

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007093.D
 Acq On : 08 Jan 2022 21:05
 Operator : SY/MD
 Sample : N1065-16
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AMI-4

Quant Time: Jan 10 03:43:41 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)

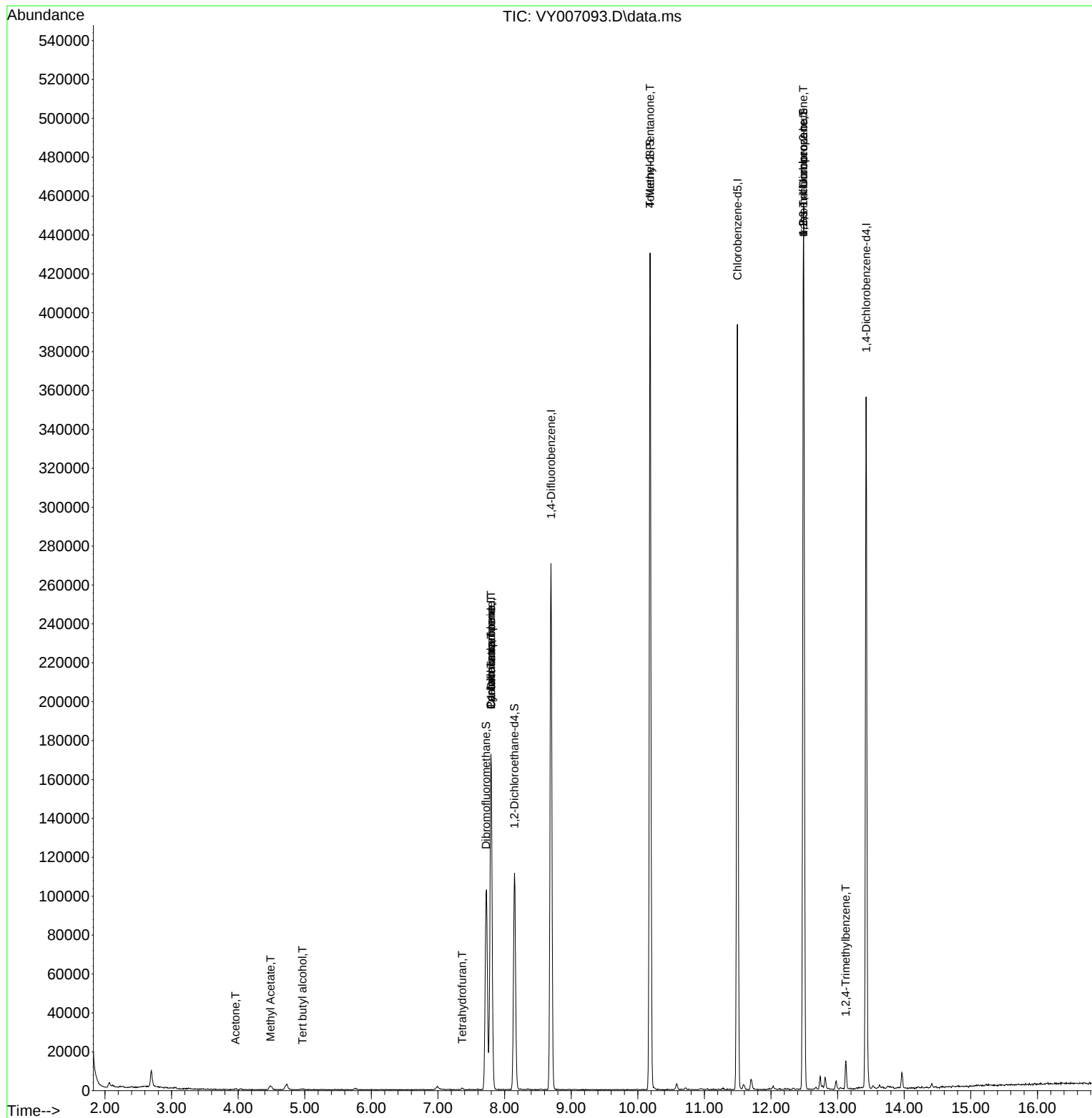
Internal Standards						
1) Pentafluorobenzene	7.795	168	125618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	225322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	206980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89483	59.544	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.080%			
35) Dibromofluoromethane	7.722	113	74347	49.508	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.020%			
50) Toluene-d8	10.185	98	276945	49.927	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.483	95	99191	49.582	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.160%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.966	59	961	8.020	ug/l #	73
13) Acrolein	3.912	56	45	Below Cal	#	15
16) Acetone	3.960	43	728	2.582	ug/l #	71
18) Methyl Acetate	4.485	43	3745	2.896	ug/l	100
20) Methylene Chloride	4.735	84	2087	Below Cal	#	92
29) Tetrahydrofuran	7.362	42	517	1.657	ug/l #	75
31) Cyclohexane	7.795	56	2796	1.081	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	10723	4.506	ug/l #	51
38) Carbon Tetrachloride	7.795	117	14009	5.634	ug/l #	14
51) 4-Methyl-2-Pentanone	10.185	43	1265	1.136	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	54749	55.729	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54749	104.674	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.123	105	7520	1.270	ug/l	97

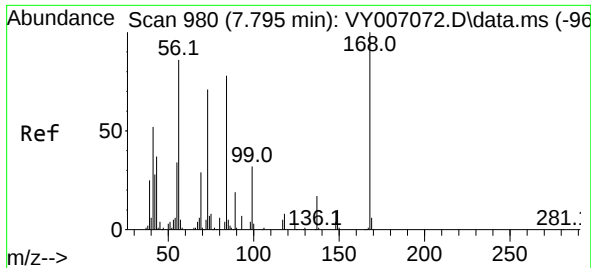
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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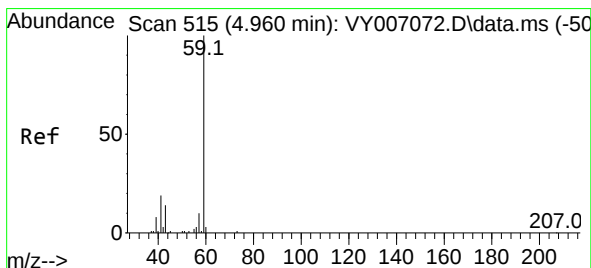
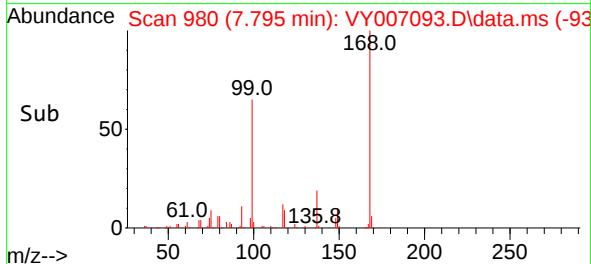
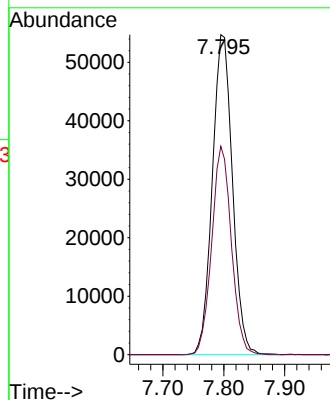
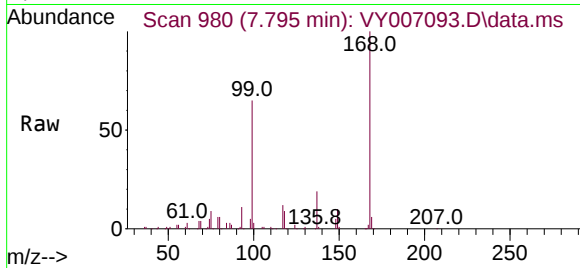




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

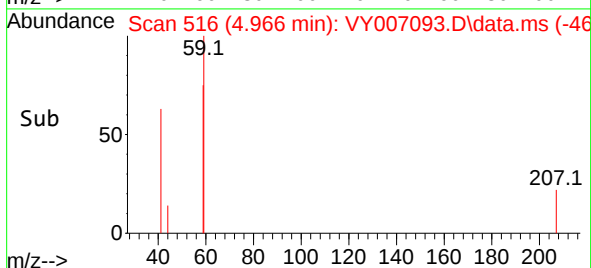
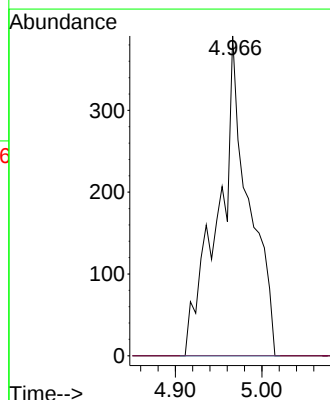
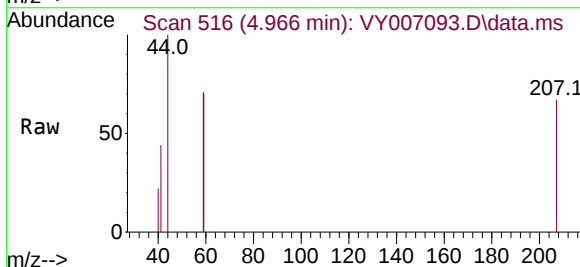
Instrument :
MSVOA_Y
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AMI-4

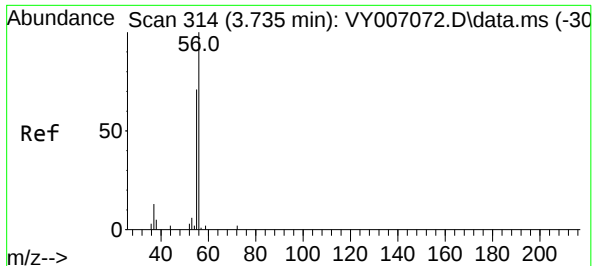
Tgt Ion:168 Resp: 125618
Ion Ratio Lower Upper
168 100
99 65.1 49.1 73.7



#11
Tert butyl alcohol
Concen: 8.020 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion: 59 Resp: 961
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 3.912 min Scan# 34

Delta R.T. 0.177 min

Lab File: VY007093.D

Acq: 08 Jan 2022 21:05

Instrument :

MSVOA_Y

ClientSampleId :

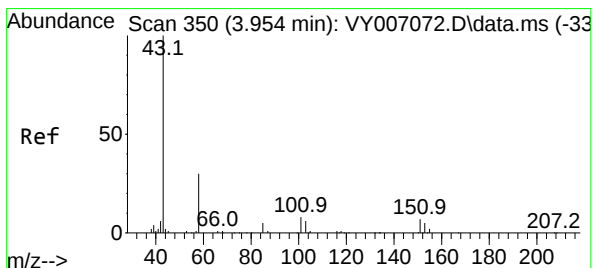
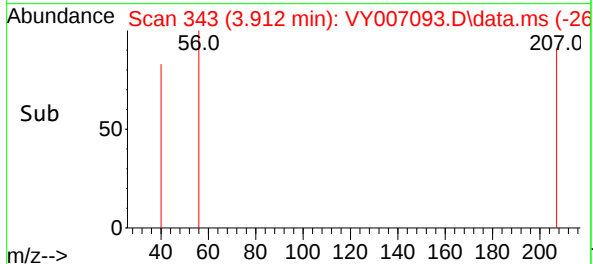
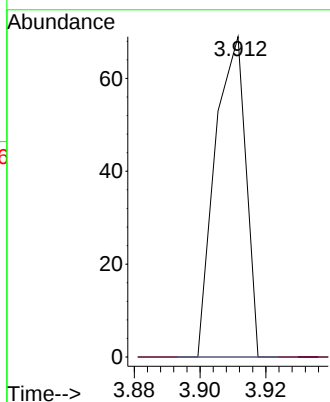
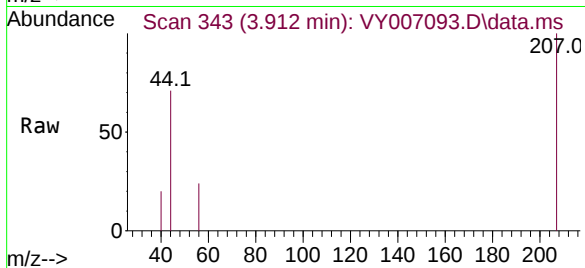
AMI-4

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 2.582 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY007093.D

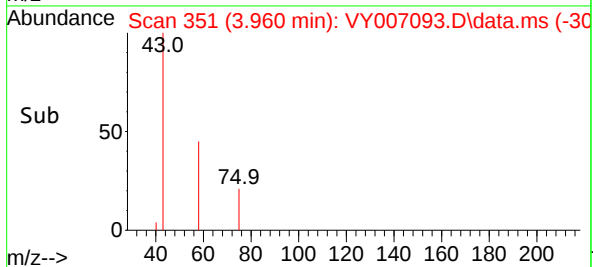
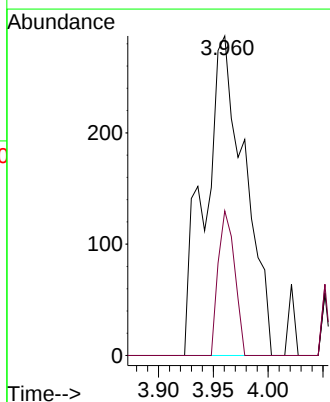
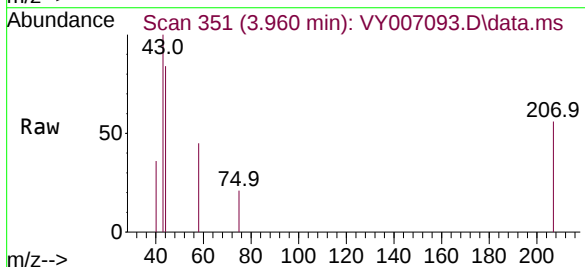
Acq: 08 Jan 2022 21:05

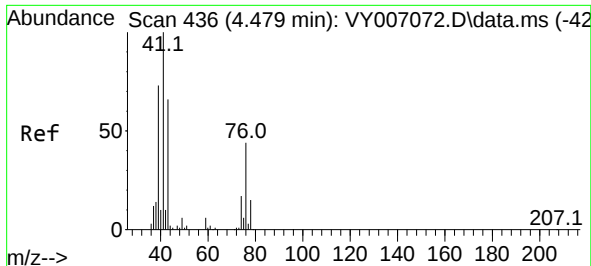
Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

58 45.3 23.8 35.6#

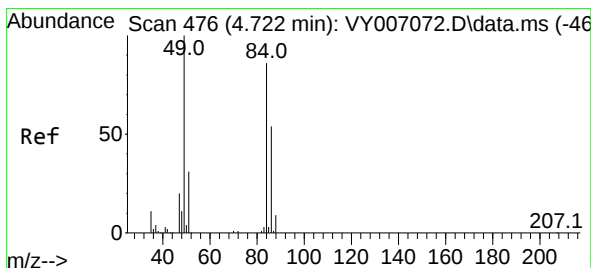
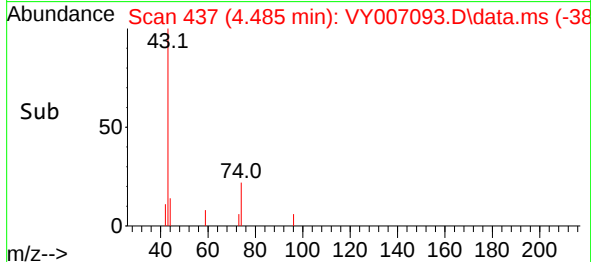
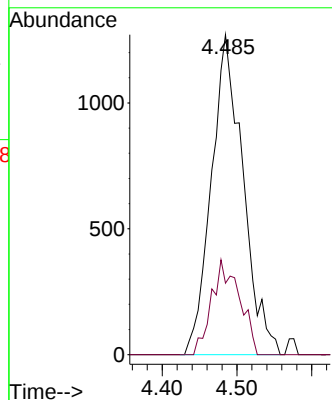
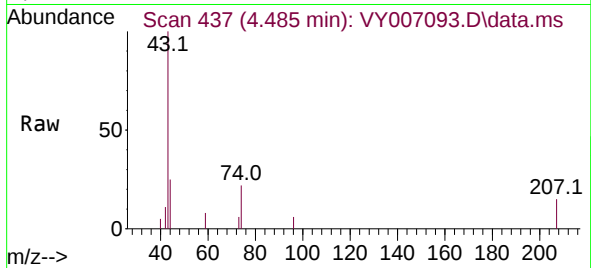




#18
Methyl Acetate
Concen: 2.896 ug/l
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

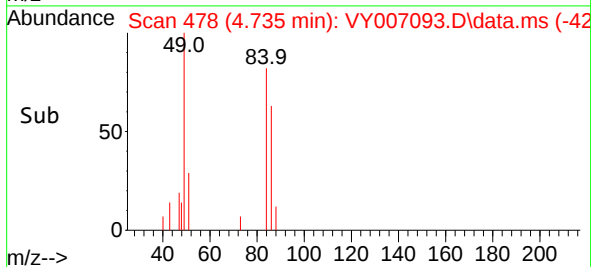
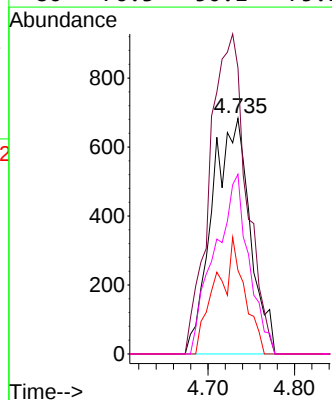
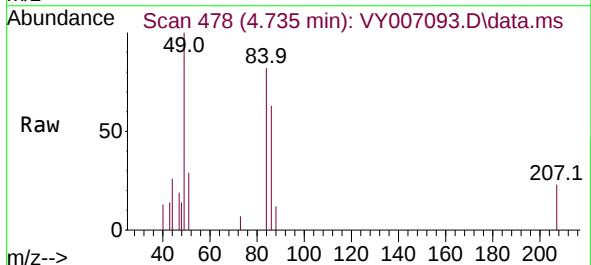
Instrument :
MSVOA_Y
ClientSampleId :
AMI-4

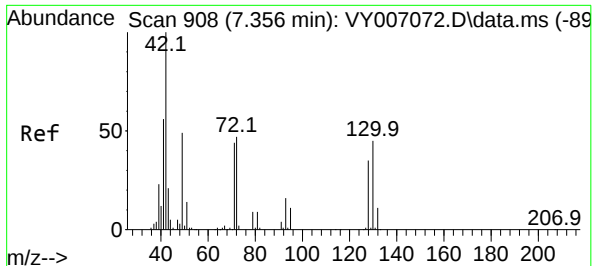
Tgt Ion: 43 Resp: 3745
Ion Ratio Lower Upper
43 100
74 26.0 20.9 31.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion: 84 Resp: 2087
Ion Ratio Lower Upper
84 100
49 121.5 92.6 139.0
51 35.4 28.6 42.8
86 76.3 50.1 75.1#

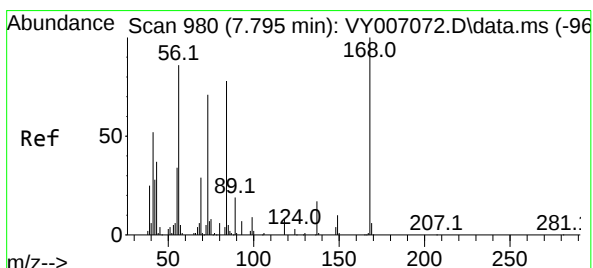
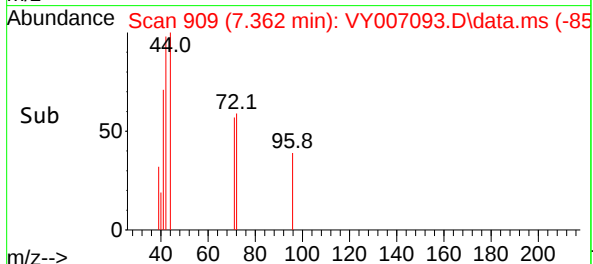
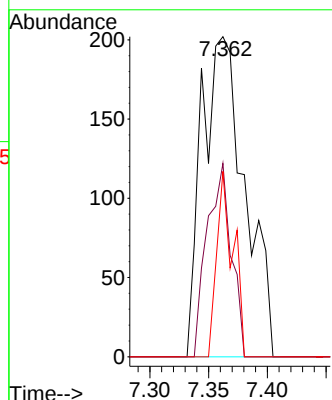
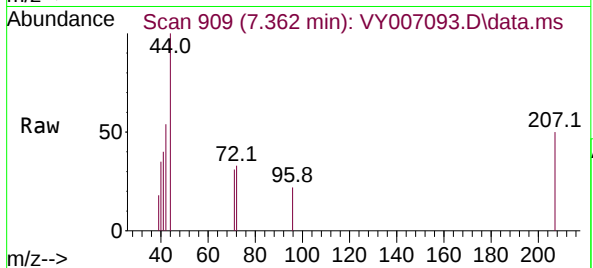




#29
Tetrahydrofuran
Concen: 1.657 ug/l
RT: 7.362 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

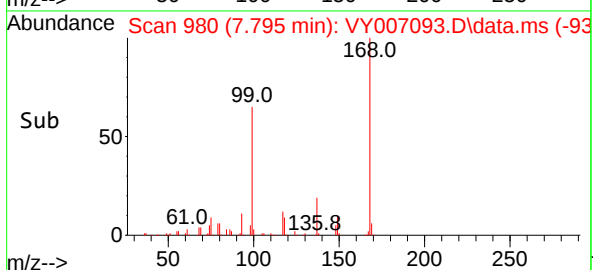
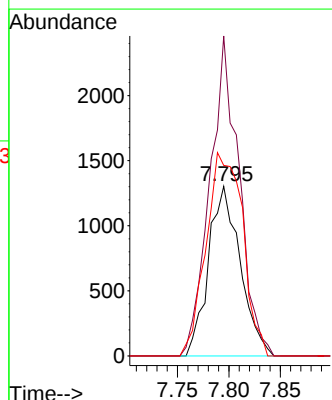
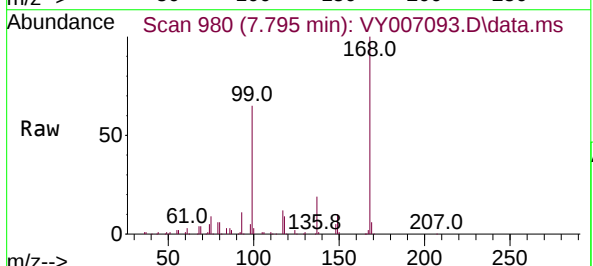
Instrument :
MSVOA_Y
ClientSampleId :
AMI-4

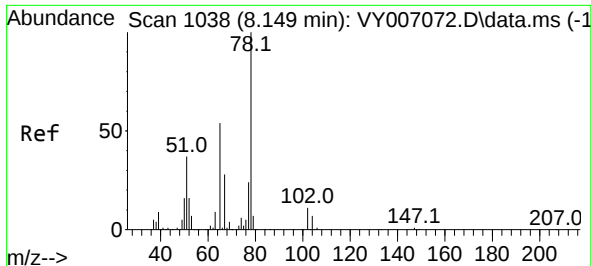
Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 33.8 36.6 54.8#
71 22.1 34.1 51.1#



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion: 56 Resp: 2796
Ion Ratio Lower Upper
56 100
69 188.6 27.2 40.8#
84 112.4 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 59.544 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY007093.D

Acq: 08 Jan 2022 21:05

Instrument :

MSVOA_Y

ClientSampleId :

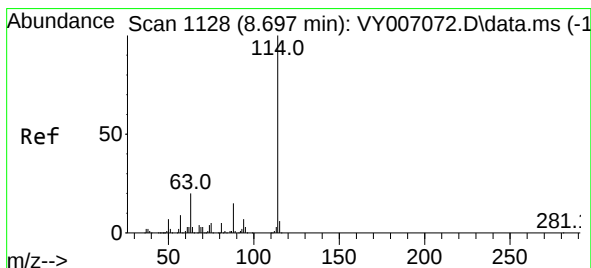
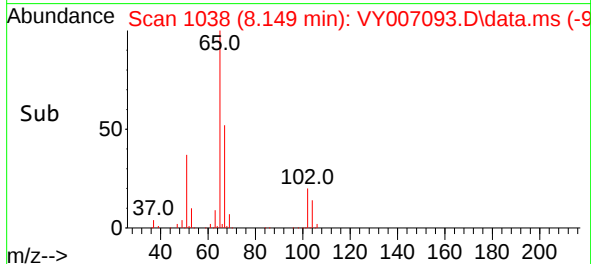
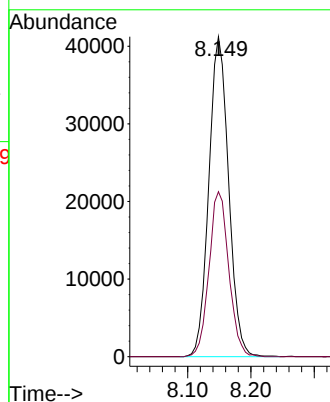
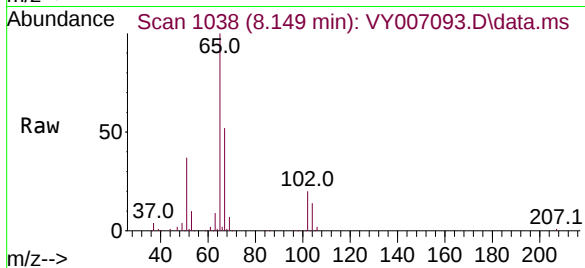
AMI-4

Tgt Ion: 65 Resp: 89483

Ion Ratio Lower Upper

65 100

67 51.5 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: VY007093.D

Acq: 08 Jan 2022 21:05

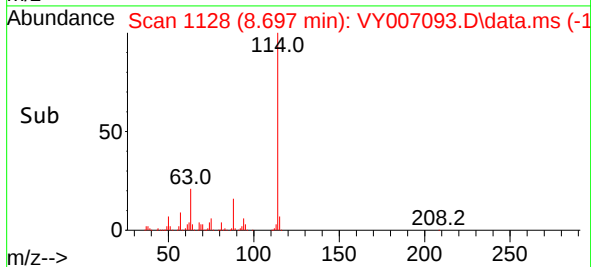
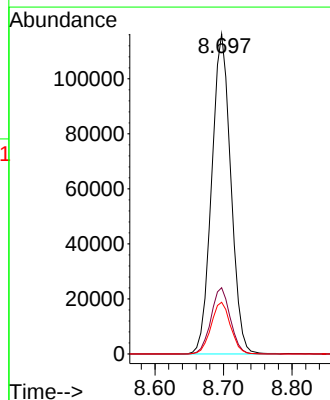
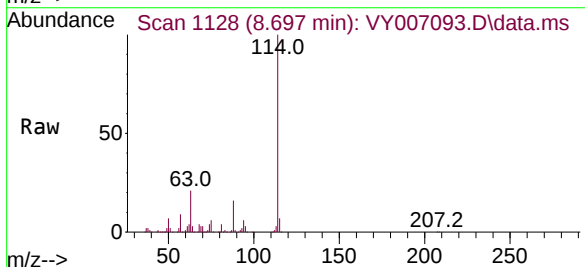
Tgt Ion: 114 Resp: 225322

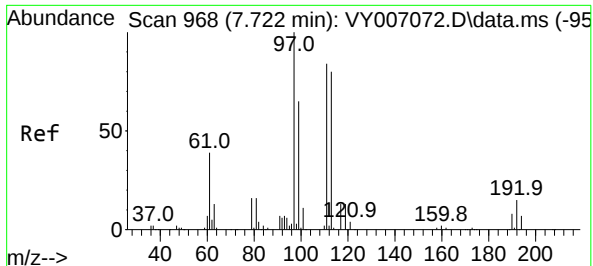
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.508 ug/l

RT: 7.722 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY007093.D

Acq: 08 Jan 2022 21:05

Instrument :

MSVOA_Y

ClientSampleId :

AMI-4

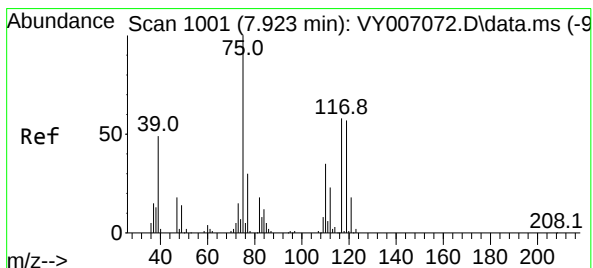
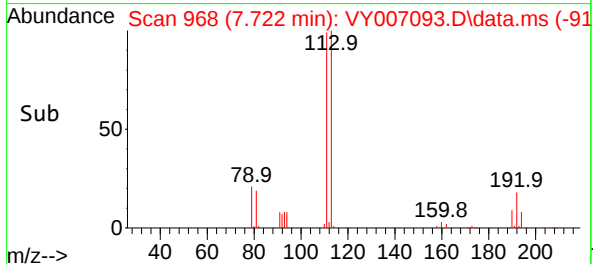
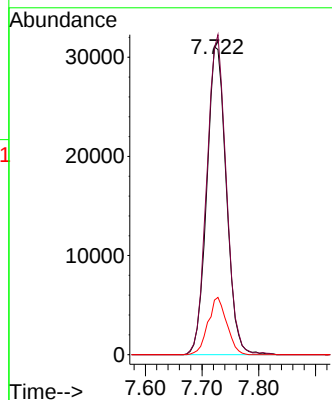
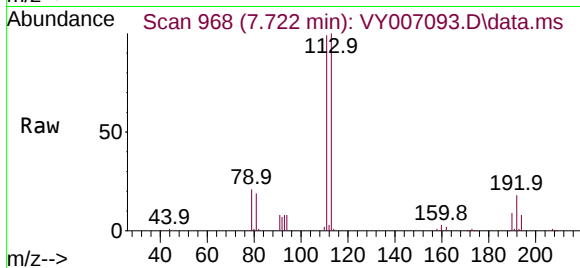
Tgt Ion:113 Resp: 74347

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 17.8 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.506 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY007093.D

Acq: 08 Jan 2022 21:05

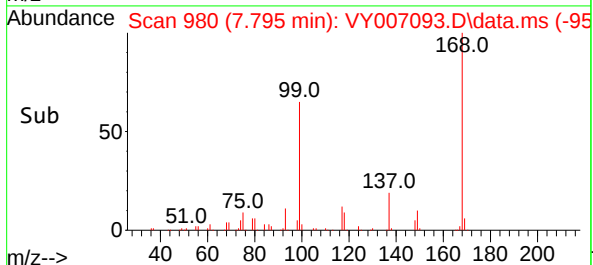
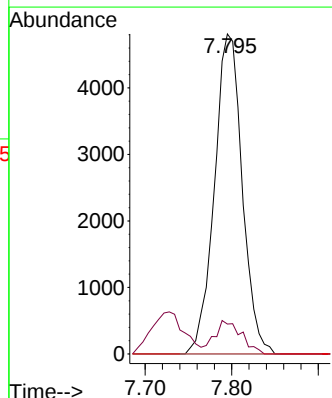
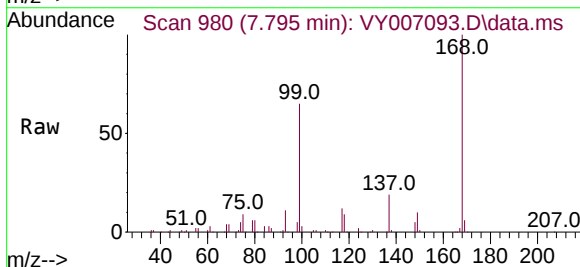
Tgt Ion: 75 Resp: 10723

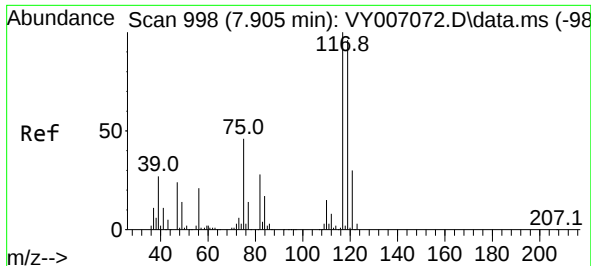
Ion Ratio Lower Upper

75 100

110 10.1 17.3 51.9#

77 0.0 24.7 37.1#

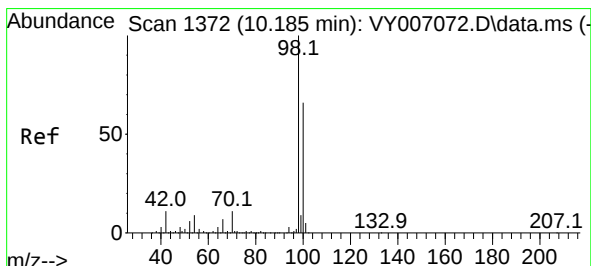
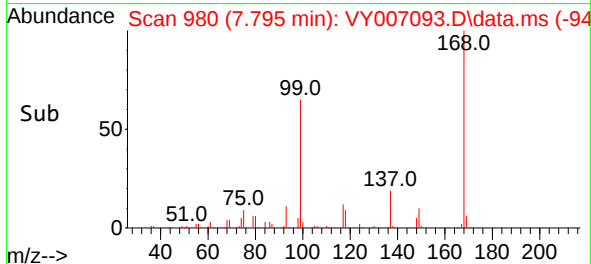
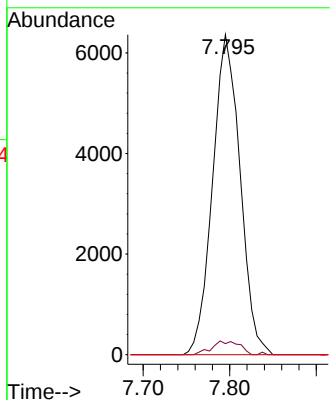
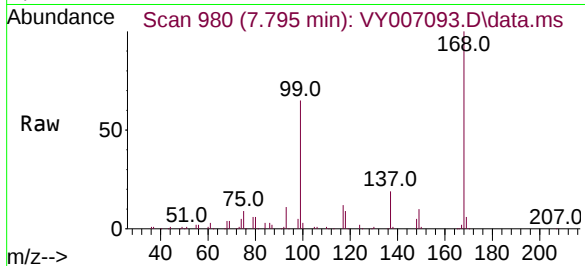




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

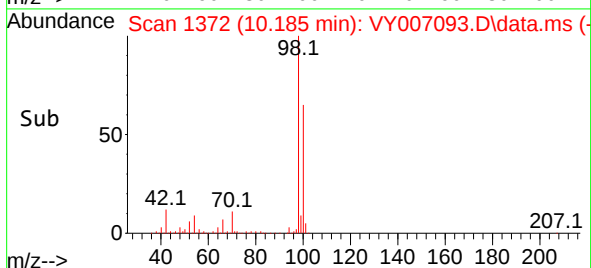
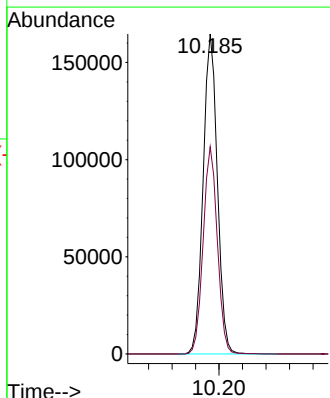
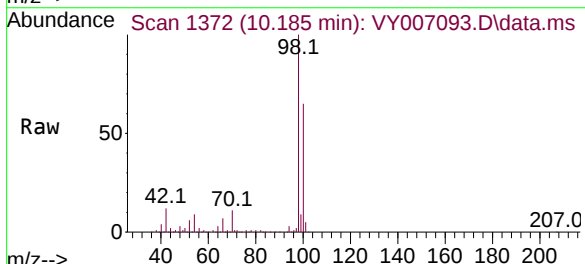
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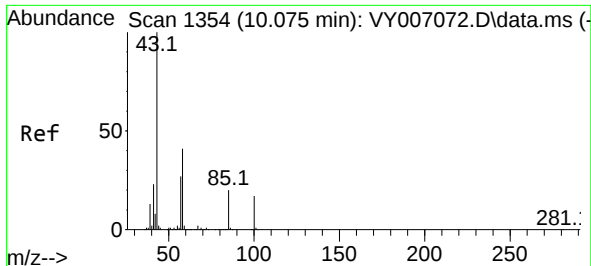
Tgt Ion:117 Resp: 14009
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.927 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion: 98 Resp: 276945
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

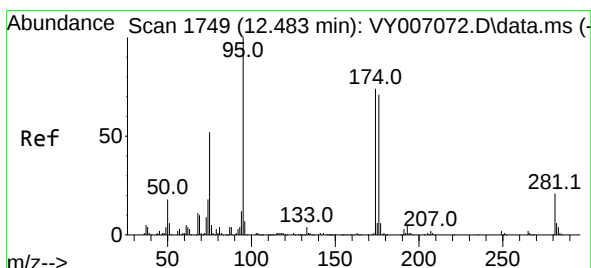
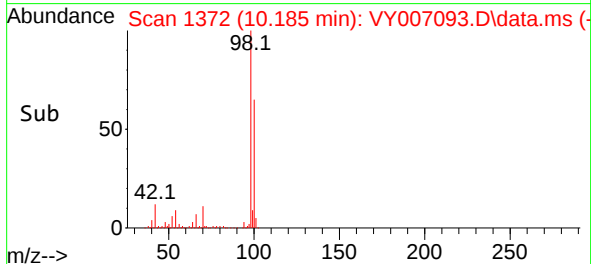
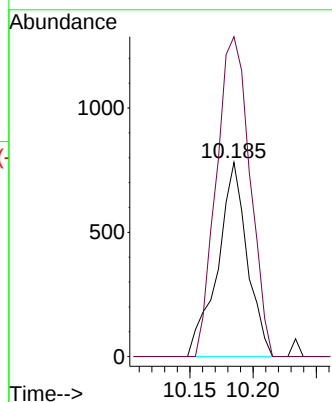
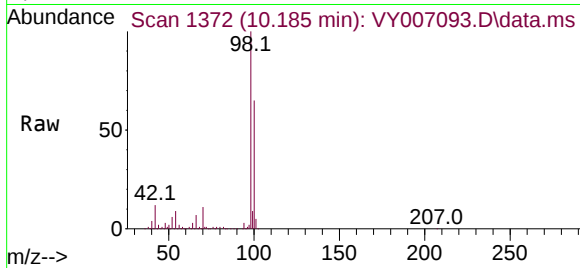




#51
4-Methyl-2-Pentanone
Concen: 1.136 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

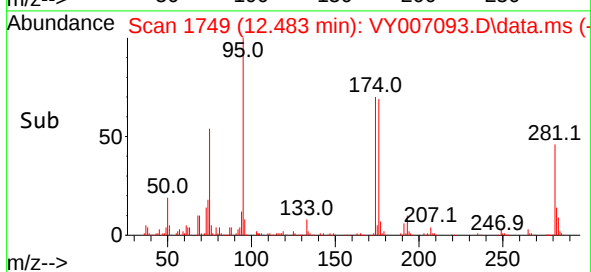
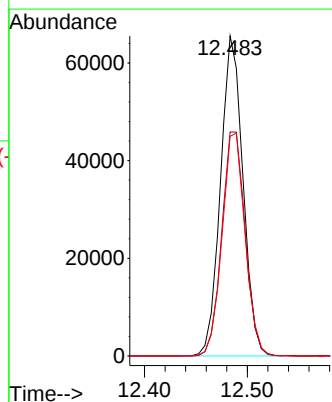
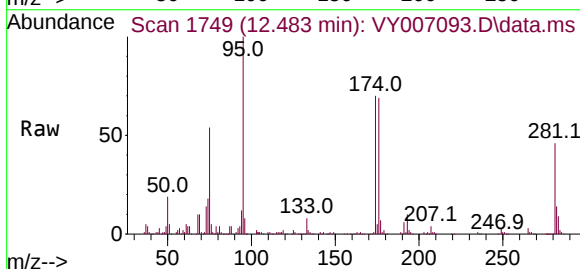
Instrument :
MSVOA_Y
ClientSampleId :
AMI-4

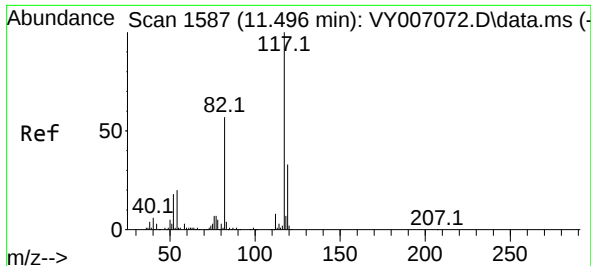
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 187.4 32.8 49.2#



#62
4-Bromofluorobenzene
Concen: 49.582 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion: 95 Resp: 99191
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.4
176 71.5 0.0 146.6

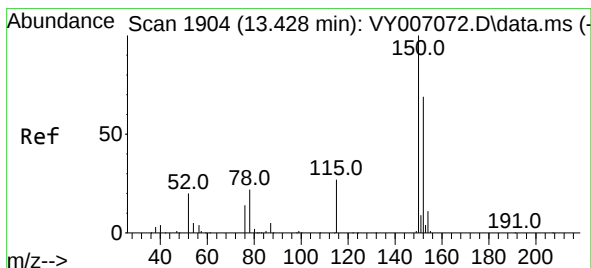
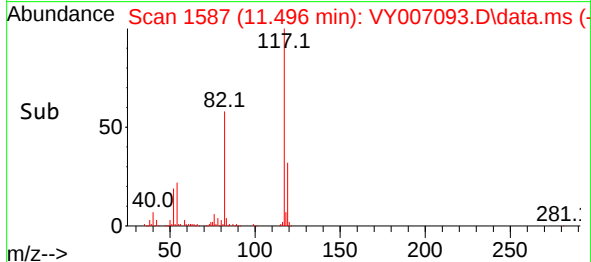
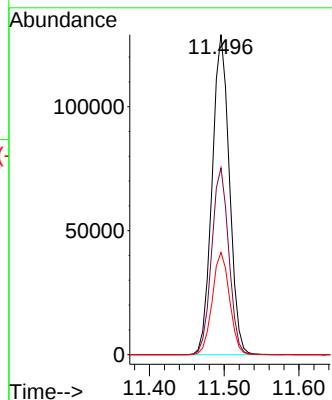
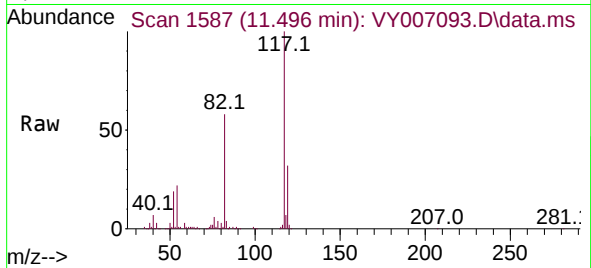




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

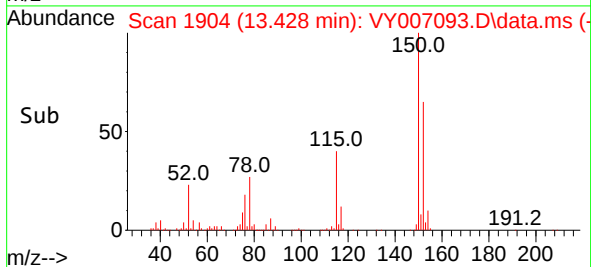
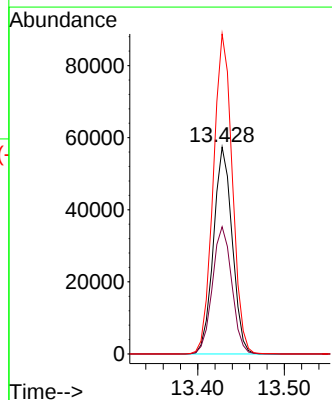
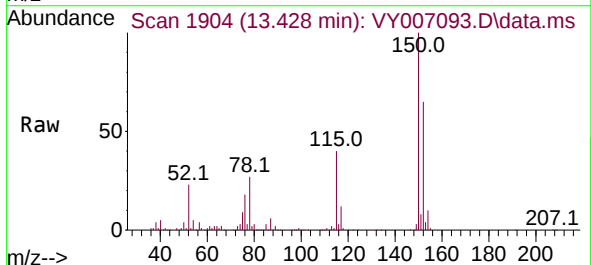
Instrument :
MSVOA_Y
ClientSampleId :
AMI-4

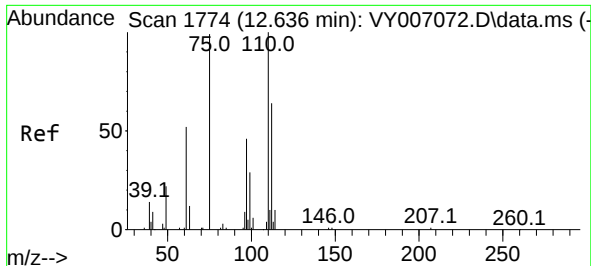
Tgt Ion:117 Resp: 206980
Ion Ratio Lower Upper
117 100
82 58.4 45.4 68.0
119 31.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion:152 Resp: 86079
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.0
150 157.3 0.0 348.4

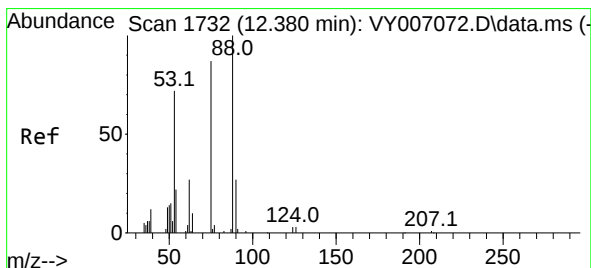
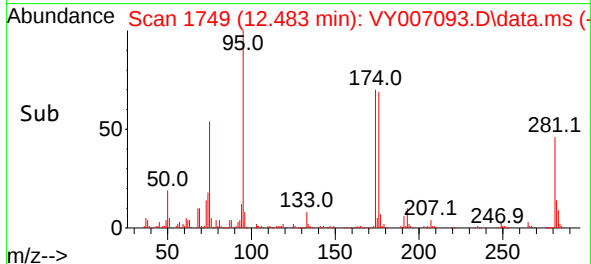
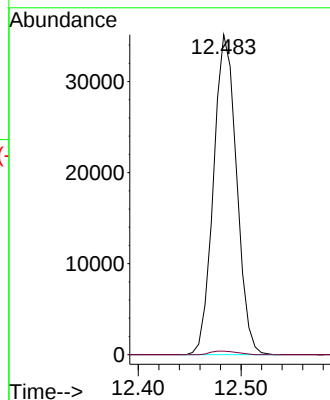
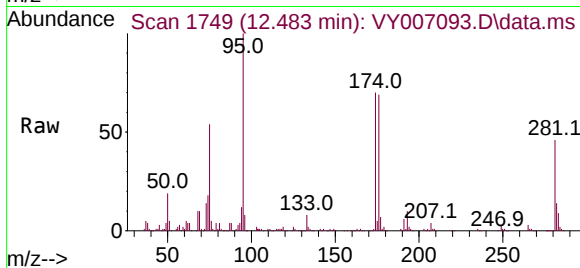




#76
1,2,3-Trichloropropane
Concen: 55.729 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

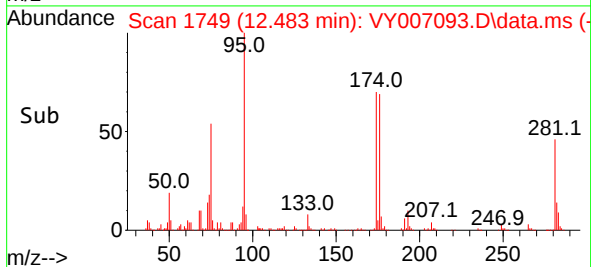
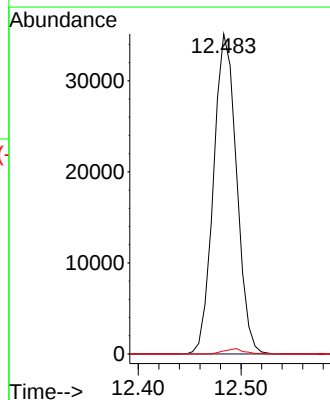
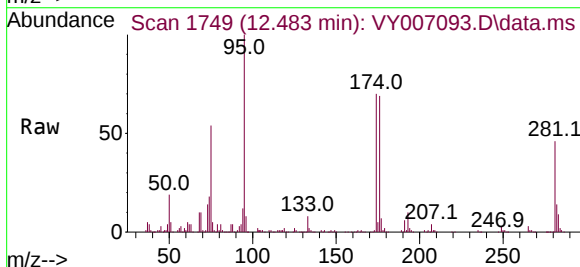
Instrument :
MSVOA_Y
ClientSampleId :
AMI-4

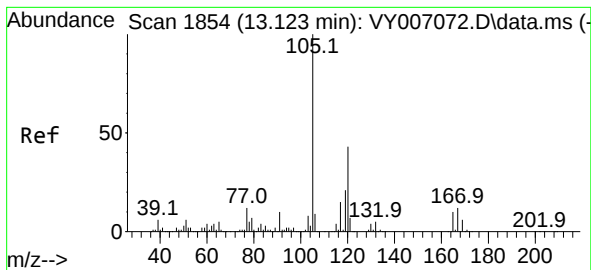
Tgt Ion: 75 Resp: 54749
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.674 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007093.D
Acq: 08 Jan 2022 21:05

Tgt Ion: 75 Resp: 54749
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 1.4 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.270 ug/l

RT: 13.123 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007093.D

Acq: 08 Jan 2022 21:05

Instrument :

MSVOA_Y

ClientSampleId :

AMI-4

Tgt Ion:105 Resp: 7520

Ion Ratio Lower Upper

105 100

120 45.2 21.6 64.6

