

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007075.D
 Acq On : 08 Jan 2022 13:14
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 10 03:30:02 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	121896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	228314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	210634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93479	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71869	49.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.560%
35) Dibromofluoromethane	7.722	113	75245	49.449	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.900%
50) Toluene-d8	10.185	98	281378	50.061	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.120%
62) 4-Bromofluorobenzene	12.483	95	100644	49.649	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.300%

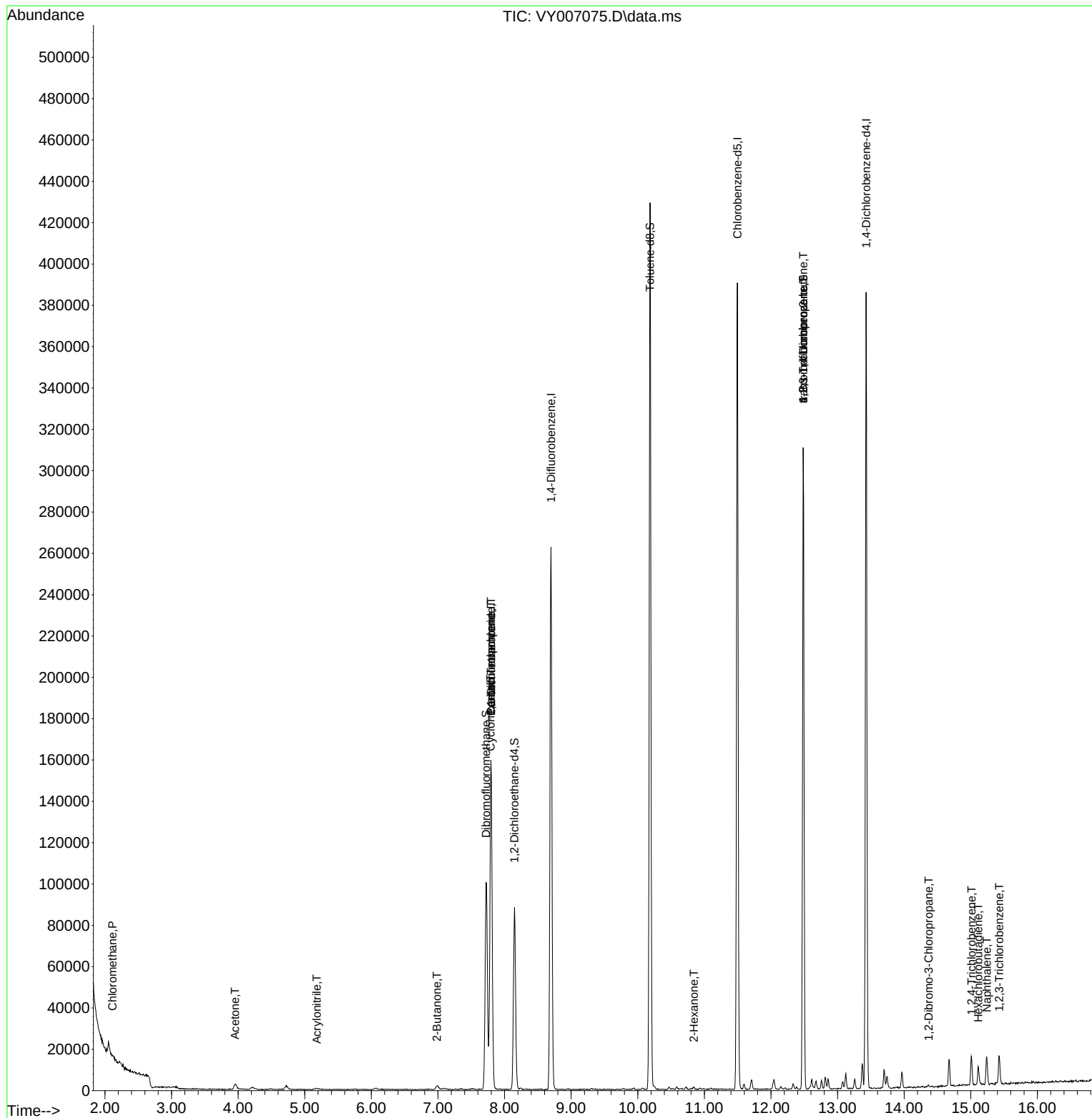
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	1207	1.368	ug/l #	82
13) Acrolein	3.741	56	50	Below Cal	#	56
15) Acrylonitrile	5.180	53	911	2.590	ug/l #	76
16) Acetone	3.954	43	5218	19.072	ug/l	97
20) Methylene Chloride	4.716	84	1430	Below Cal	#	84
25) 2-Butanone	6.984	43	513	1.213	ug/l #	47
31) Cyclohexane	7.789	56	2768	1.103	ug/l #	22
36) 1,1-Dichloropropene	7.795	75	10172	4.219	ug/l #	51
38) Carbon Tetrachloride	7.795	117	12962	5.145	ug/l #	16
59) 2-Hexanone	10.843	43	744	1.017	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	51838	48.589	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51838	91.263	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.367	75	310	1.227	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	4127	2.337	ug/l	98
94) Hexachlorobutadiene	15.111	225	1464	1.610	ug/l	92
95) Naphthalene	15.239	128	10882	2.938	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	4190	2.813	ug/l	95

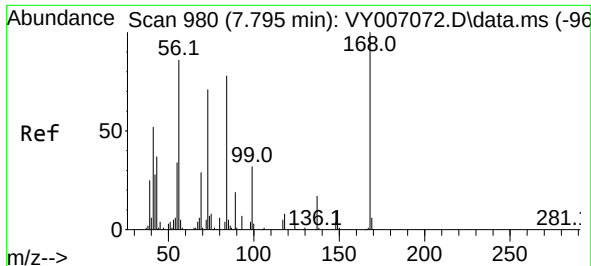
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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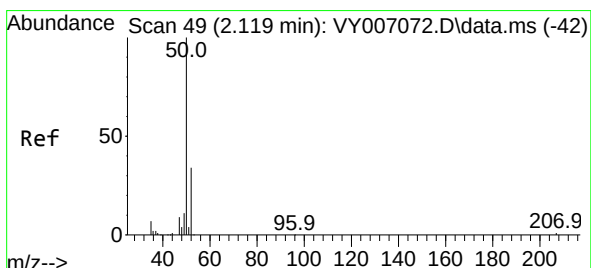
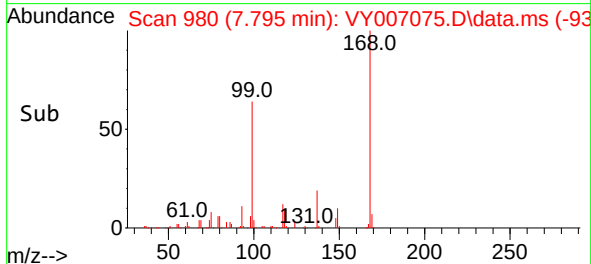
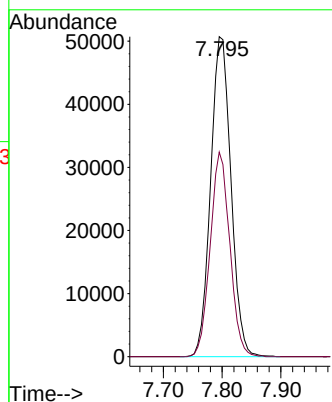
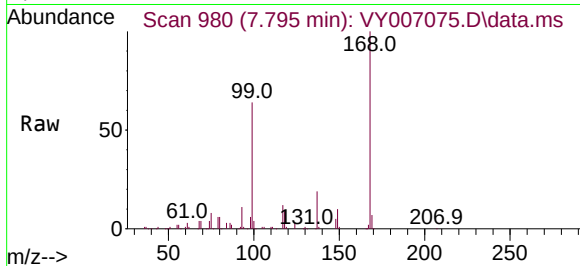




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

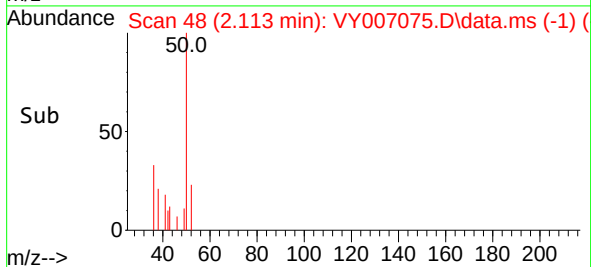
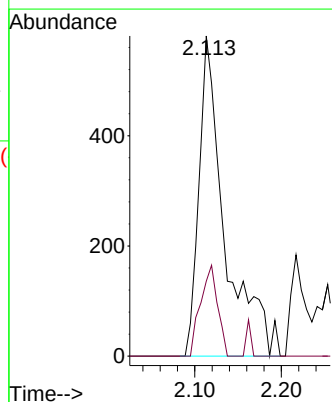
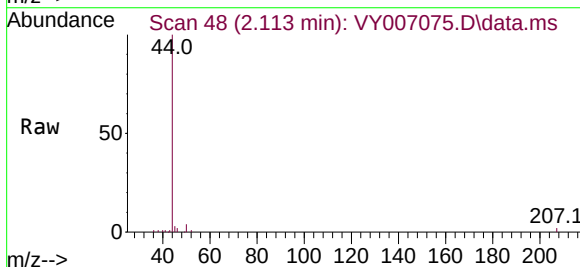
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

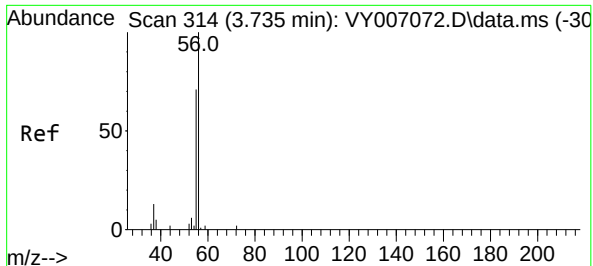
Tgt Ion:168 Resp: 121896
Ion Ratio Lower Upper
168 100
99 64.0 49.1 73.7



#3
Chloromethane
Concen: 1.368 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 50 Resp: 1207
Ion Ratio Lower Upper
50 100
52 23.4 27.1 40.7#

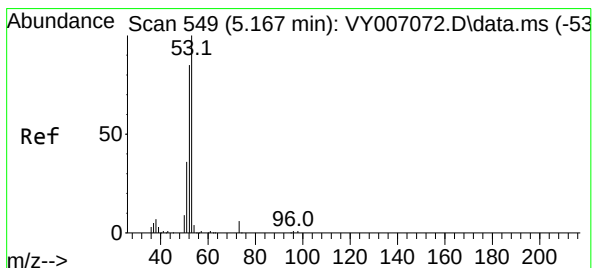
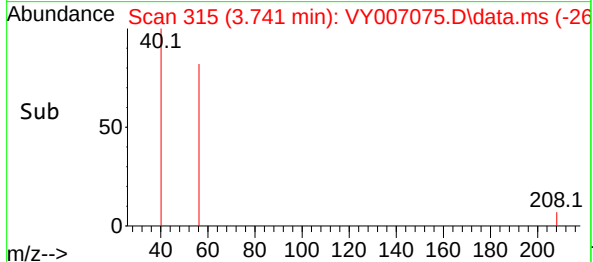
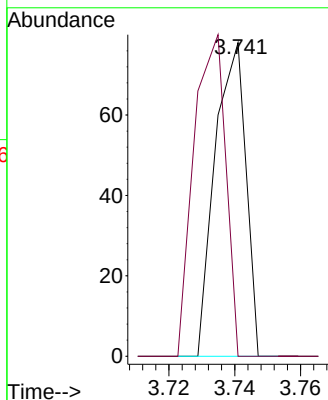
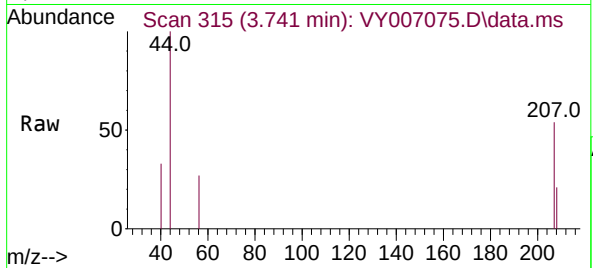




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

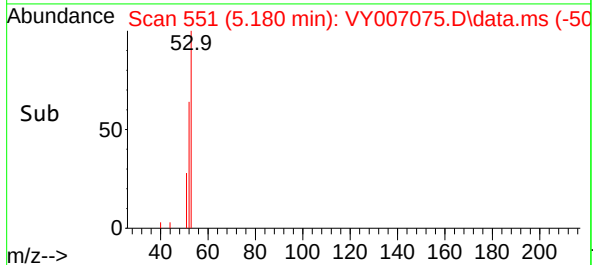
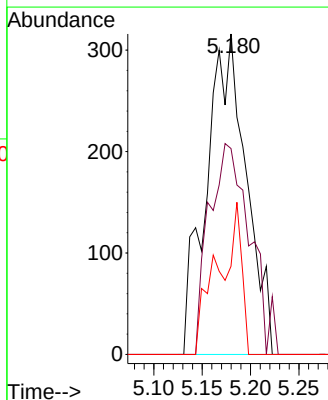
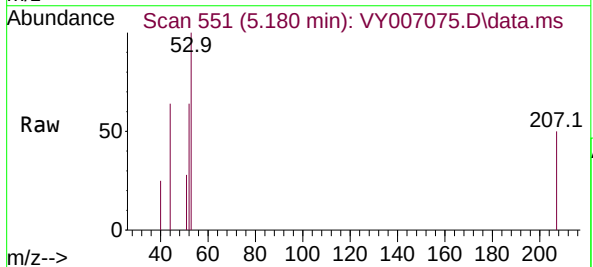
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

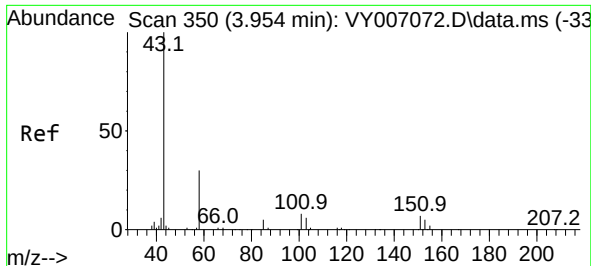
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 106.0 55.7 83.5#



#15
Acrylonitrile
Concen: 2.590 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.012 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 53 Resp: 911
Ion Ratio Lower Upper
53 100
52 67.0 65.4 98.2
51 12.7 29.4 44.2#

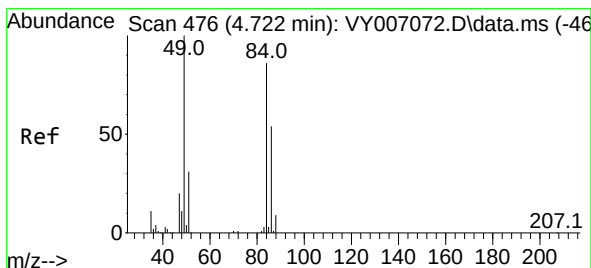
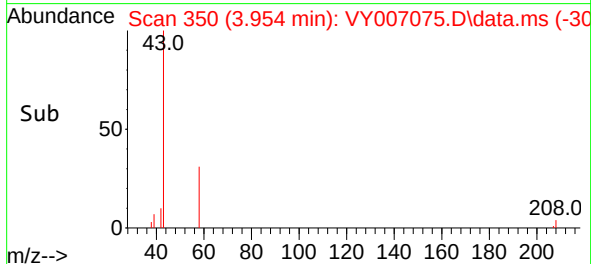
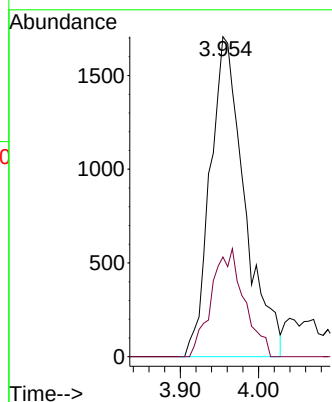
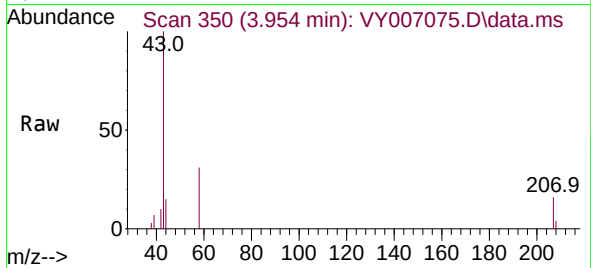




#16
Acetone
Concen: 19.072 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

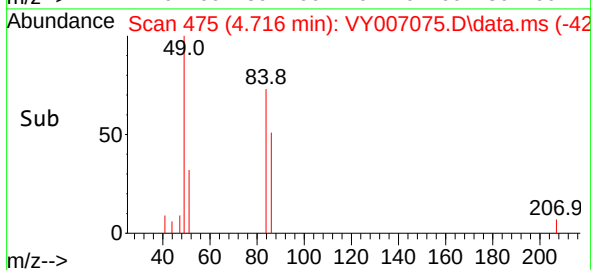
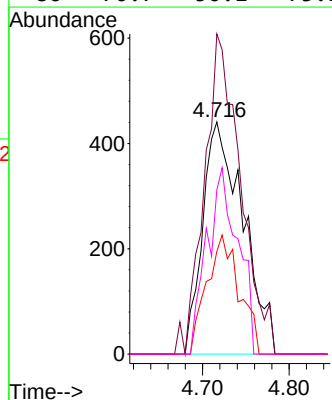
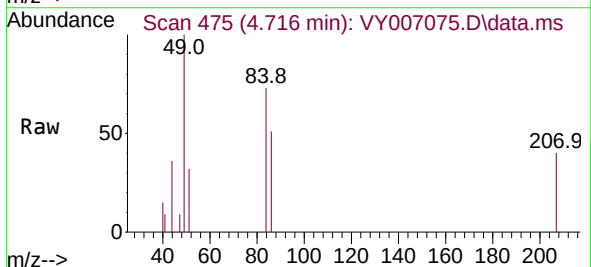
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

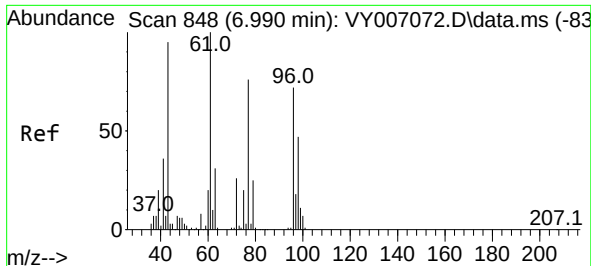
Tgt Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
58 31.2 23.8 35.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 84 Resp: 1430
Ion Ratio Lower Upper
84 100
49 137.9 92.6 139.0
51 44.2 28.6 42.8#
86 70.7 50.1 75.1

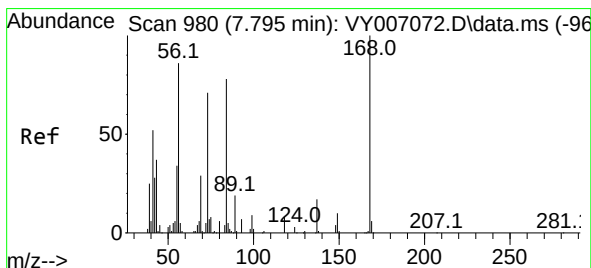
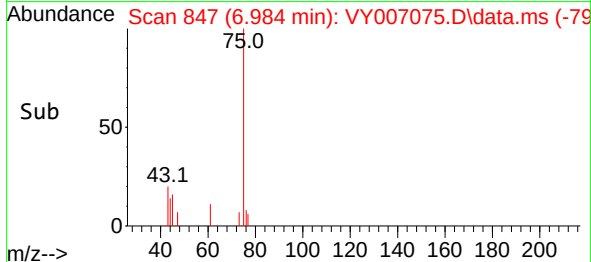
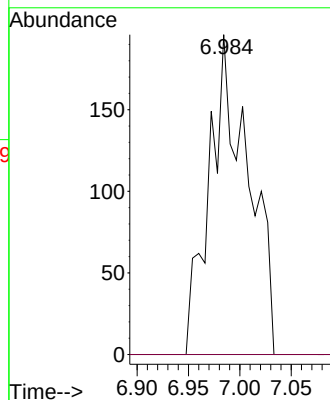
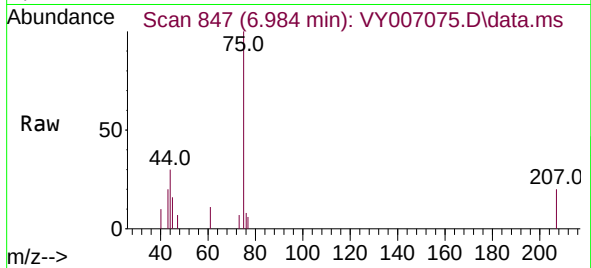




#25
2-Butanone
Concen: 1.213 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

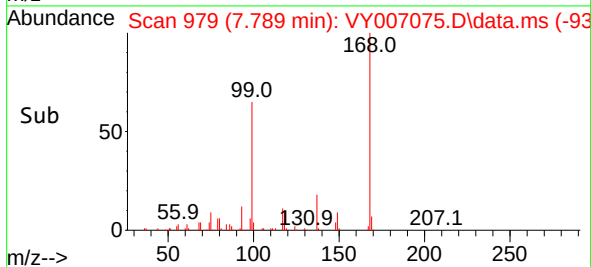
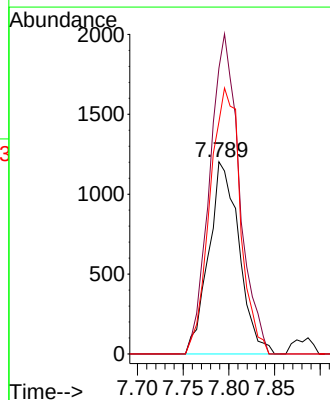
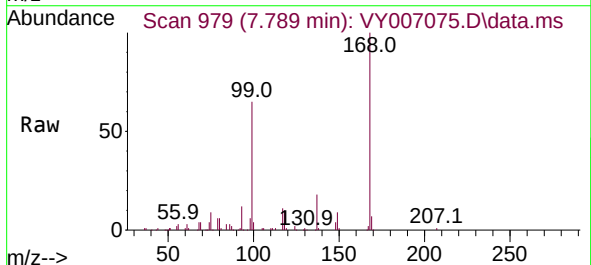
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

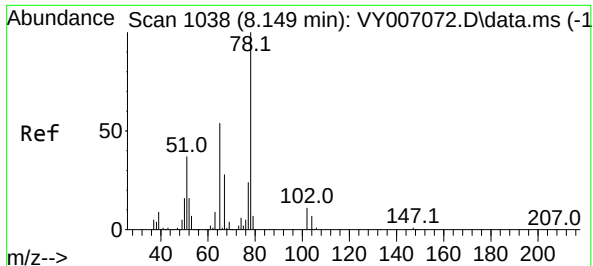
Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 56 Resp: 2768
Ion Ratio Lower Upper
56 100
69 148.7 27.2 40.8#
84 120.7 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 49.283 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY007075.D

Acq: 08 Jan 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

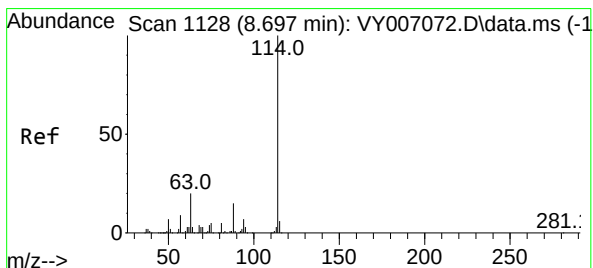
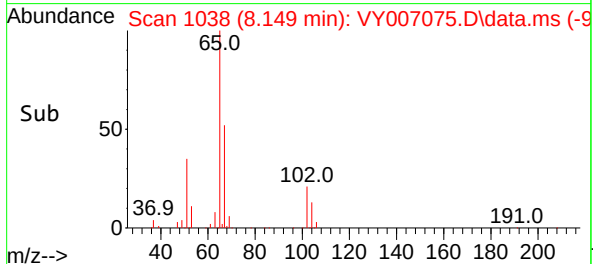
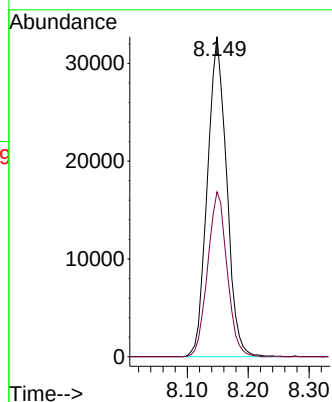
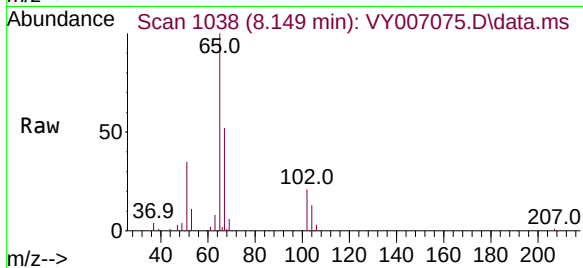
VIBLK

Tgt Ion: 65 Resp: 71869

Ion Ratio Lower Upper

65 100

67 51.9 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: VY007075.D

Acq: 08 Jan 2022 13:14

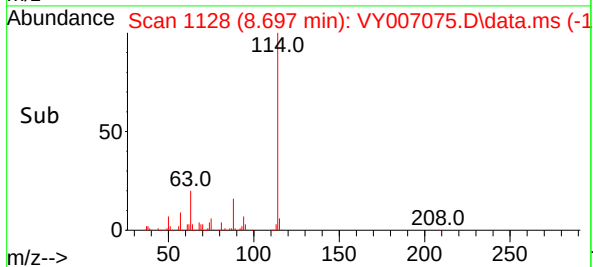
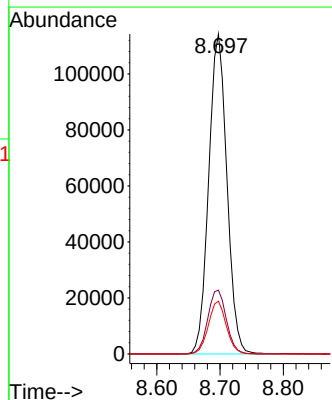
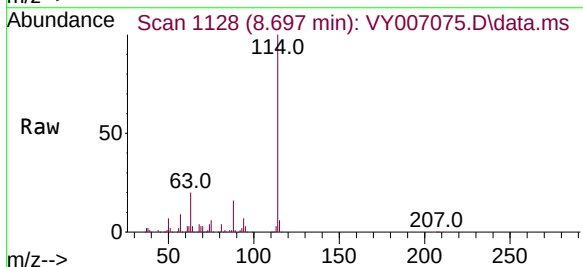
Tgt Ion: 114 Resp: 228314

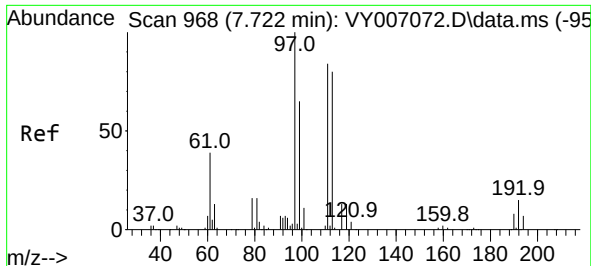
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 16.5 0.0 31.0

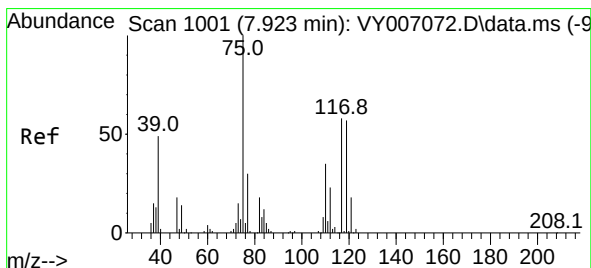
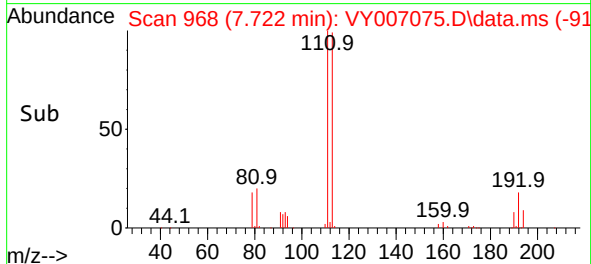
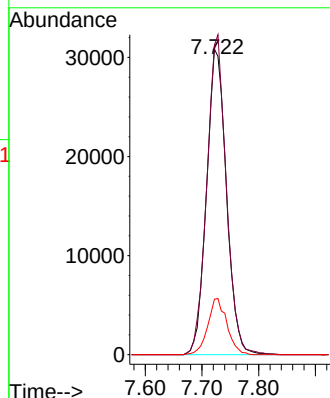
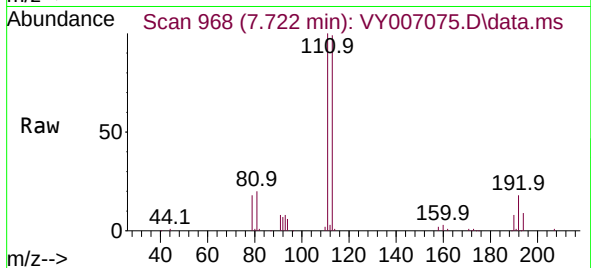




#35
Dibromofluoromethane
Concen: 49.449 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

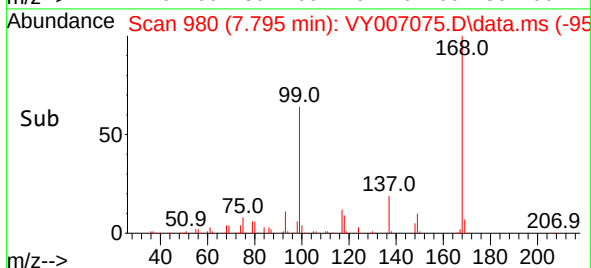
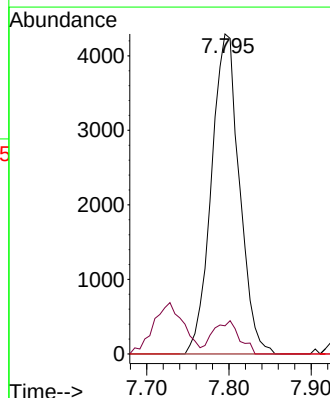
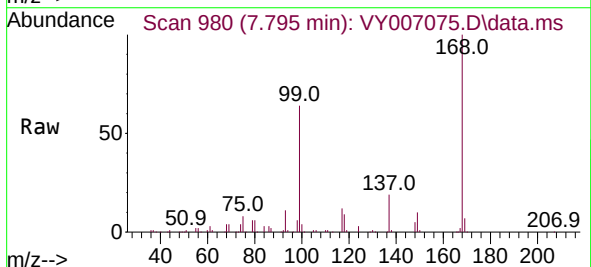
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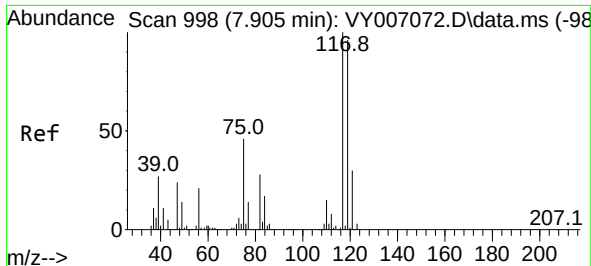
Tgt Ion:113 Resp: 75245
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.219 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 75 Resp: 10172
Ion Ratio Lower Upper
75 100
110 9.8 17.3 51.9#
77 0.0 24.7 37.1#

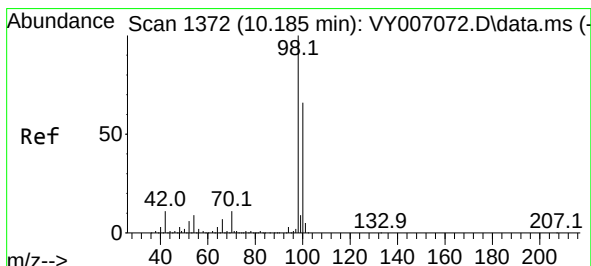
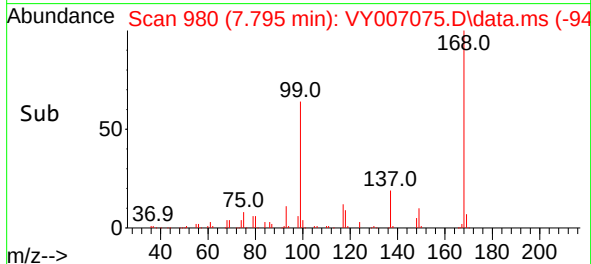
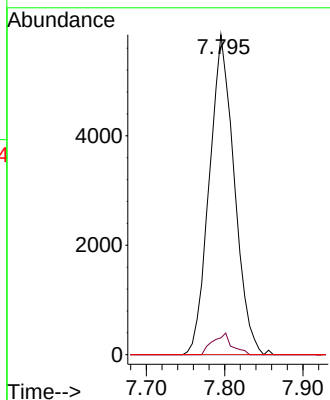
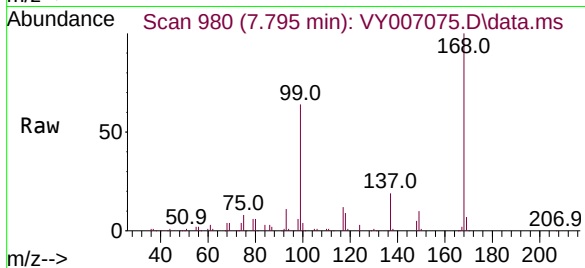




#38
Carbon Tetrachloride
Concen: 5.145 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

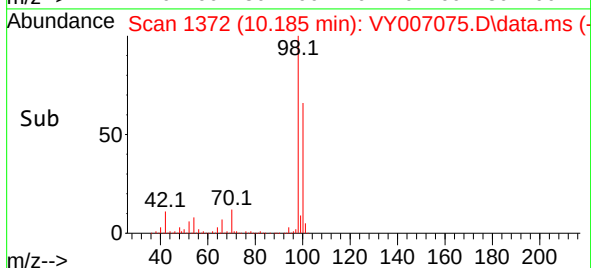
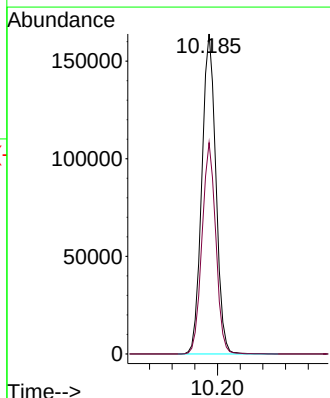
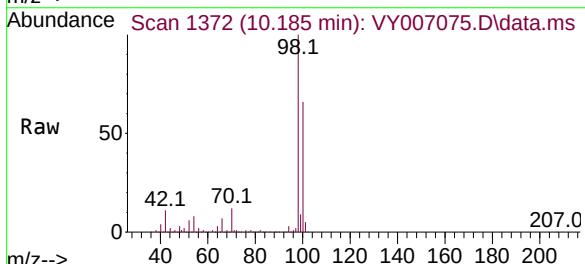
Instrument :
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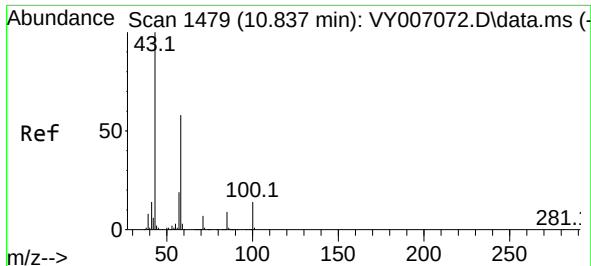
Tgt Ion:117 Resp: 12962
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.061 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 98 Resp: 281378
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#59

2-Hexanone

Concen: 1.017 ug/l

RT: 10.843 min Scan# 1479

Delta R.T. 0.006 min

Lab File: VY007075.D

Acq: 08 Jan 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

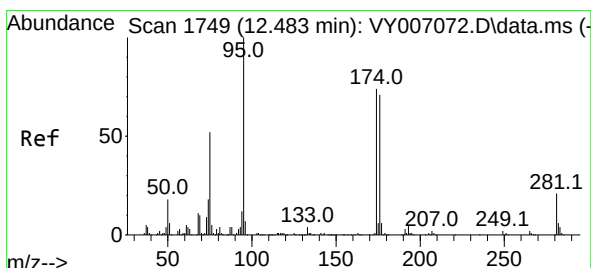
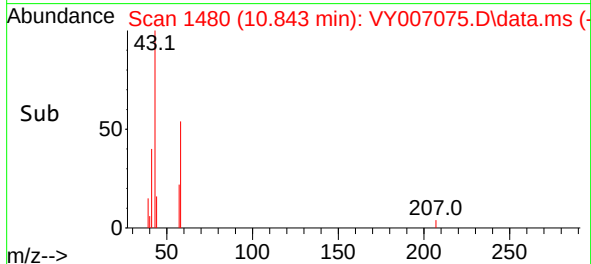
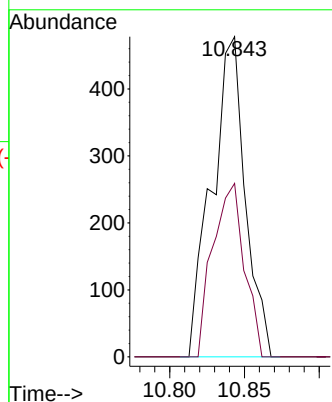
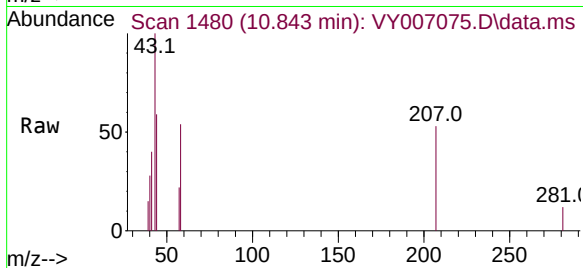
VIBLK

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

58 50.9 28.4 85.3



#62

4-Bromofluorobenzene

Concen: 49.649 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY007075.D

Acq: 08 Jan 2022 13:14

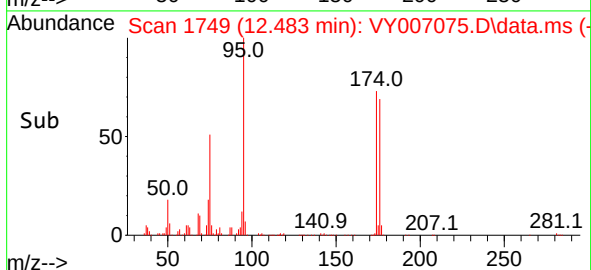
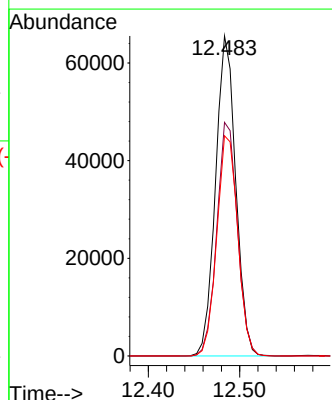
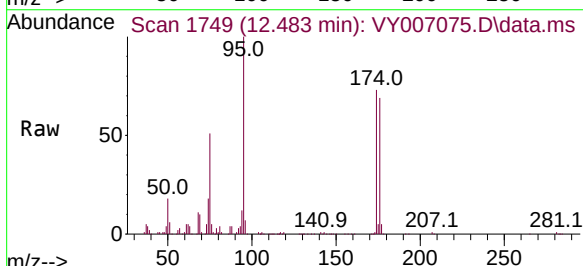
Tgt Ion: 95 Resp: 100644

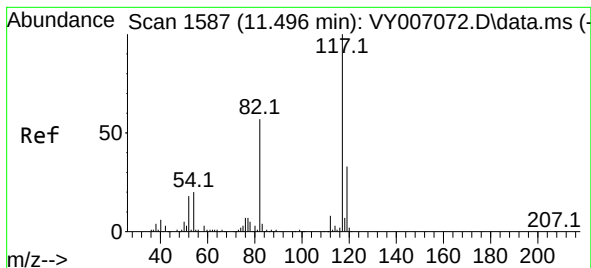
Ion Ratio Lower Upper

95 100

174 74.4 0.0 148.4

176 71.4 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: VY007075.D

Acq: 08 Jan 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

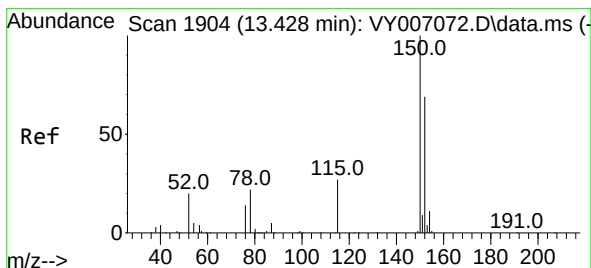
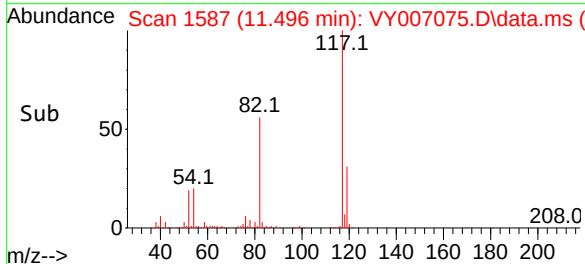
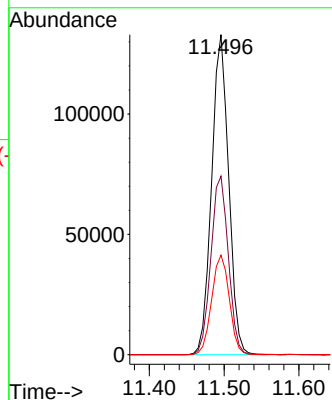
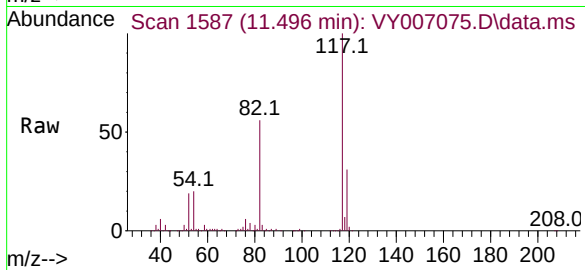
Tgt Ion:117 Resp: 210634

Ion Ratio Lower Upper

117 100

82 55.8 45.4 68.0

119 31.1 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: VY007075.D

Acq: 08 Jan 2022 13:14

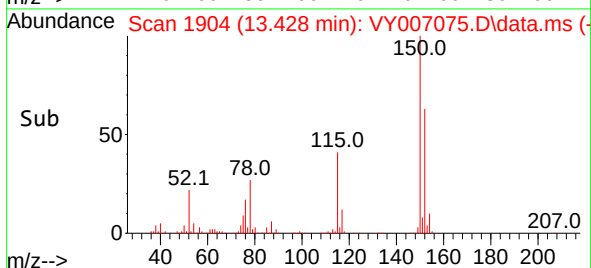
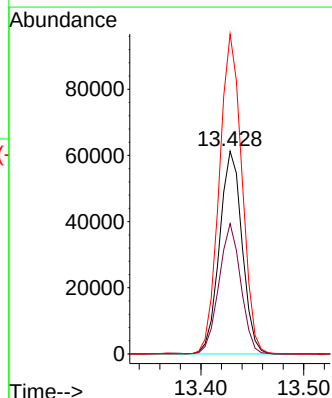
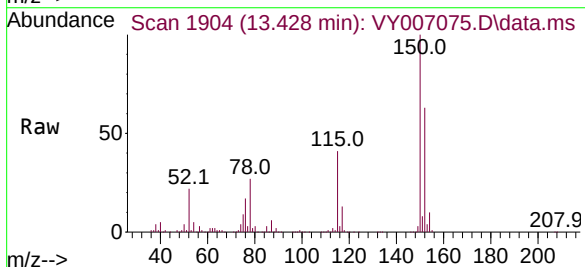
Tgt Ion:152 Resp: 93479

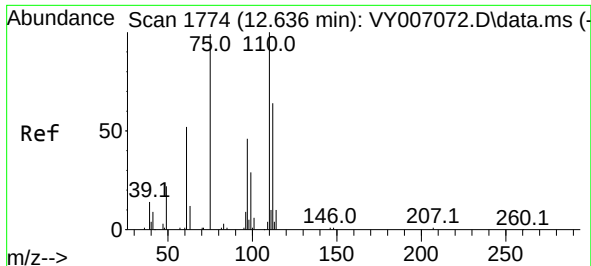
Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.0

150 157.8 0.0 348.4

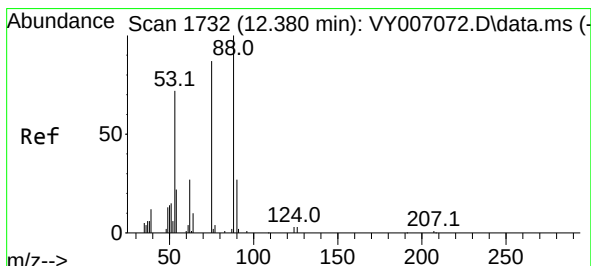
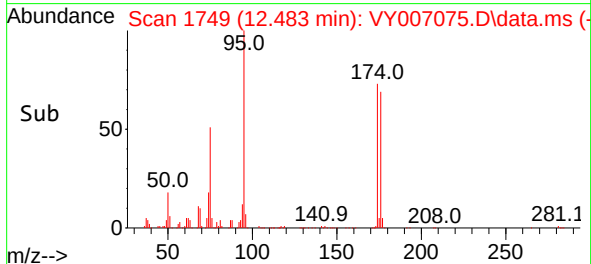
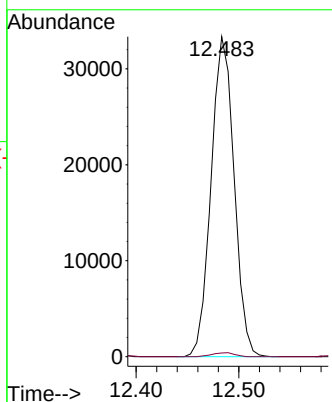
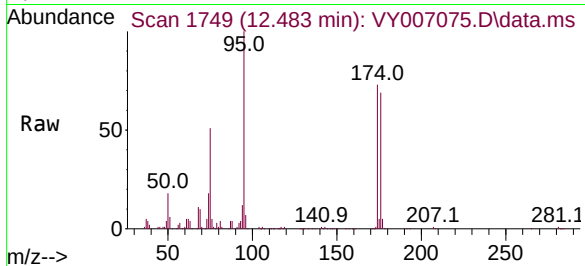




#76
1,2,3-Trichloropropane
Concen: 48.589 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

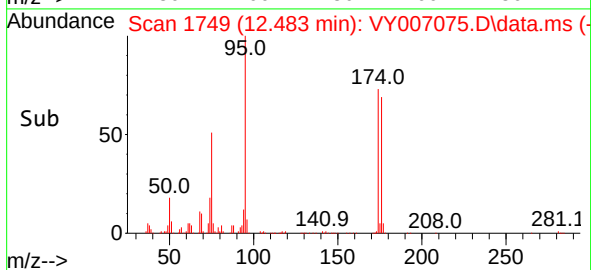
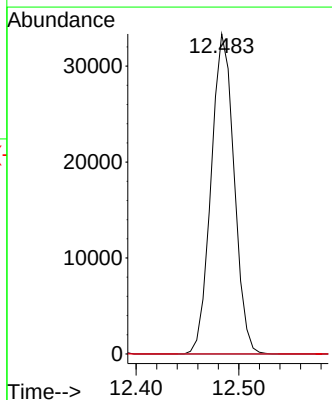
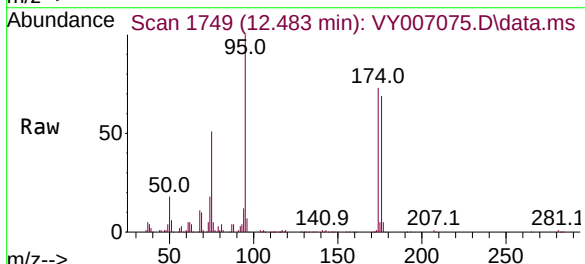
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

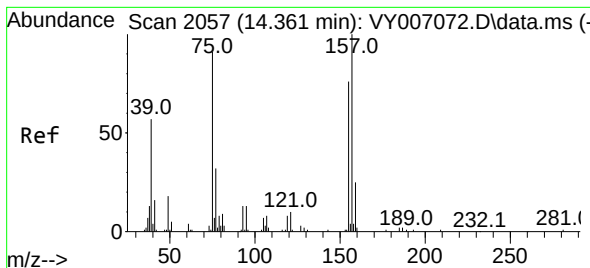
Tgt Ion: 75 Resp: 51838
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.263 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007075.D
Acq: 08 Jan 2022 13:14

Tgt Ion: 75 Resp: 51838
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 0.0 0.0

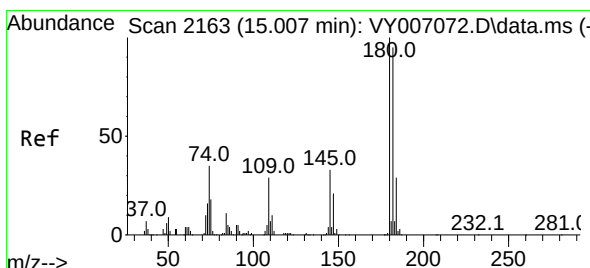
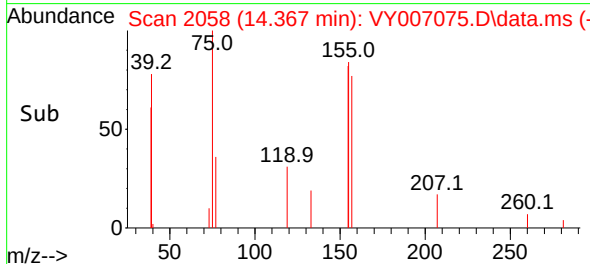
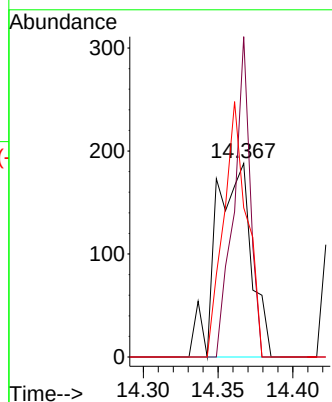
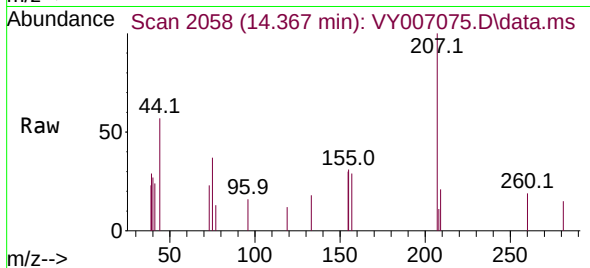




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.227 ug/l
 RT: 14.367 min Scan# 2058
 Delta R.T. 0.006 min
 Lab File: VY007075.D
 Acq: 08 Jan 2022 13:14

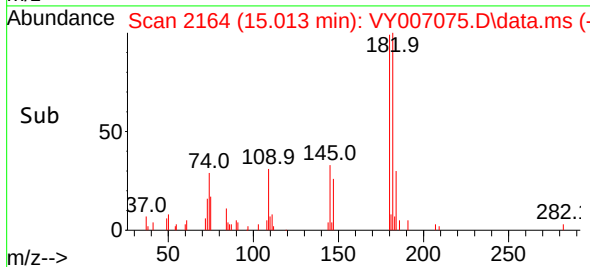
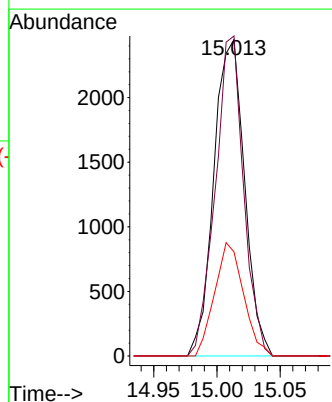
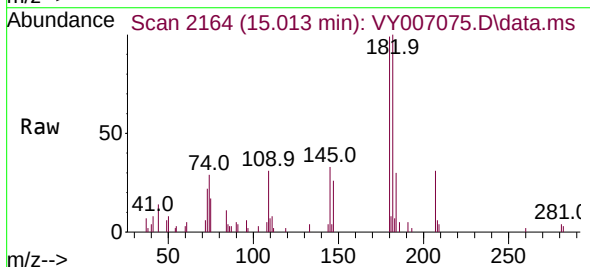
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

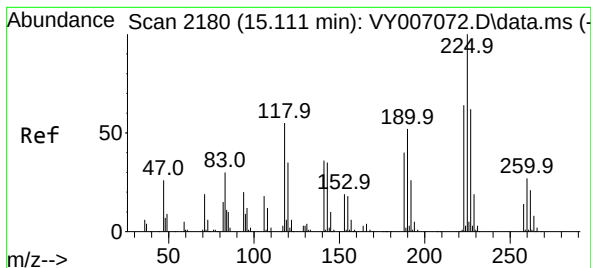
Tgt Ion: 75 Resp: 310
 Ion Ratio Lower Upper
 75 100
 155 76.5 40.1 120.2
 157 86.8 51.7 155.2



#93
 1,2,4-Trichlorobenzene
 Concen: 2.337 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.006 min
 Lab File: VY007075.D
 Acq: 08 Jan 2022 13:14

Tgt Ion: 180 Resp: 4127
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.6 142.8
 145 33.8 16.4 49.1





#94

Hexachlorobutadiene

Concen: 1.610 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY007075.D

Acq: 08 Jan 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

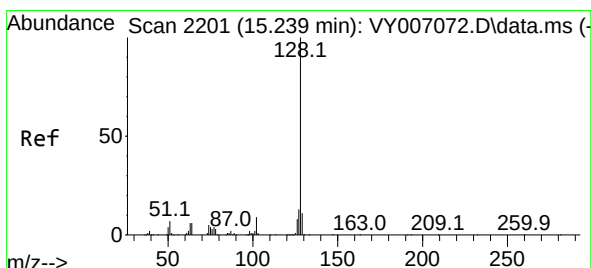
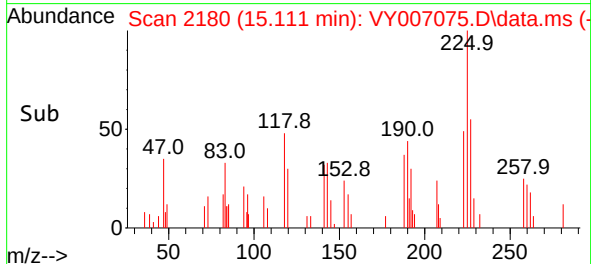
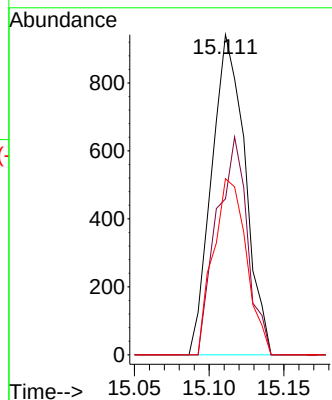
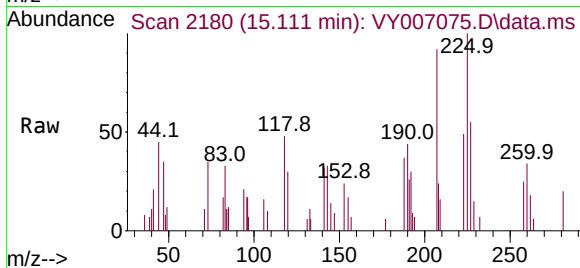
Tgt Ion:225 Resp: 1464

Ion Ratio Lower Upper

225 100

223 62.6 32.6 97.8

227 54.4 32.0 96.2



#95

Naphthalene

Concen: 2.938 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY007075.D

Acq: 08 Jan 2022 13:14

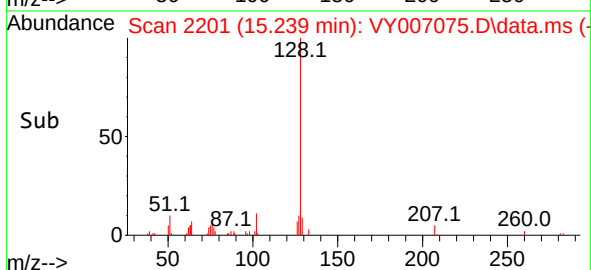
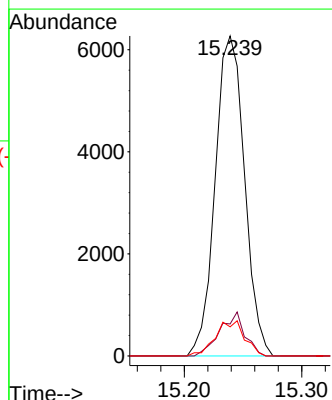
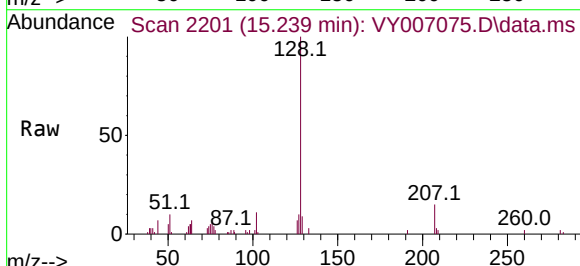
Tgt Ion:128 Resp: 10882

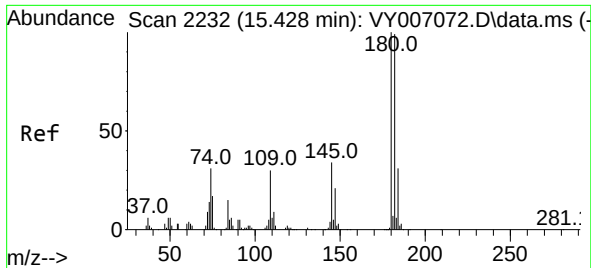
Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

129 10.9 8.9 13.3





#96

1,2,3-Trichlorobenzene

Concen: 2.813 ug/l

RT: 15.428 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007075.D

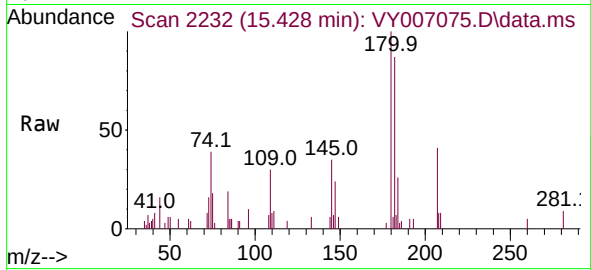
Acq: 08 Jan 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 4190

Ion Ratio Lower Upper

180 100

182 90.3 47.3 141.8

145 38.1 17.2 51.5

