

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
 Data File : VY007103.D
 Acq On : 10 Jan 2022 14:23
 Operator : SY/MD
 Sample : N1065-40
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AMI-10

Quant Time: Jan 11 02:42:36 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	7.801	168	22823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	36645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	28033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10590	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	10767	39.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.860%
35) Dibromofluoromethane	7.728	113	10768	44.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.180%
50) Toluene-d8	10.185	98	41250	45.725	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.460%
62) 4-Bromofluorobenzene	12.483	95	12511	38.453	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.900%

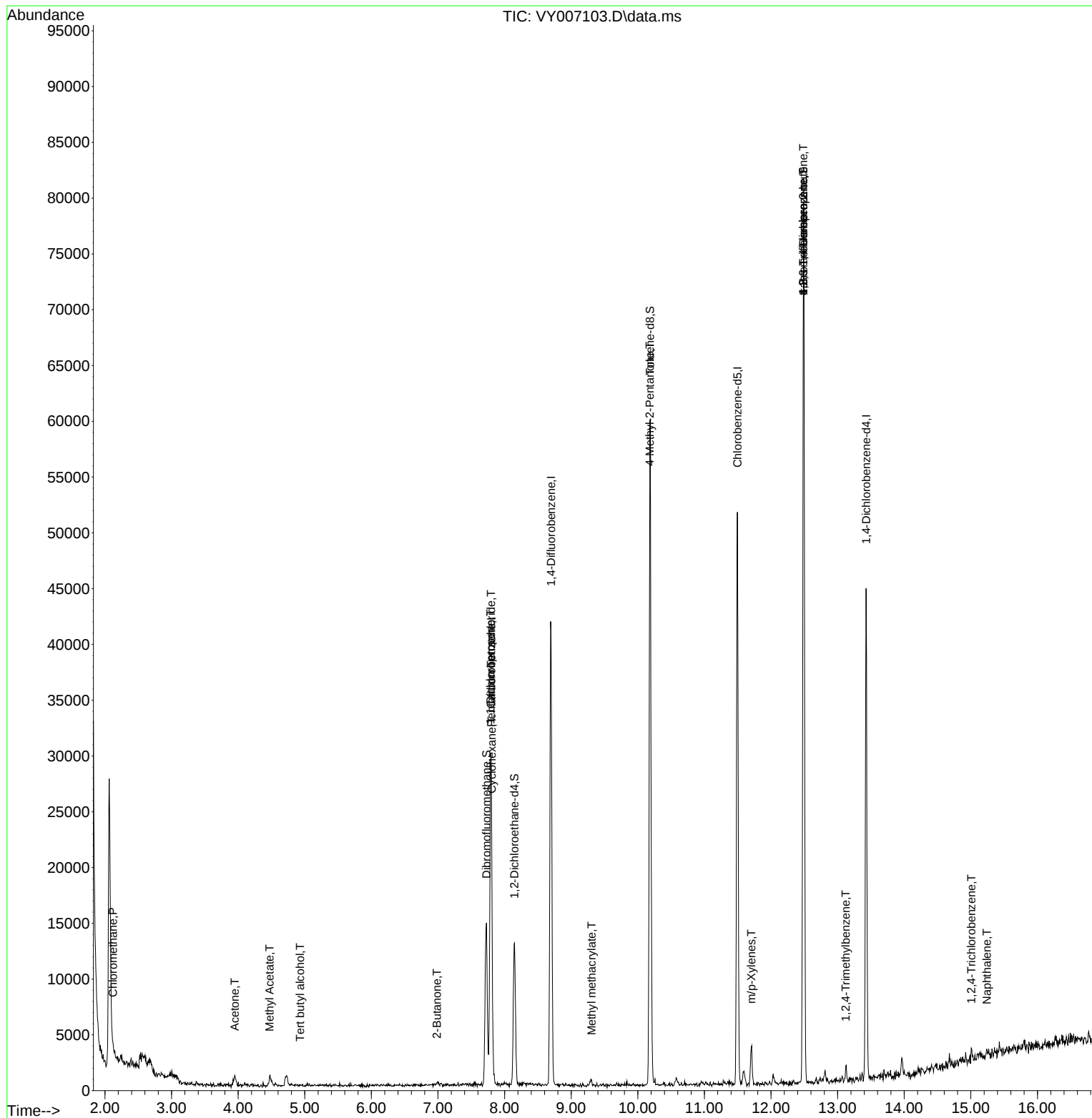
Target Compounds			Qvalue			
3) Chloromethane	2.119	50	401	2.428	ug/l #	70
11) Tert butyl alcohol	4.930	59	29	1.332	ug/l #	73
16) Acetone	3.948	43	1380	26.939	ug/l	92
18) Methyl Acetate	4.472	43	1513	6.439	ug/l #	83
20) Methylene Chloride	4.729	84	720	Below Cal	#	77
25) 2-Butanone	6.984	43	119	1.503	ug/l #	47
31) Cyclohexane	7.807	56	478	1.017	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	1938	5.008	ug/l #	42
38) Carbon Tetrachloride	7.795	117	2467	6.101	ug/l #	12
48) Methyl methacrylate	9.307	41	453	2.734	ug/l #	84
51) 4-Methyl-2-Pentanone	10.179	43	203	1.121	ug/l #	1
68) m/p-Xylenes	11.703	106	1070	2.525	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	7355	60.854	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7355	114.300	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.123	105	877	1.204	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	318	1.589	ug/l	77
95) Naphthalene	15.239	128	591	1.409	ug/l #	69

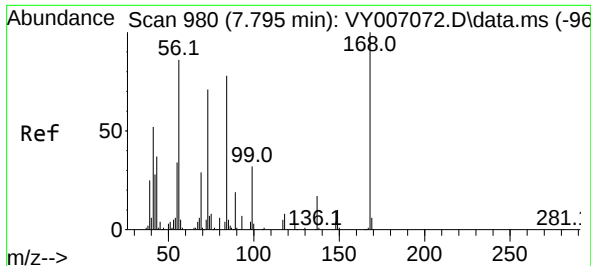
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

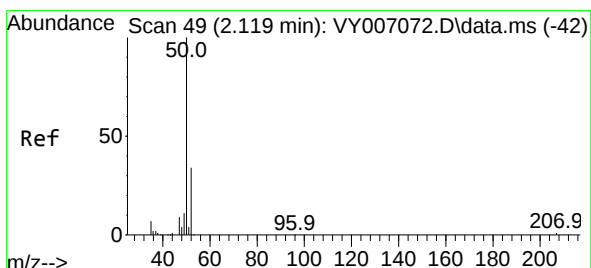
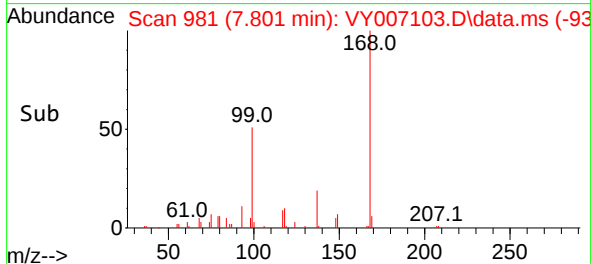
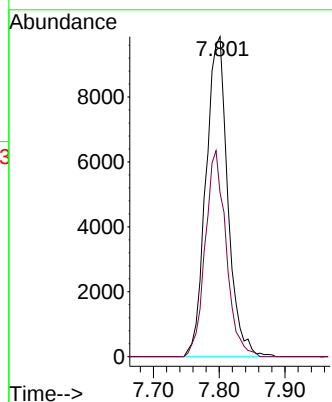
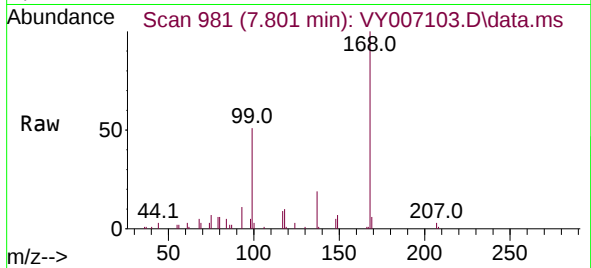




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

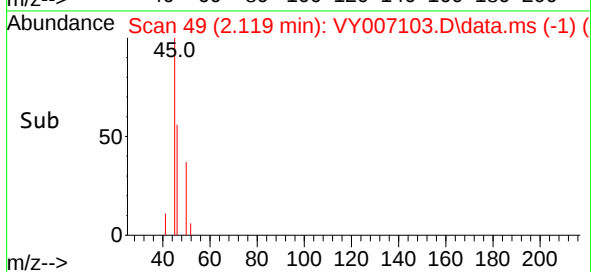
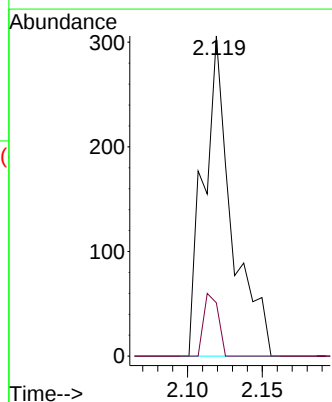
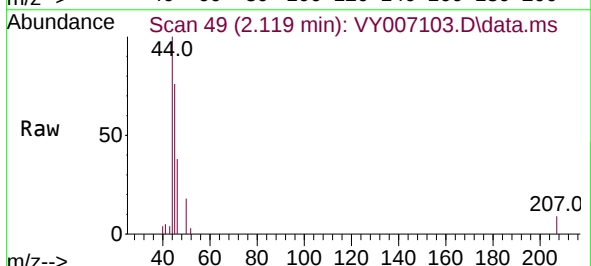
Instrument :
MSVOA_Y
ClientSampleId :
AMI-10

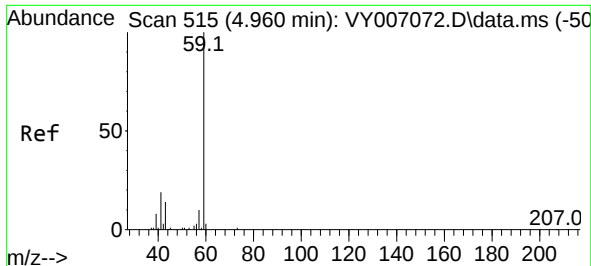
Tgt Ion:168 Resp: 22823
Ion Ratio Lower Upper
168 100
99 51.2 49.1 73.7



#3
Chloromethane
Concen: 2.428 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 16.7 27.1 40.7#





#11

Tert butyl alcohol

Concen: 1.332 ug/l

RT: 4.930 min Scan# 51

Delta R.T. -0.030 min

Lab File: VY007103.D

Acq: 10 Jan 2022 14:23

Instrument :

MSVOA_Y

ClientSampleId :

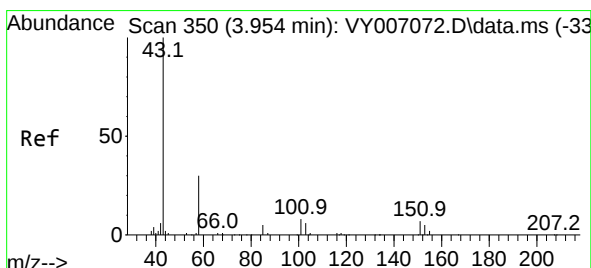
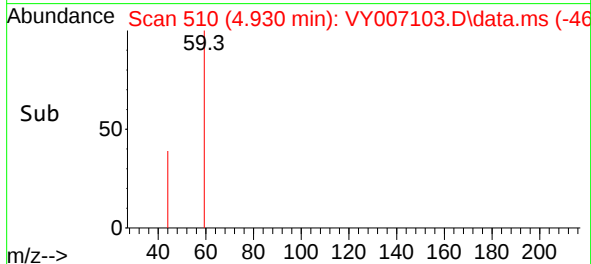
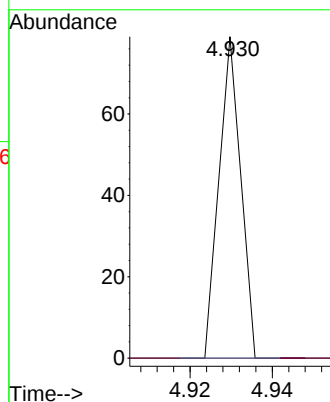
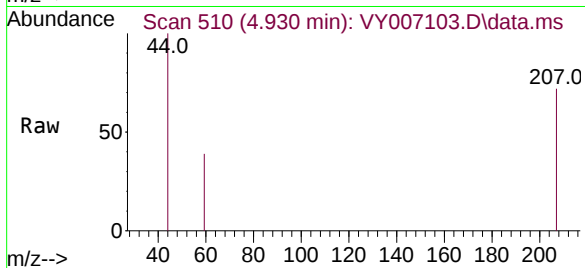
AMI-10

Tgt Ion: 59 Resp: 29

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 26.939 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY007103.D

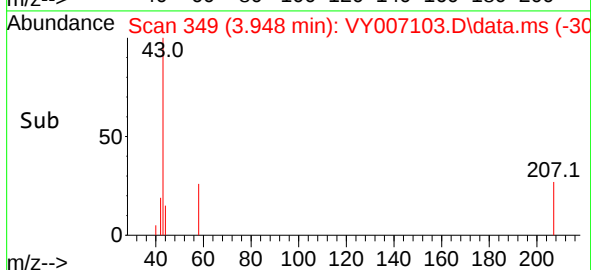
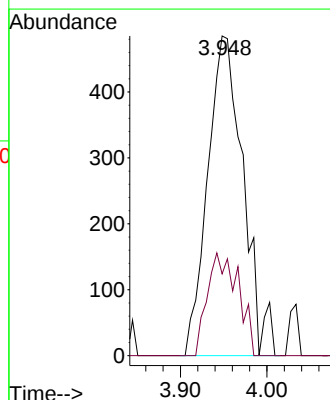
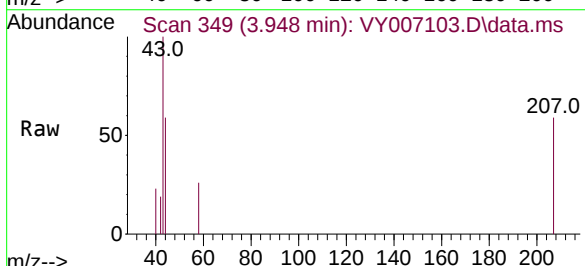
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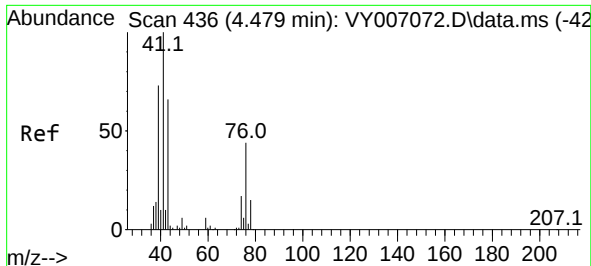
Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

58 25.6 23.8 35.6

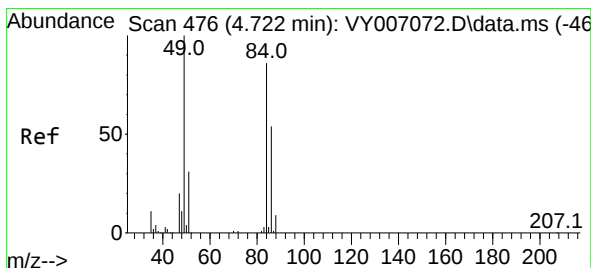
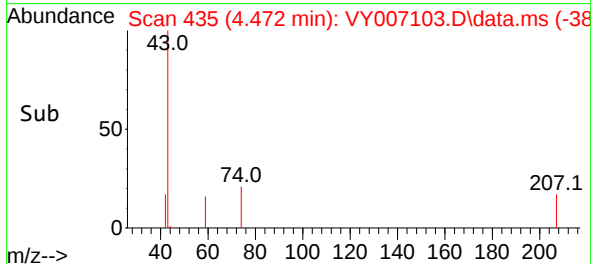
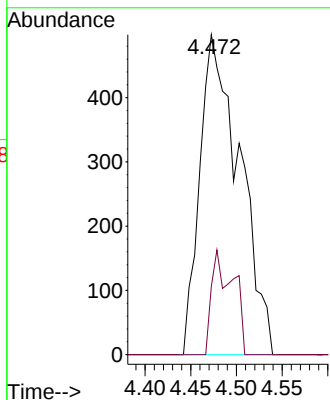
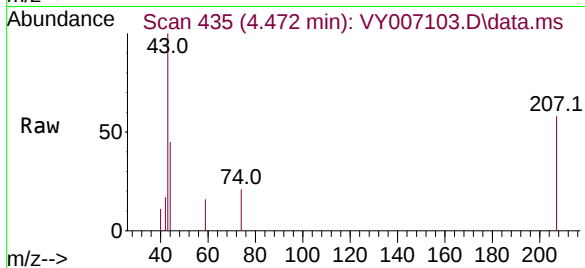




#18
Methyl Acetate
Concen: 6.439 ug/l
RT: 4.472 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

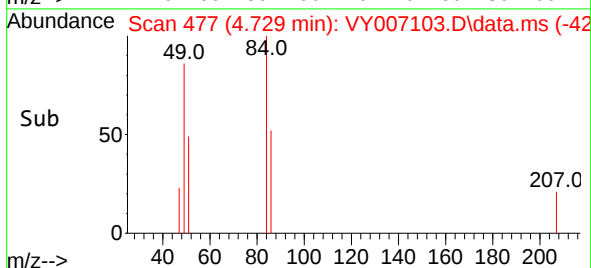
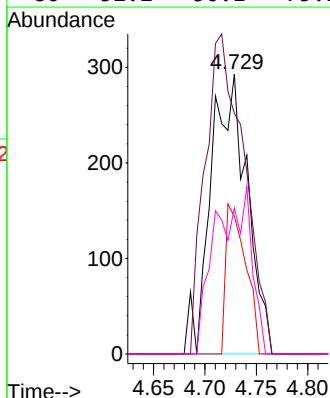
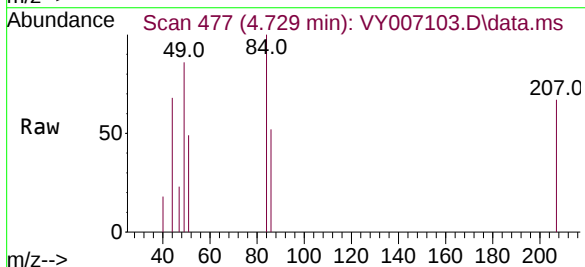
Instrument :
MSVOA_Y
ClientSampleId :
AMI-10

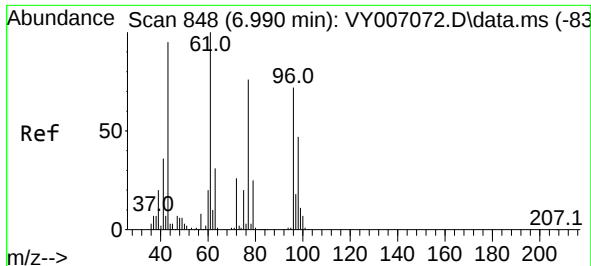
Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
74 17.4 20.9 31.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

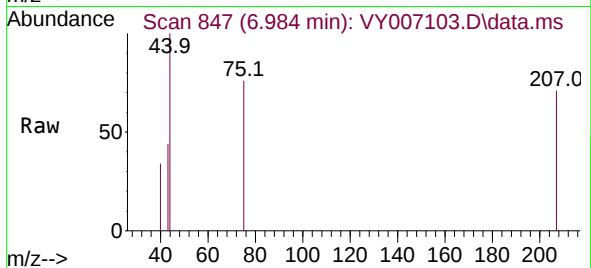
Tgt Ion: 84 Resp: 720
Ion Ratio Lower Upper
84 100
49 86.0 92.6 139.0#
51 49.1 28.6 42.8#
86 52.2 50.1 75.1



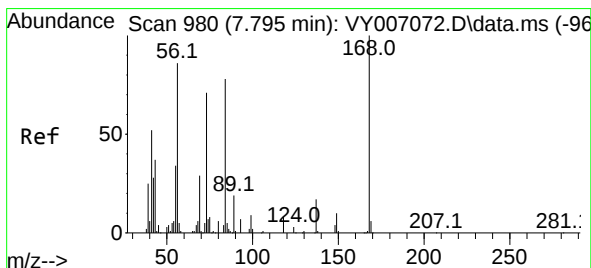
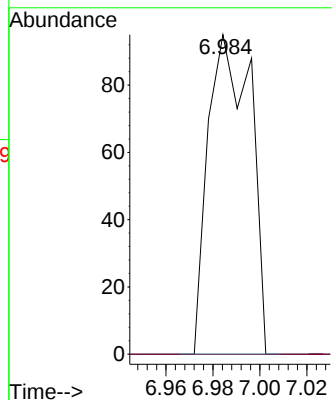
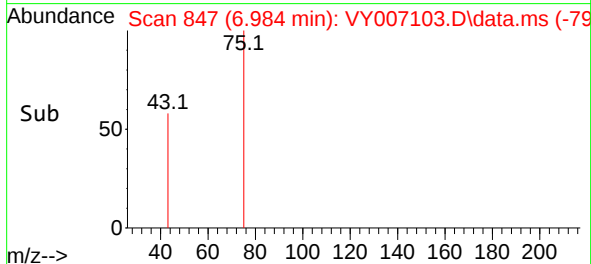


#25
2-Butanone
Concen: 1.503 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

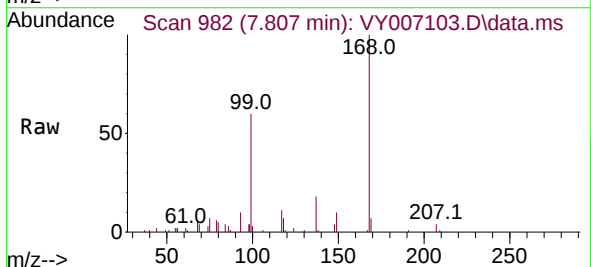
Instrument :
MSVOA_Y
ClientSampleId :
AMI-10



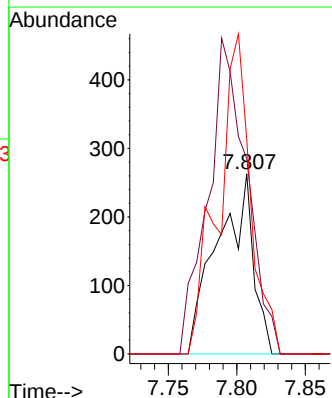
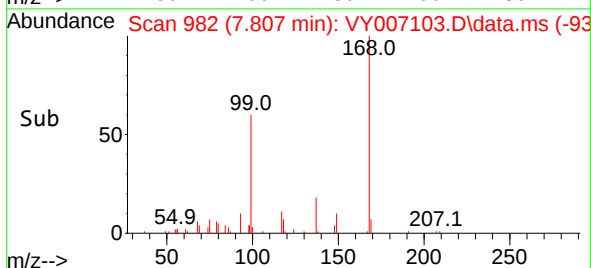
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

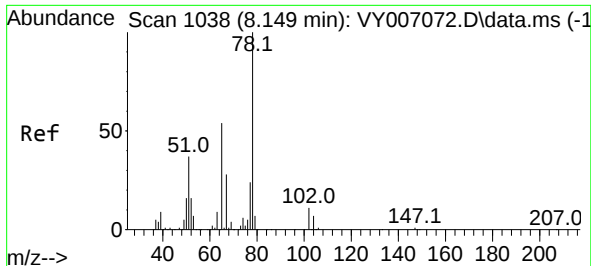


#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23



Tgt Ion: 56 Resp: 478
Ion Ratio Lower Upper
56 100
69 108.4 27.2 40.8#
84 119.0 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 39.434 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY007103.D

Acq: 10 Jan 2022 14:23

Instrument :

MSVOA_Y

ClientSampleId :

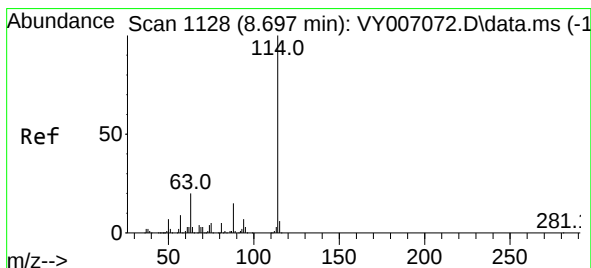
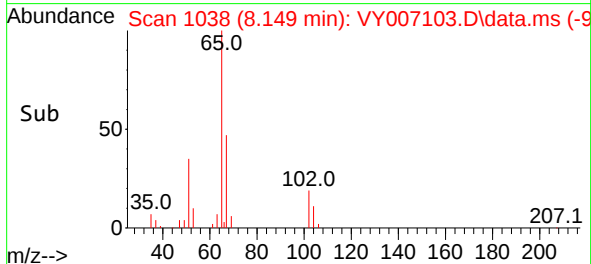
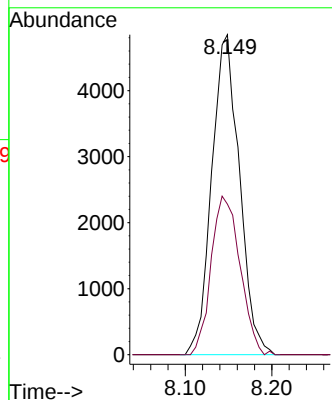
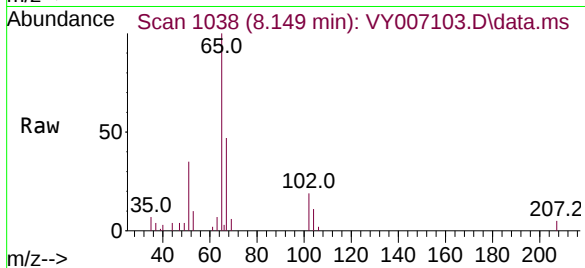
AMI-10

Tgt Ion: 65 Resp: 10767

Ion Ratio Lower Upper

65 100

67 51.7 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: VY007103.D

Acq: 10 Jan 2022 14:23

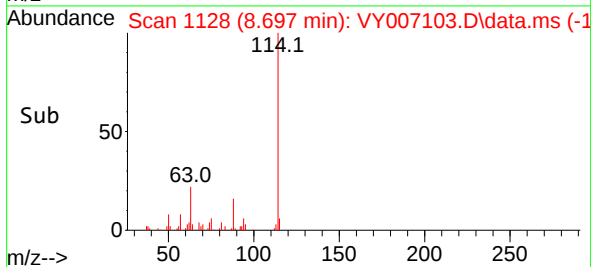
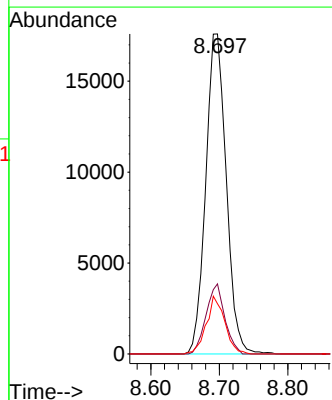
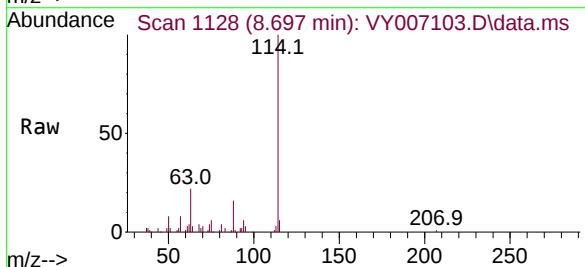
Tgt Ion: 114 Resp: 36645

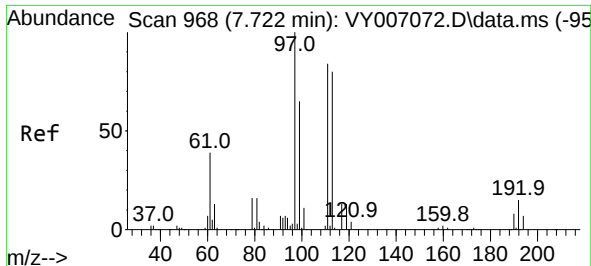
Ion Ratio Lower Upper

114 100

63 21.9 0.0 39.2

88 15.7 0.0 31.0

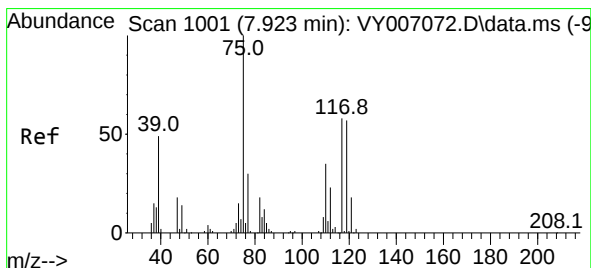
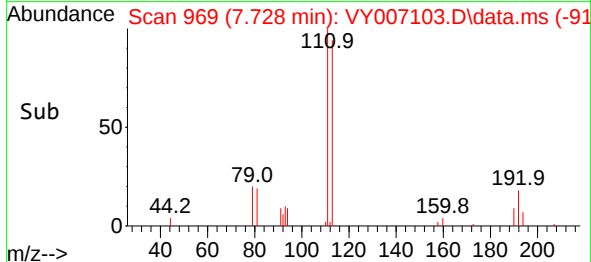
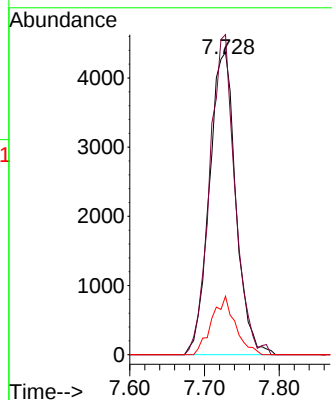
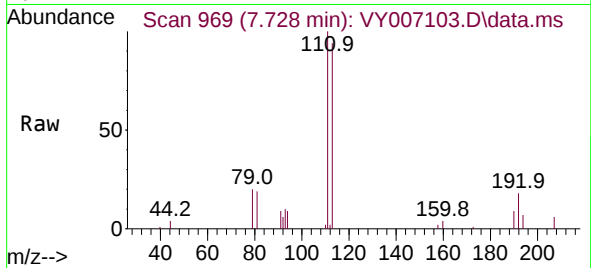




#35
Dibromofluoromethane
Concen: 44.089 ug/l
RT: 7.728 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

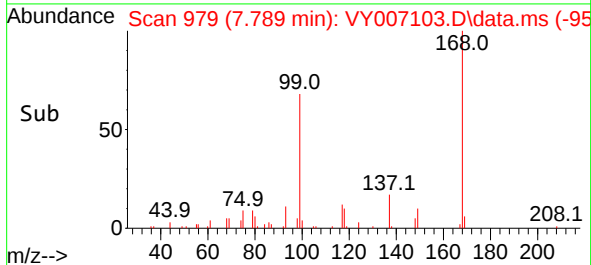
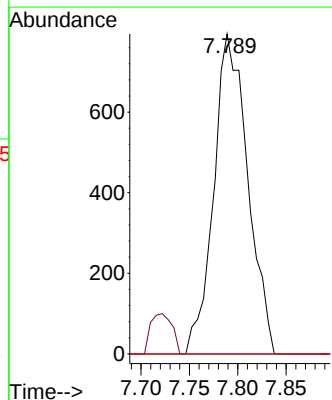
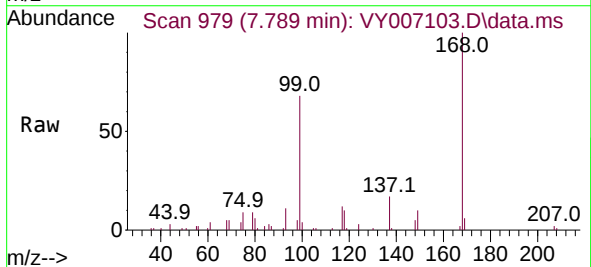
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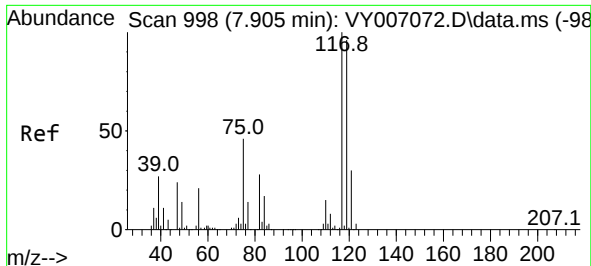
Tgt Ion:113 Resp: 10768
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 17.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 5.008 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Tgt Ion: 75 Resp: 1938
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.9#
77 0.0 24.7 37.1#

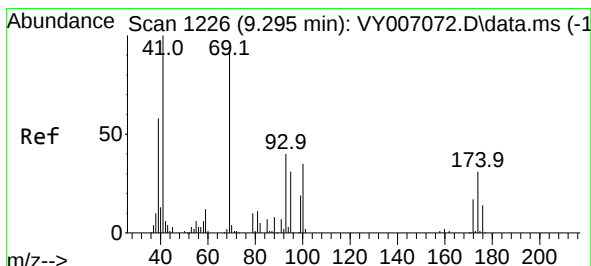
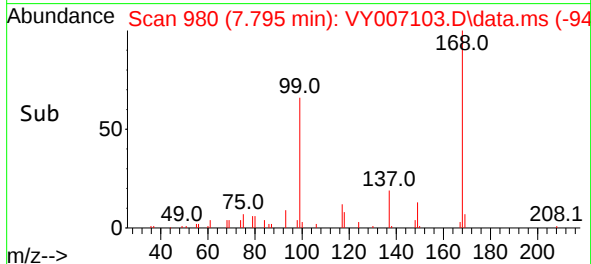
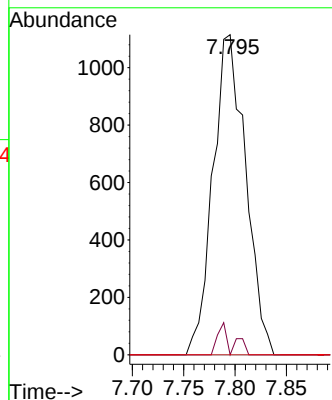
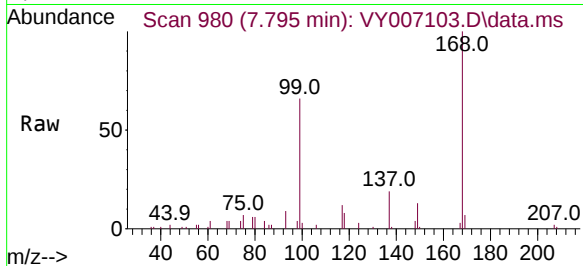




#38
Carbon Tetrachloride
Concen: 6.101 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

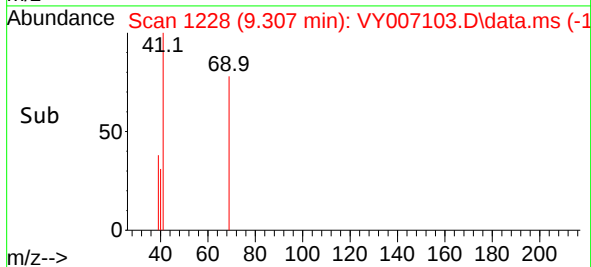
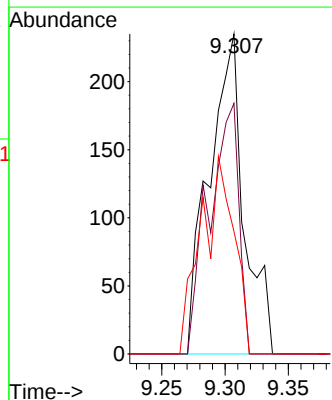
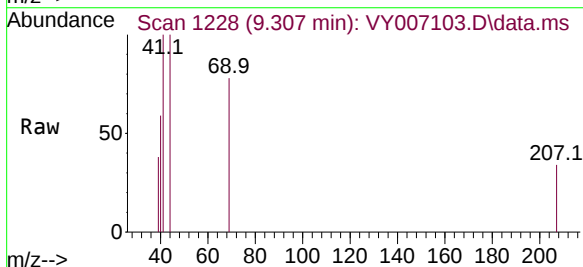
Instrument :
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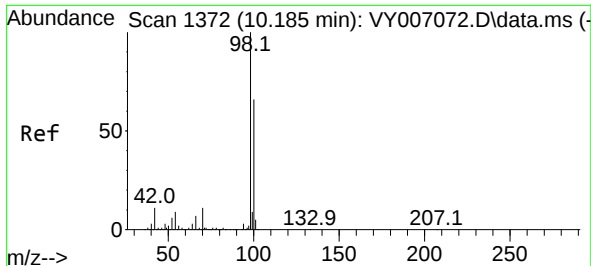
Tgt Ion:117 Resp: 2467
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 2.734 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.012 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Tgt Ion: 41 Resp: 453
Ion Ratio Lower Upper
41 100
69 67.1 70.5 105.7#
39 58.1 43.8 65.8

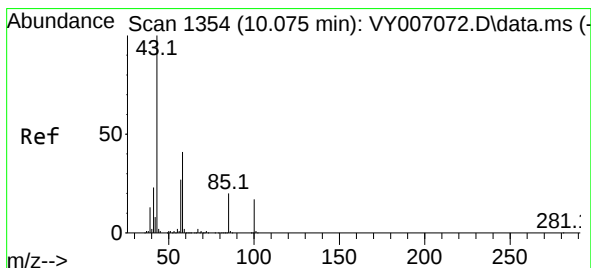
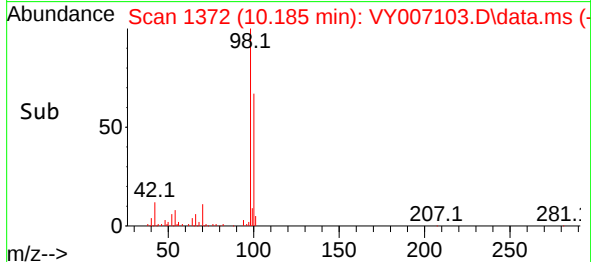
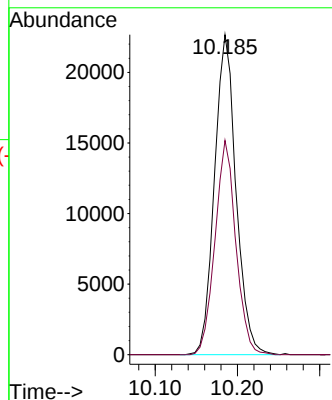
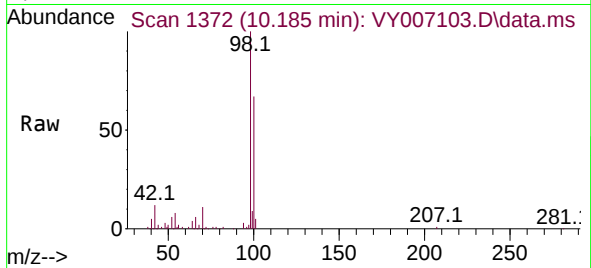




#50
Toluene-d8
Concen: 45.725 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

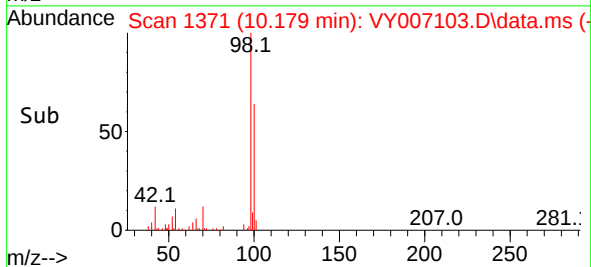
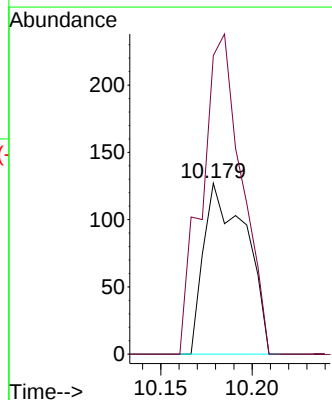
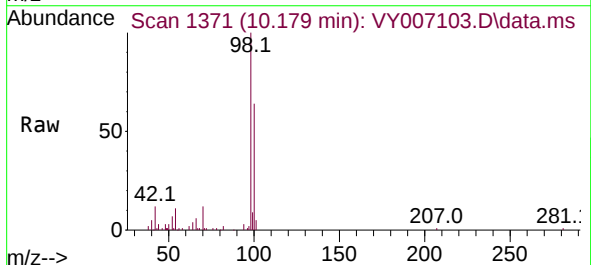
Instrument :
MSVOA_Y
ClientSampleId :
AMI-10

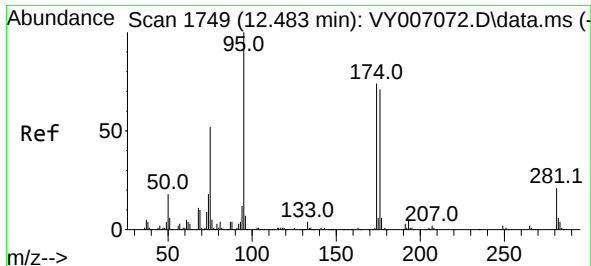
Tgt Ion: 98 Resp: 41250
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.121 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 178.8 32.8 49.2#

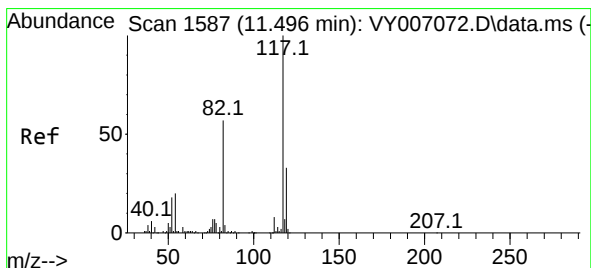
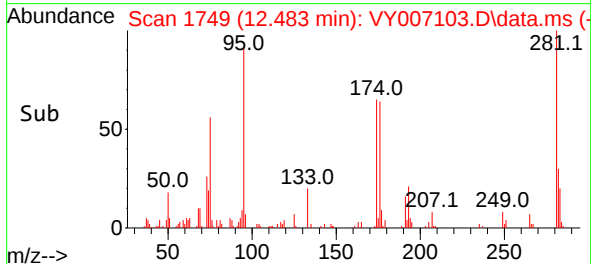
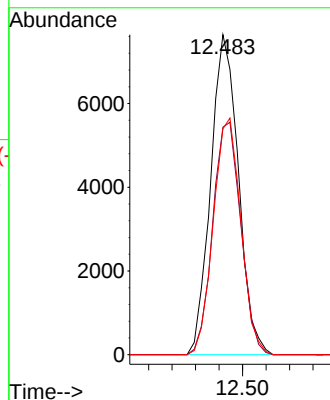
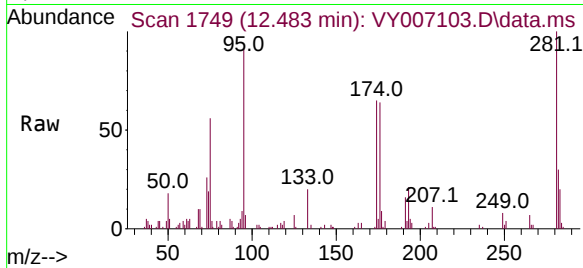




#62
4-Bromofluorobenzene
Concen: 38.453 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

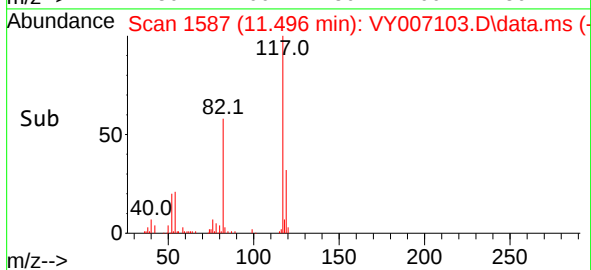
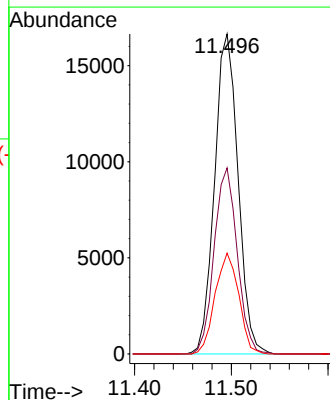
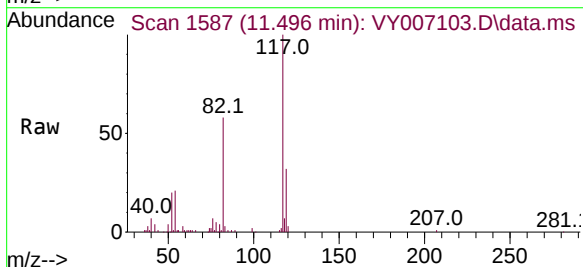
Instrument :
MSVOA_Y
ClientSampleId :
AMI-10

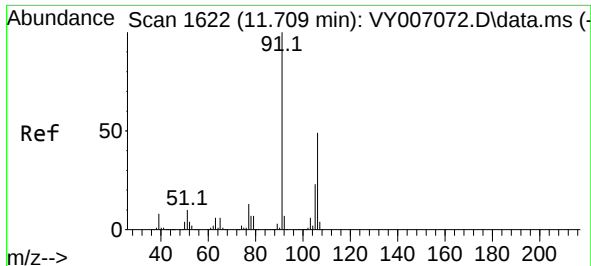
Tgt Ion: 95 Resp: 12511
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.4
176 73.6 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Tgt Ion: 117 Resp: 28033
Ion Ratio Lower Upper
117 100
82 58.2 45.4 68.0
119 31.5 26.4 39.6

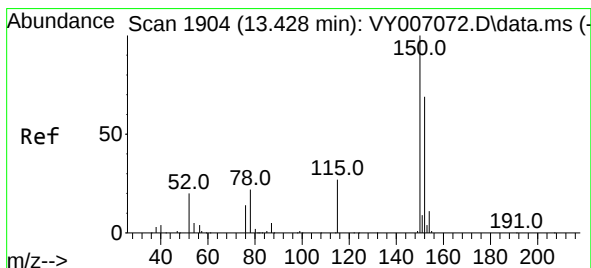
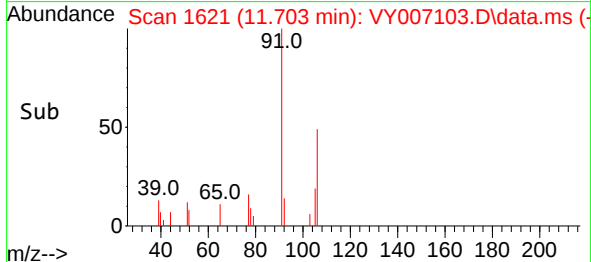
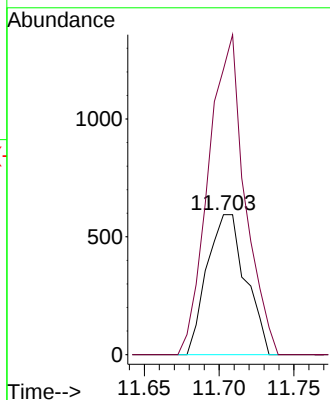
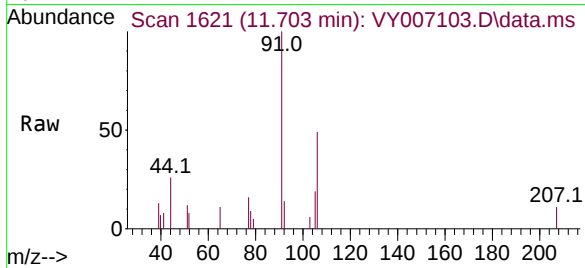




#68
m/p-Xylenes
Concen: 2.525 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

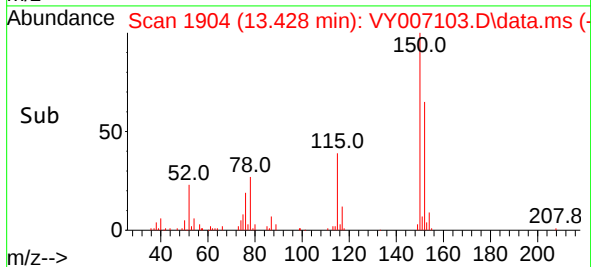
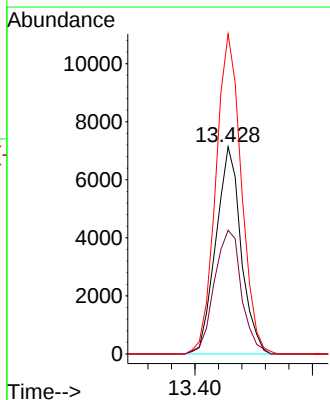
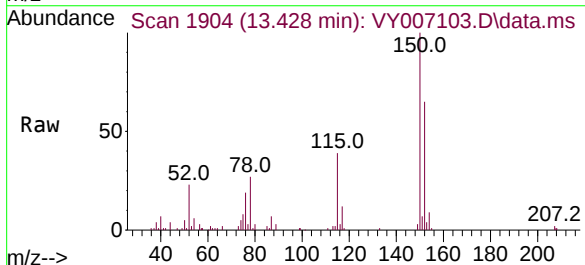
Instrument :
MSVOA_Y
ClientSampleId :
AMI-10

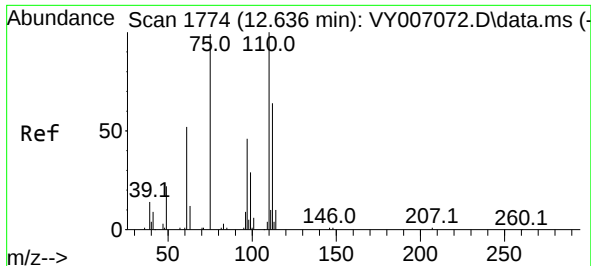
Tgt Ion:106 Resp: 1070
Ion Ratio Lower Upper
106 100
91 215.0 167.1 250.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Tgt Ion:152 Resp: 10590
Ion Ratio Lower Upper
152 100
115 64.6 31.4 94.0
150 156.8 0.0 348.4

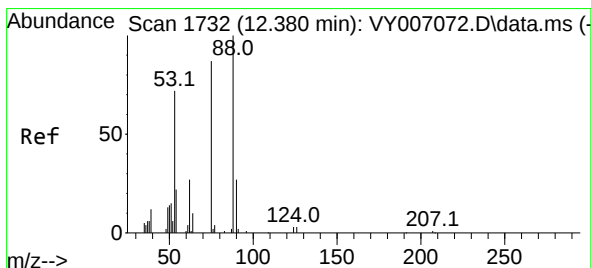
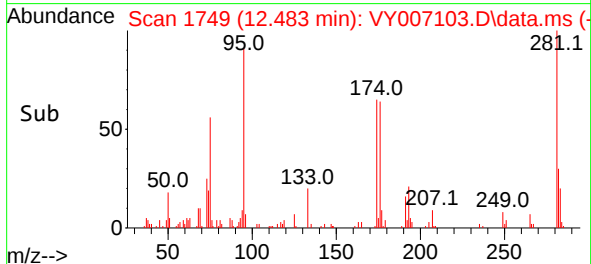
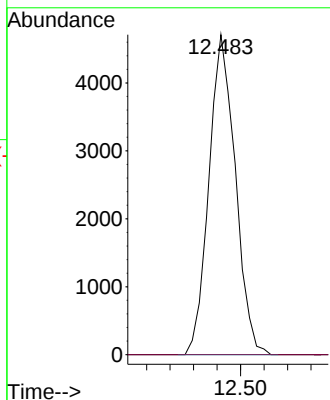
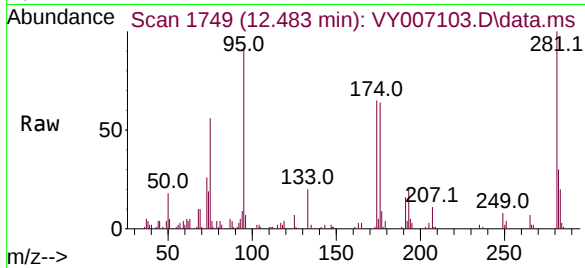




#76
 1,2,3-Trichloropropane
 Concen: 60.854 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007103.D
 Acq: 10 Jan 2022 14:23

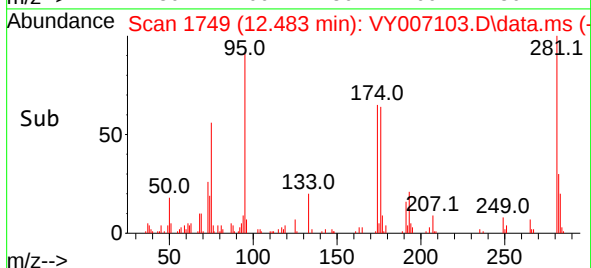
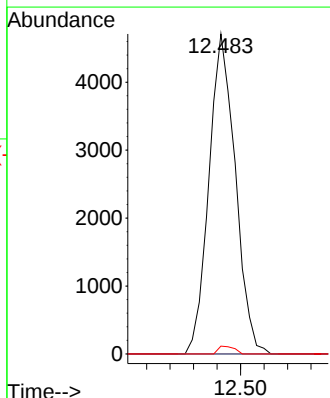
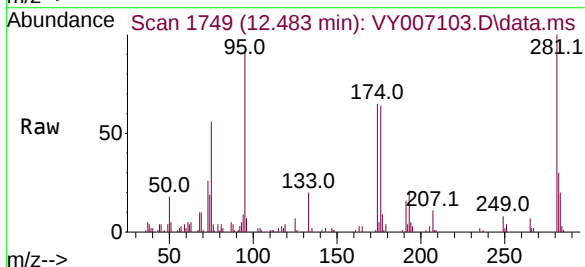
Instrument :
 MSVOA_Y
 ClientSampleId :
 AMI-10

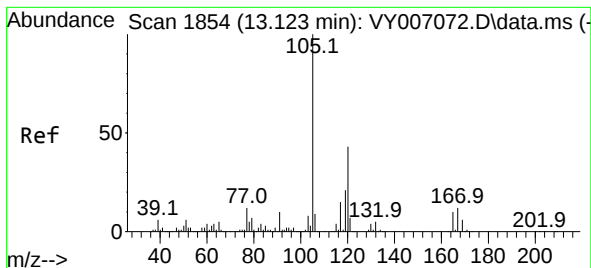
Tgt Ion: 75 Resp: 7355
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.300 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY007103.D
 Acq: 10 Jan 2022 14:23

Tgt Ion: 75 Resp: 7355
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 1.5 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.204 ug/l

RT: 13.123 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007103.D

Acq: 10 Jan 2022 14:23

Instrument :

MSVOA_Y

ClientSampleId :

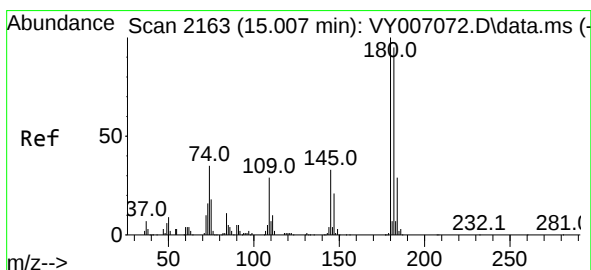
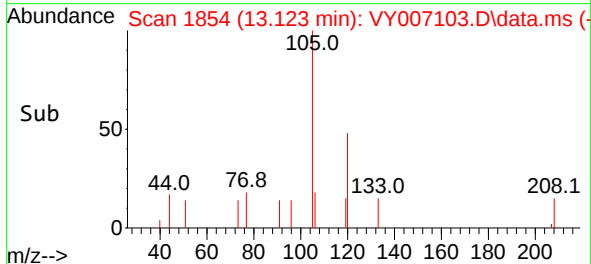
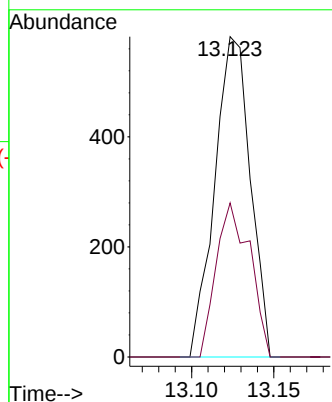
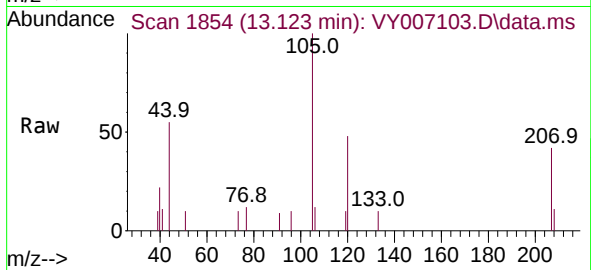
AMI-10

Tgt Ion:105 Resp: 877

Ion Ratio Lower Upper

105 100

120 45.4 21.6 64.6



#93

1,2,4-Trichlorobenzene

Concen: 1.589 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY007103.D

Acq: 10 Jan 2022 14:23

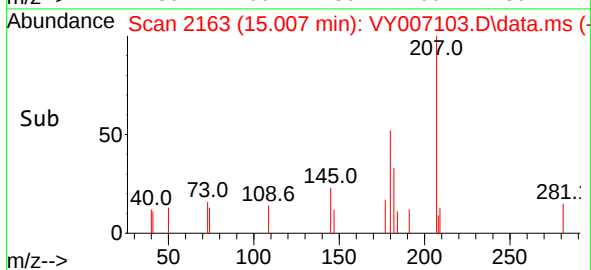
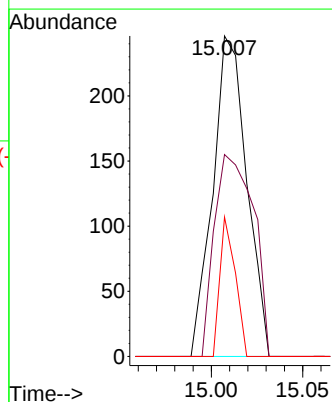
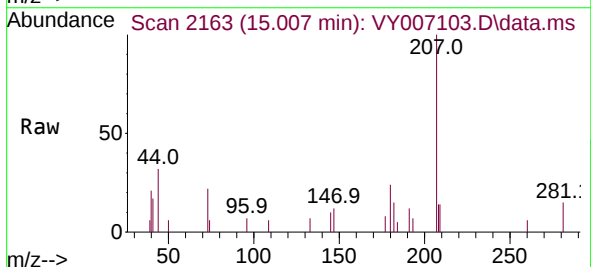
Tgt Ion:180 Resp: 318

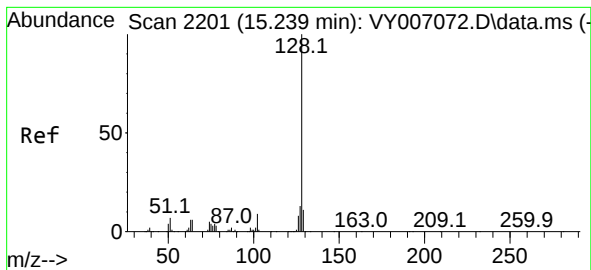
Ion Ratio Lower Upper

180 100

182 72.6 47.6 142.8

145 19.8 16.4 49.1





#95
Naphthalene
Concen: 1.409 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY007103.D
Acq: 10 Jan 2022 14:23

Instrument :
MSVOA_Y
ClientSampleId :
AMI-10

Tgt Ion:128 Resp: 591
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.9 13.3#

