

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022123\
 Data File : VY012680.D
 Acq On : 21 Feb 2023 17:33
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 22 01:28:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

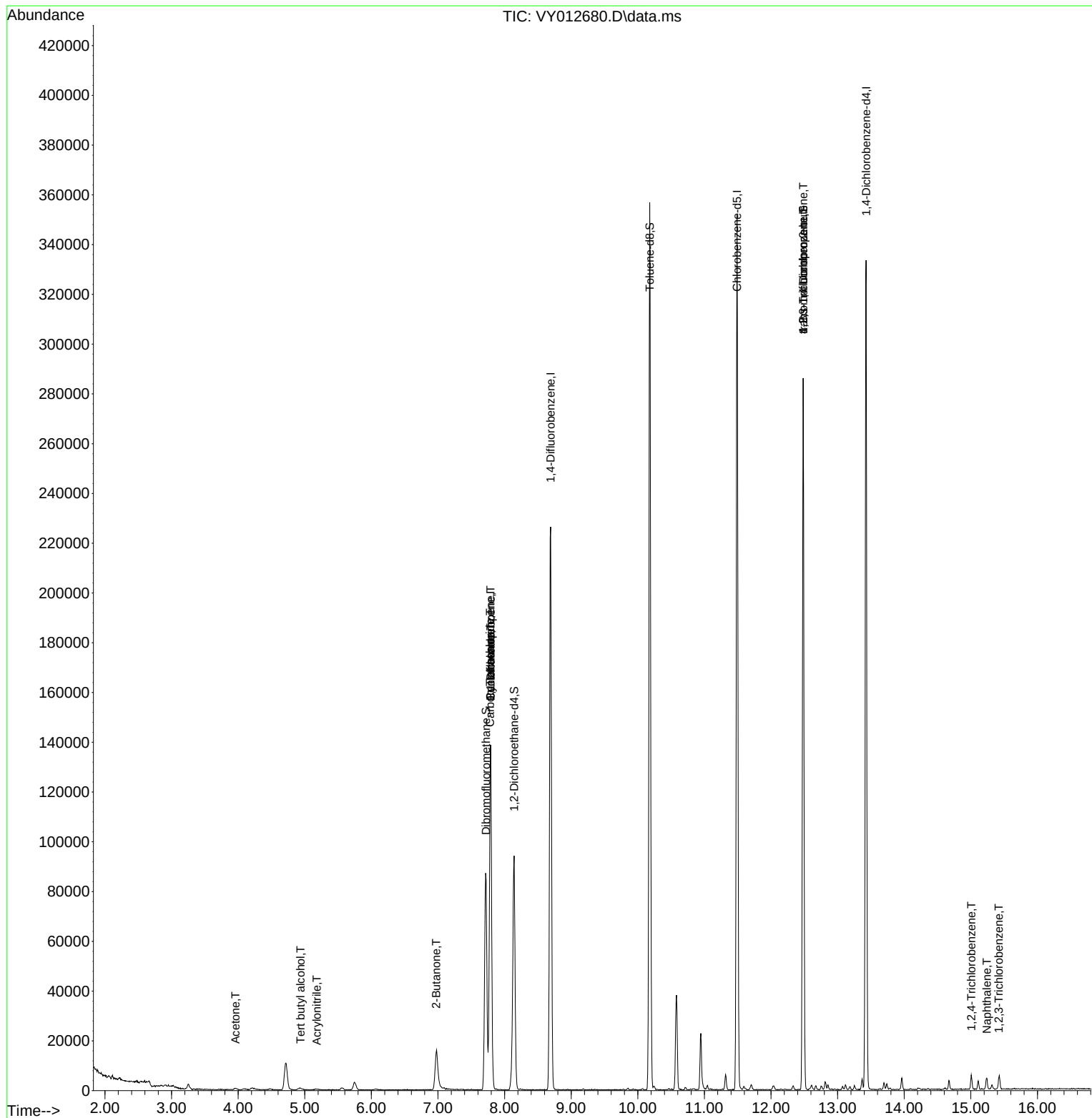
Internal Standards						
1) Pentafluorobenzene	7.789	168	105646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	69079	55.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.720%
35) Dibromofluoromethane	7.722	113	61256	48.848	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.700%
50) Toluene-d8	10.178	98	225079	47.909	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.483	95	77311	51.424	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	833	Below Cal	#	84
11) Tert butyl alcohol	4.935	59	153	1.121	ug/l #	74
15) Acrylonitrile	5.179	53	375	1.018	ug/l #	34
16) Acetone	3.960	43	1241	3.048	ug/l #	85
20) Methylene Chloride	4.716	84	7556	Below Cal		94
25) 2-Butanone	6.972	43	1702	3.150	ug/l #	52
31) Cyclohexane	7.789	56	2672	1.233	ug/l #	3
36) 1,1-Dichloropropene	7.789	75	8619	4.336	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10283	5.003	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.788	63	93	Below Cal	#	49
76) 1,2,3-Trichloropropane	12.483	75	41700	40.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41700	85.475	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.007	180	1749	1.077	ug/l	98
95) Naphthalene	15.239	128	4013	1.223	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.421	180	1919	1.335	ug/l	98

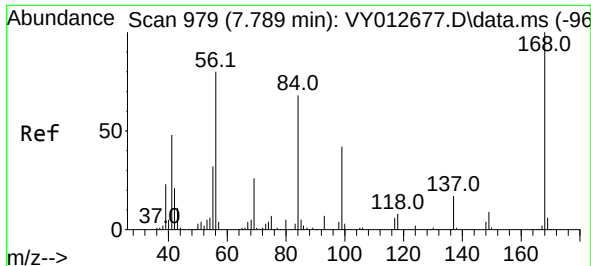
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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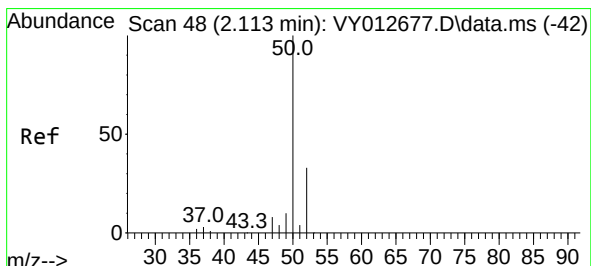
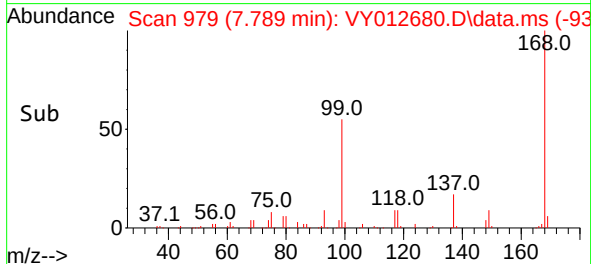
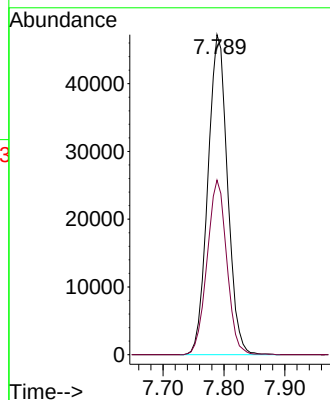
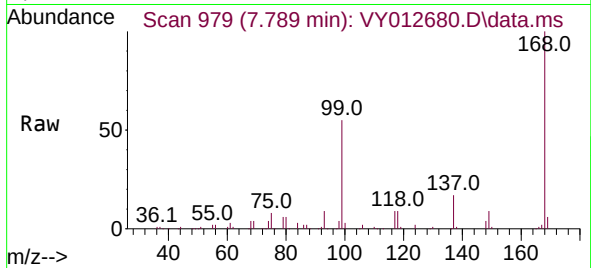




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

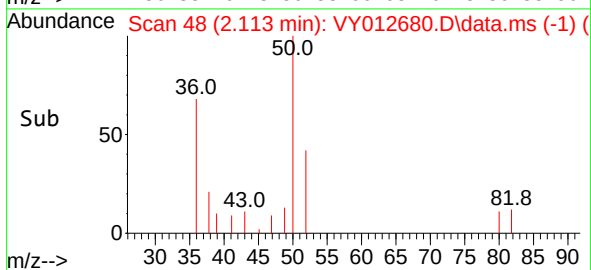
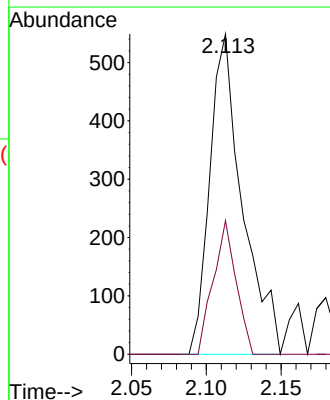
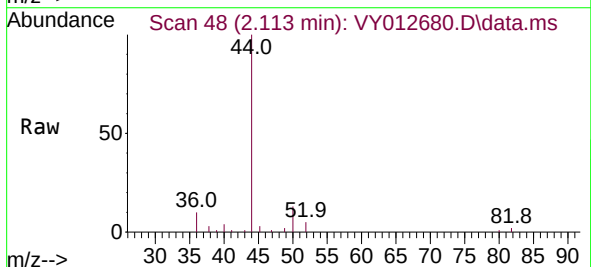
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

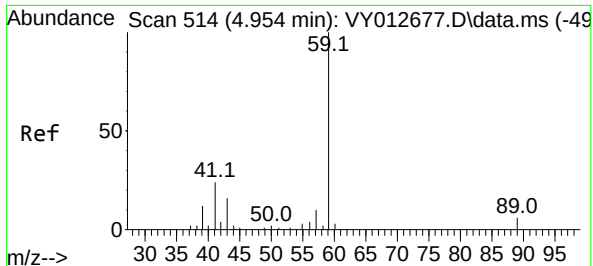
Tgt Ion:168 Resp: 105646
Ion Ratio Lower Upper
168 100
99 54.6 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

Tgt Ion: 50 Resp: 833
Ion Ratio Lower Upper
50 100
52 41.7 26.1 39.1#

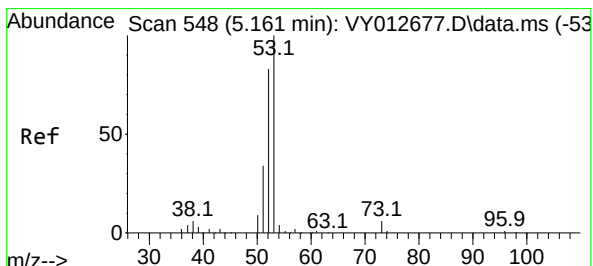
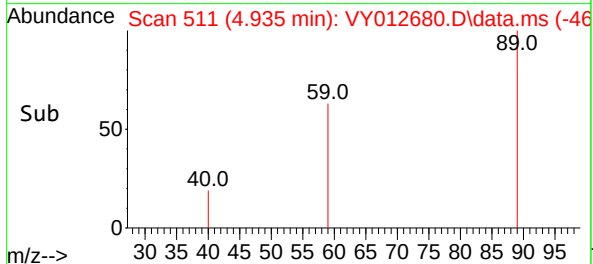
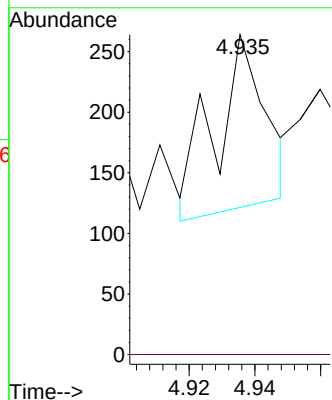
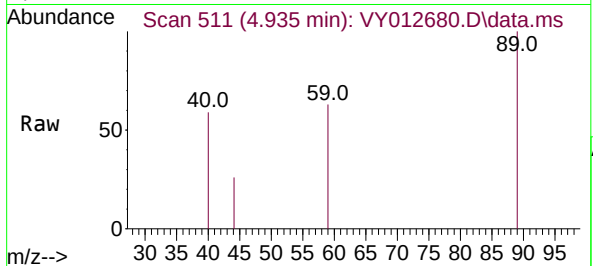




#11
Tert butyl alcohol
Concen: 1.121 ug/l
RT: 4.935 min Scan# 511
Delta R.T. -0.019 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

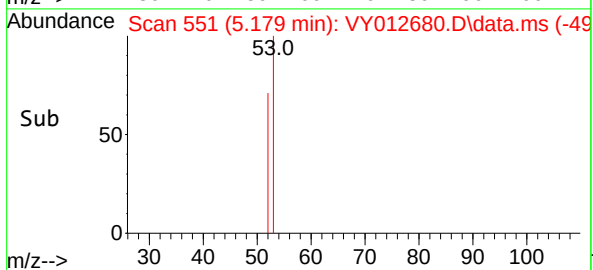
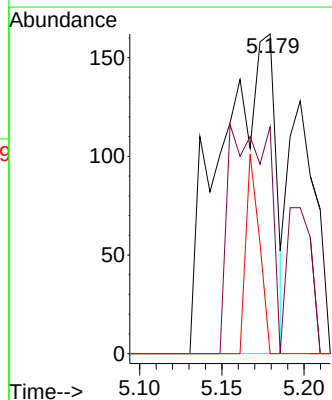
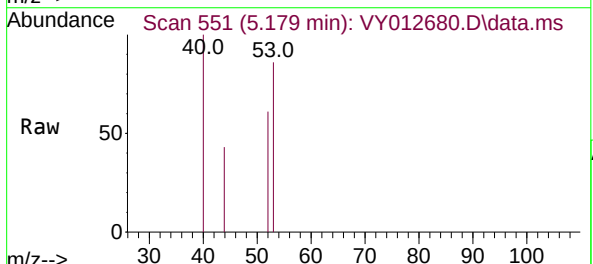
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

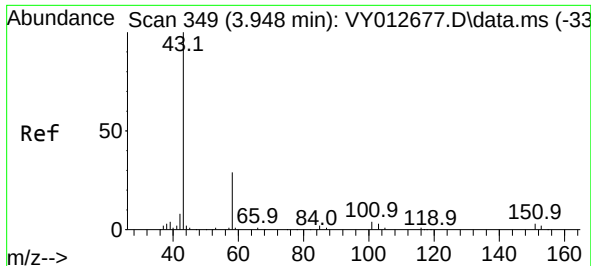
Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#15
Acrylonitrile
Concen: 1.018 ug/l
RT: 5.179 min Scan# 551
Delta R.T. 0.018 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

Tgt Ion: 53 Resp: 375
Ion Ratio Lower Upper
53 100
52 20.3 65.2 97.8#
51 0.0 28.6 43.0#





#16

Acetone

Concen: 3.048 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

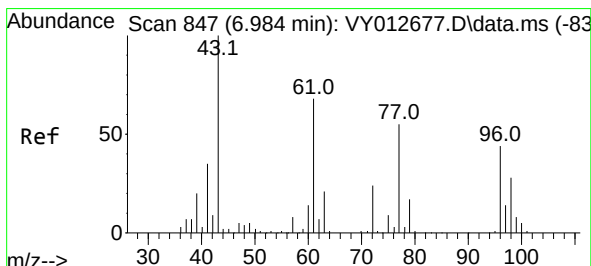
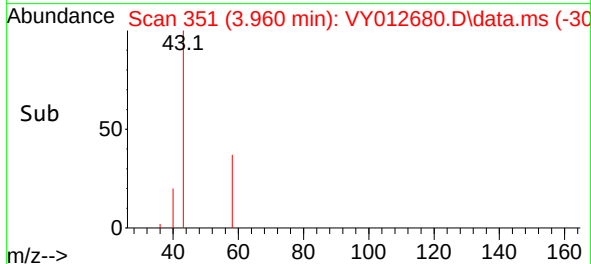
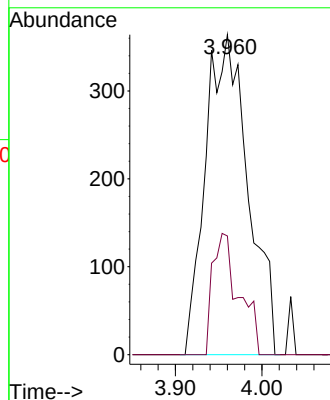
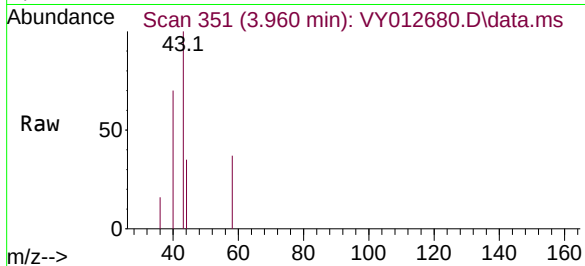
VIBLK

Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

58 37.1 23.3 34.9#



#25

2-Butanone

Concen: 3.150 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.013 min

Lab File: VY012680.D

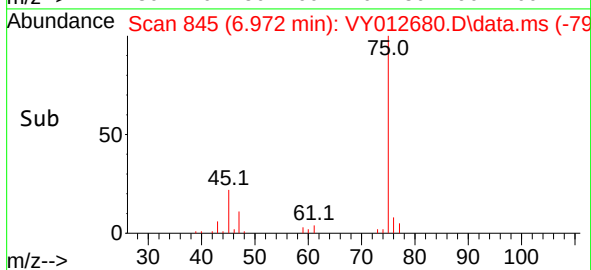
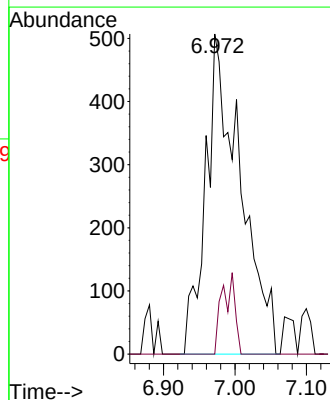
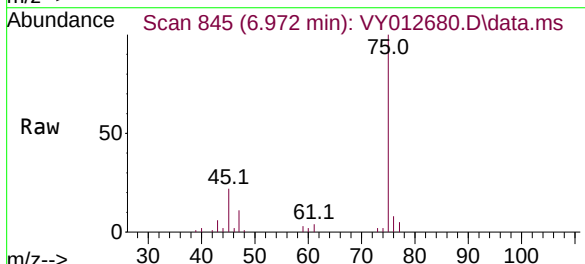
Acq: 21 Feb 2023 17:33

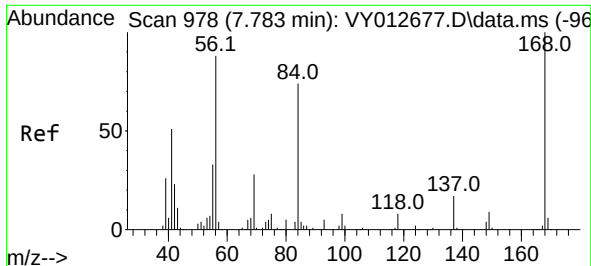
Tgt Ion: 43 Resp: 1702

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#

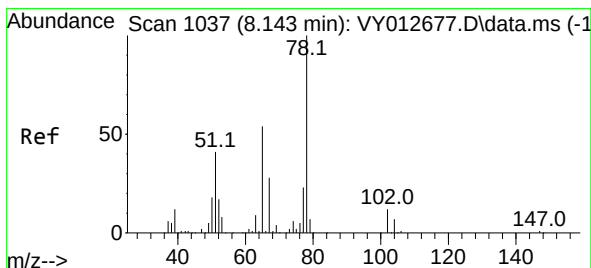
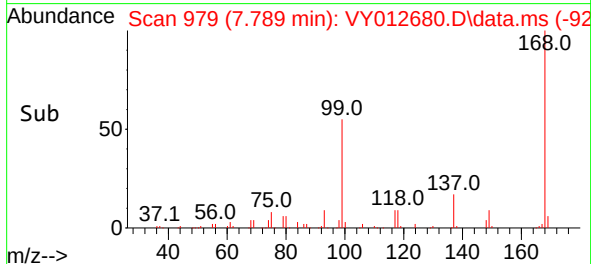
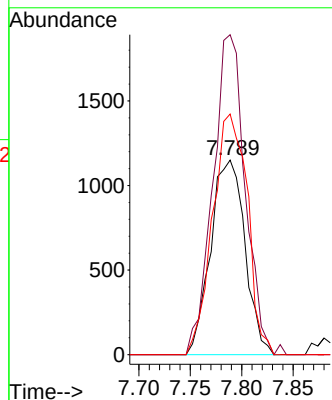
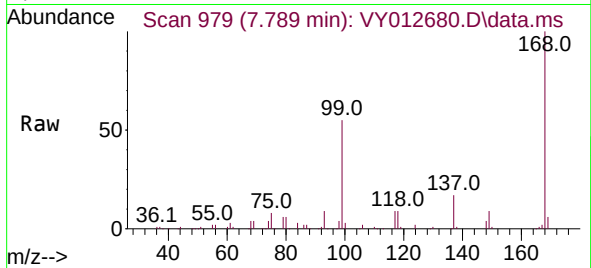




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

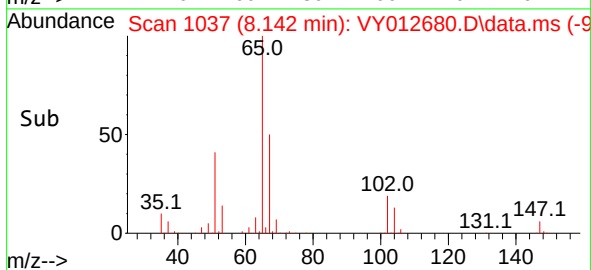
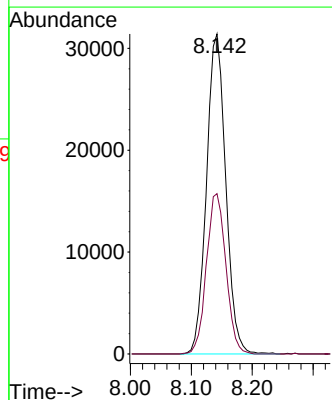
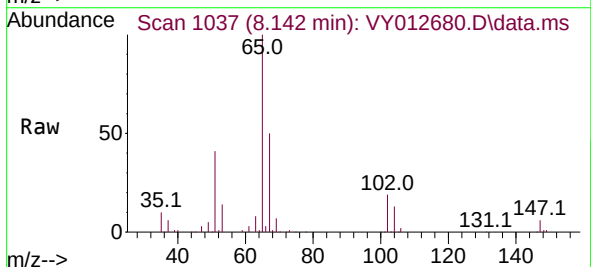
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

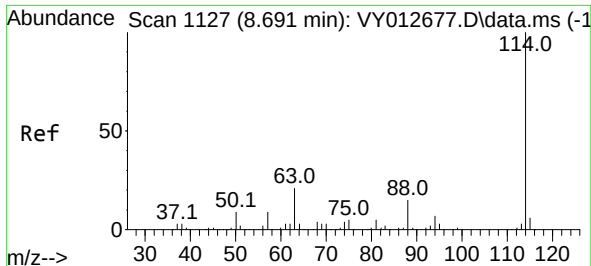
Tgt Ion: 56 Resp: 2672
Ion Ratio Lower Upper
56 100
69 164.5 25.4 38.2#
84 123.7 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 55.364 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

Tgt Ion: 65 Resp: 69079
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

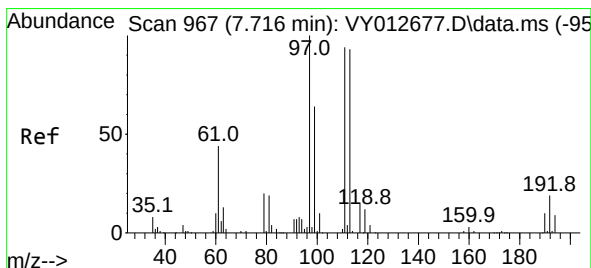
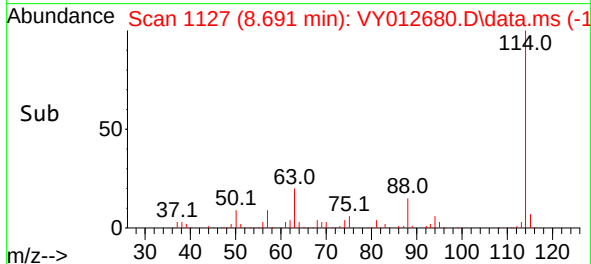
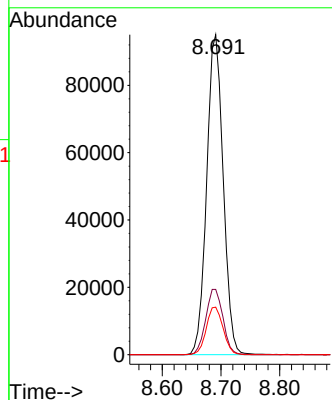
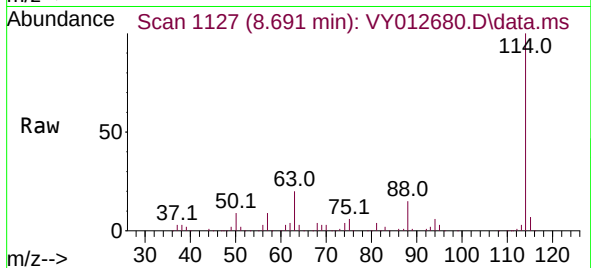
Tgt Ion:114 Resp: 185661

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 14.8 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.848 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

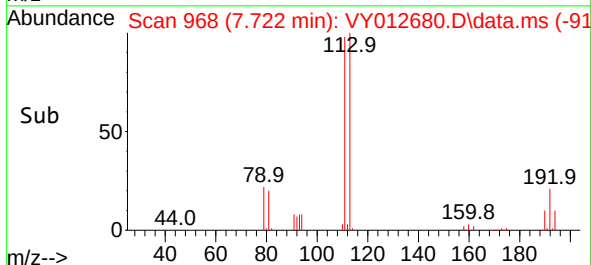
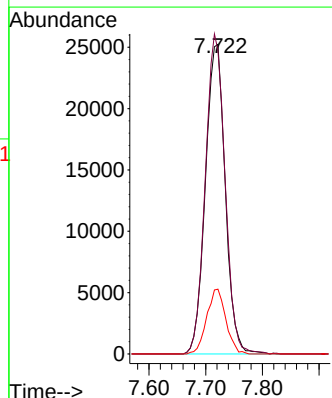
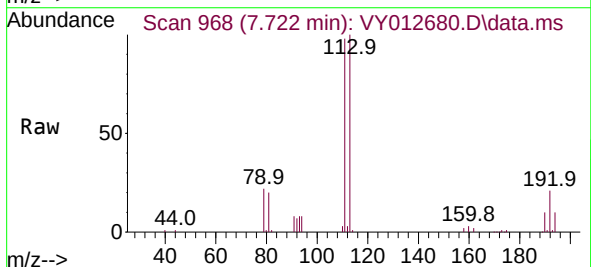
Tgt Ion:113 Resp: 61256

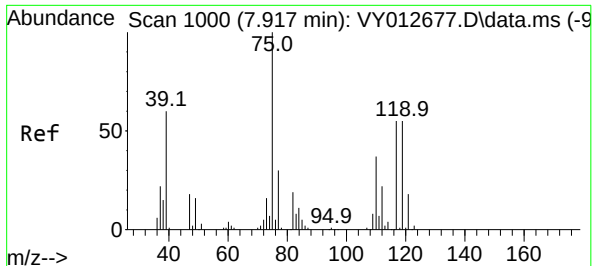
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 20.2 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.336 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

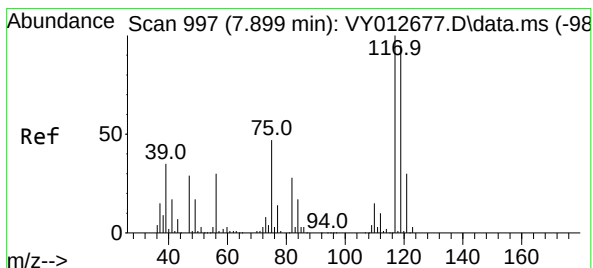
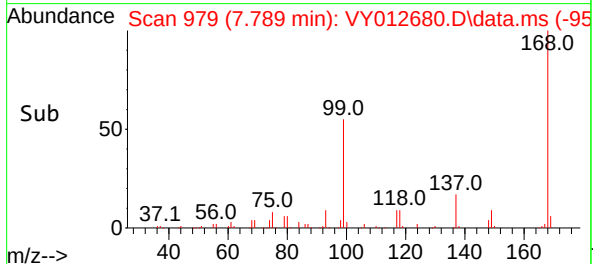
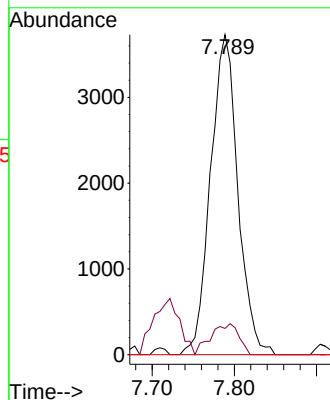
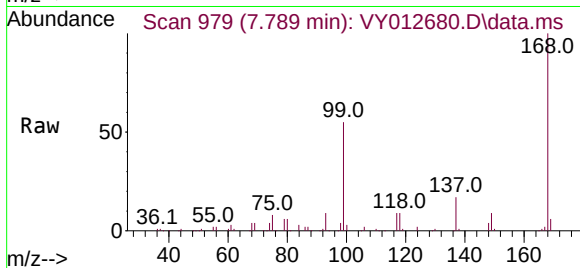
Tgt Ion: 75 Resp: 8619

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.003 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

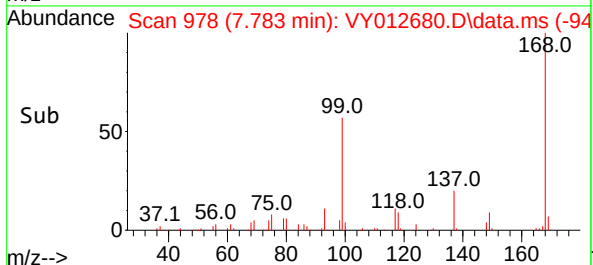
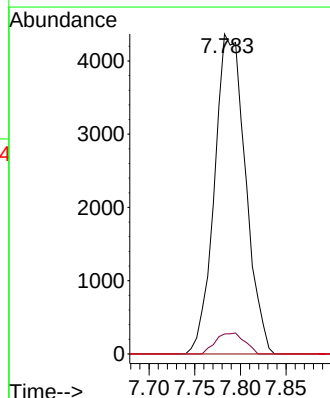
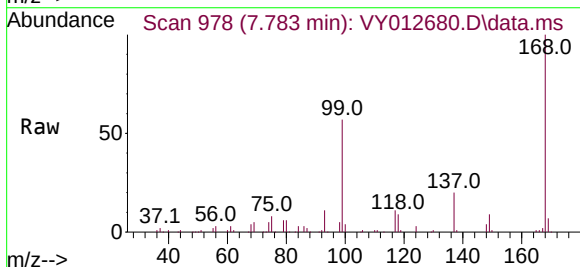
Tgt Ion: 117 Resp: 10283

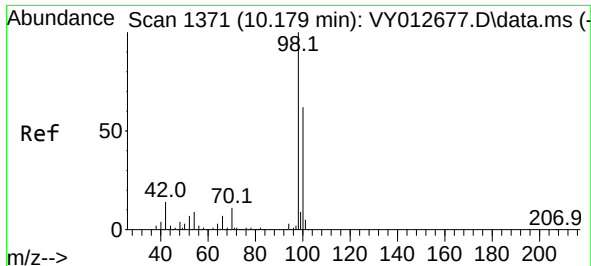
Ion Ratio Lower Upper

117 100

119 6.3 75.5 113.3#

121 0.0 23.8 35.8#

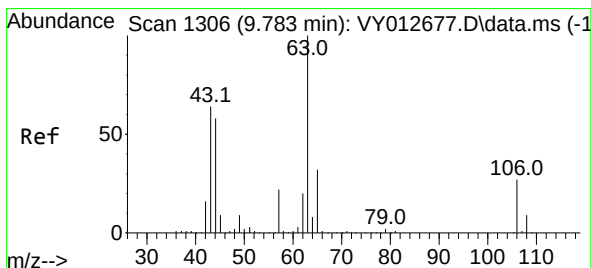
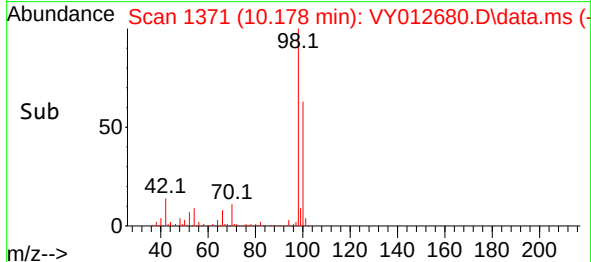
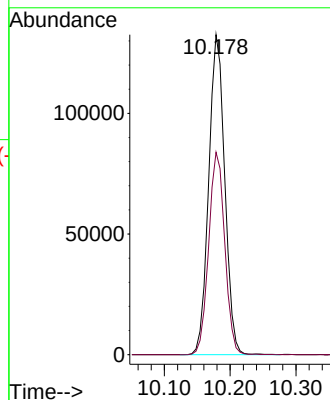
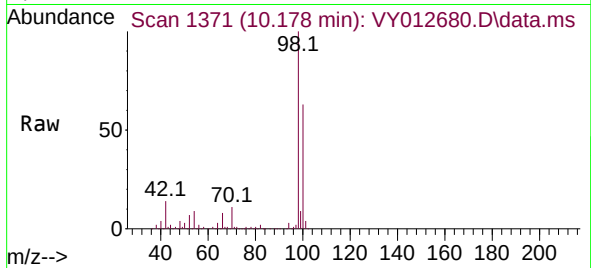




#50
Toluene-d8
Concen: 47.909 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

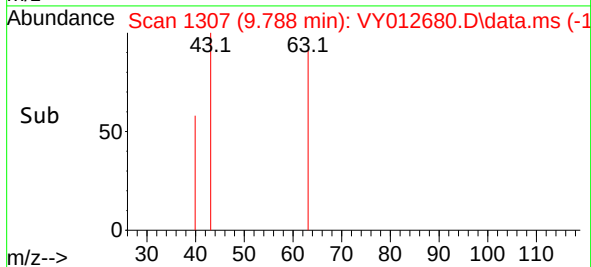
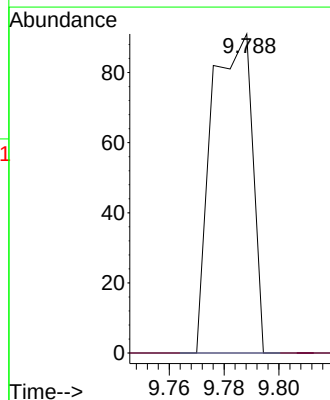
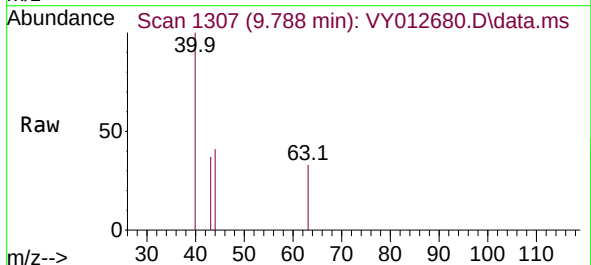
Instrument :
MSVOA_Y
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VIBLK

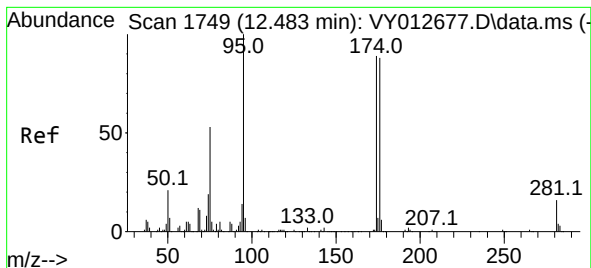
Tgt Ion: 98 Resp: 225079
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.788 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

Tgt Ion: 63 Resp: 93
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#

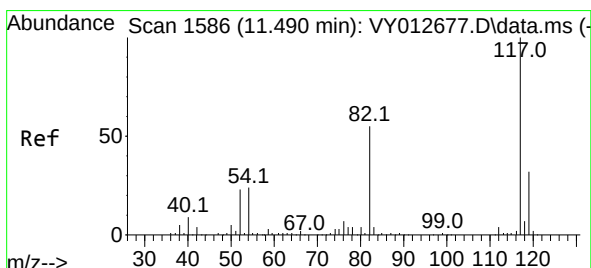
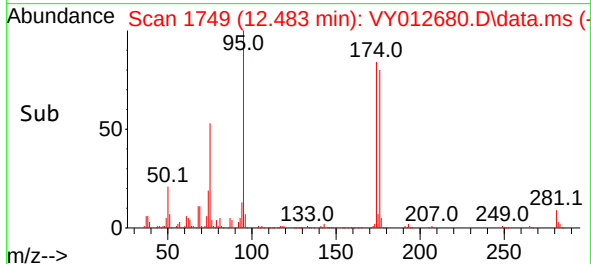
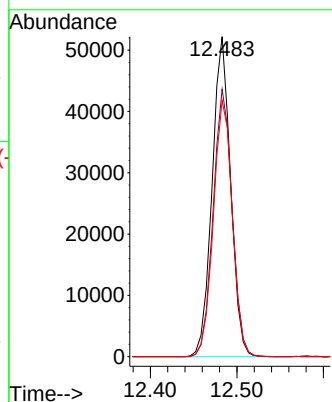
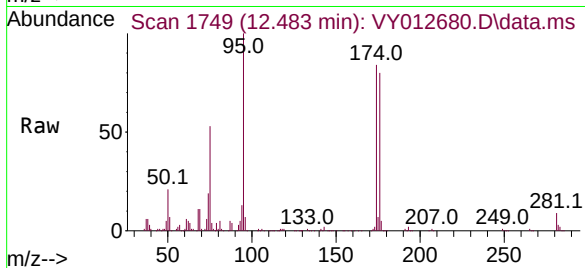




#62
4-Bromofluorobenzene
Concen: 51.424 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

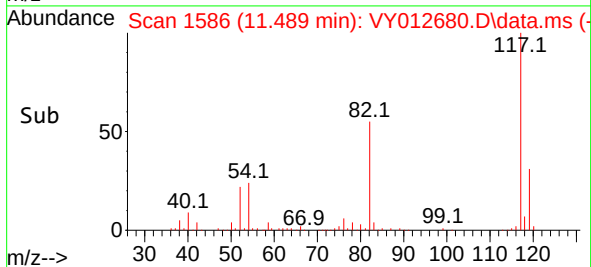
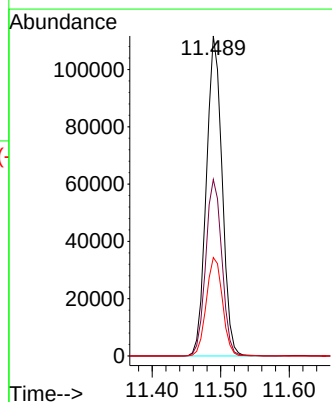
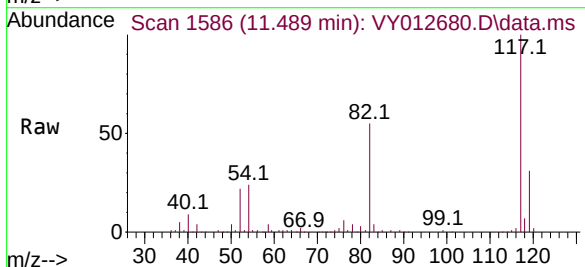
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

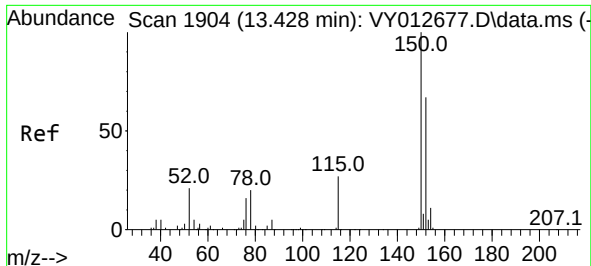
Tgt Ion: 95 Resp: 77311
Ion Ratio Lower Upper
95 100
174 85.8 0.0 172.8
176 82.4 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

Tgt Ion: 117 Resp: 178870
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 30.8 25.5 38.3

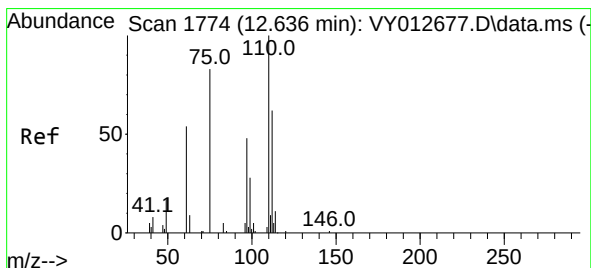
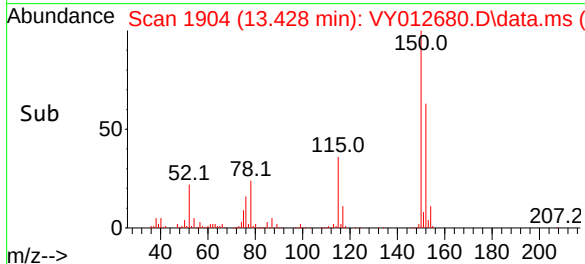
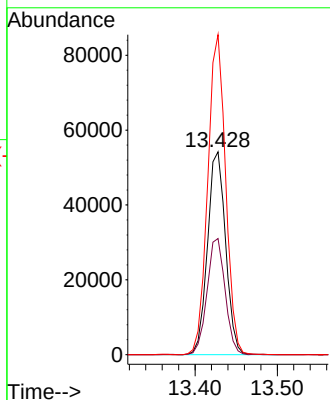
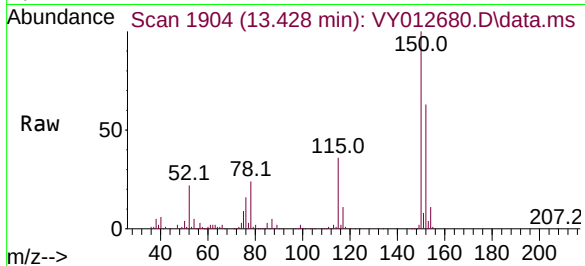




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012680.D
 Acq: 21 Feb 2023 17:33

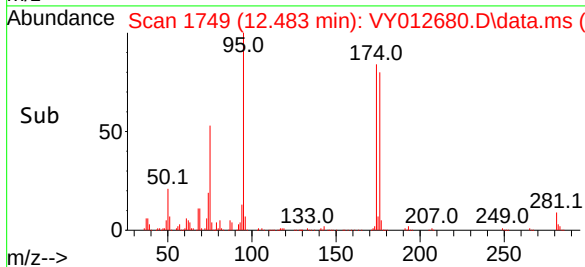
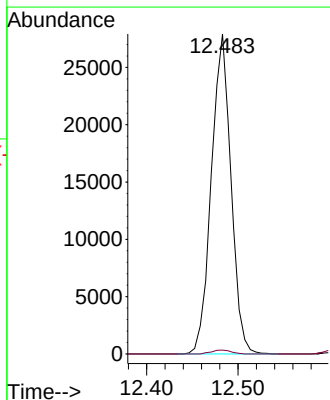
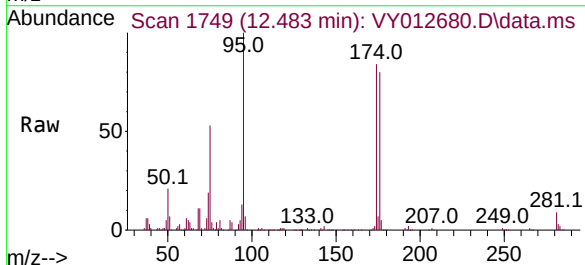
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

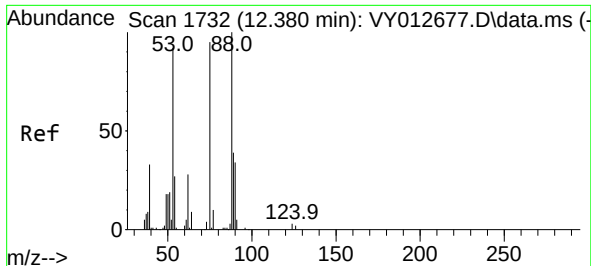
Tgt Ion:152 Resp: 82903
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.7 86.3
 150 156.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 40.347 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY012680.D
 Acq: 21 Feb 2023 17:33

Tgt Ion: 75 Resp: 41700
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

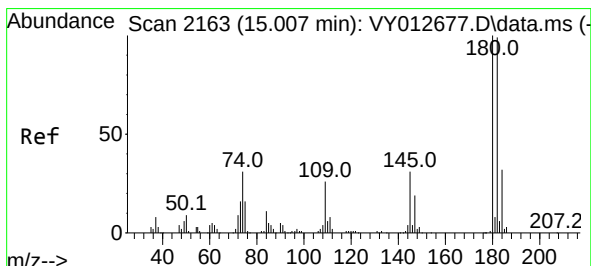
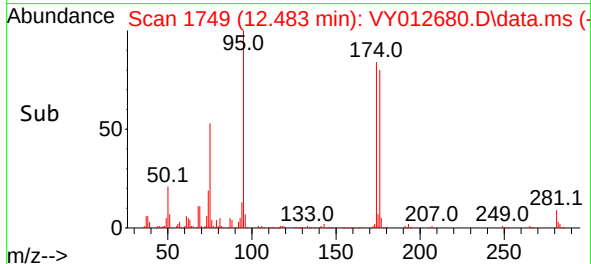
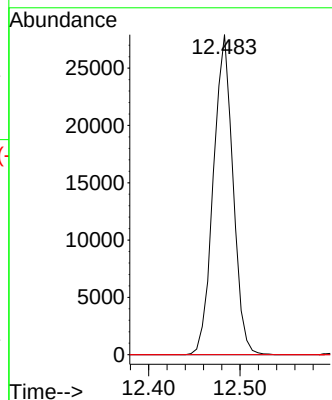
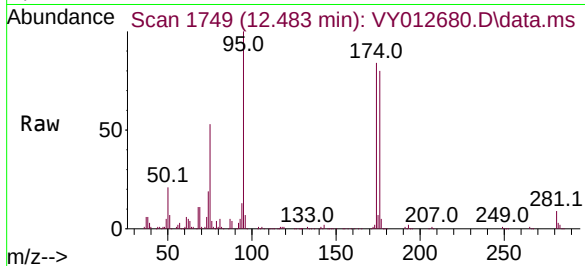




#81
trans-1,4-Dichloro-2-butene
Concen: 85.475 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

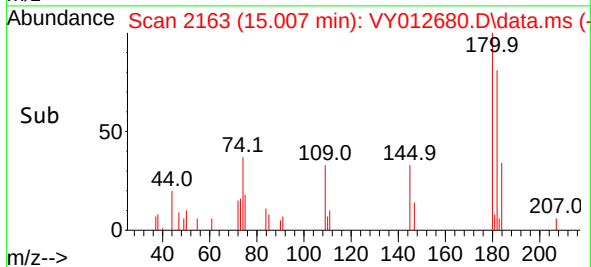
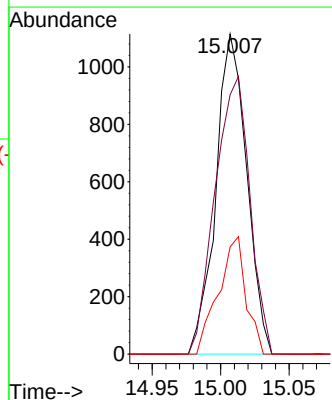
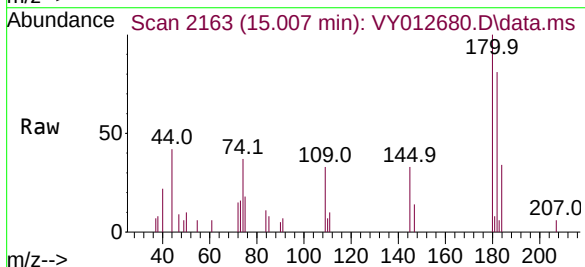
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

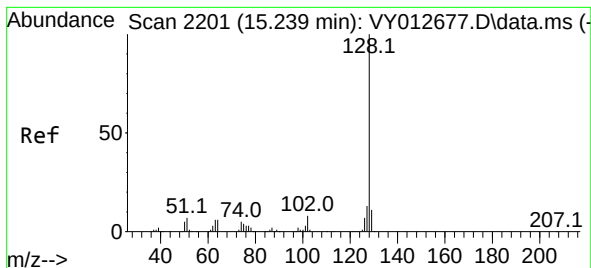
Tgt Ion: 75 Resp: 41700
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 36.5 54.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.077 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY012680.D
Acq: 21 Feb 2023 17:33

Tgt Ion:180 Resp: 1749
Ion Ratio Lower Upper
180 100
182 97.7 48.0 144.2
145 32.6 15.0 45.0





#95

Naphthalene

Concen: 1.223 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

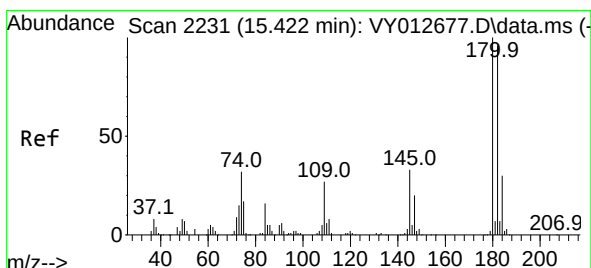
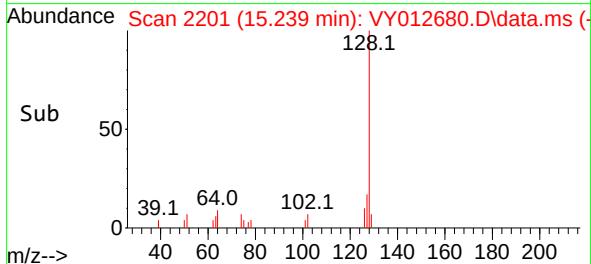
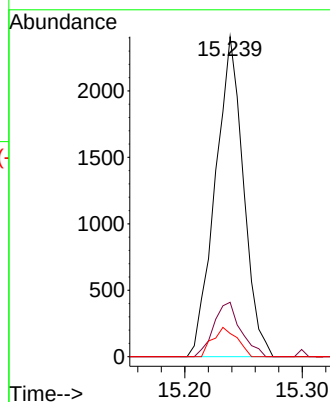
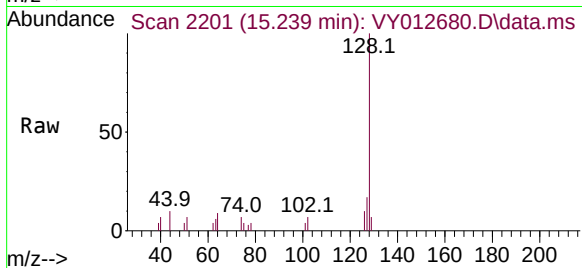
Tgt Ion:128 Resp: 4013

Ion Ratio Lower Upper

128 100

127 16.3 10.3 15.5#

129 7.9 9.0 13.6#



#96

1,2,3-Trichlorobenzene

Concen: 1.335 ug/l

RT: 15.421 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY012680.D

Acq: 21 Feb 2023 17:33

Tgt Ion:180 Resp: 1919

Ion Ratio Lower Upper

180 100

182 96.5 48.5 145.6

145 28.6 16.1 48.2

