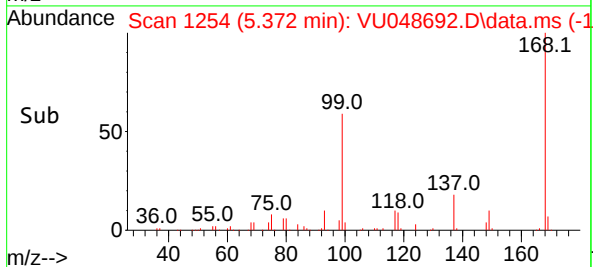
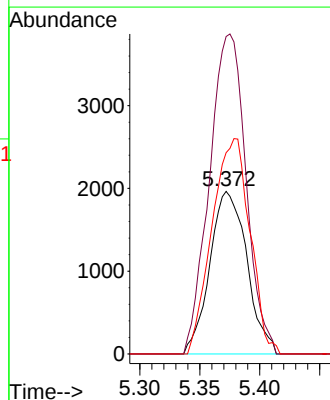
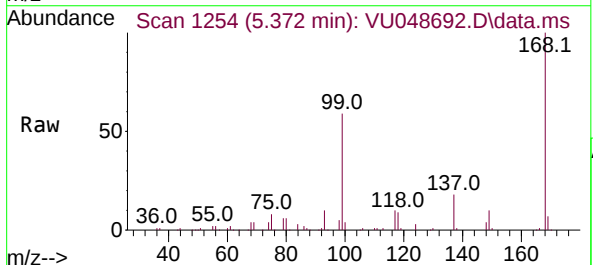
Tgt Ion: 56 Resp: 4218

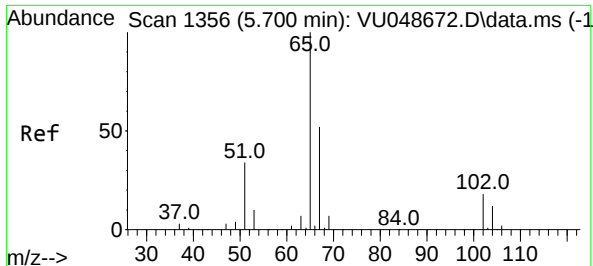
Ion Ratio Lower Upper

56 100

69 195.3 25.6 38.4#

84 123.8 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 54.248 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048692.D

Acq: 27 May 2022 14:41

Instrument :

MSVOA_U

ClientSampleId :

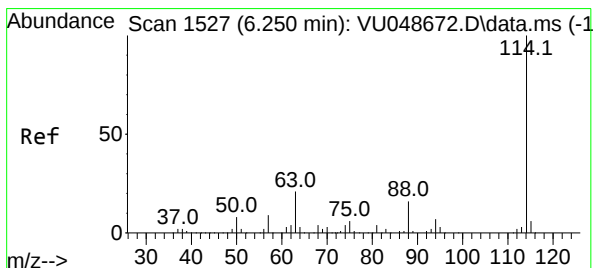
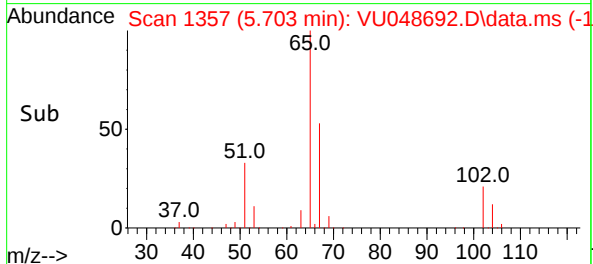
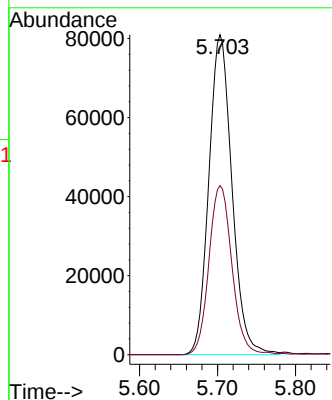
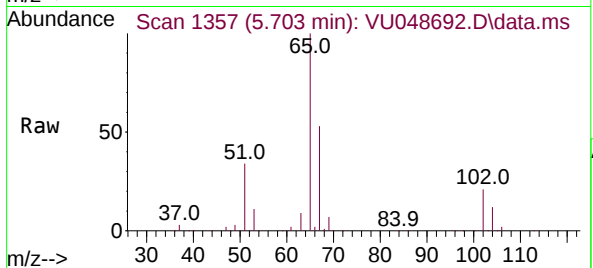
MW-13D

Tgt Ion: 65 Resp: 167043

Ion Ratio Lower Upper

65 100

67 52.5 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: VU048692.D

Acq: 27 May 2022 14:41

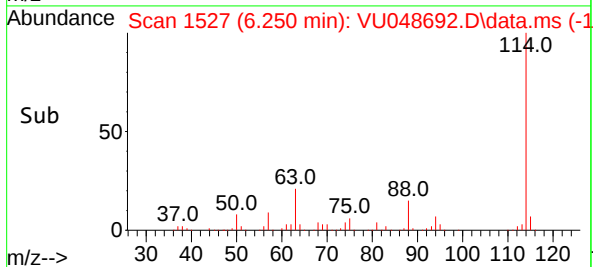
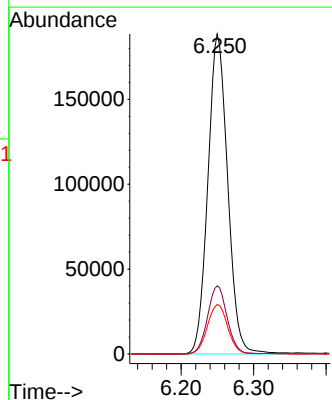
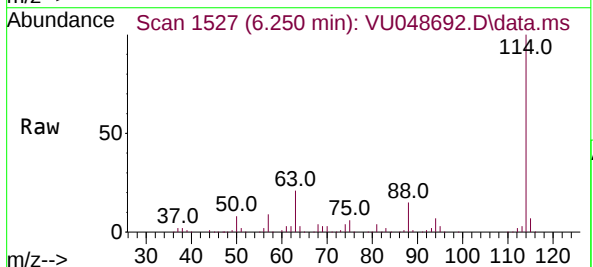
Tgt Ion: 114 Resp: 356600

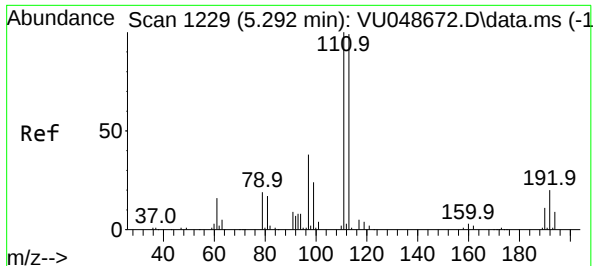
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 15.4 0.0 32.2

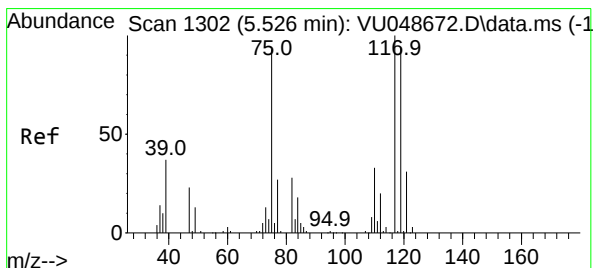
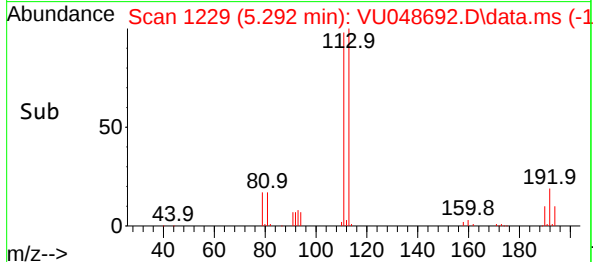
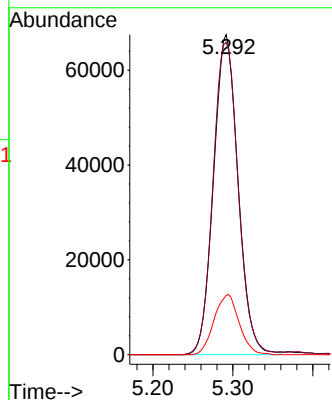
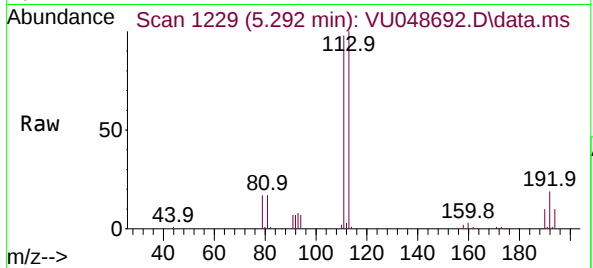




#35
Dibromofluoromethane
Concen: 56.463 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

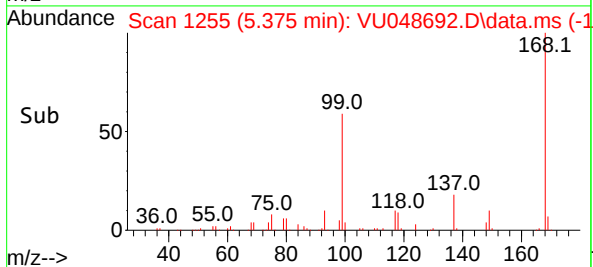
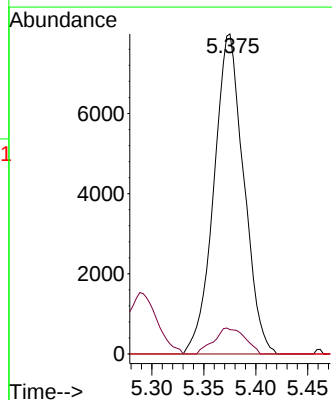
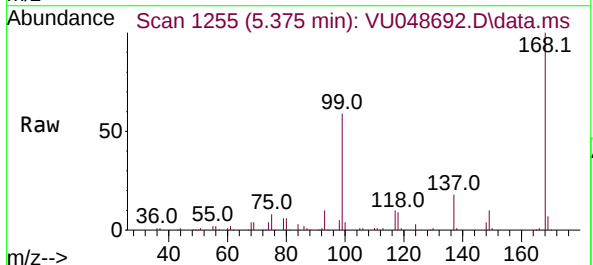
Instrument :
MSVOA_U
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MW-13D

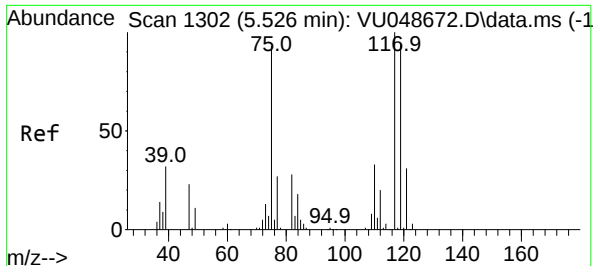
Tgt Ion:113 Resp: 143646
Ion Ratio Lower Upper
113 100
111 100.1 80.7 121.1
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.300 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

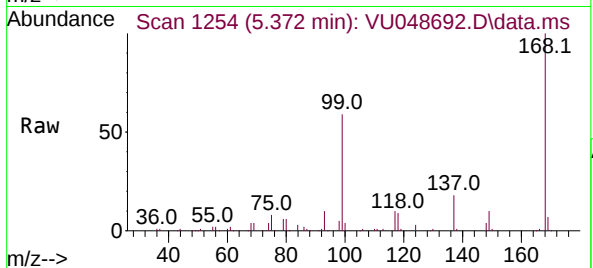
Tgt Ion: 75 Resp: 15967
Ion Ratio Lower Upper
75 100
110 8.4 17.4 52.3#
77 0.0 24.8 37.2#



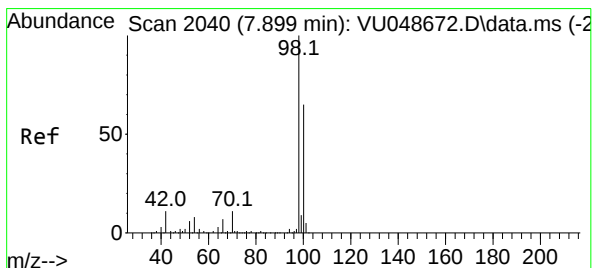
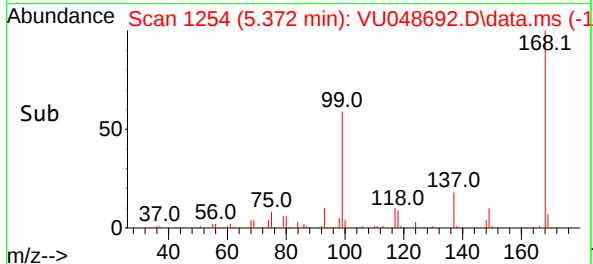
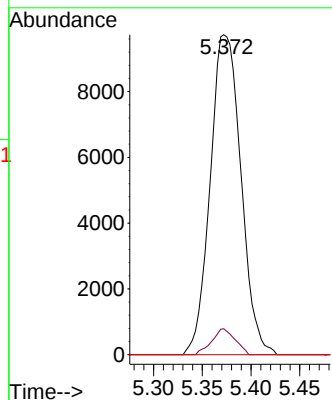


#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Instrument :
MSVOA_U
ClientSampleId :
MW-13D

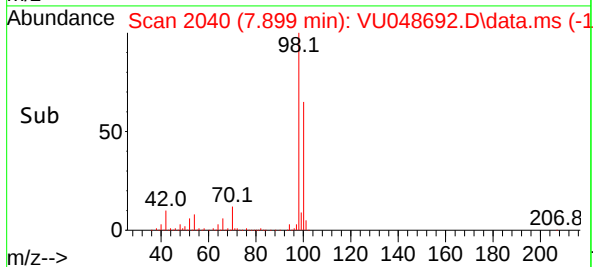
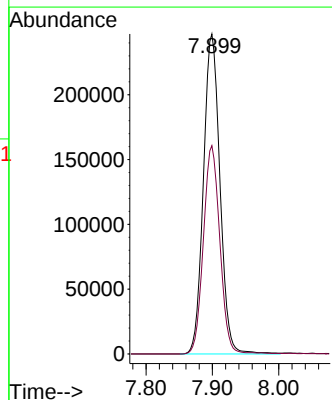
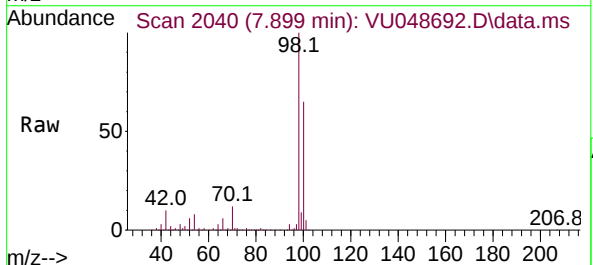


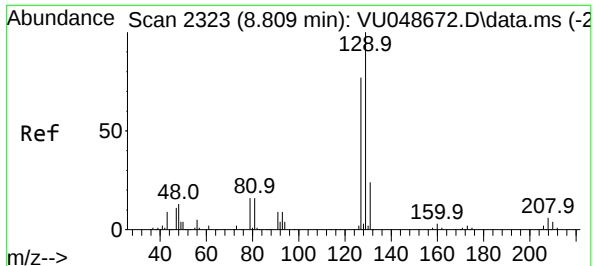
Tgt Ion:117 Resp: 21347
Ion Ratio Lower Upper
117 100
119 8.1 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 46.984 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 98 Resp: 428471
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

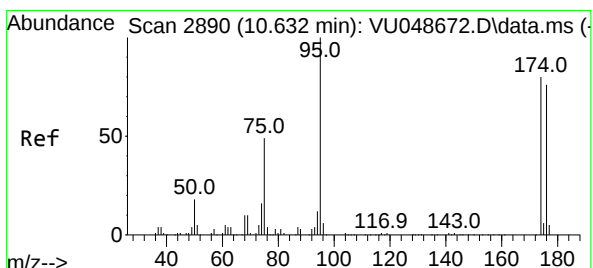
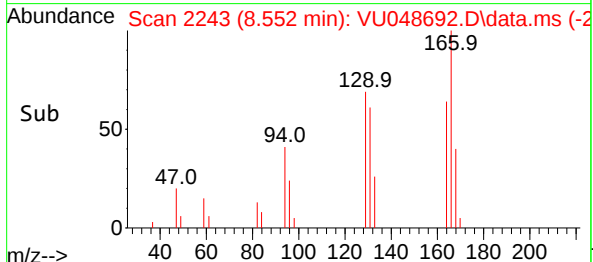
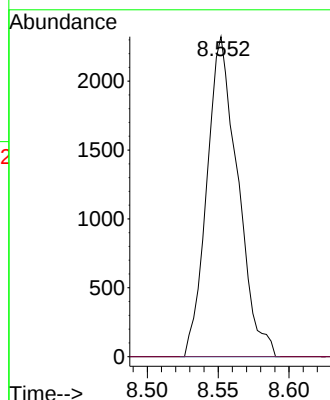
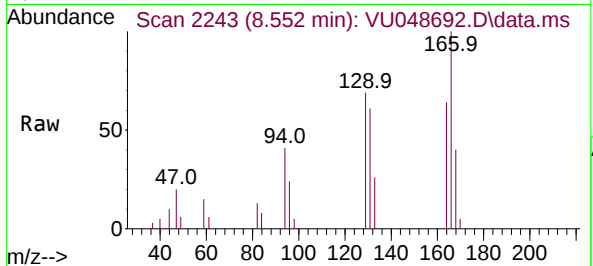




#60
Dibromochloromethane
Concen: 1.087 ug/l
RT: 8.552 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

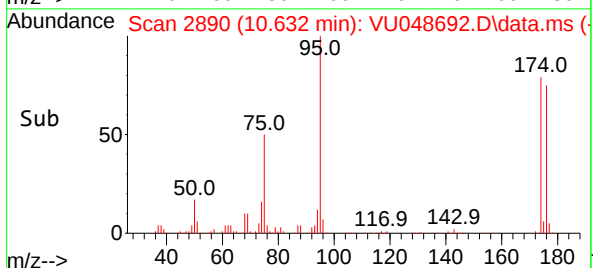
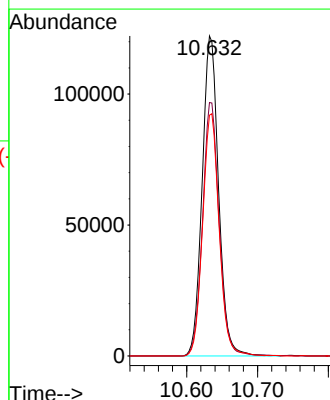
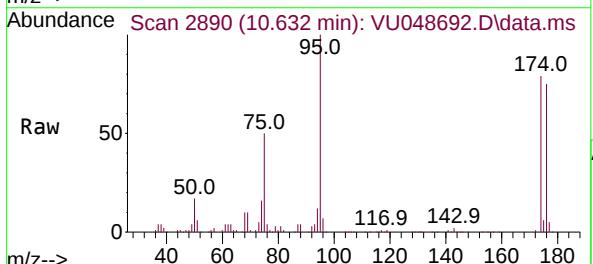
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

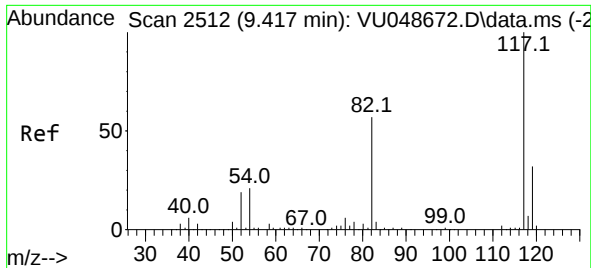
Tgt Ion:129 Resp: 3526
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 57.068 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 95 Resp: 196823
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.4
176 76.2 0.0 152.4

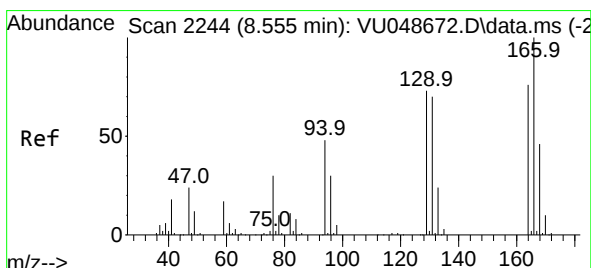
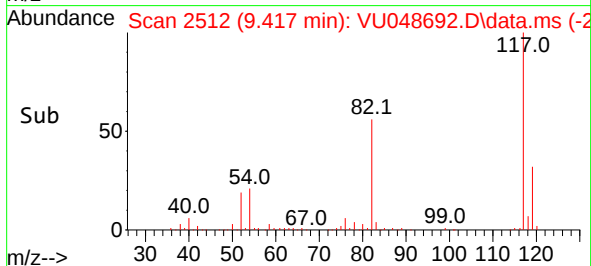
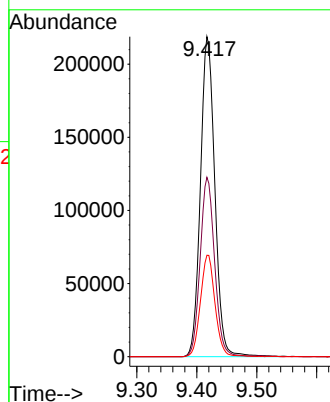
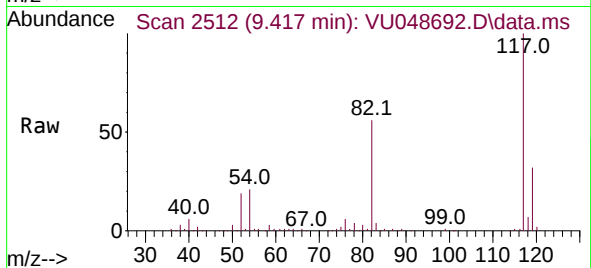




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

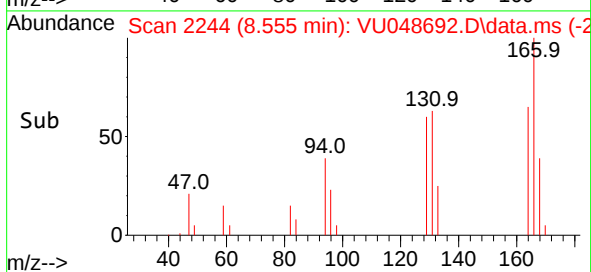
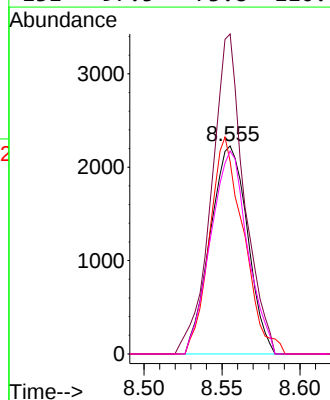
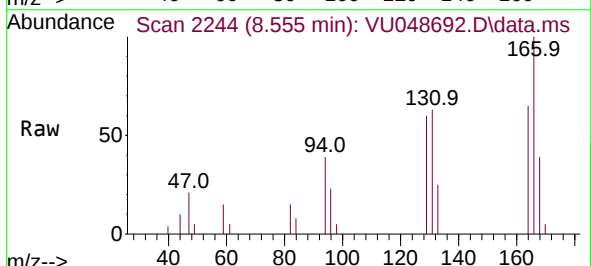
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

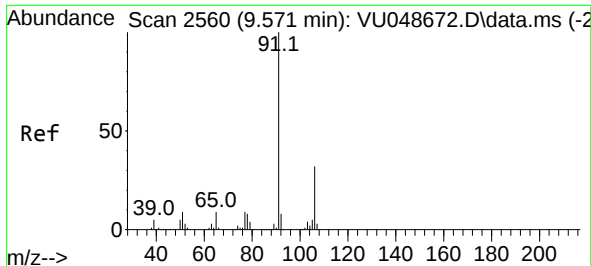
Tgt Ion:117 Resp: 367001
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 0.354 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion:164 Resp: 3708
Ion Ratio Lower Upper
164 100
166 153.8 105.0 157.4
129 92.5 76.5 114.7
131 97.5 73.8 110.6





#67

Ethyl Benzene

Concen: 1.574 ug/l

RT: 9.571 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU048692.D

Acq: 27 May 2022 14:41

Instrument :

MSVOA_U

ClientSampleId :

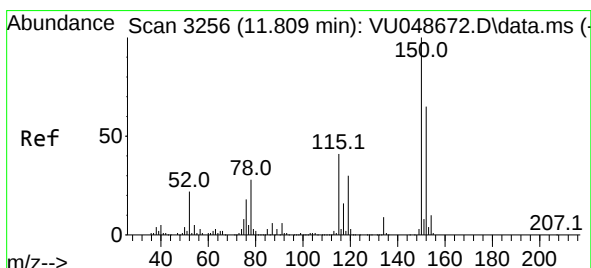
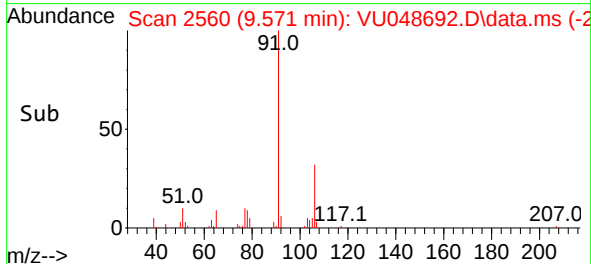
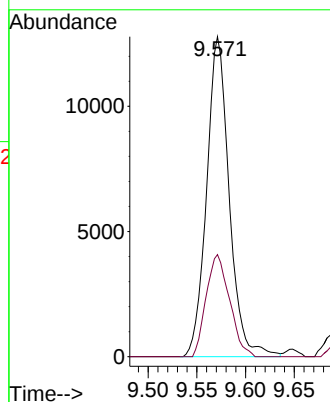
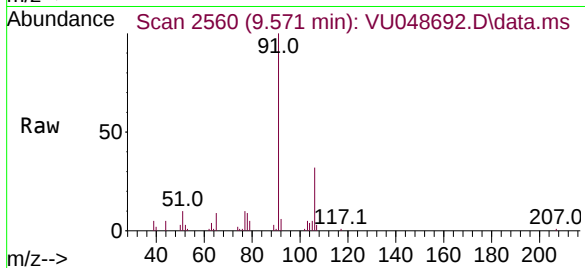
MW-13D

Tgt Ion: 91 Resp: 20612

Ion Ratio Lower Upper

91 100

106 31.9 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: VU048692.D

Acq: 27 May 2022 14:41

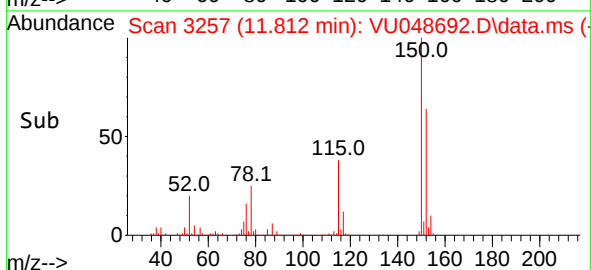
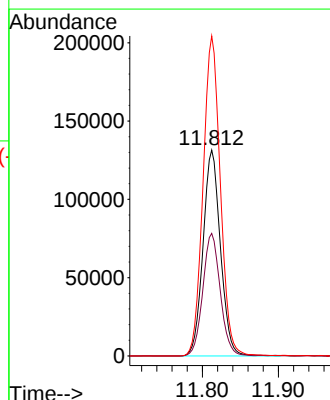
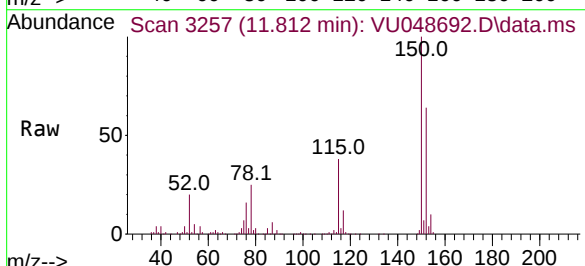
Tgt Ion:152 Resp: 208491

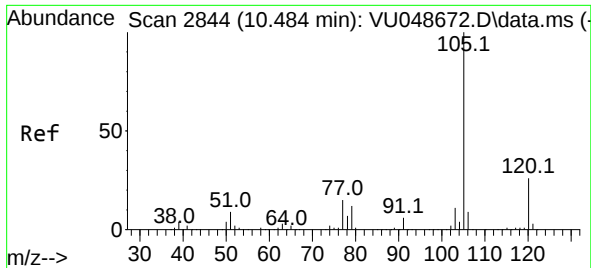
Ion Ratio Lower Upper

152 100

115 59.6 41.8 125.4

150 154.6 0.0 341.0

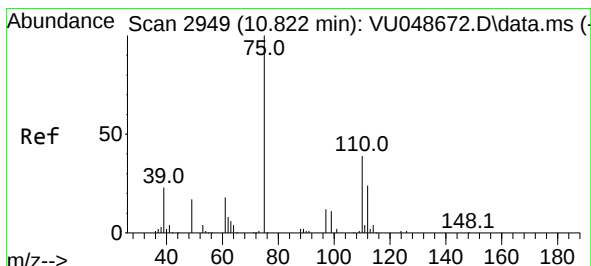
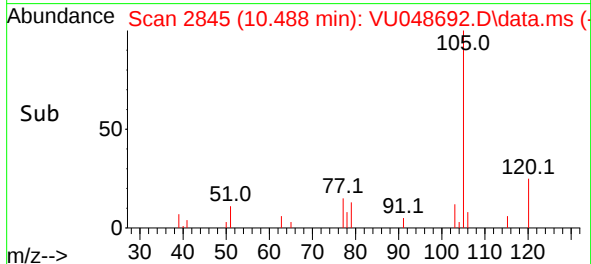
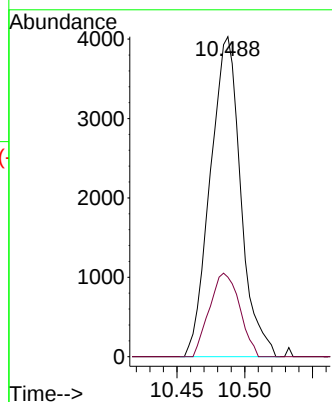
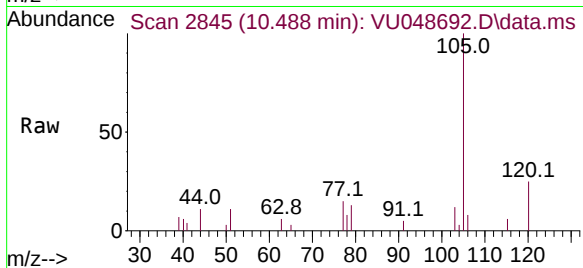




#73
Isopropylbenzene
Concen: 0.468 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

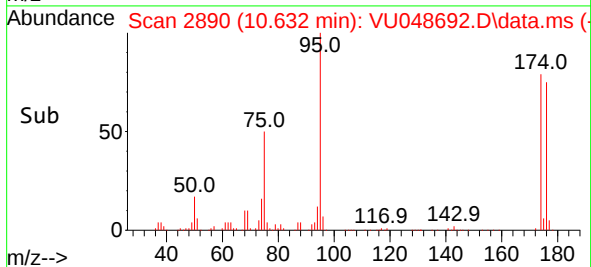
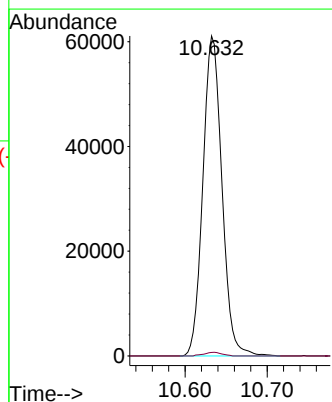
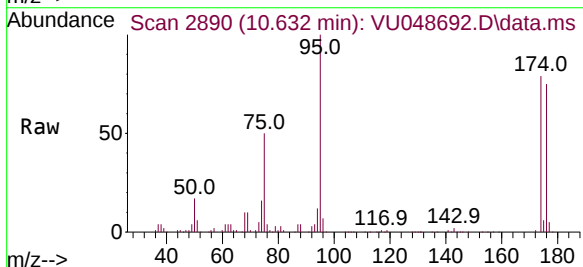
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

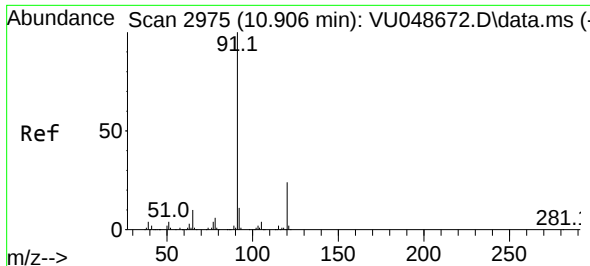
Tgt Ion:105 Resp: 6299
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6



#76
1,2,3-Trichloropropane
Concen: 14.690 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 75 Resp: 98747
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#

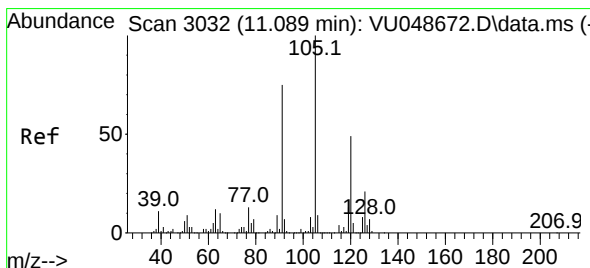
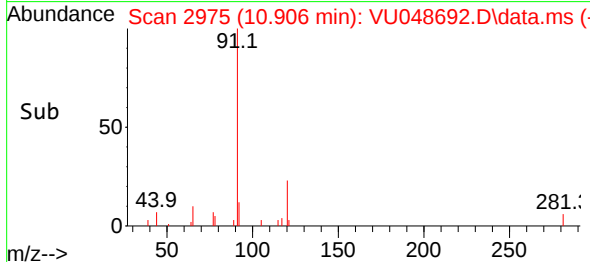
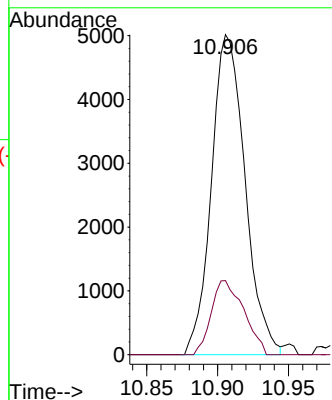
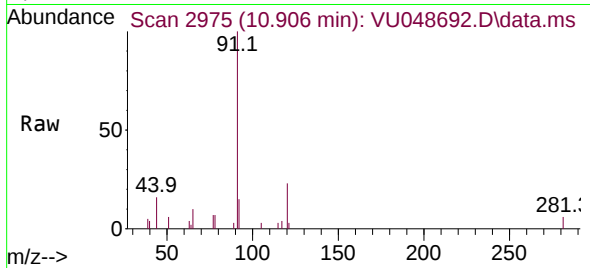




#78
n-propylbenzene
Concen: 0.516 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. -0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

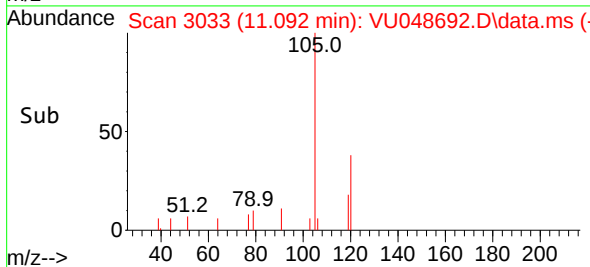
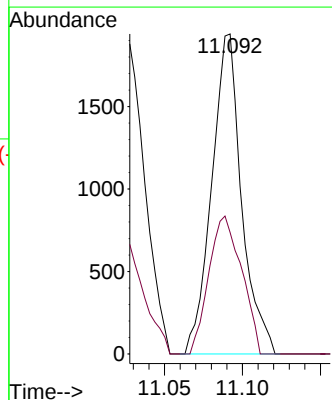
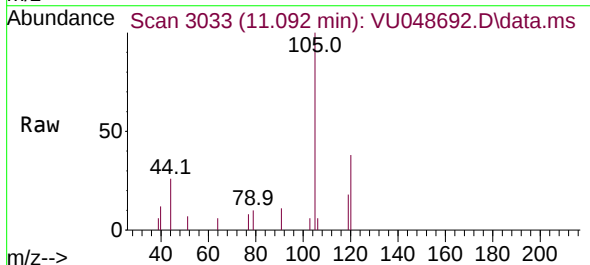
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

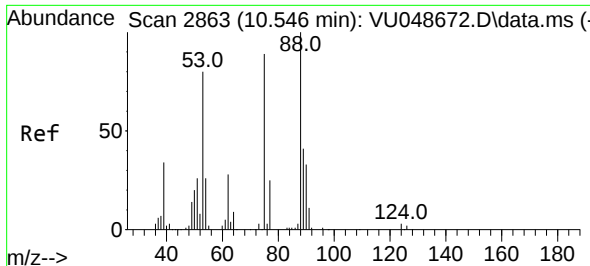
Tgt Ion: 91 Resp: 8282
Ion Ratio Lower Upper
91 100
120 22.4 11.6 34.7



#80
1,3,5-Trimethylbenzene
Concen: 0.220 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 105 Resp: 2581
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.3

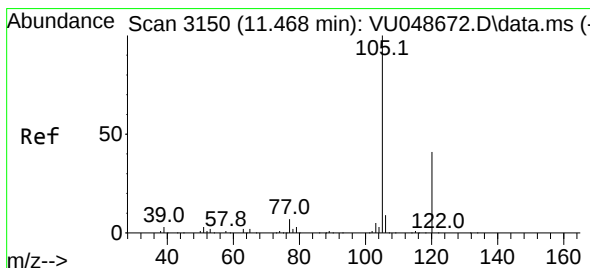
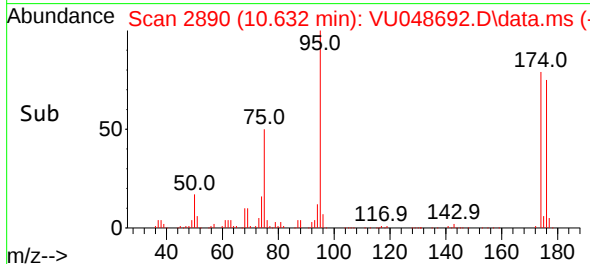
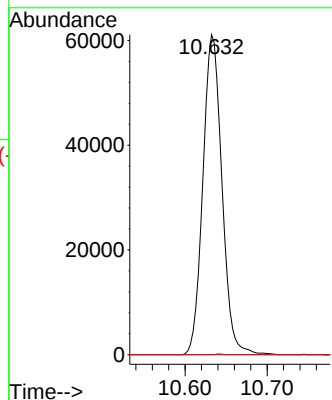
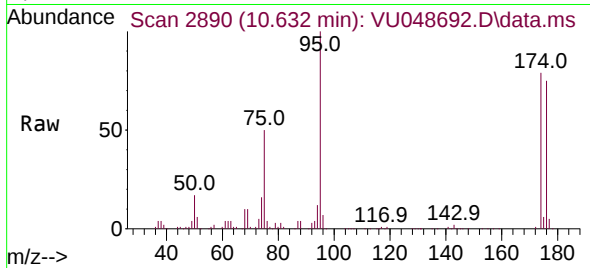




#81
trans-1,4-Dichloro-2-butene
Concen: 53.336 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

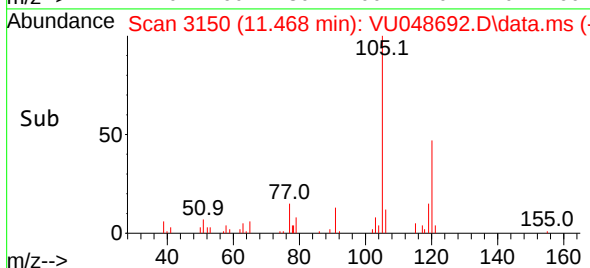
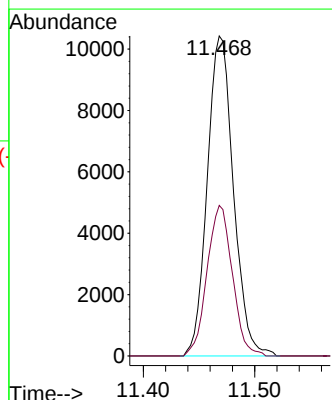
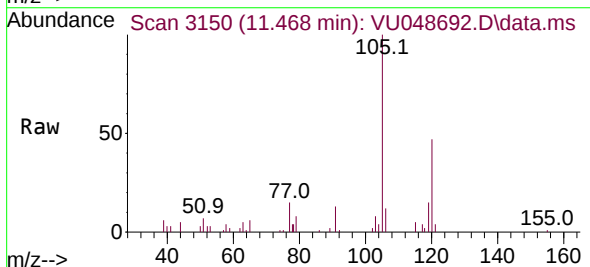
Instrument :
MSVOA_U
ClientSampleId :
MW-13D

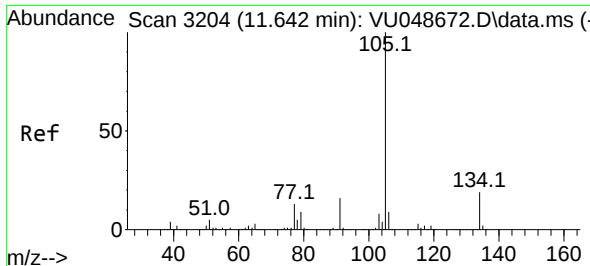
Tgt Ion: 75 Resp: 98747
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.506 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion: 105 Resp: 17047
Ion Ratio Lower Upper
105 100
120 45.5 22.5 67.5

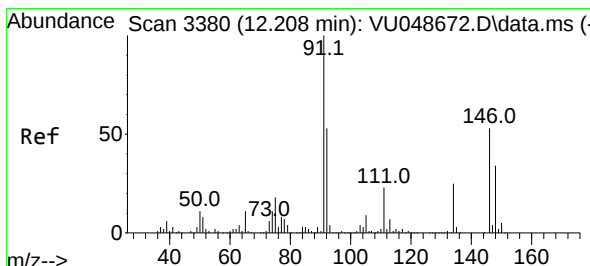
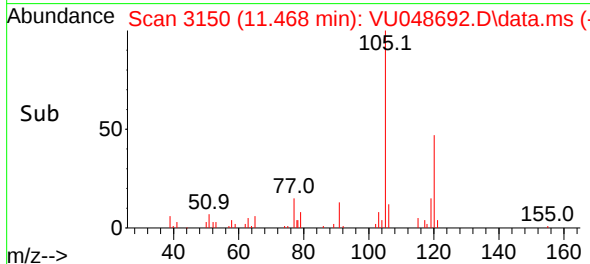
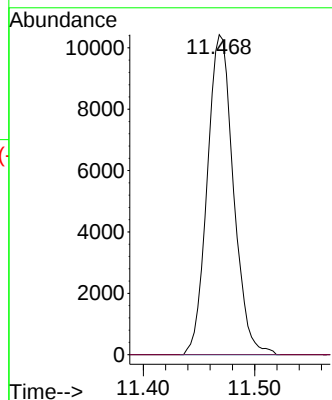
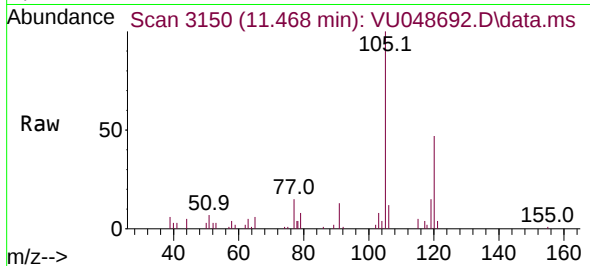




#85
 sec-Butylbenzene
 Concen: 1.213 ug/l
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.174 min
 Lab File: VU048692.D
 Acq: 27 May 2022 14:41

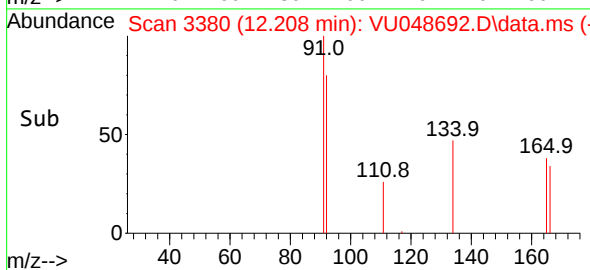
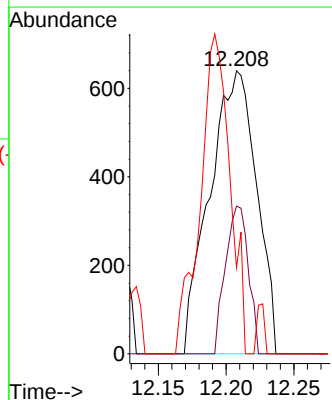
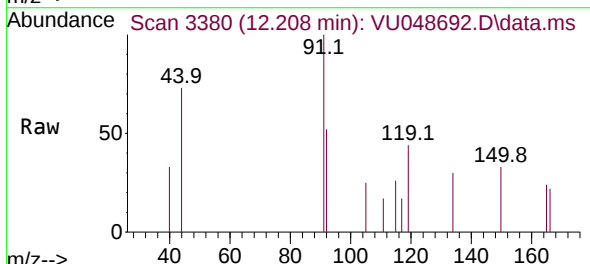
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-13D

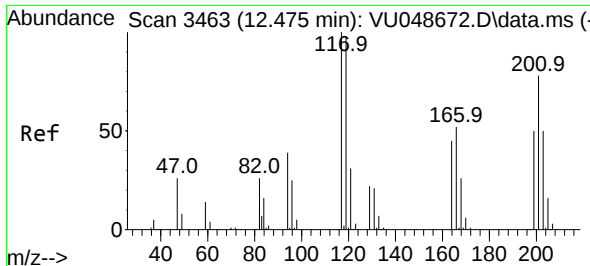
Tgt Ion:105 Resp: 17047
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#89
 n-Butylbenzene
 Concen: 2.307 ug/l
 RT: 12.208 min Scan# 3380
 Delta R.T. -0.000 min
 Lab File: VU048692.D
 Acq: 27 May 2022 14:41

Tgt Ion: 91 Resp: 1540
 Ion Ratio Lower Upper
 91 100
 92 25.3 25.9 77.8#
 134 71.4 12.5 37.5#

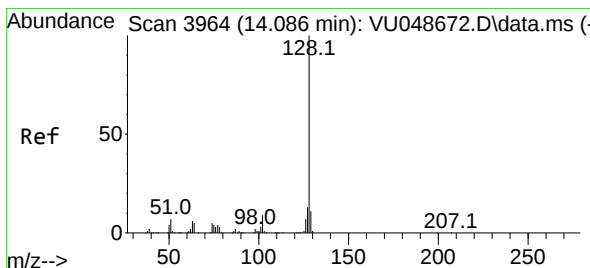
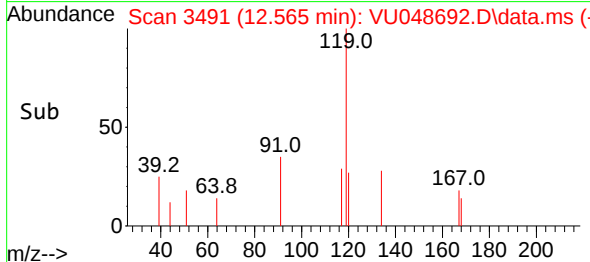
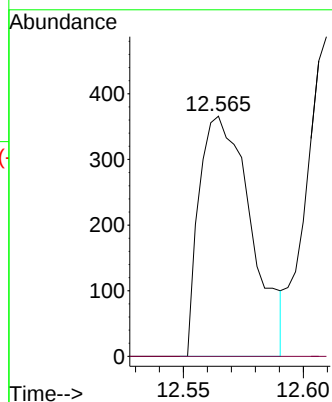
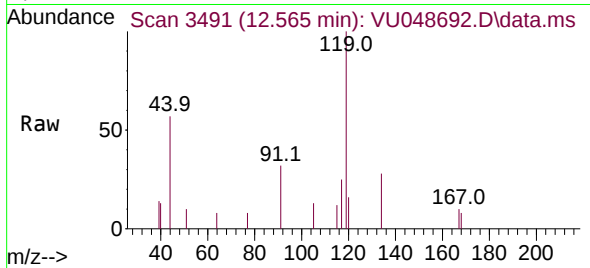




#90
Hexachloroethane
Concen: 0.223 ug/l
RT: 12.565 min Scan# 3463
Delta R.T. 0.090 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Instrument :
MSVOA_U
ClientSampleId :
MW-13D

Tgt Ion:117 Resp: 549
Ion Ratio Lower Upper
117 100
201 0.0 39.6 119.0#



#95
Naphthalene
Concen: 21.019 ug/l
RT: 14.085 min Scan# 3964
Delta R.T. -0.001 min
Lab File: VU048692.D
Acq: 27 May 2022 14:41

Tgt Ion:128 Resp: 319575
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.2 8.7 13.1

