

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013962.D
 Acq On : 01 Jun 2023 13:38
 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: Jun 02 07:04:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

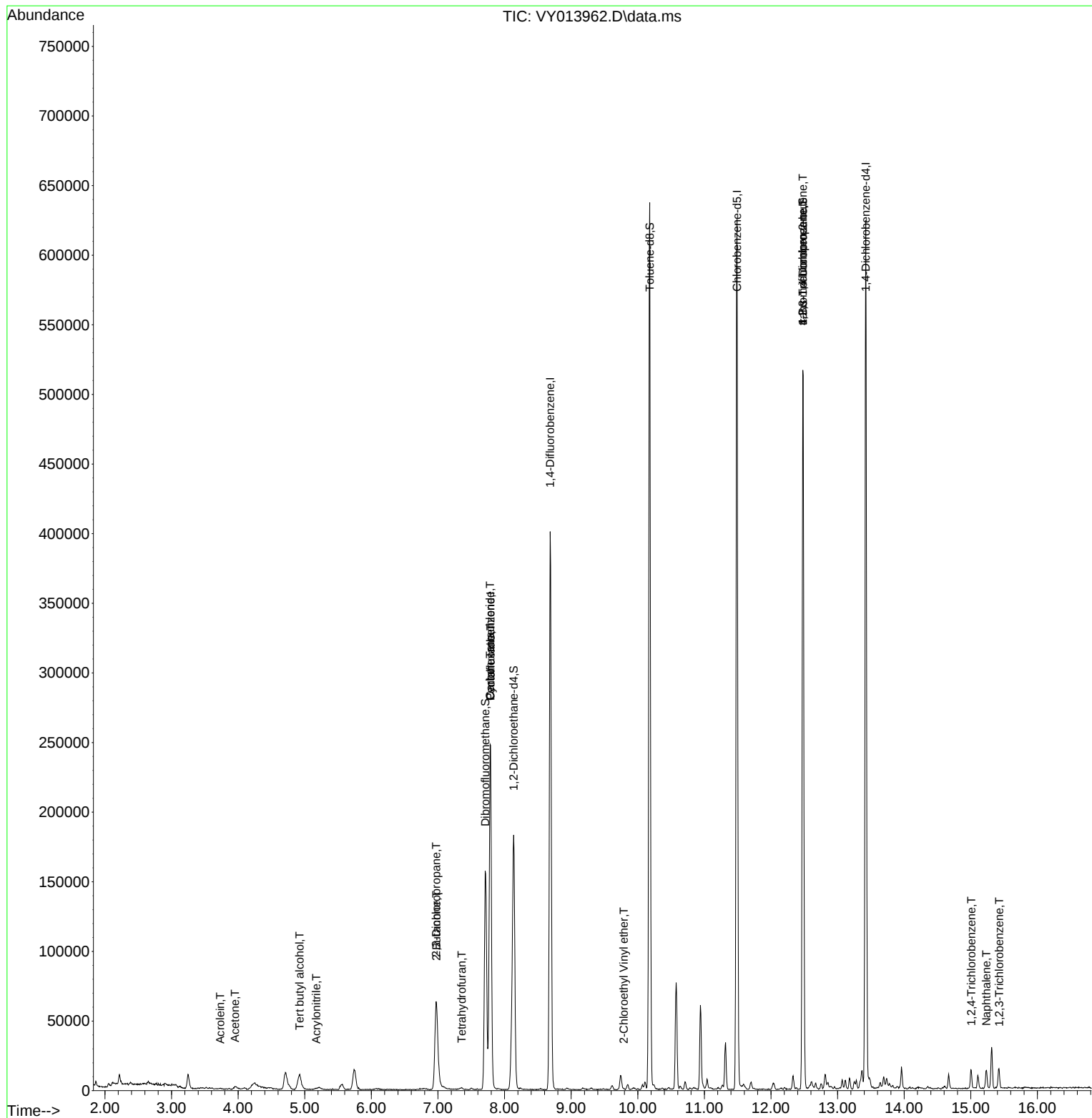
Internal Standards						
1) Pentafluorobenzene	7.789	168	192669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	333037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	135560	53.151	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.300%	
35) Dibromofluoromethane	7.710	113	109507	51.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.480%	
50) Toluene-d8	10.179	98	404853	50.148	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.300%	
62) 4-Bromofluorobenzene	12.477	95	139874	50.821	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	10838	20.676	ug/l #	89
13) Acrolein	3.729	56	399	1.662	ug/l #	63
15) Acrylonitrile	5.174	53	1067	1.426	ug/l #	51
16) Acetone	3.954	43	4137	4.741	ug/l	99
20) Methylene Chloride	4.710	84	8569	Below Cal	#	90
25) 2-Butanone	6.978	43	5434	4.999	ug/l #	65
26) 2,2-Dichloropropane	6.972	77	5548	1.572	ug/l #	54
29) Tetrahydrofuran	7.356	42	753	1.114	ug/l #	73
31) Cyclohexane	7.789	56	4588	1.494	ug/l #	11
38) Carbon Tetrachloride	7.783	117	19016	5.628	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.789	63	336	23.319	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	77525	37.001	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	77525	78.498	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.007	180	4437	1.485	ug/l	98
95) Naphthalene	15.233	128	11660	5.361	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	4692	1.724	ug/l	94

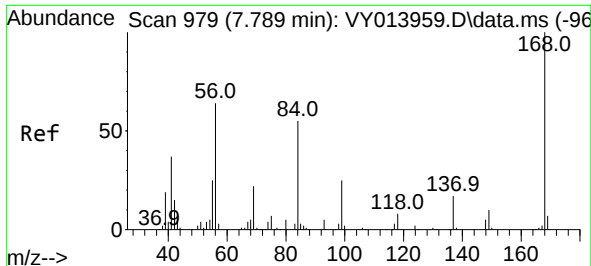
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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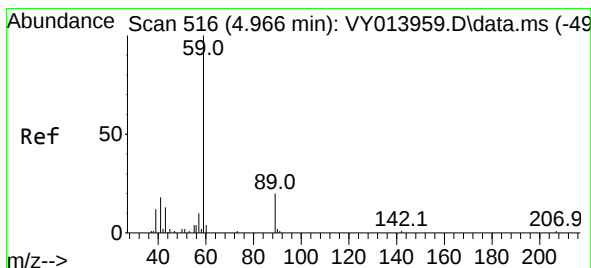
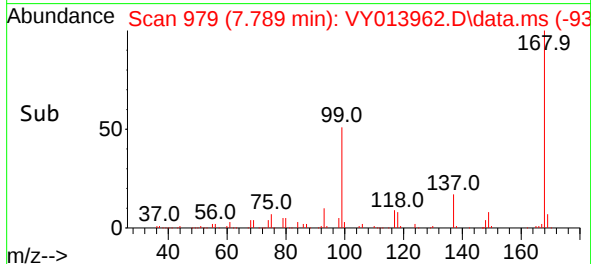
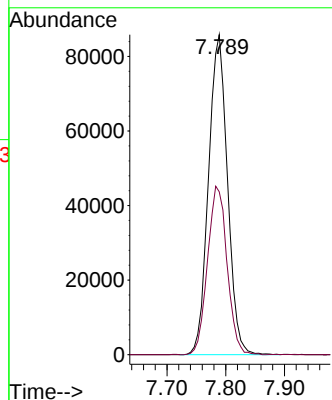
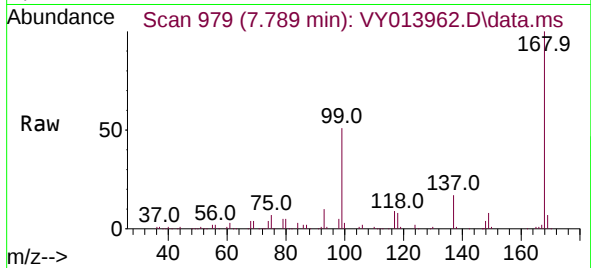




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

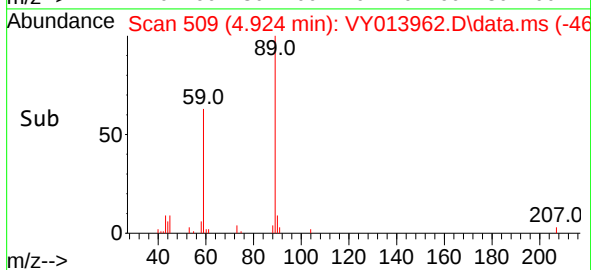
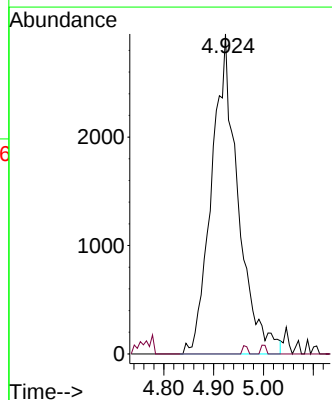
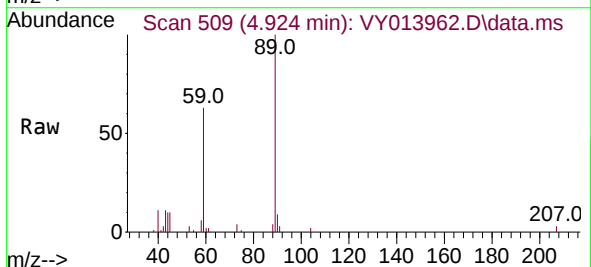
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

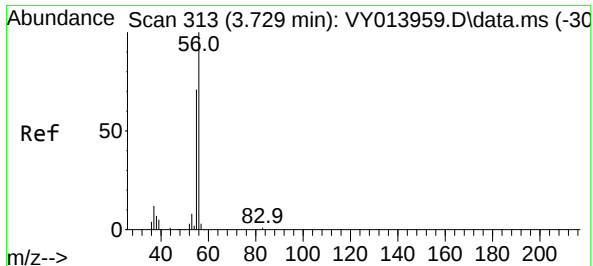
Tgt Ion:168 Resp: 192669
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 20.676 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

Tgt Ion: 59 Resp: 10838
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.662 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

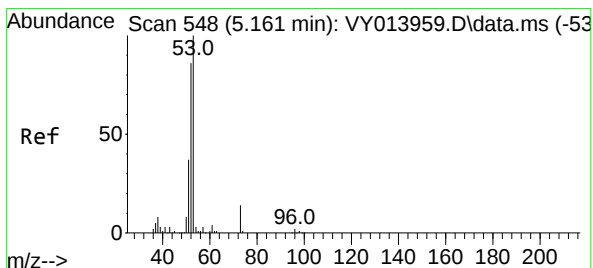
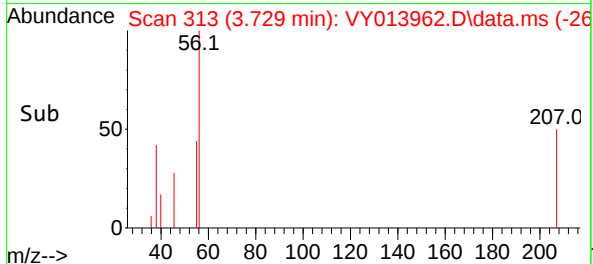
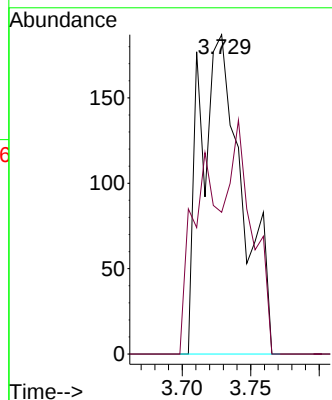
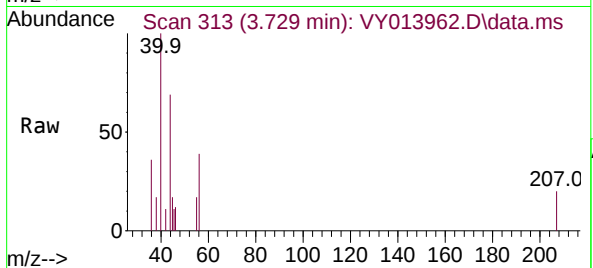
VIBLK

Tgt Ion: 56 Resp: 399

Ion Ratio Lower Upper

56 100

55 40.9 57.0 85.4#



#15

Acrylonitrile

Concen: 1.426 ug/l

RT: 5.174 min Scan# 550

Delta R.T. 0.012 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

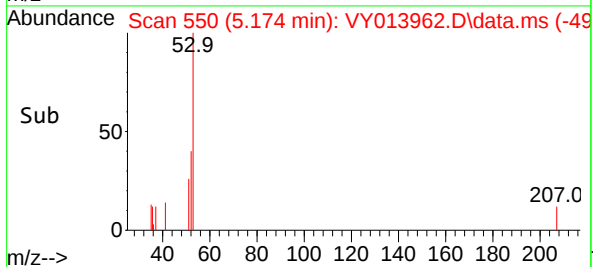
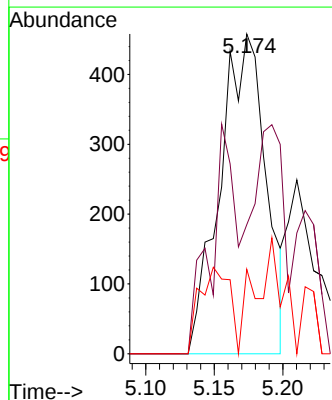
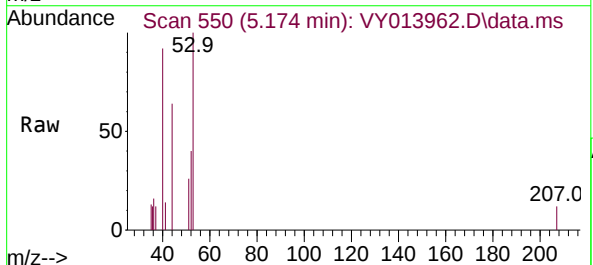
Tgt Ion: 53 Resp: 1067

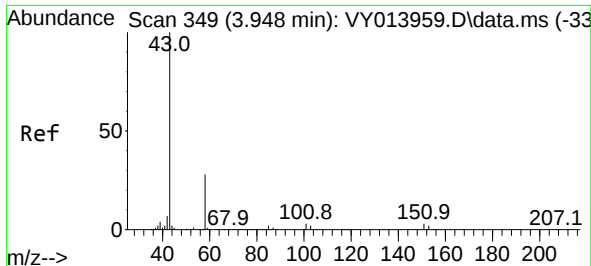
Ion Ratio Lower Upper

53 100

52 30.7 66.9 100.3#

51 21.4 29.8 44.6#





#16

Acetone

Concen: 4.741 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

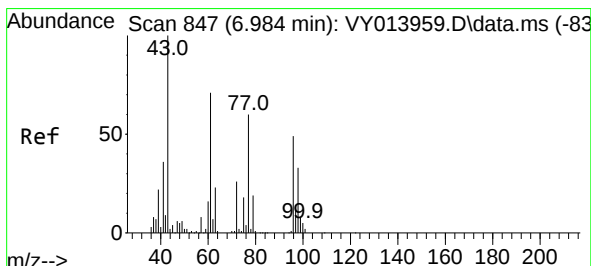
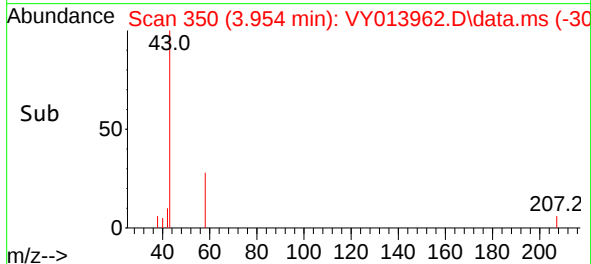
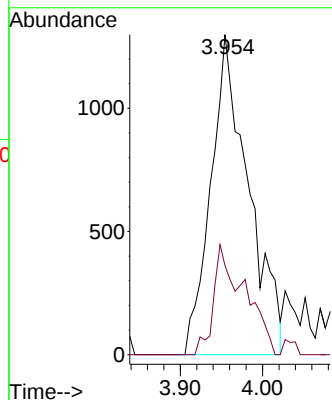
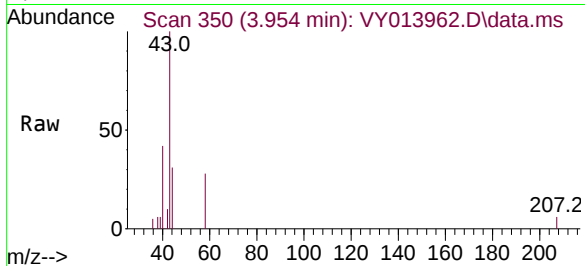
VIBLK

Tgt Ion: 43 Resp: 4137

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1



#25

2-Butanone

Concen: 4.999 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013962.D

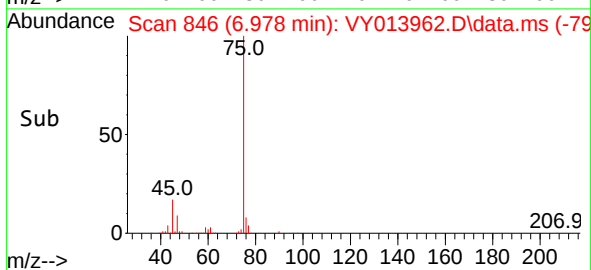
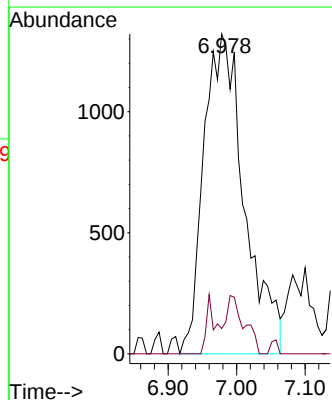
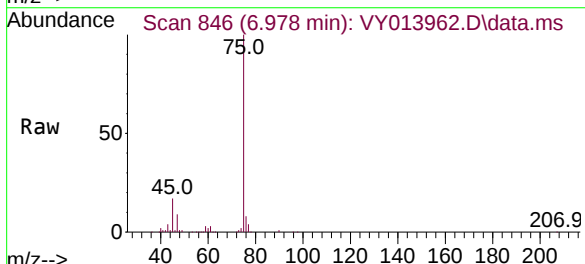
Acq: 01 Jun 2023 13:38

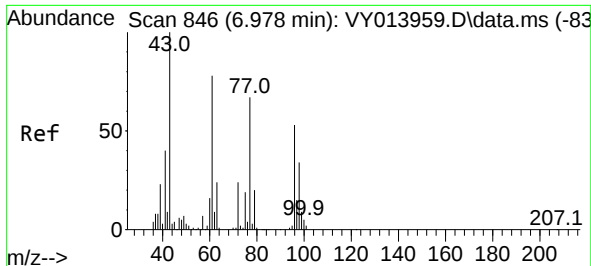
Tgt Ion: 43 Resp: 5434

Ion Ratio Lower Upper

43 100

72 7.9 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.572 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

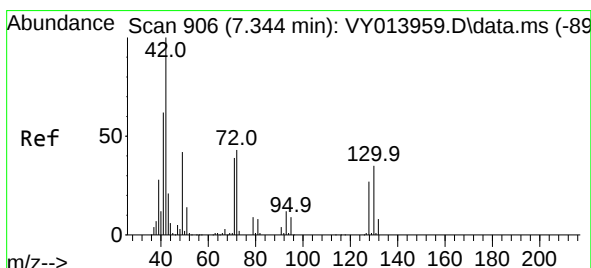
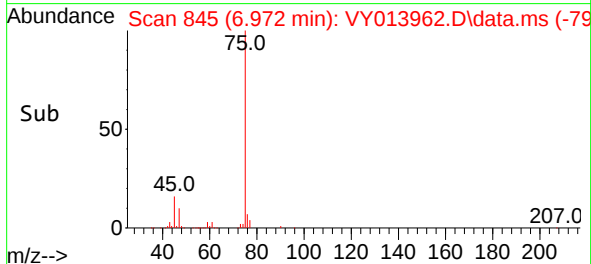
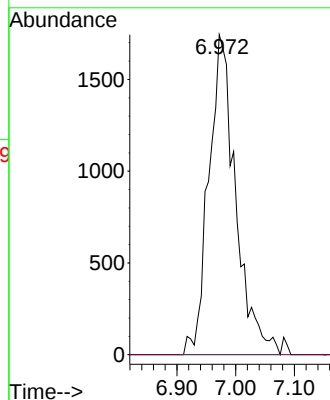
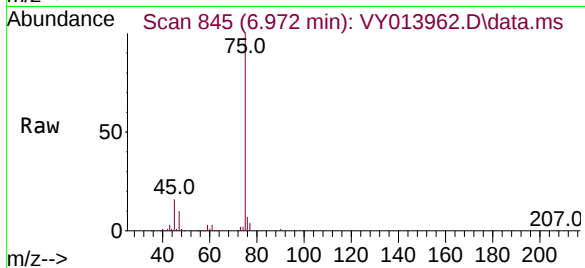
VIBLK

Tgt Ion: 77 Resp: 5548

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.114 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

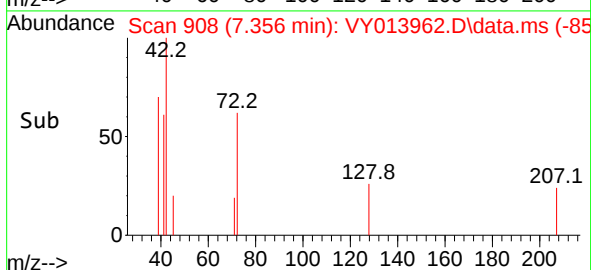
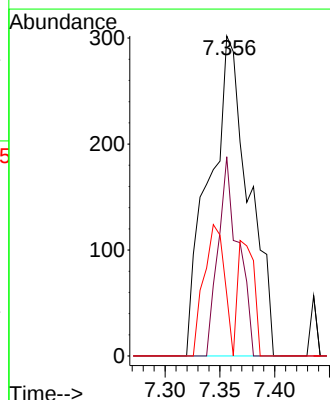
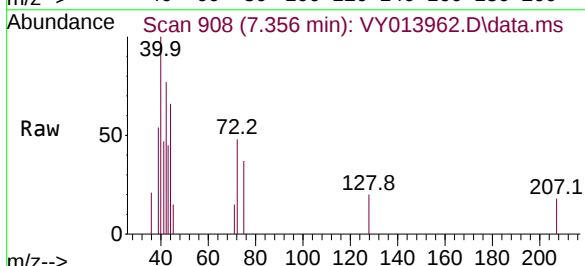
Tgt Ion: 42 Resp: 753

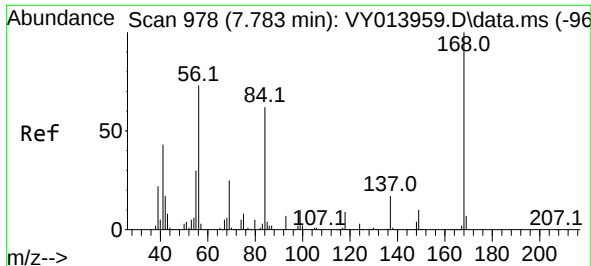
Ion Ratio Lower Upper

42 100

72 32.0 32.8 49.2#

71 14.7 31.0 46.4#

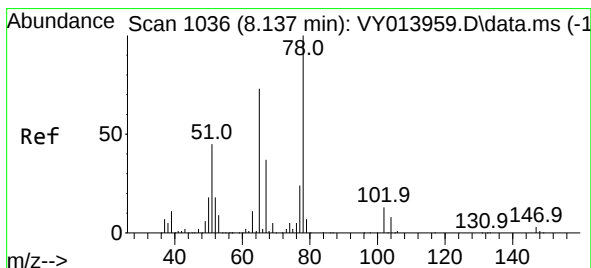
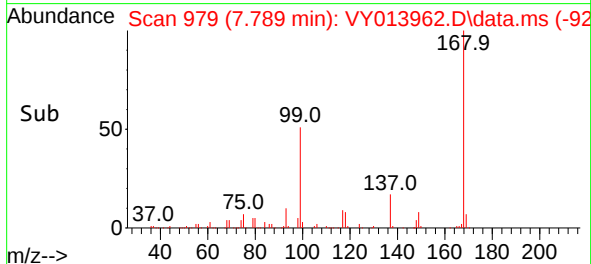
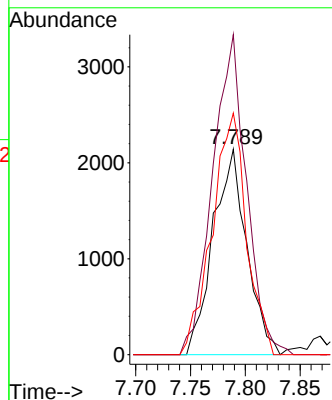
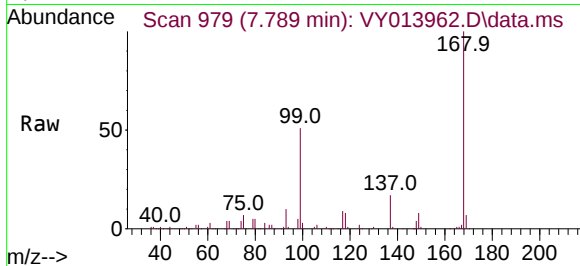




#31
Cyclohexane
Concen: 1.494 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

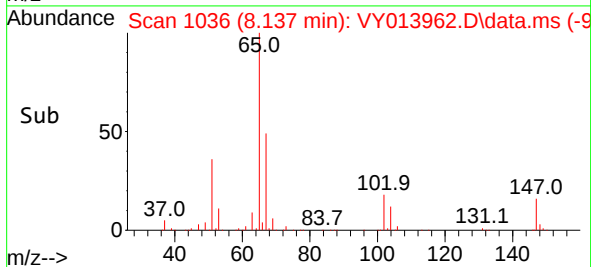
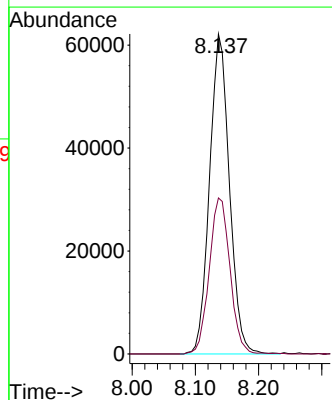
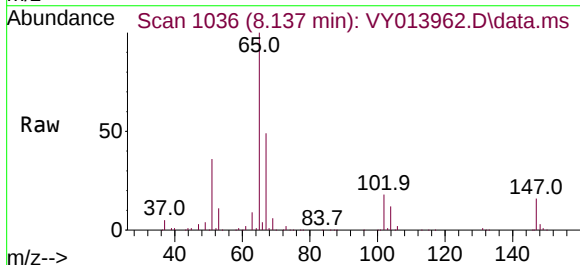
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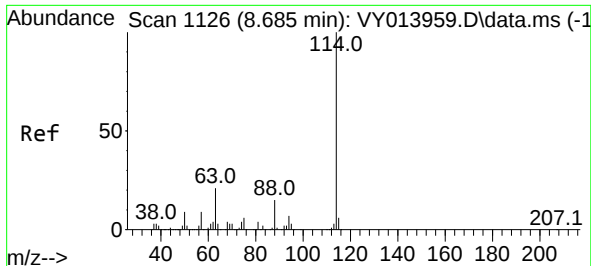
Tgt Ion: 56 Resp: 4588
Ion Ratio Lower Upper
56 100
69 155.7 27.8 41.6#
84 117.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.151 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

Tgt Ion: 65 Resp: 135560
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

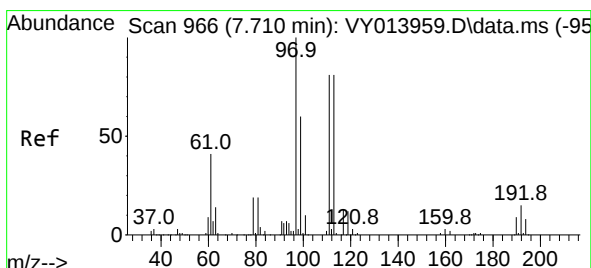
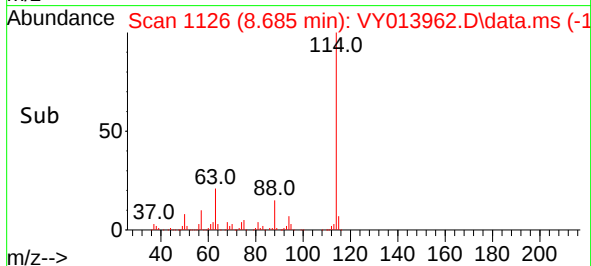
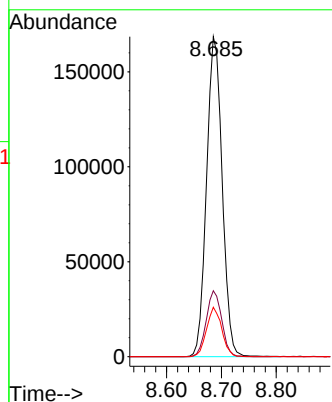
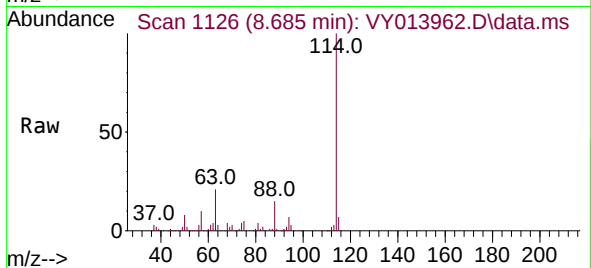
Tgt Ion:114 Resp: 333037

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.740 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

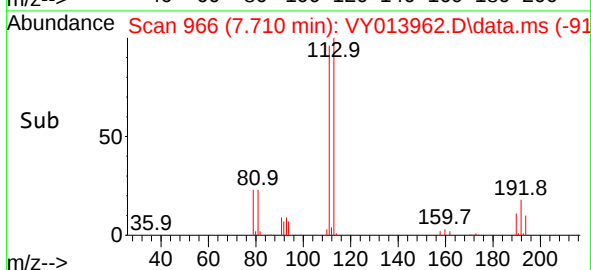
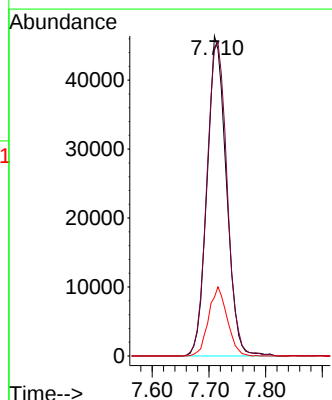
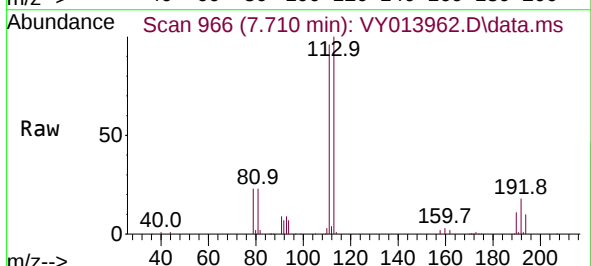
Tgt Ion:113 Resp: 109507

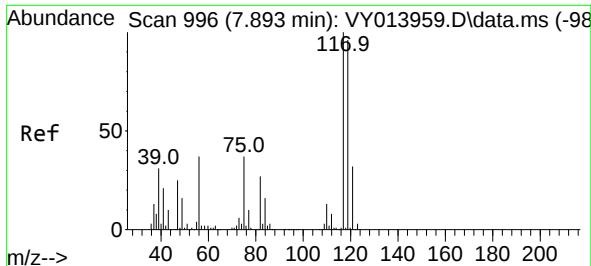
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 20.8 16.9 25.3

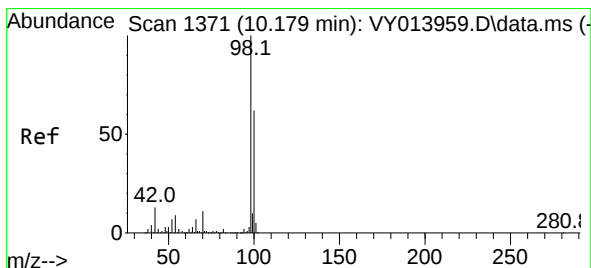
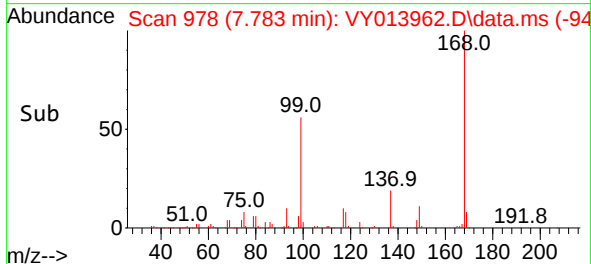
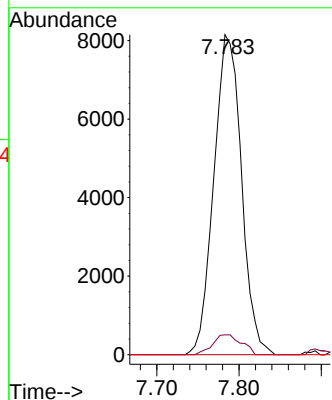
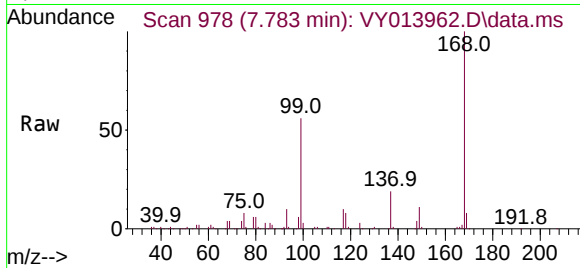




#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

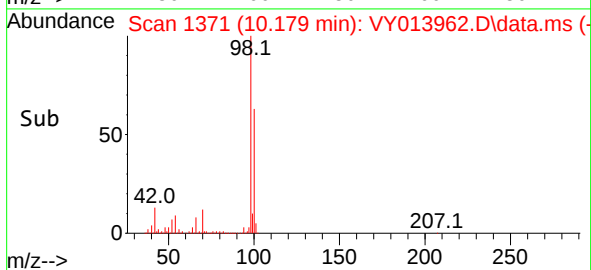
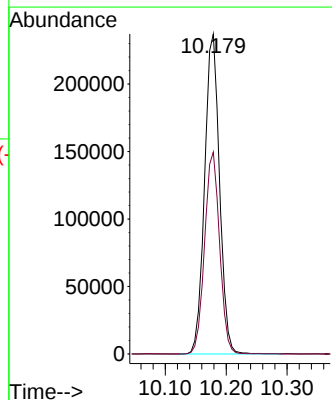
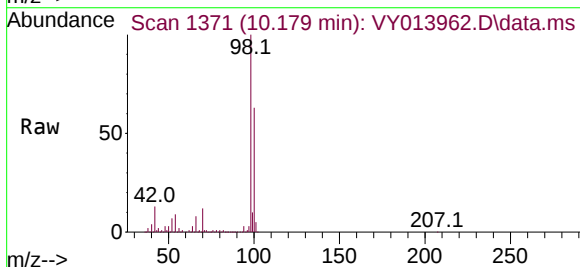
Instrument :
MSVOA_Y
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VIBLK

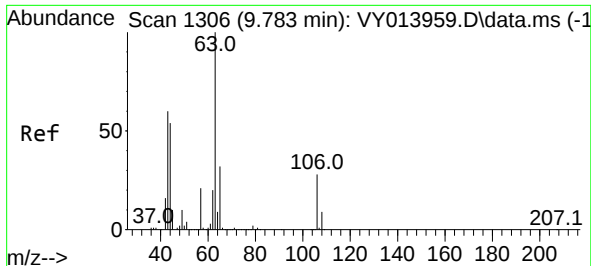
Tgt Ion:117 Resp: 19016
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.148 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

Tgt Ion: 98 Resp: 404853
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1

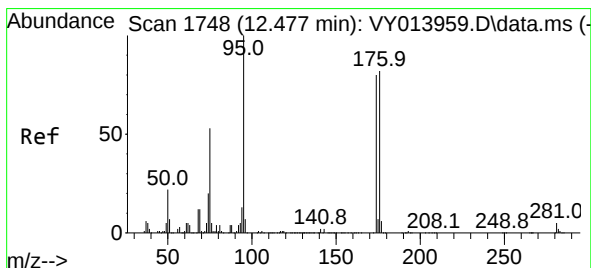
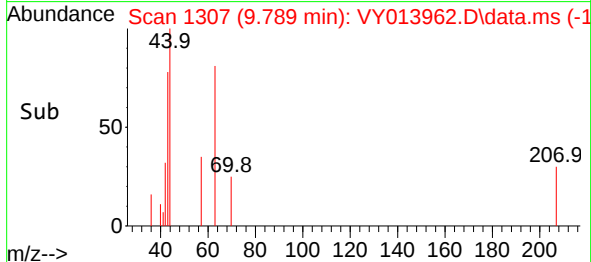
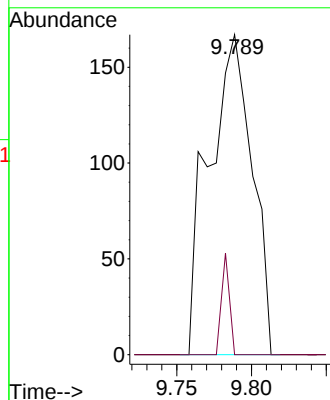
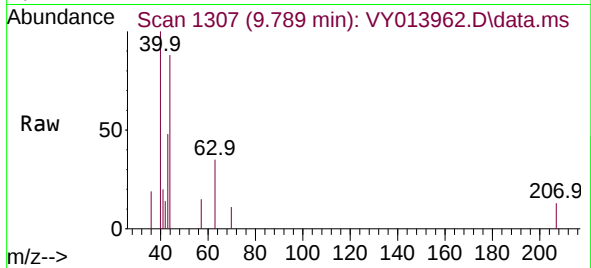




#58
2-Chloroethyl Vinyl ether
Concen: 23.319 ug/l
RT: 9.789 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

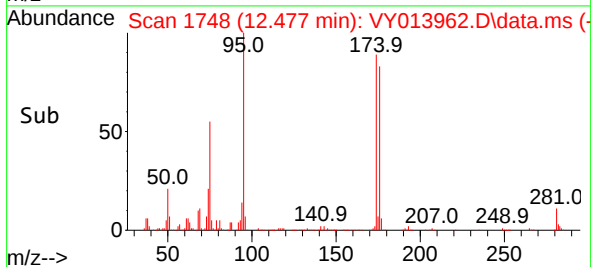
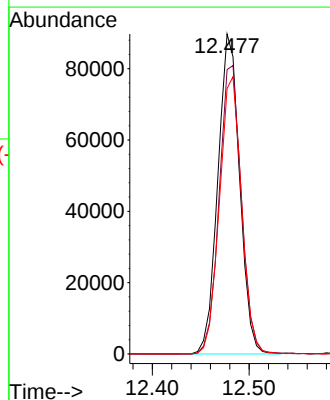
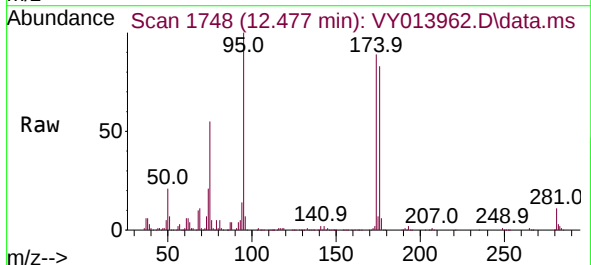
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

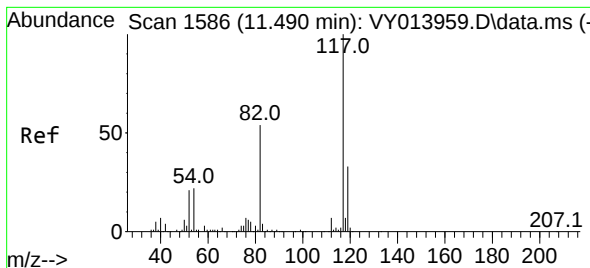
Tgt Ion: 63 Resp: 336
Ion Ratio Lower Upper
63 100
106 5.7 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 50.821 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013962.D
Acq: 01 Jun 2023 13:38

Tgt Ion: 95 Resp: 139874
Ion Ratio Lower Upper
95 100
174 92.2 0.0 178.2
176 88.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

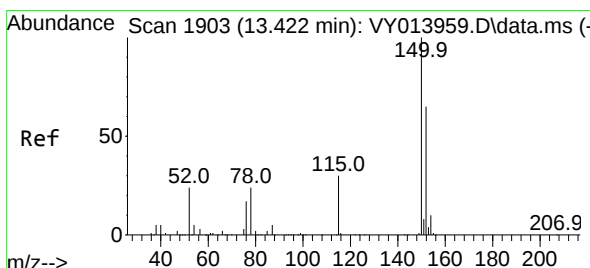
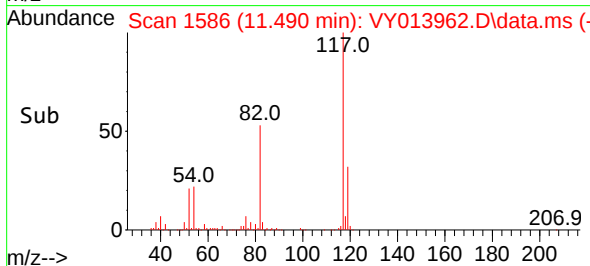
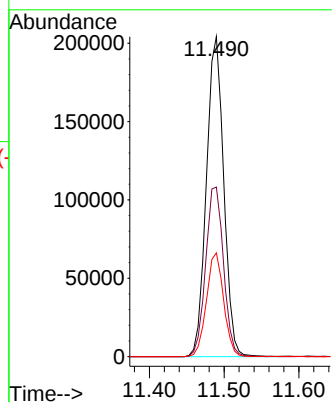
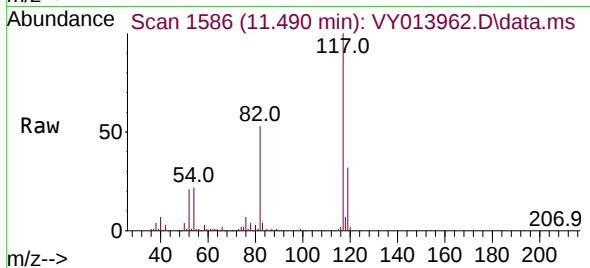
Tgt Ion:117 Resp: 328829

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

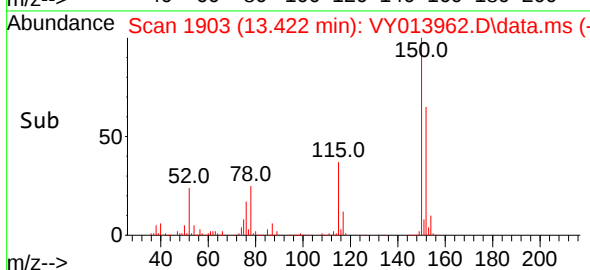
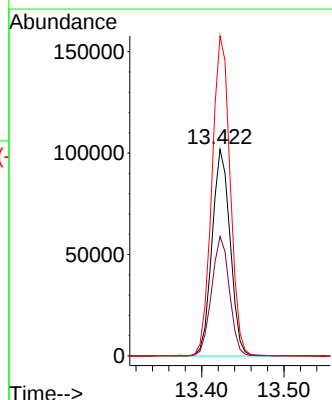
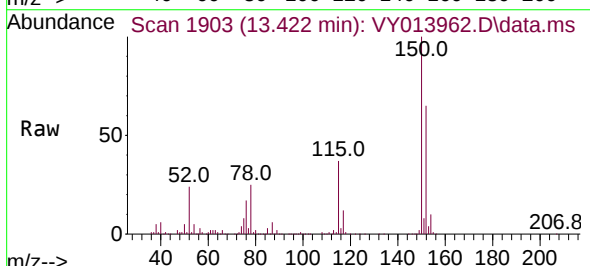
Tgt Ion:152 Resp: 155698

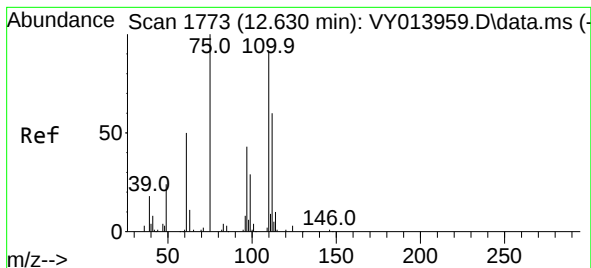
Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 155.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 37.001 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

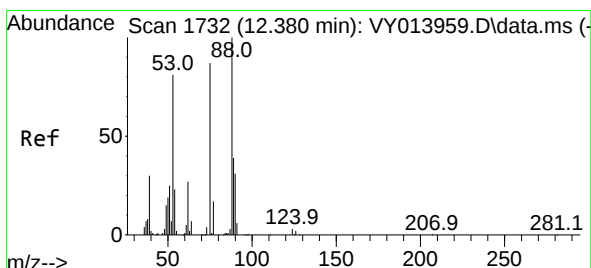
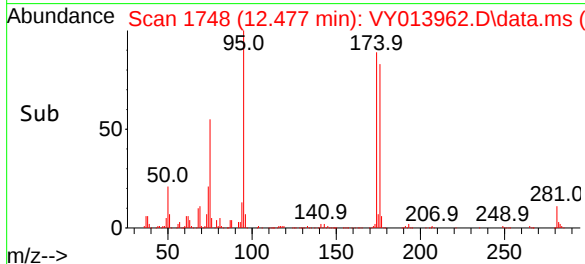
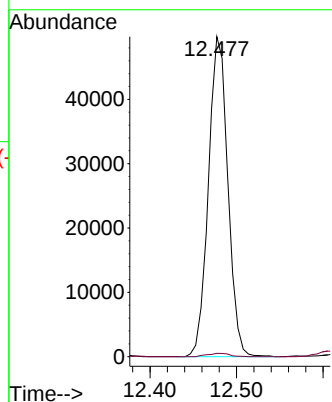
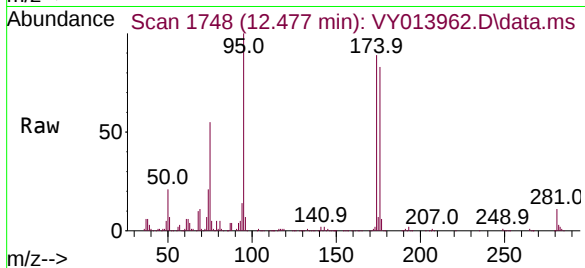
VIBLK

Tgt Ion: 75 Resp: 77525

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.498 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

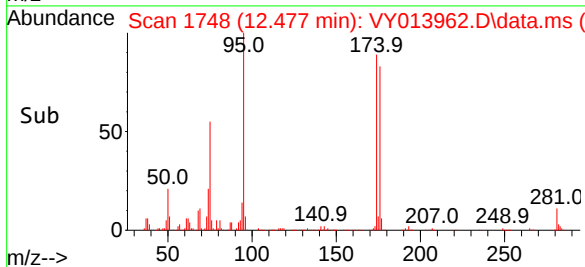
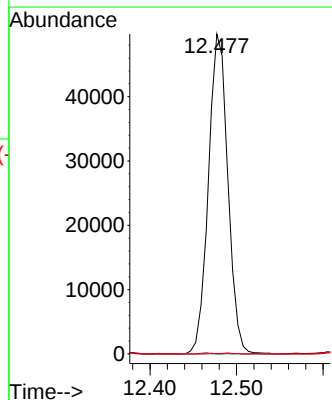
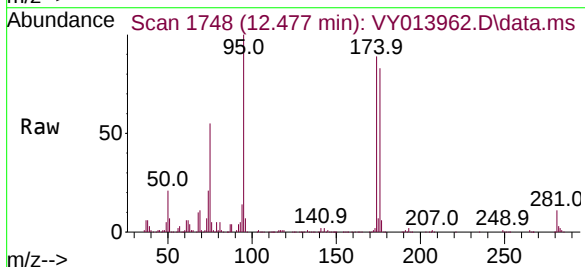
Tgt Ion: 75 Resp: 77525

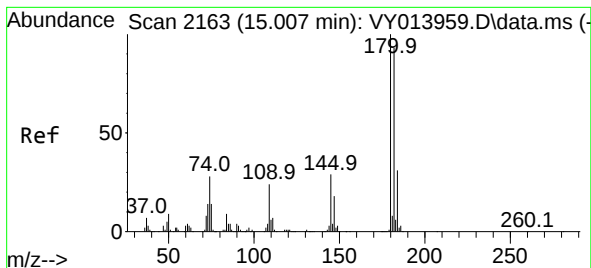
Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

89 0.1 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.485 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

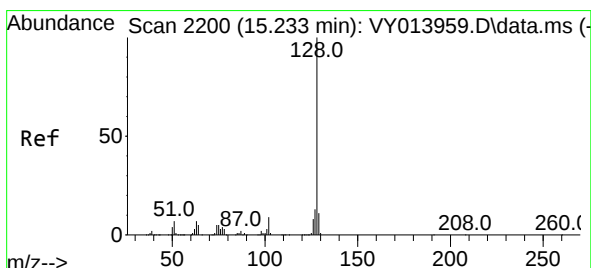
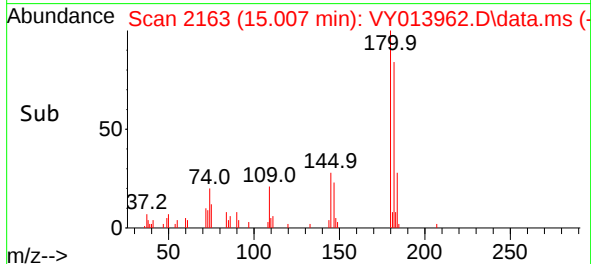
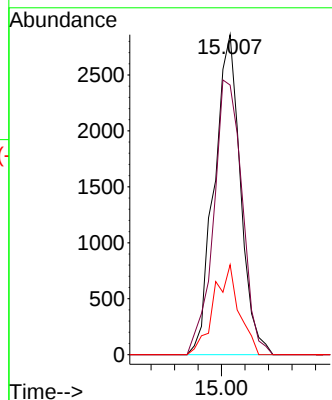
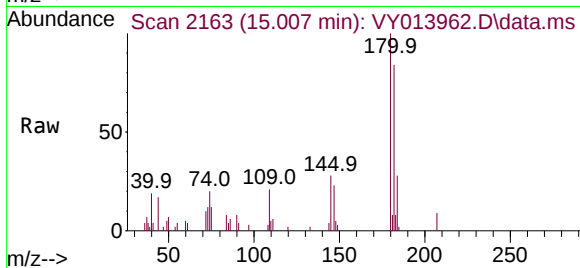
Tgt Ion:180 Resp: 4437

Ion Ratio Lower Upper

180 100

182 93.1 47.0 141.2

145 27.0 14.5 43.5



#95

Naphthalene

Concen: 5.361 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013962.D

Acq: 01 Jun 2023 13:38

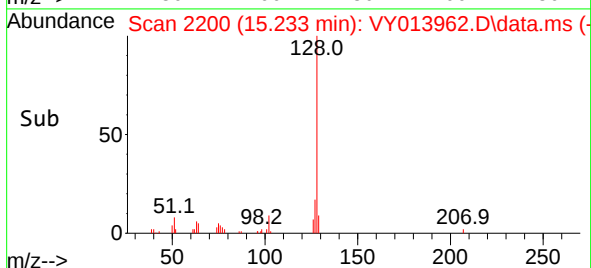
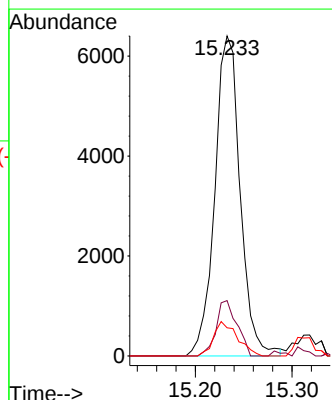
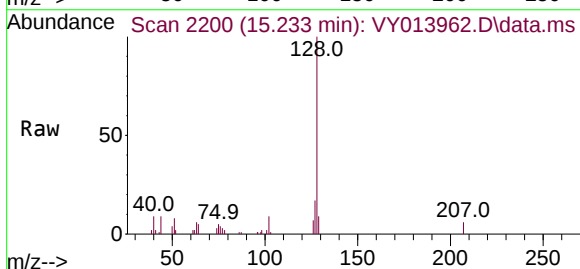
Tgt Ion:128 Resp: 11660

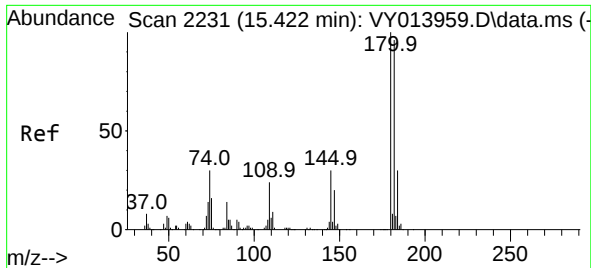
Ion Ratio Lower Upper

128 100

127 14.2 10.8 16.2

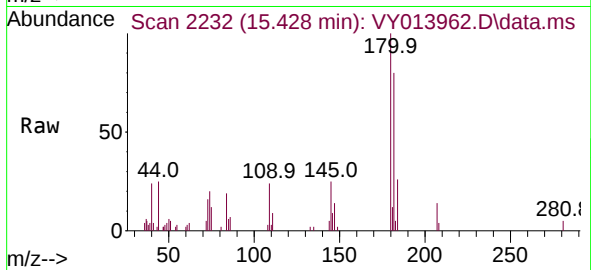
129 10.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.724 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY013962.D
 Acq: 01 Jun 2023 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	4692
Ion	Ratio	Lower	Upper
180	100		
182	101.0	47.3	141.8
145	31.8	15.4	46.2

