

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
 Data File : VY007102.D
 Acq On : 10 Jan 2022 13:59
 Operator : SY/MD
 Sample : N1065-32
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AMI-8

Quant Time: Jan 11 02:42:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

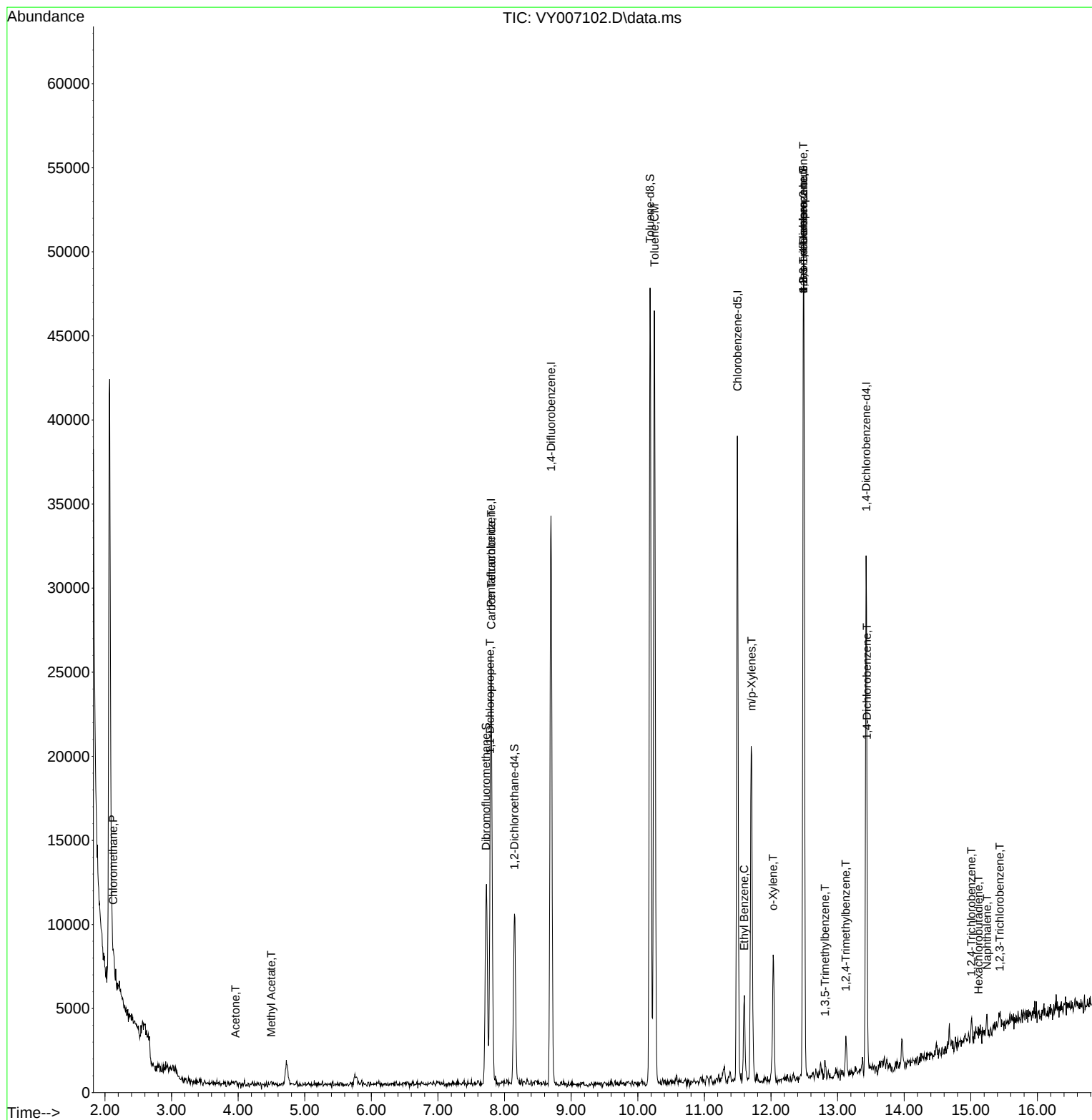
Internal Standards						
1) Pentafluorobenzene	7.795	168	19178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	29847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	20445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8355	36.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.840%
35) Dibromofluoromethane	7.722	113	8777	44.122	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.240%
50) Toluene-d8	10.185	98	33573	45.692	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.380%
62) 4-Bromofluorobenzene	12.483	95	8822	33.291	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.580%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	591	4.258	ug/l #	87
16) Acetone	3.960	43	350	8.131	ug/l #	45
18) Methyl Acetate	4.497	43	209	1.058	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	1612	5.114	ug/l #	42
38) Carbon Tetrachloride	7.801	117	2118	6.431	ug/l #	12
52) Toluene	10.252	92	20325	37.620	ug/l	99
67) Ethyl Benzene	11.599	91	3724	4.506	ug/l	97
68) m/p-Xylenes	11.709	106	6164	19.942	ug/l	98
69) o-Xylene	12.032	106	2007	6.932	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	4817	59.262	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	515	1.033	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.483	75	4817	111.310	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.123	105	1400	2.857	ug/l	90
88) 1,4-Dichlorobenzene	13.440	146	367	1.427	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	359	2.668	ug/l	89
94) Hexachlorobutadiene	15.117	225	78	1.126	ug/l #	18
95) Naphthalene	15.245	128	744	2.637	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.434	180	270	2.379	ug/l #	90

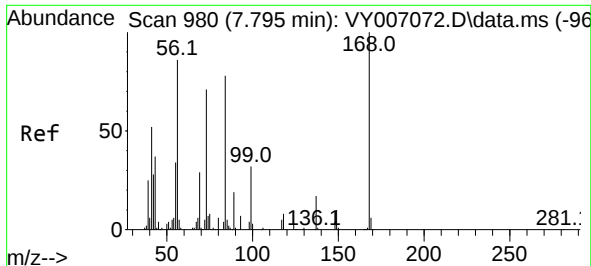
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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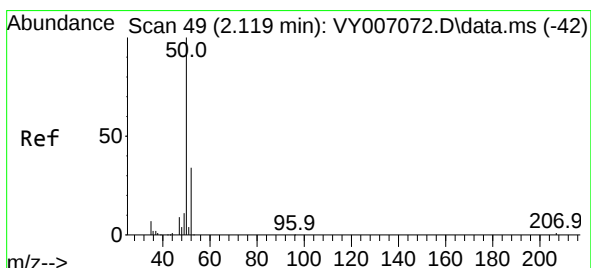
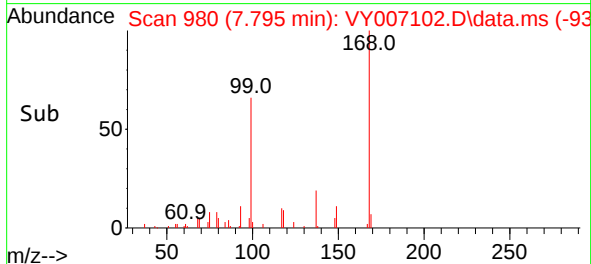
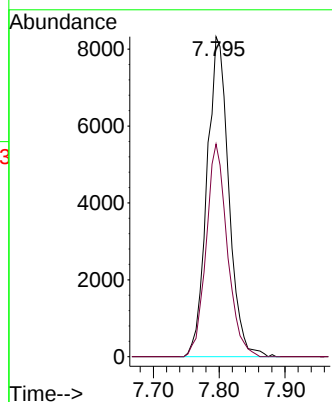
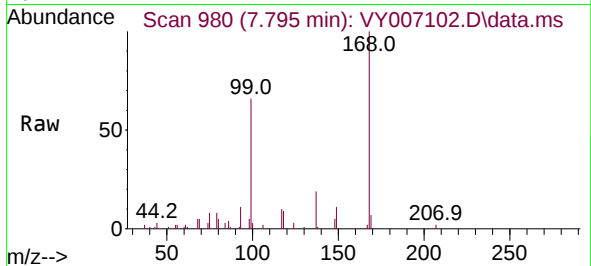




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

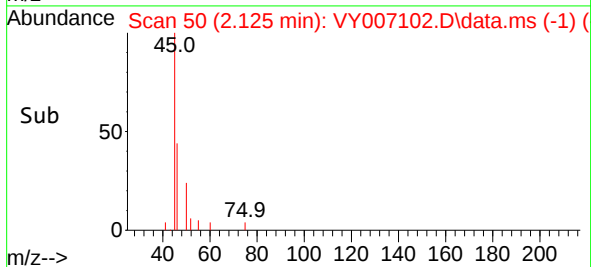
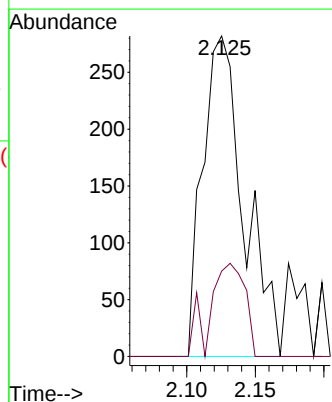
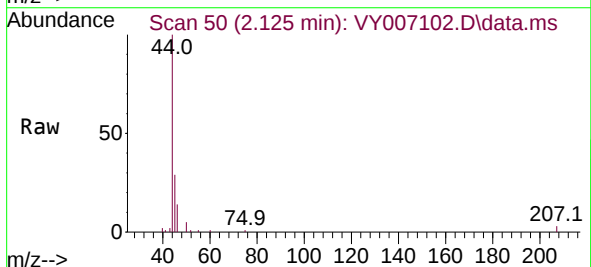
Instrument :
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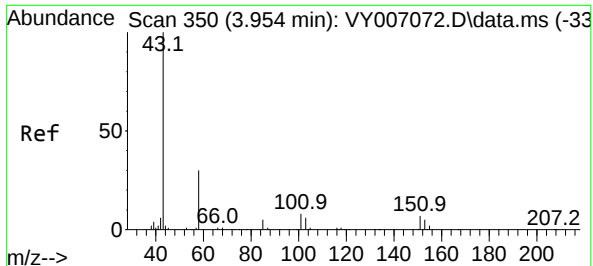
Tgt Ion:168 Resp: 19178
Ion Ratio Lower Upper
168 100
99 66.5 49.1 73.7



#3
Chloromethane
Concen: 4.258 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 50 Resp: 591
Ion Ratio Lower Upper
50 100
52 26.6 27.1 40.7#

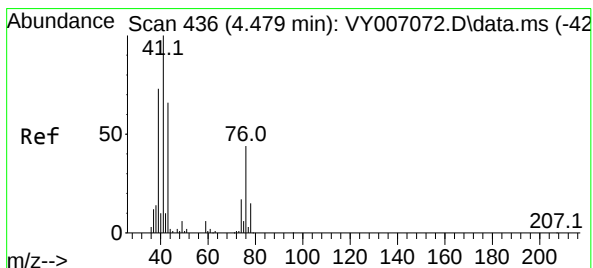
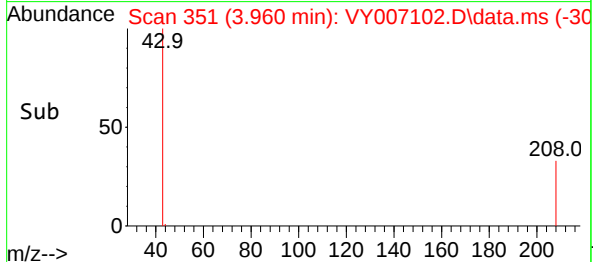
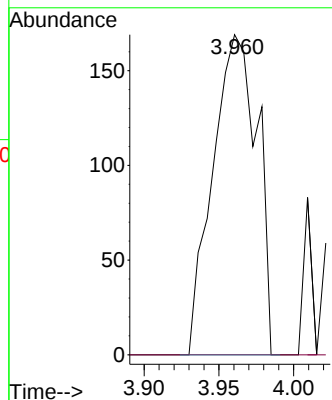
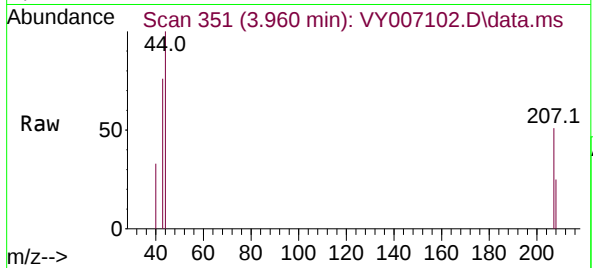




#16
Acetone
Concen: 8.131 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

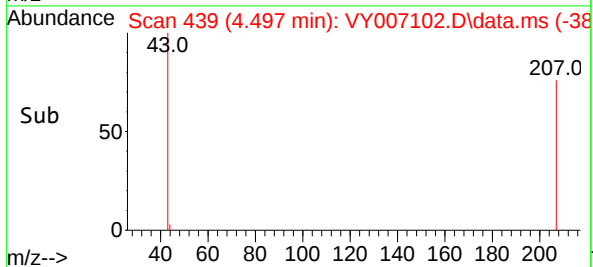
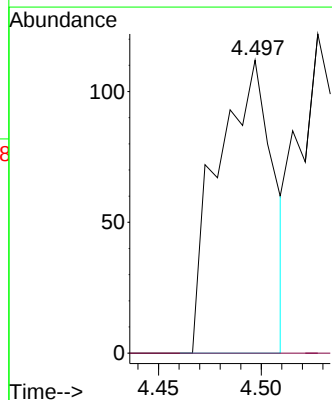
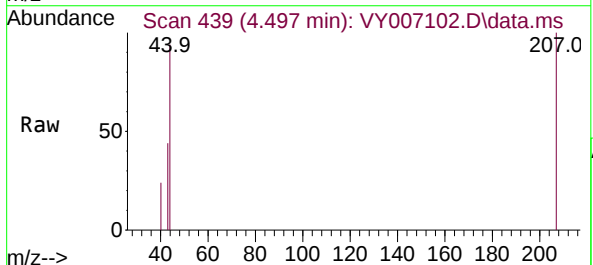
Instrument :
MSVOA_Y
ClientSampleId :
AMI-8

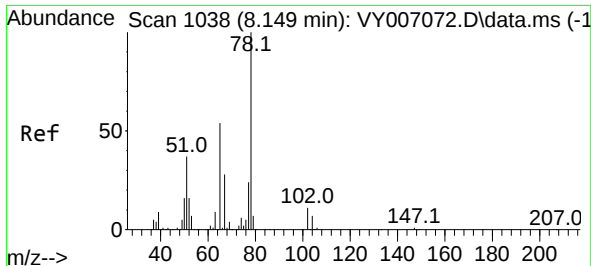
Tgt Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#18
Methyl Acetate
Concen: 1.058 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.018 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#





#33

1,2-Dichloroethane-d4

Concen: 36.416 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

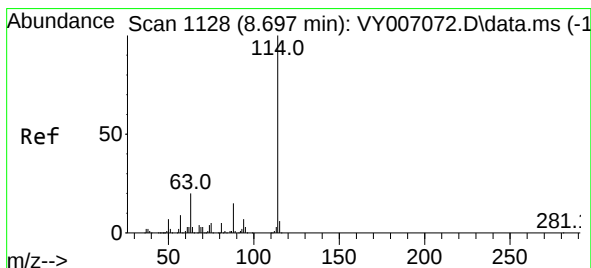
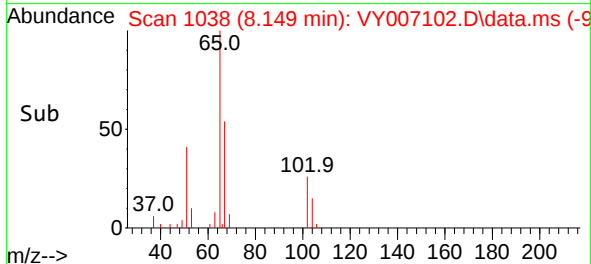
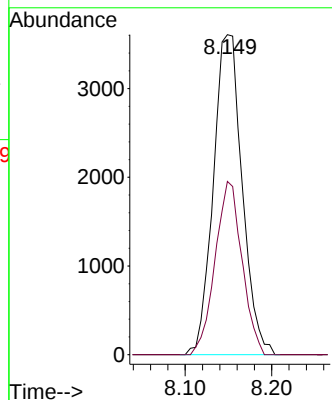
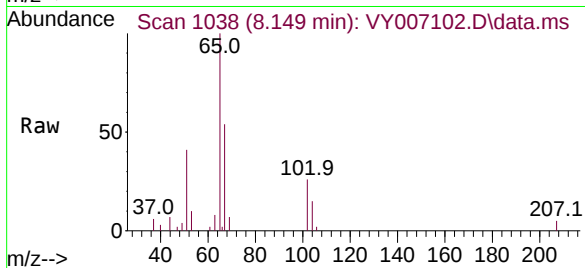
AMI-8

Tgt Ion: 65 Resp: 8355

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

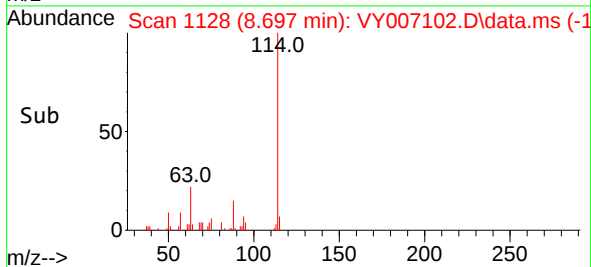
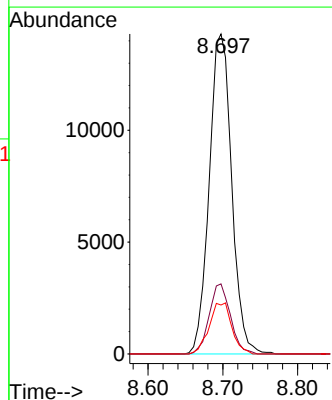
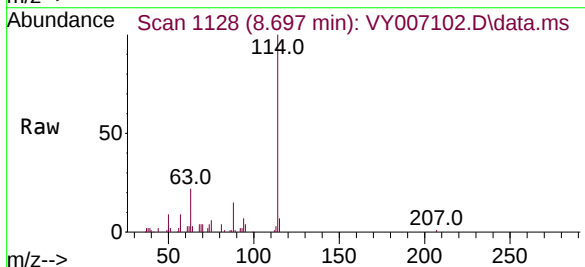
Tgt Ion: 114 Resp: 29847

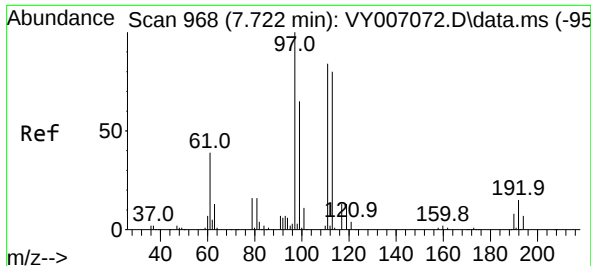
Ion Ratio Lower Upper

114 100

63 21.9 0.0 39.2

88 15.3 0.0 31.0

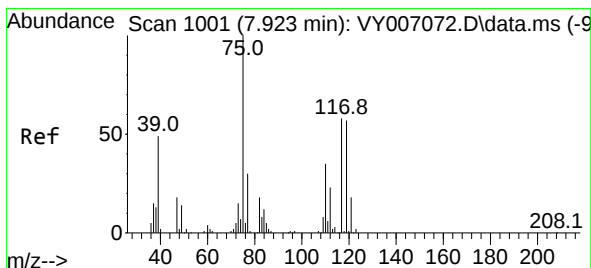
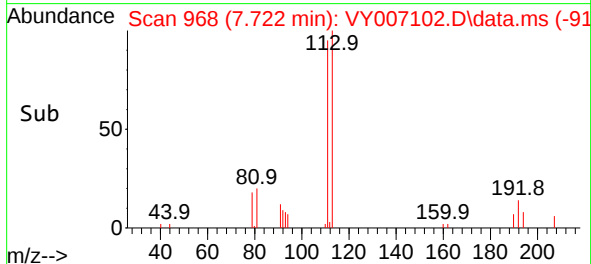
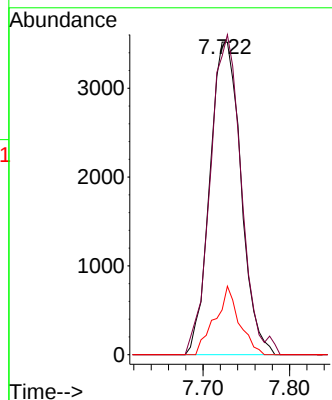
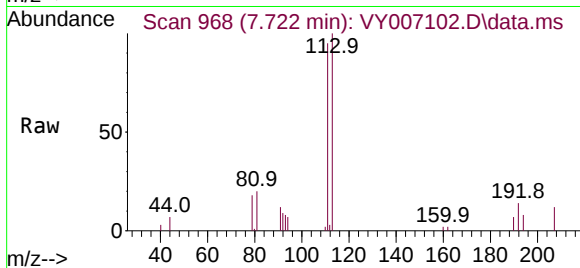




#35
Dibromofluoromethane
Concen: 44.122 ug/l
RT: 7.722 min Scan# 912
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

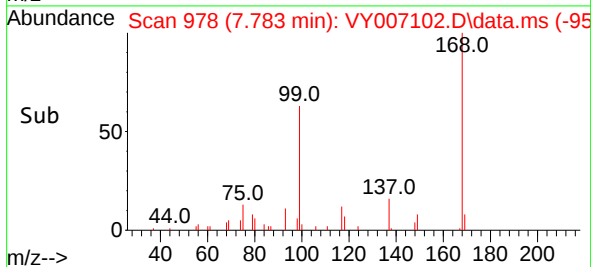
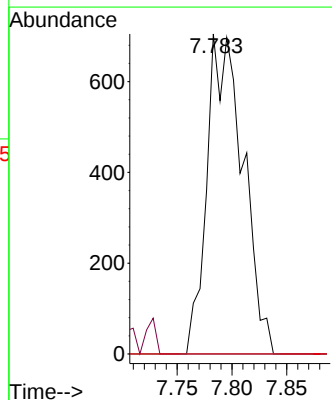
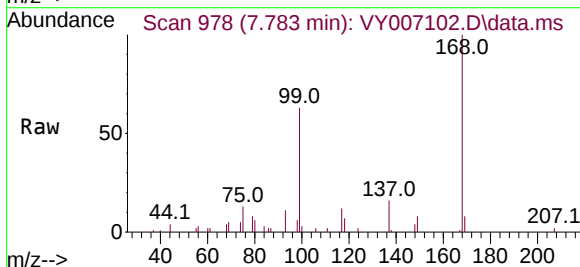
Instrument :
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ClientSampleId :
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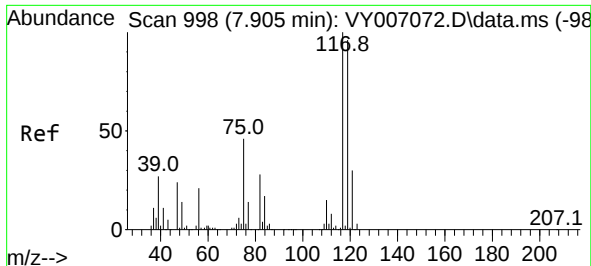
Tgt Ion:113 Resp: 8777
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 17.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 75 Resp: 1612
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.9#
77 0.0 24.7 37.1#

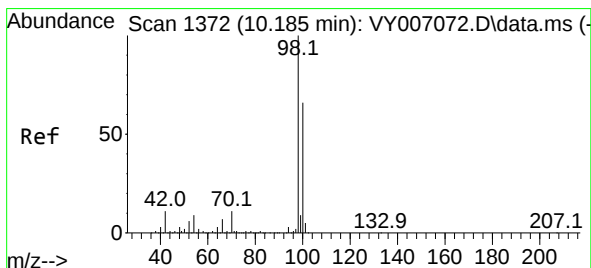
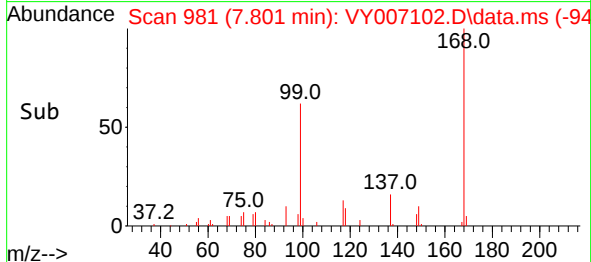
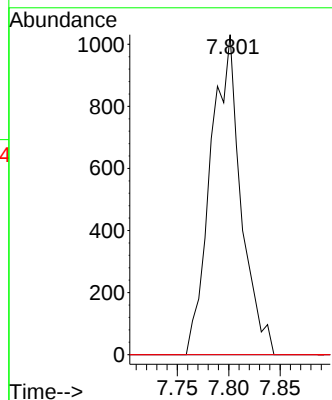
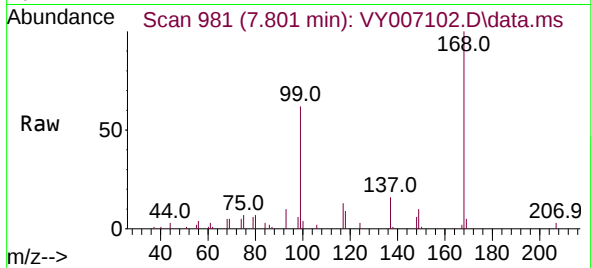




#38
Carbon Tetrachloride
Concen: 6.431 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

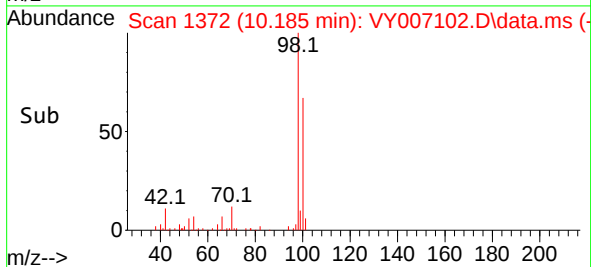
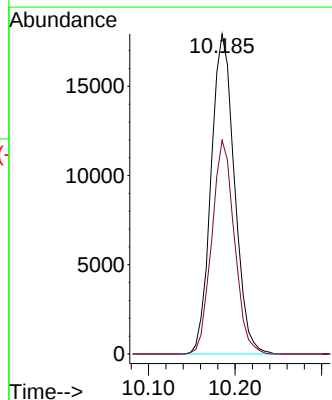
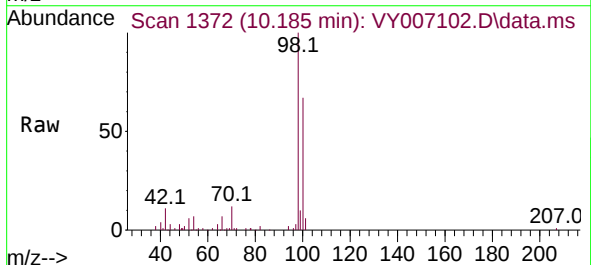
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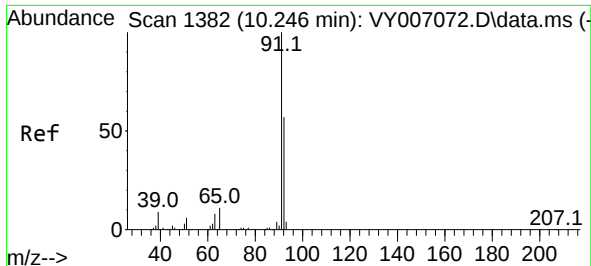
Tgt Ion:117 Resp: 2118
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.692 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 98 Resp: 33573
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

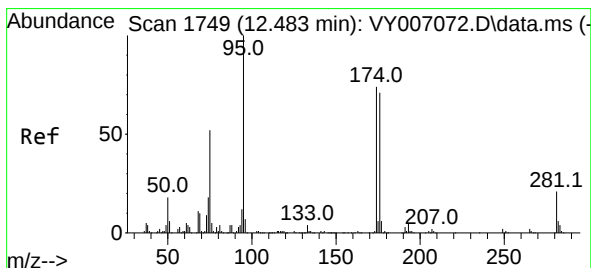
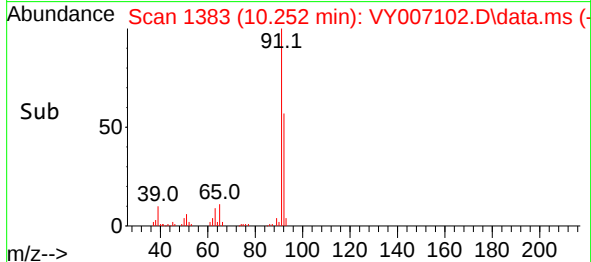
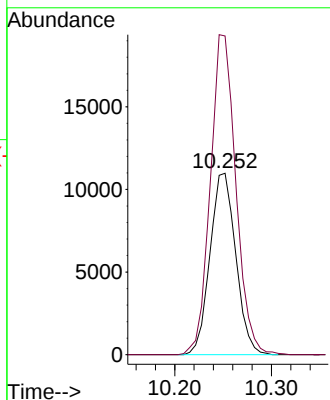
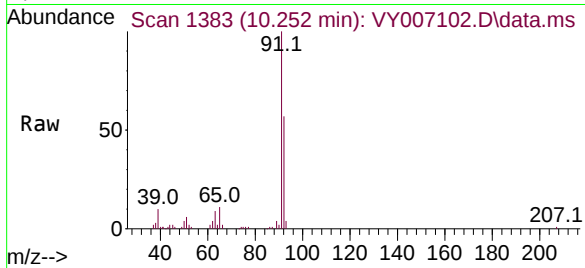




#52
Toluene
Concen: 37.620 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

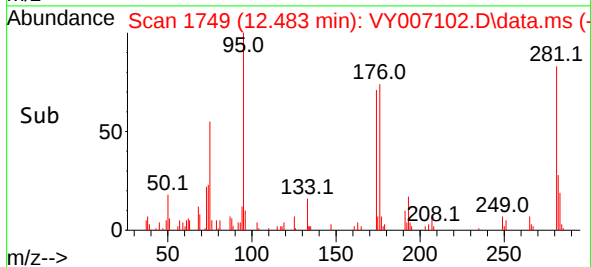
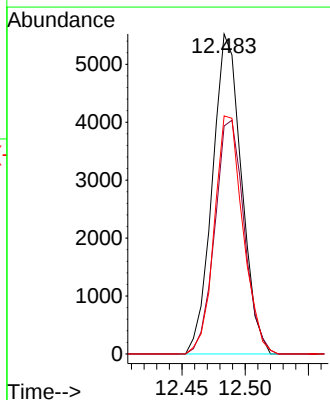
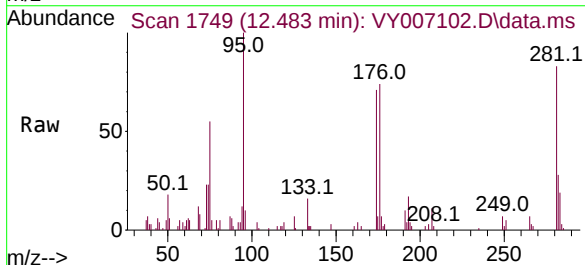
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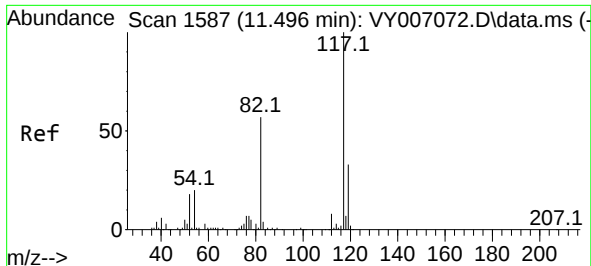
Tgt Ion: 92 Resp: 20325
Ion Ratio Lower Upper
92 100
91 175.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 33.291 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 95 Resp: 8822
Ion Ratio Lower Upper
95 100
174 73.6 0.0 148.4
176 73.1 0.0 146.6

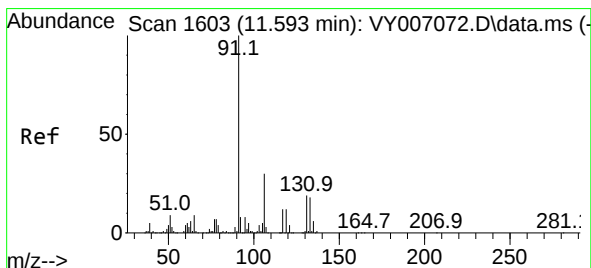
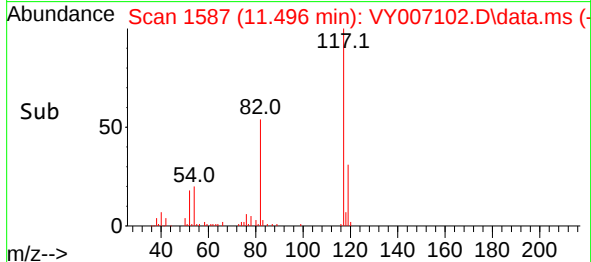
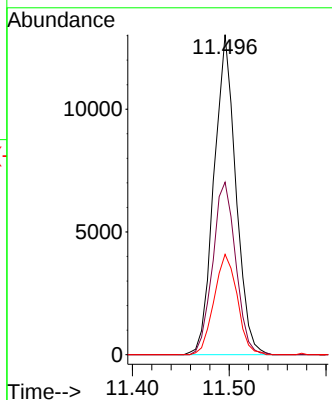
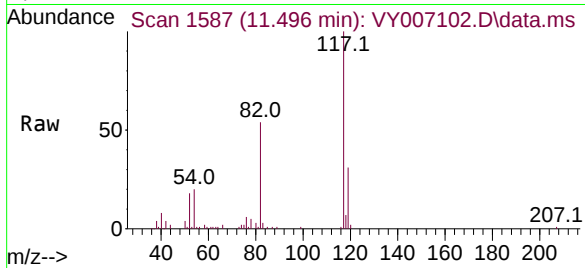




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

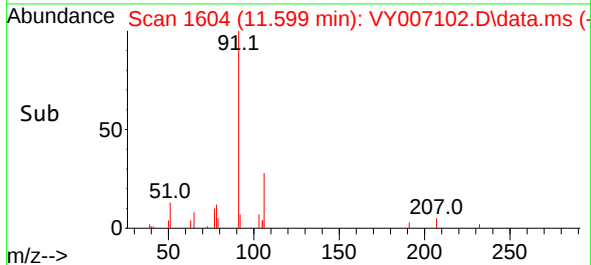
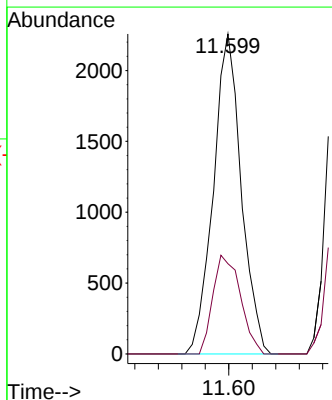
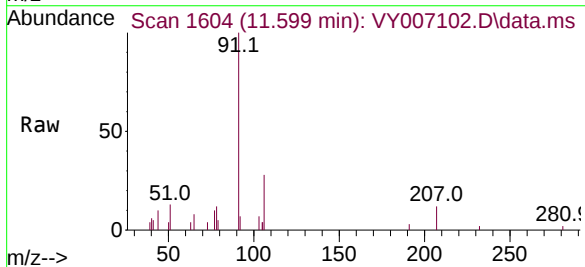
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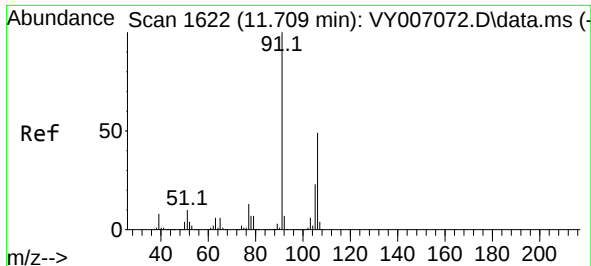
Tgt Ion:117	Resp:	20445
Ion	Ratio	Lower Upper
117	100	
82	53.9	45.4 68.0
119	31.4	26.4 39.6



#67
Ethyl Benzene
Concen: 4.506 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 91	Resp:	3724
Ion	Ratio	Lower Upper
91	100	
106	28.2	23.9 35.9

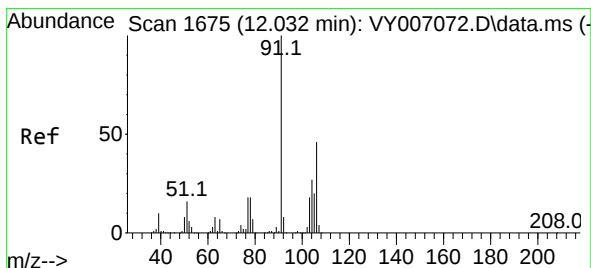
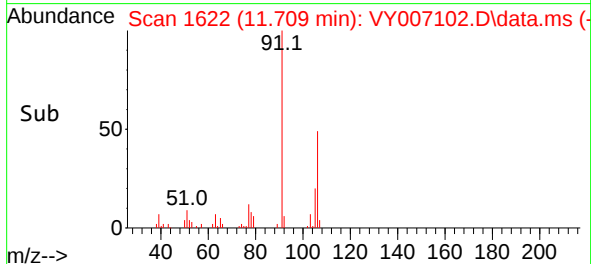
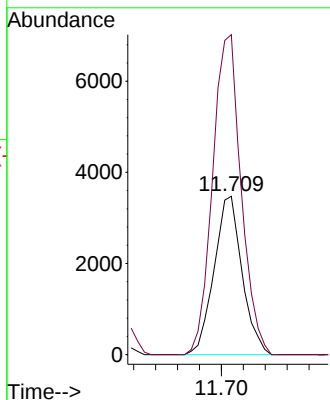
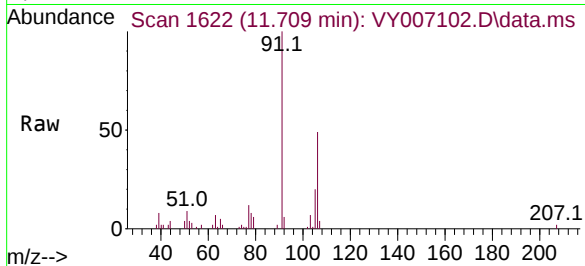




#68
m/p-Xylenes
Concen: 19.942 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

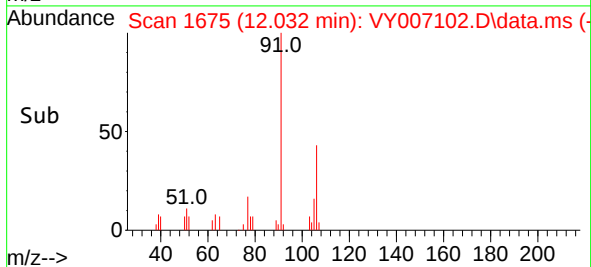
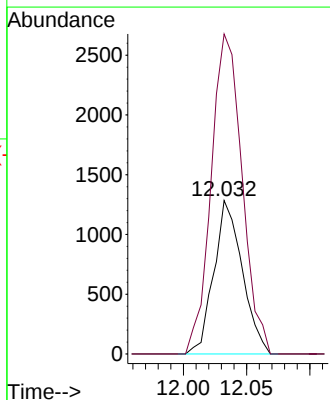
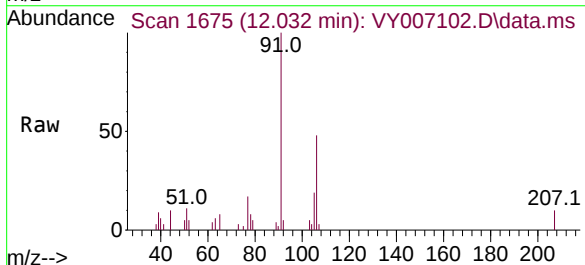
Instrument :
MSVOA_Y
ClientSampleId :
AMI-8

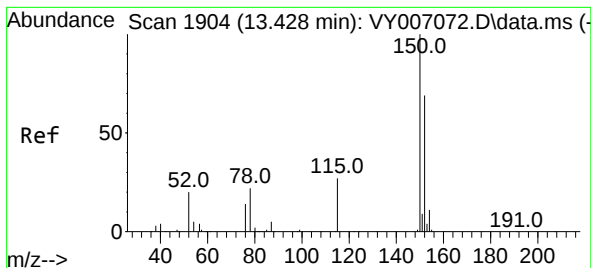
Tgt Ion:106 Resp: 6164
Ion Ratio Lower Upper
106 100
91 206.0 167.1 250.7



#69
o-Xylene
Concen: 6.932 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion:106 Resp: 2007
Ion Ratio Lower Upper
106 100
91 226.9 109.9 329.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

AMI-8

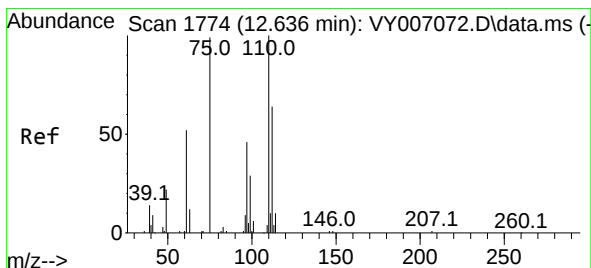
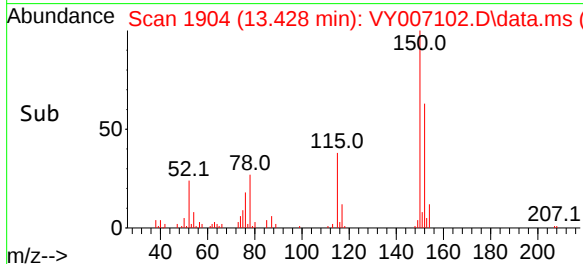
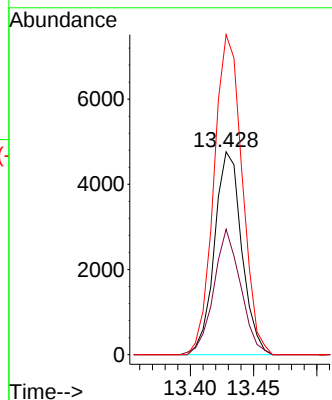
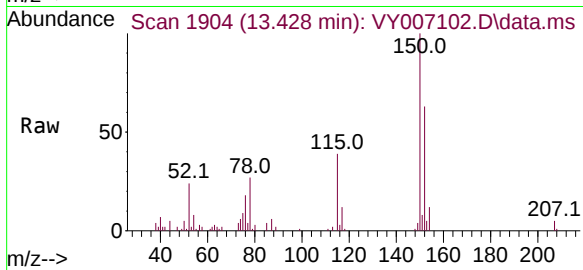
Tgt Ion:152 Resp: 7122

Ion Ratio Lower Upper

152 100

115 61.2 31.4 94.0

150 163.4 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 59.262 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY007102.D

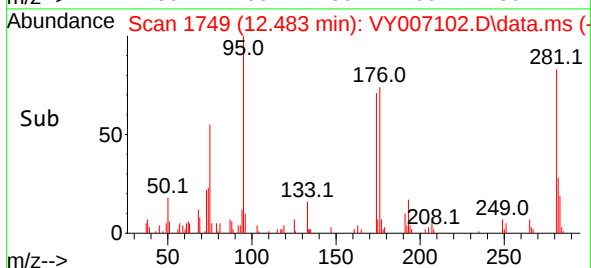
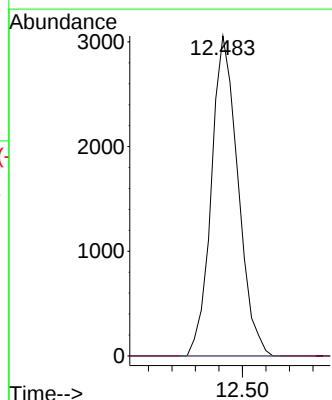
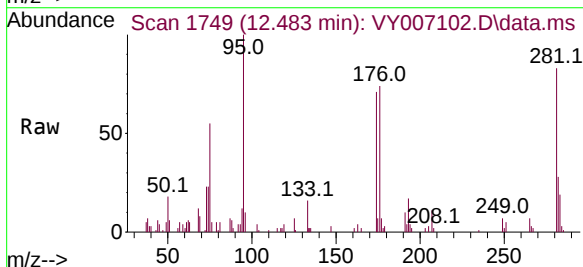
Acq: 10 Jan 2022 13:59

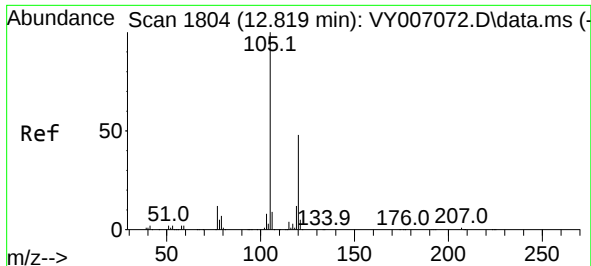
Tgt Ion: 75 Resp: 4817

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

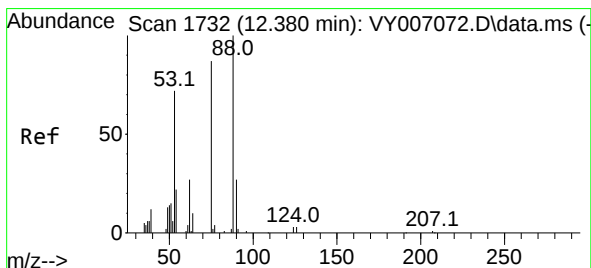
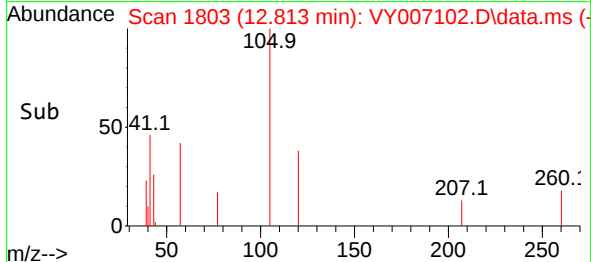
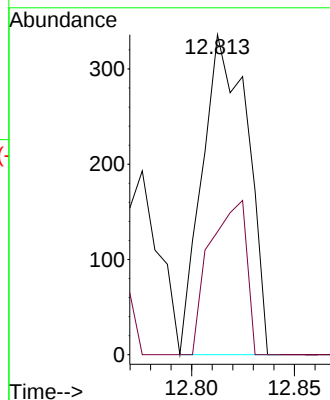
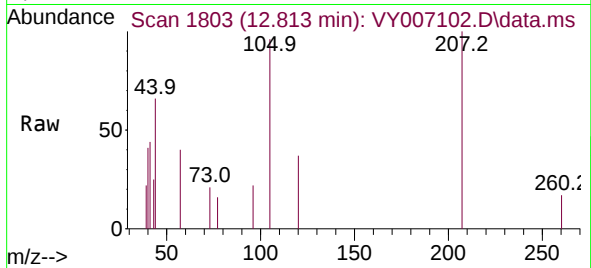




#80
1,3,5-Trimethylbenzene
Concen: 1.033 ug/l
RT: 12.813 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

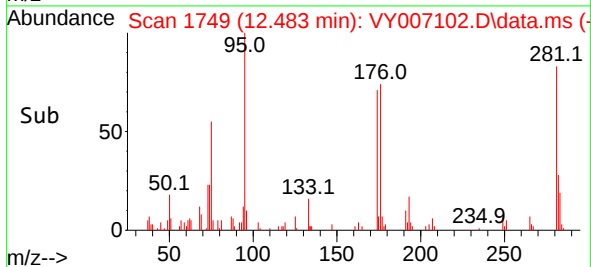
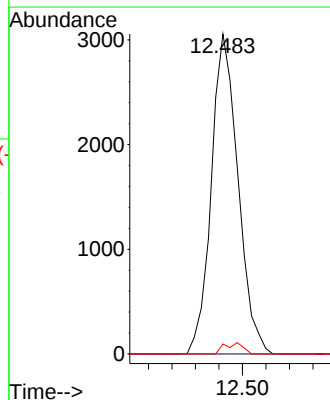
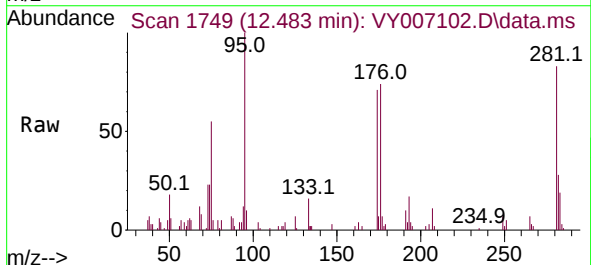
Instrument :
MSVOA_Y
ClientSampleId :
AMI-8

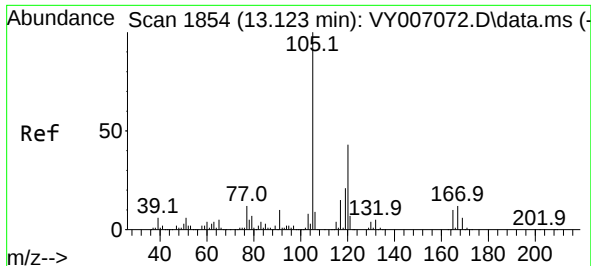
Tgt Ion:105 Resp: 515
Ion Ratio Lower Upper
105 100
120 39.0 23.7 71.1



#81
trans-1,4-Dichloro-2-butene
Concen: 111.310 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007102.D
Acq: 10 Jan 2022 13:59

Tgt Ion: 75 Resp: 4817
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 2.4 0.0 0.0#

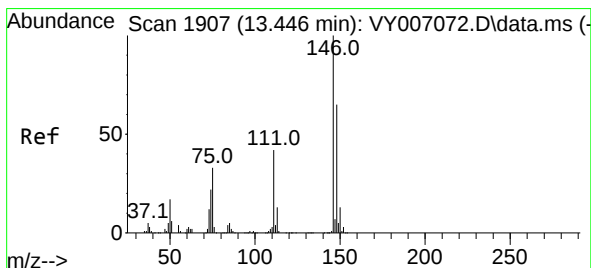
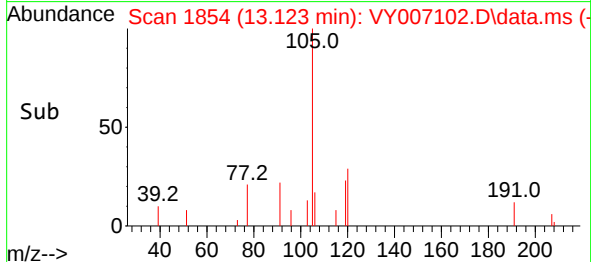
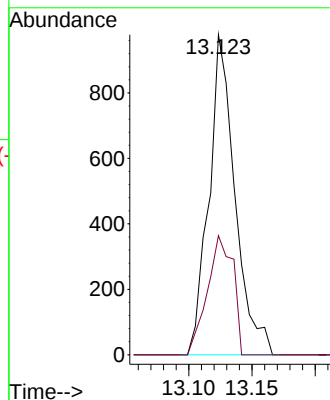
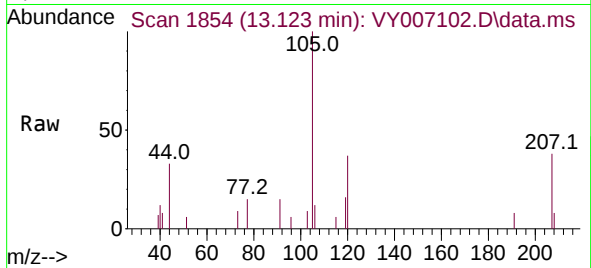




#84
 1,2,4-Trimethylbenzene
 Concen: 2.857 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY007102.D
 Acq: 10 Jan 2022 13:59

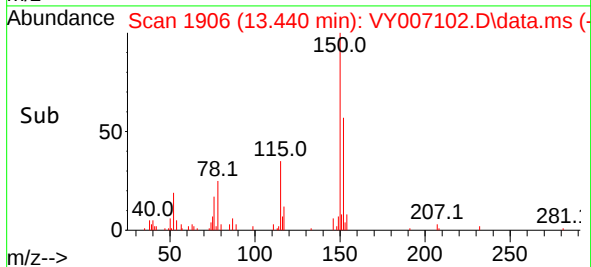
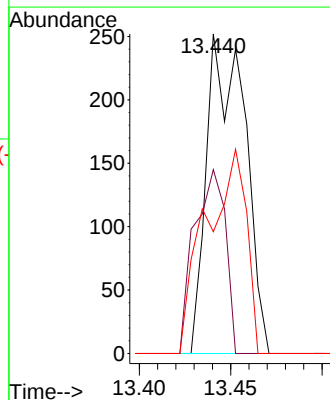
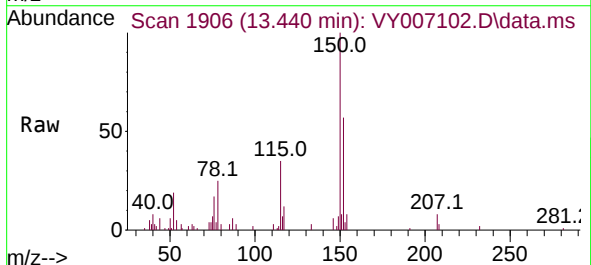
Instrument :
 MSVOA_Y
 ClientSampleId :
 AMI-8

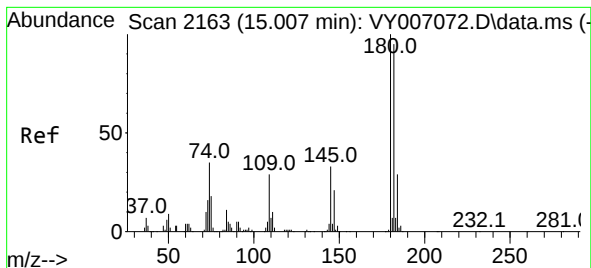
Tgt Ion:105 Resp: 1400
 Ion Ratio Lower Upper
 105 100
 120 36.6 21.6 64.6



#88
 1,4-Dichlorobenzene
 Concen: 1.427 ug/l
 RT: 13.440 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY007102.D
 Acq: 10 Jan 2022 13:59

Tgt Ion:146 Resp: 367
 Ion Ratio Lower Upper
 146 100
 111 46.6 20.7 62.1
 148 67.3 32.0 96.2





#93

1,2,4-Trichlorobenzene

Concen: 2.668 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

AMI-8

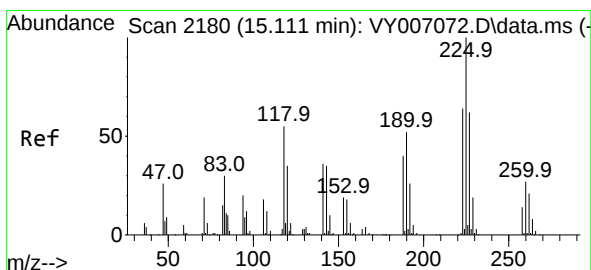
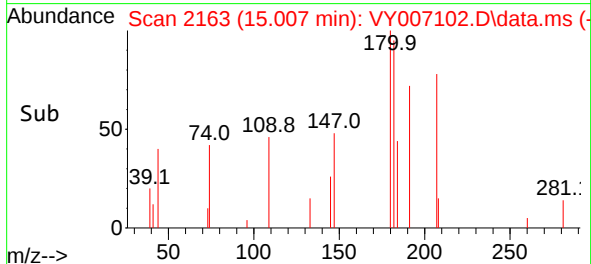
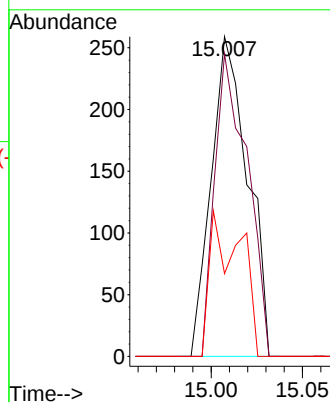
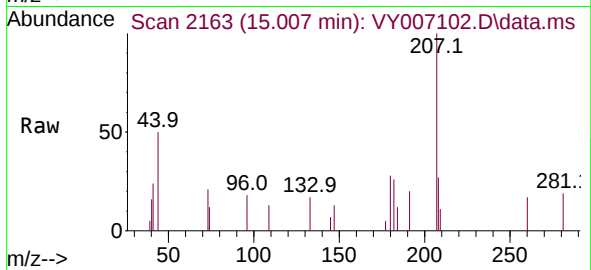
Tgt Ion:180 Resp: 359

Ion Ratio Lower Upper

180 100

182 84.4 47.6 142.8

145 38.2 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.126 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

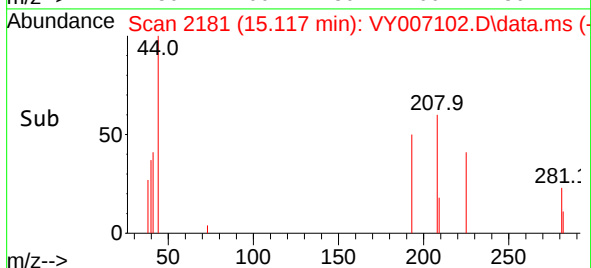
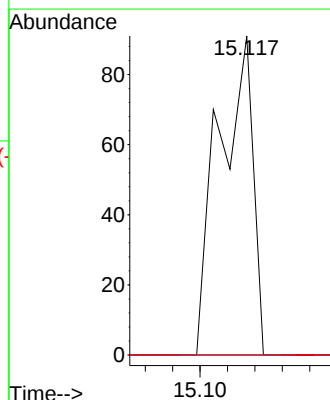
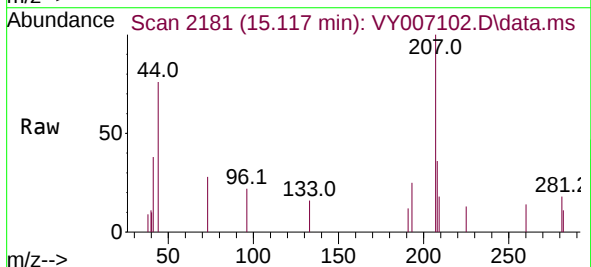
Tgt Ion:225 Resp: 78

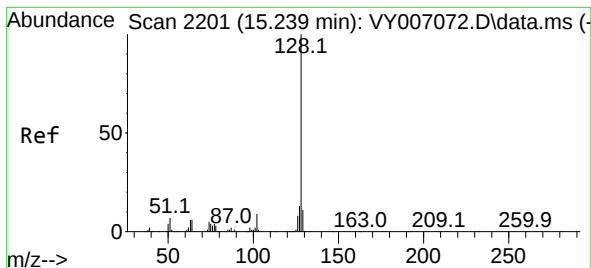
Ion Ratio Lower Upper

225 100

223 0.0 32.6 97.8#

227 0.0 32.0 96.2#





#95

Naphthalene

Concen: 2.637 ug/l

RT: 15.245 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

AMI-8

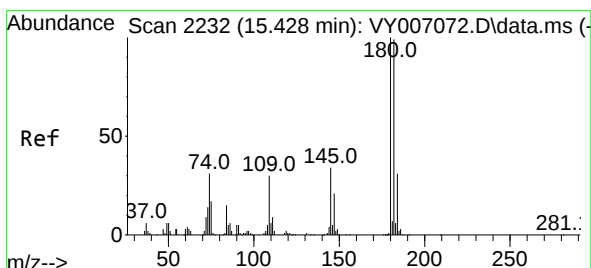
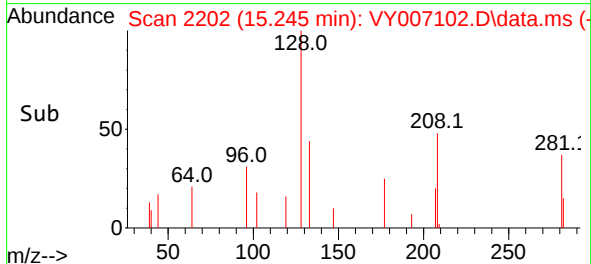
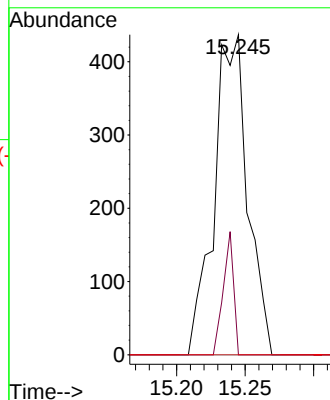
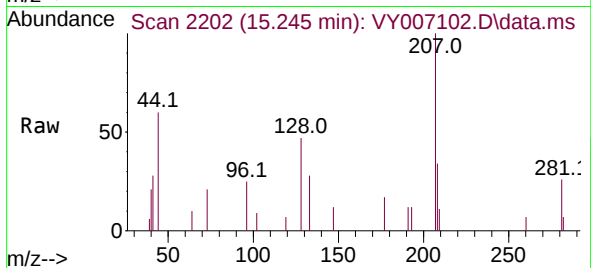
Tgt Ion:128 Resp: 744

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

129 0.0 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 2.379 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY007102.D

Acq: 10 Jan 2022 13:59

Tgt Ion:180 Resp: 270

Ion Ratio Lower Upper

180 100

182 94.4 47.3 141.8

145 12.6 17.2 51.5#

