

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014660.D
 Acq On : 14 Jul 2023 20:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 14 23:17:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

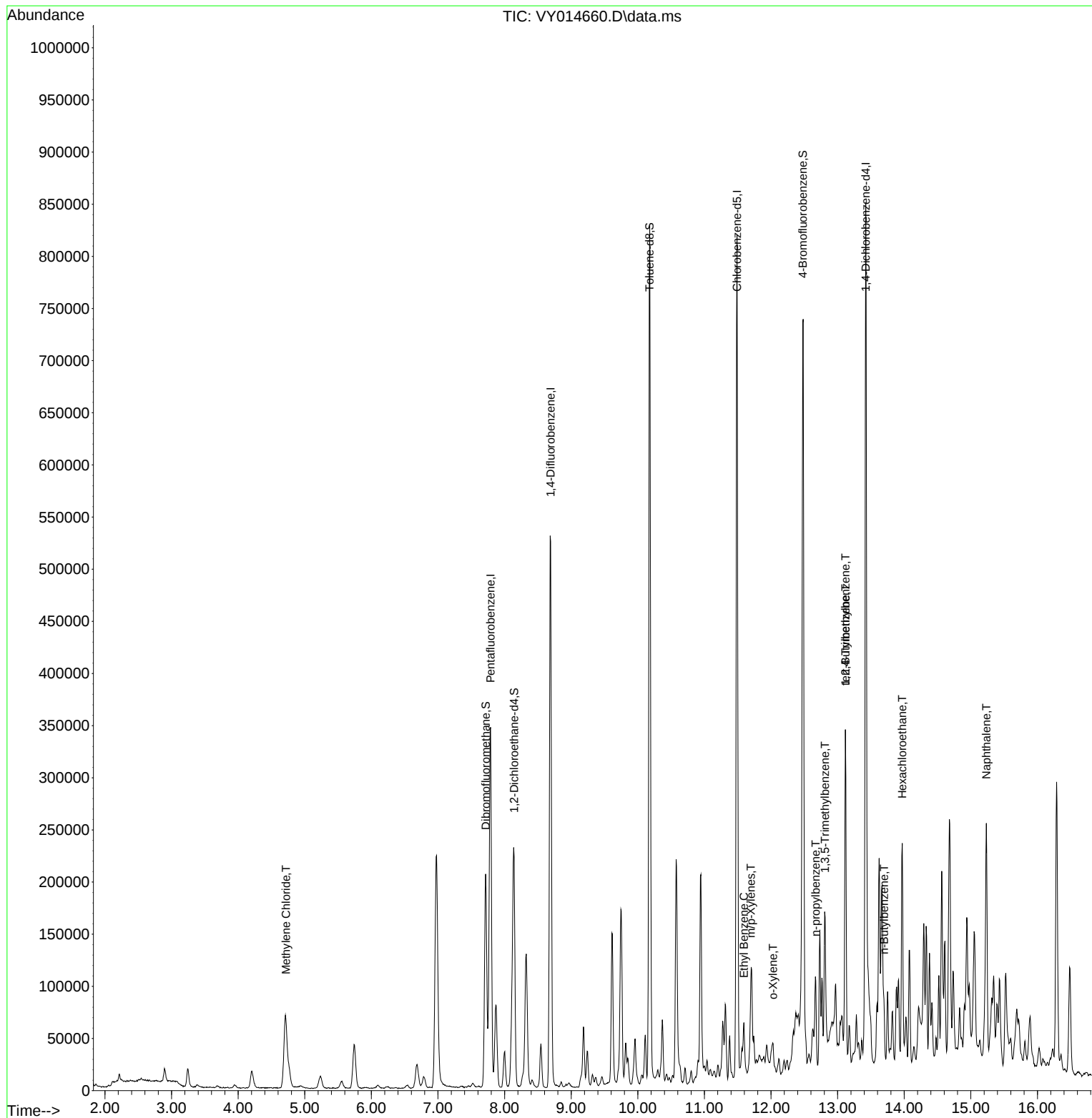
Internal Standards						
1) Pentafluorobenzene	7.789	168	264887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	452093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	420503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	159796	52.939	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 105.880%		
35) Dibromofluoromethane	7.716	113	144467	50.198	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 100.400%		
50) Toluene-d8	10.179	98	540562	50.947	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.900%		
62) 4-Bromofluorobenzene	12.477	95	208208	51.177	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 102.360%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	47668	12.143	ug/l	88
67) Ethyl Benzene	11.593	91	28105	1.737	ug/l	97
68) m/p-Xylenes	11.697	106	22584	3.657	ug/l	98
69) o-Xylene	12.032	106	6630	1.102	ug/l	97
78) n-propylbenzene	12.672	91	57555	2.965	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	47867	3.558	ug/l	100
83) tert-Butylbenzene	13.117	119	19302	1.617	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.117	105	163985	12.419	ug/l	98
89) n-Butylbenzene	13.696	91	43362	3.118	ug/l #	73
90) Hexachloroethane	13.971	117	9071	3.089	ug/l #	8
95) Naphthalene	15.233	128	164286	16.940	ug/l	99

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

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Response via : Initial Calibration

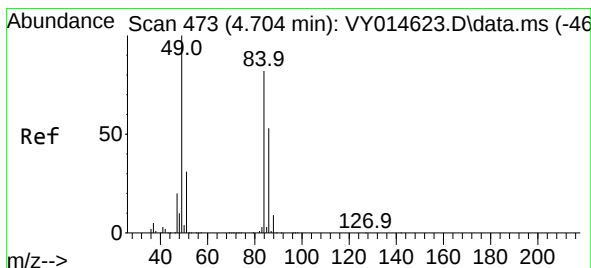
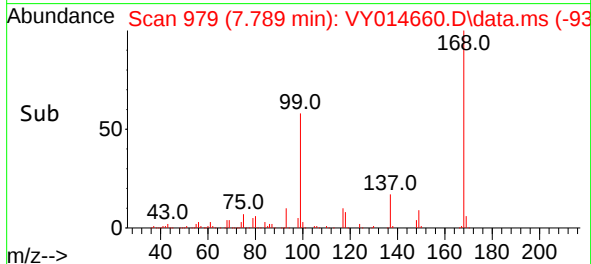
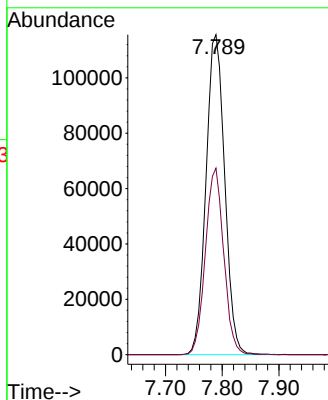
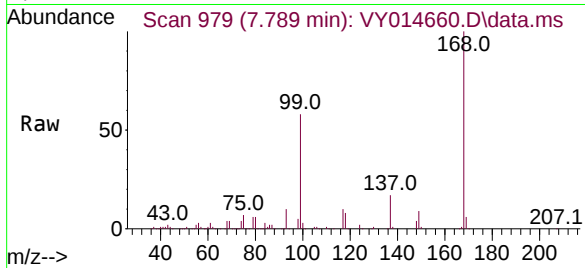




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

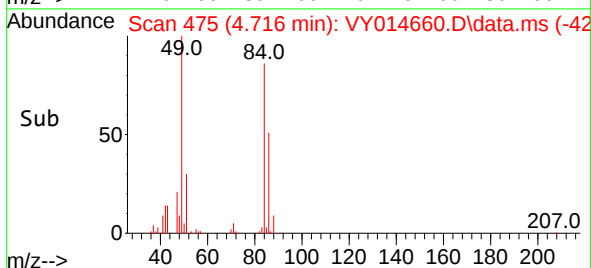
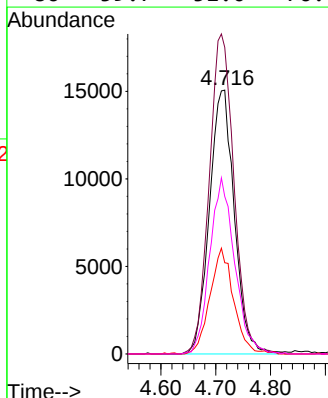
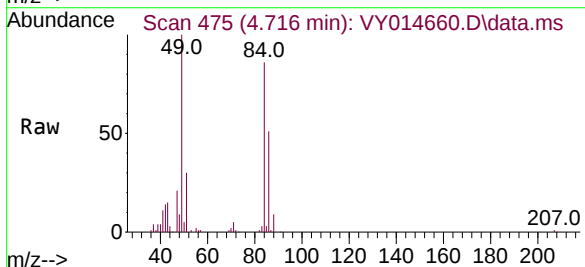
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

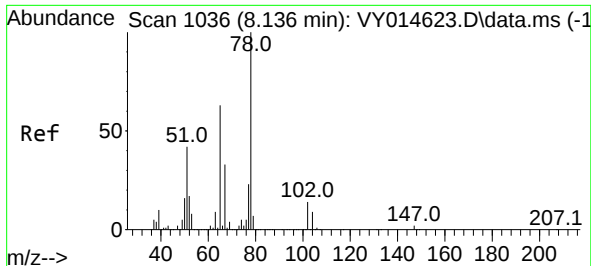
Tgt Ion:168 Resp: 264887
Ion Ratio Lower Upper
168 100
99 58.3 43.4 65.0



#20
Methylene Chloride
Concen: 12.143 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

Tgt Ion: 84 Resp: 47668
Ion Ratio Lower Upper
84 100
49 116.2 106.9 160.3
51 34.6 33.2 49.8
86 59.7 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 52.939 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014660.D

Acq: 14 Jul 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

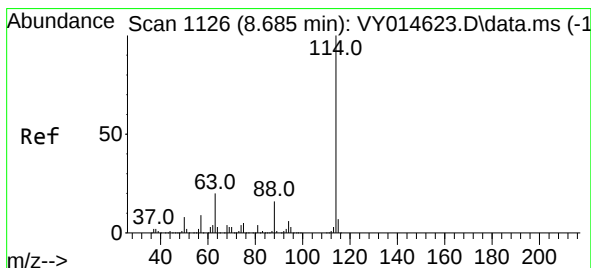
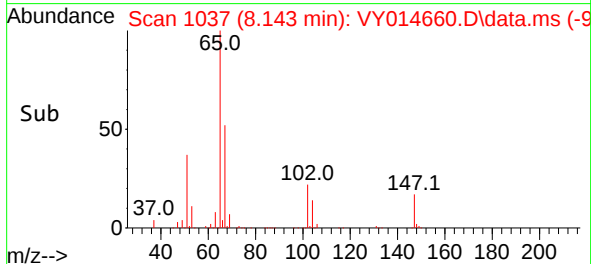
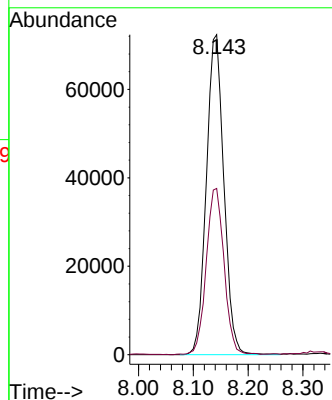
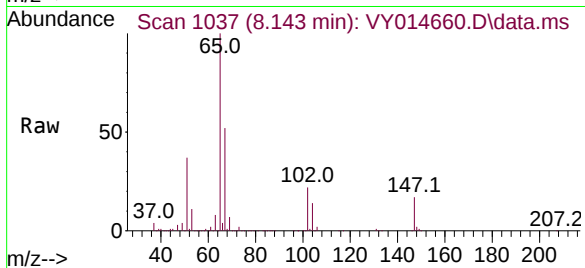
VIBLK

Tgt Ion: 65 Resp: 159796

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014660.D

Acq: 14 Jul 2023 20:13

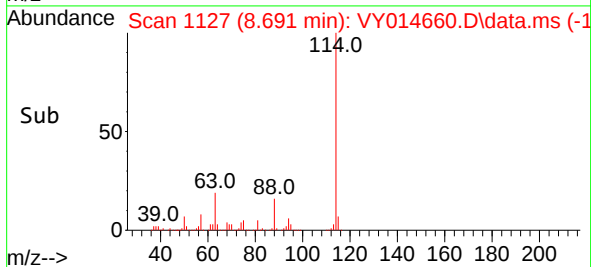
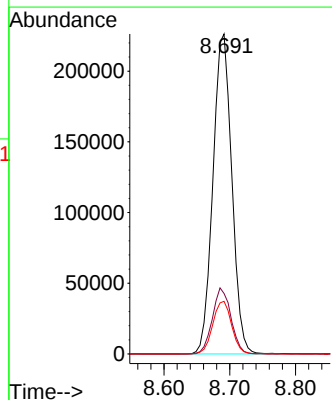
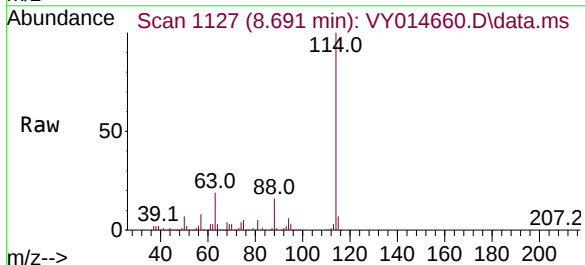
Tgt Ion: 114 Resp: 452093

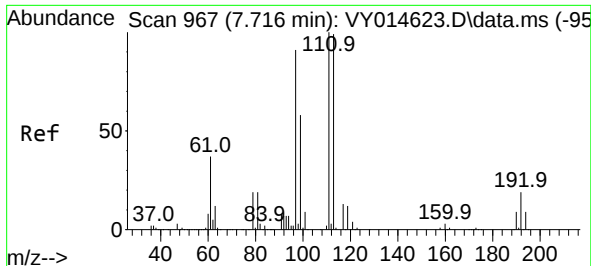
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 16.4 0.0 30.6

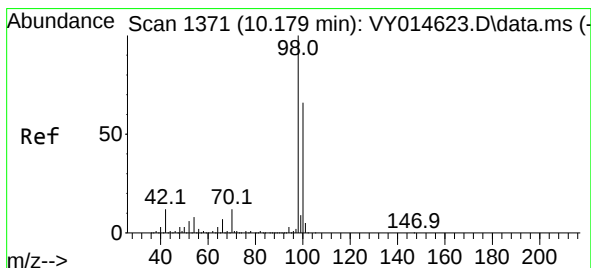
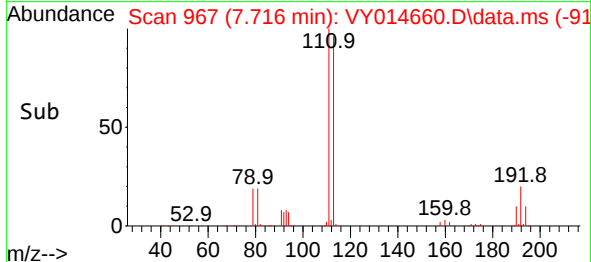
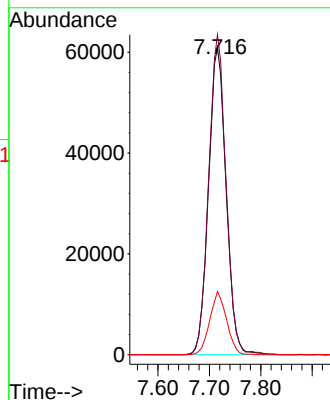
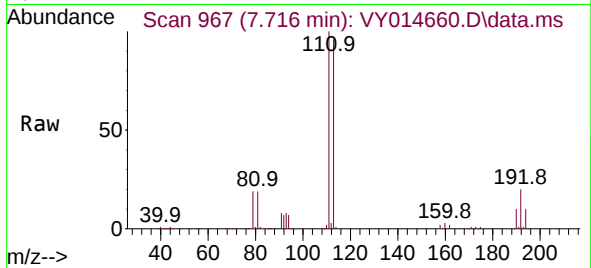




#35
 Dibromofluoromethane
 Concen: 50.198 ug/l
 RT: 7.716 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VY014660.D
 Acq: 14 Jul 2023 20:13

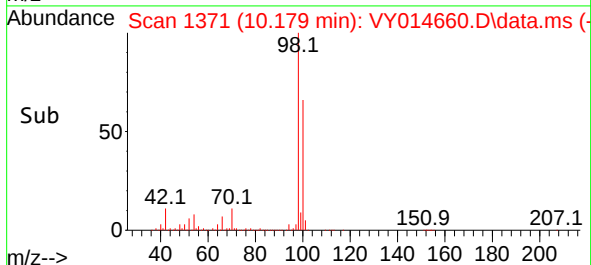
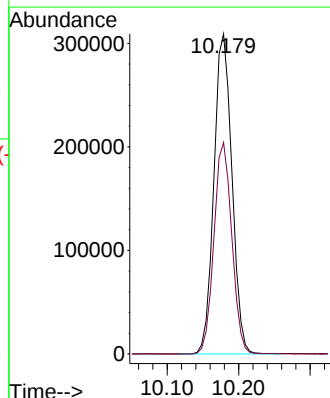
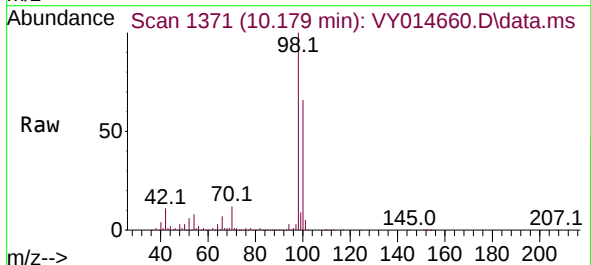
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:113 Resp: 144467
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.3 121.9
 192 19.7 16.9 25.3



#50
 Toluene-d8
 Concen: 50.947 ug/l
 RT: 10.179 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: VY014660.D
 Acq: 14 Jul 2023 20:13

Tgt Ion: 98 Resp: 540562
 Ion Ratio Lower Upper
 98 100
 100 65.6 50.1 75.1

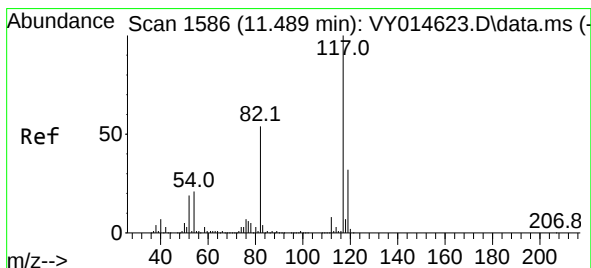
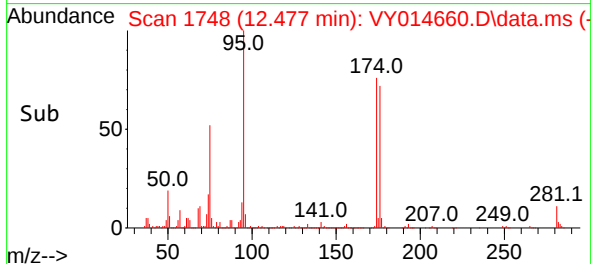
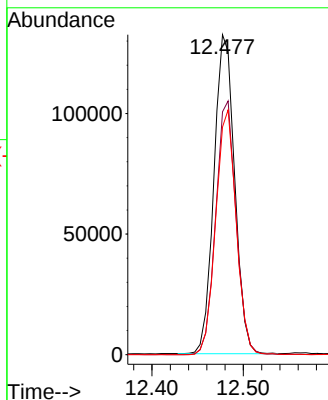
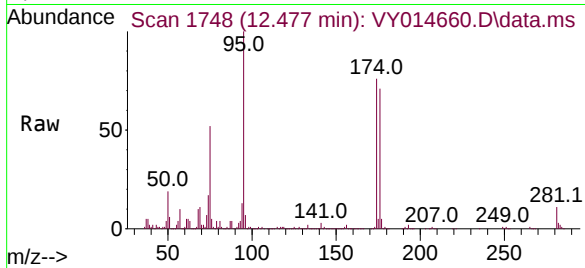




#62
4-Bromofluorobenzene
Concen: 51.177 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

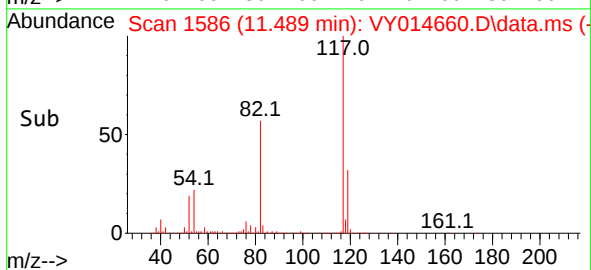
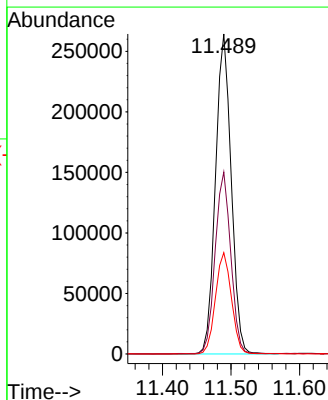
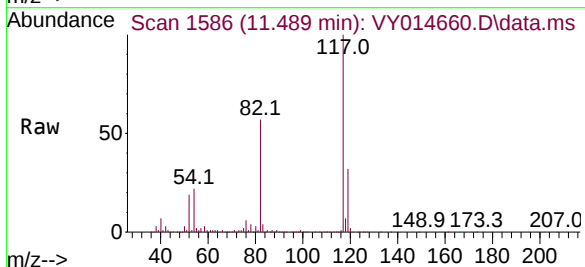
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

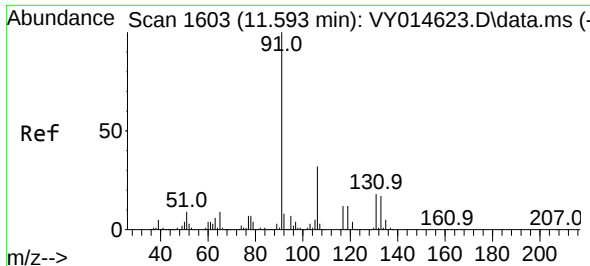
Tgt Ion: 95 Resp: 208208
Ion Ratio Lower Upper
95 100
174 78.3 0.0 178.2
176 75.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

Tgt Ion: 117 Resp: 420503
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.0
119 31.6 26.3 39.5

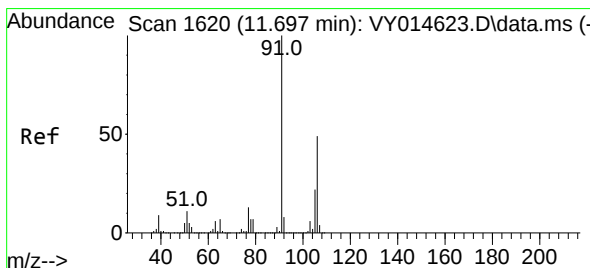
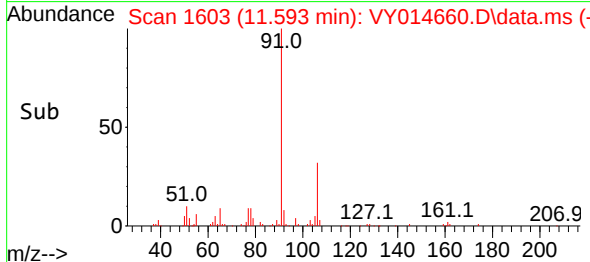
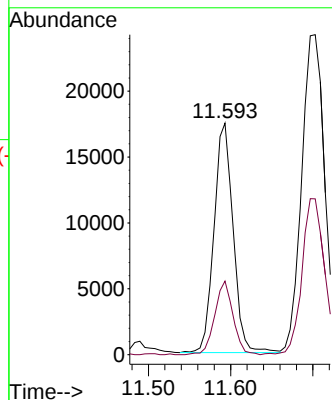
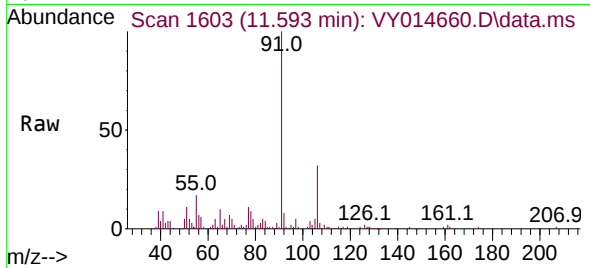




#67
Ethyl Benzene
Concen: 1.737 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

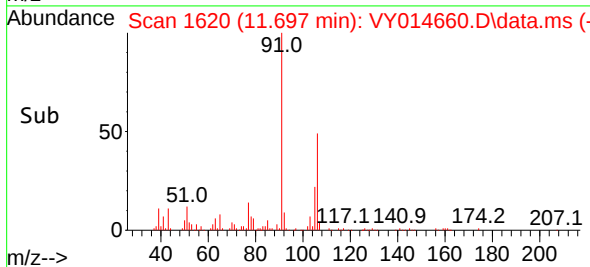
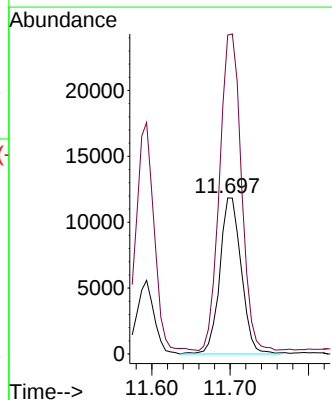
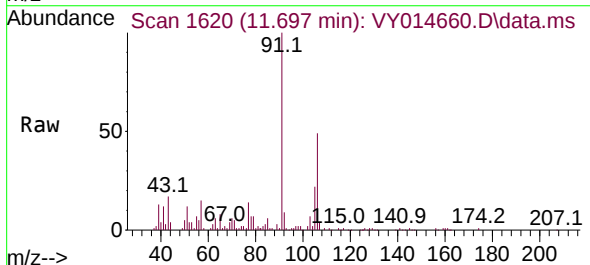
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MSVOA_Y
ClientSampleId :
VIBLK

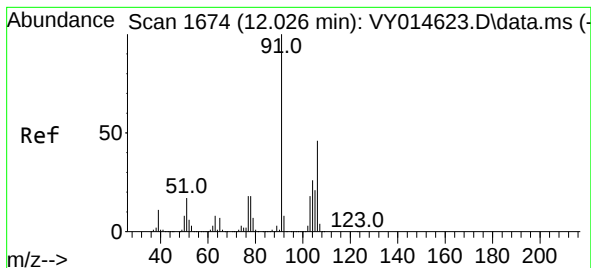
Tgt Ion: 91 Resp: 28105
Ion Ratio Lower Upper
91 100
106 32.1 24.6 36.8



#68
m/p-Xylenes
Concen: 3.657 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

Tgt Ion:106 Resp: 22584
Ion Ratio Lower Upper
106 100
91 205.0 166.1 249.1





#69

o-Xylene

Concen: 1.102 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014660.D

Acq: 14 Jul 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

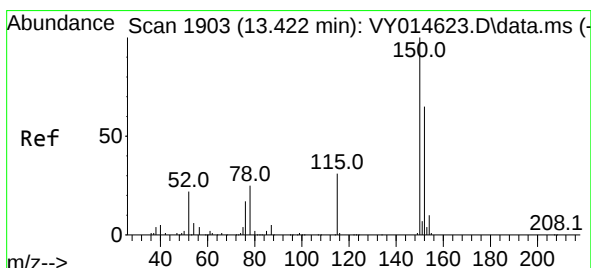
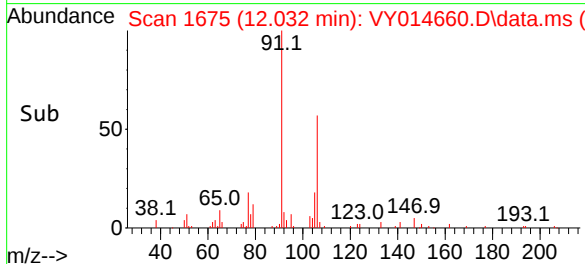
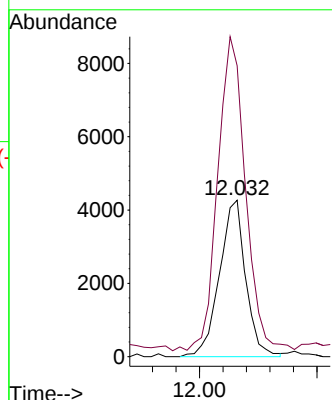
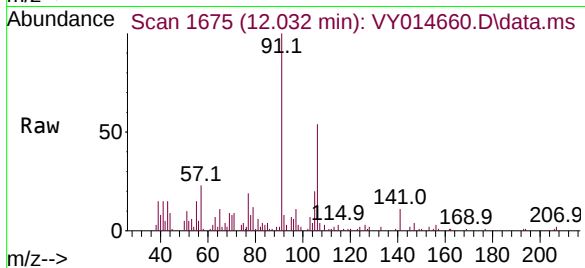
VIBLK

Tgt Ion:106 Resp: 6630

Ion Ratio Lower Upper

106 100

91 212.0 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014660.D

Acq: 14 Jul 2023 20:13

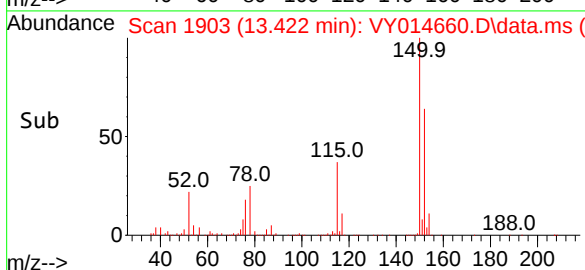
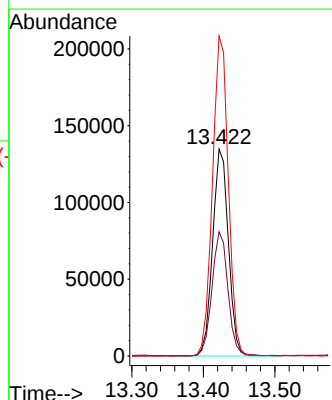
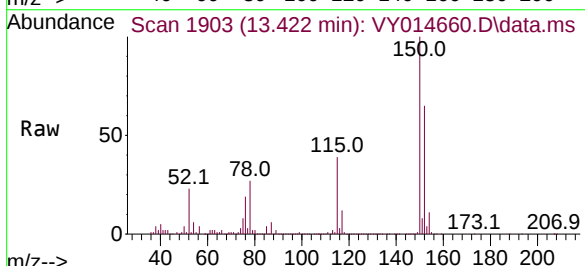
Tgt Ion:152 Resp: 205759

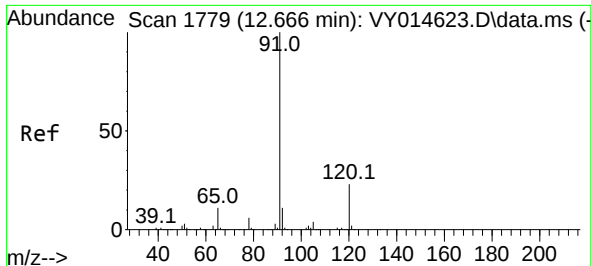
Ion Ratio Lower Upper

152 100

115 60.7 28.8 86.5

150 155.5 0.0 348.8

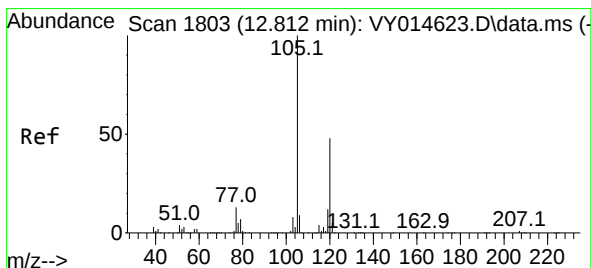
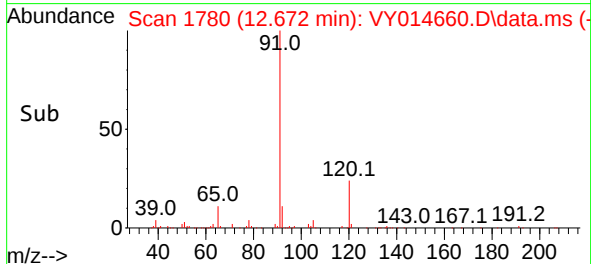
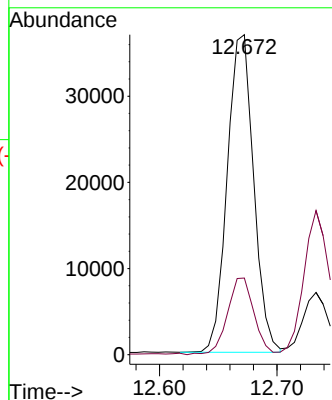
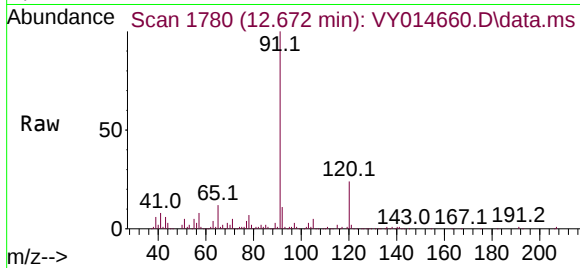




#78
n-propylbenzene
Concen: 2.965 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

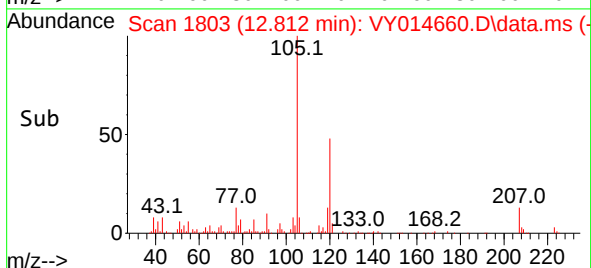
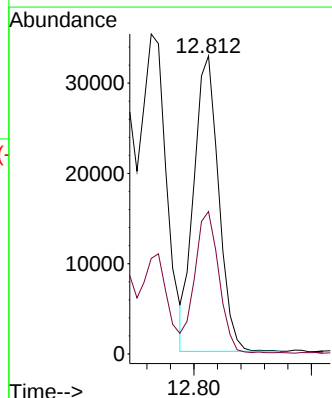
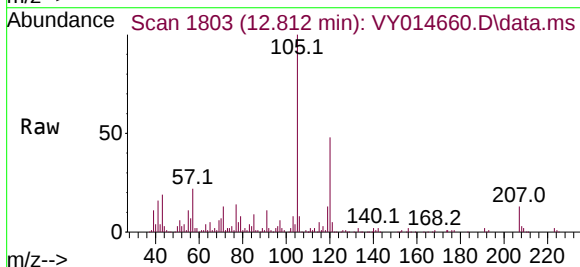
Instrument :
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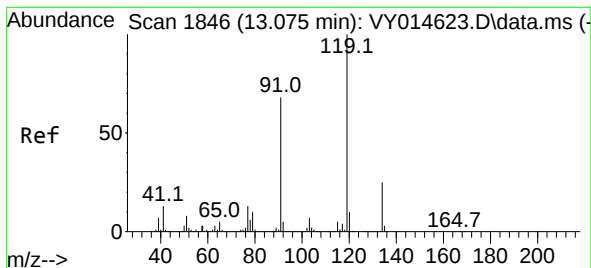
Tgt Ion: 91 Resp: 57555
Ion Ratio Lower Upper
91 100
120 24.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 3.558 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

Tgt Ion: 105 Resp: 47867
Ion Ratio Lower Upper
105 100
120 47.5 23.9 71.7





#83

tert-Butylbenzene

Concen: 1.617 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.042 min

Lab File: VY014660.D

Acq: 14 Jul 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

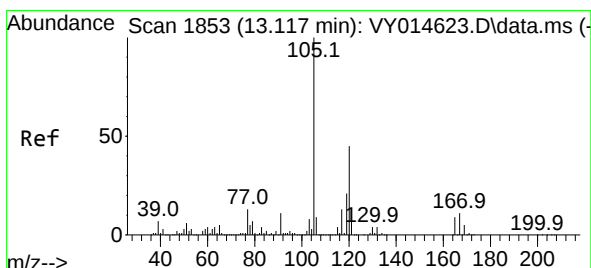
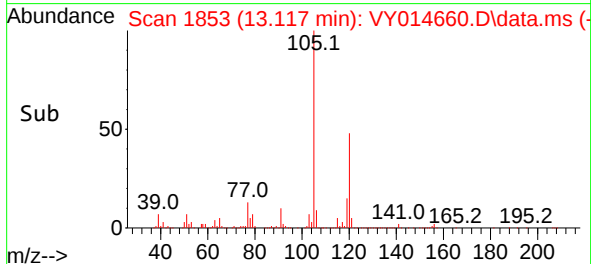
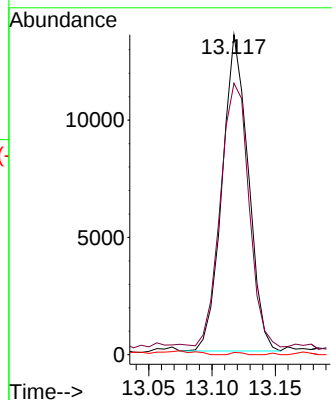
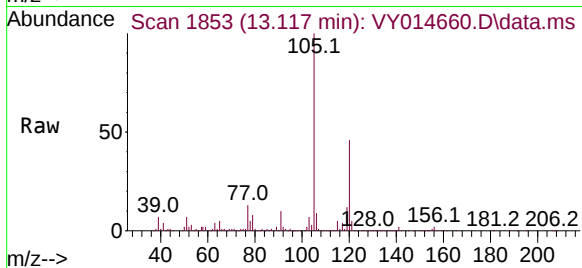
Tgt Ion:119 Resp: 19302

Ion Ratio Lower Upper

119 100

91 90.7 32.9 98.6

134 0.0 13.0 38.9#



#84

1,2,4-Trimethylbenzene

Concen: 12.419 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014660.D

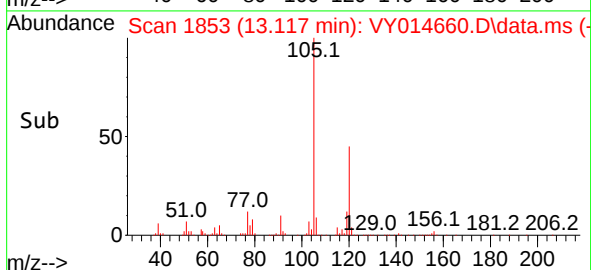
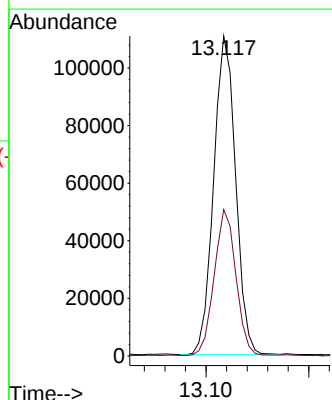
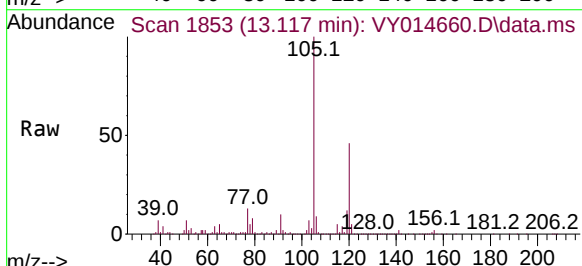
Acq: 14 Jul 2023 20:13

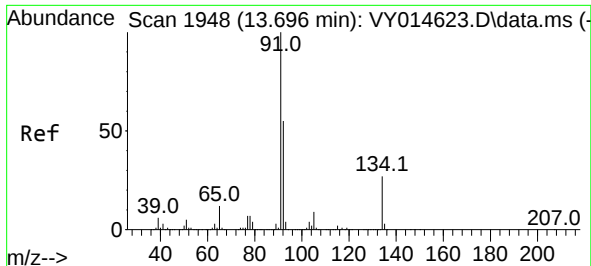
Tgt Ion:105 Resp: 163985

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6





#89

n-Butylbenzene

Concen: 3.118 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014660.D

Acq: 14 Jul 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

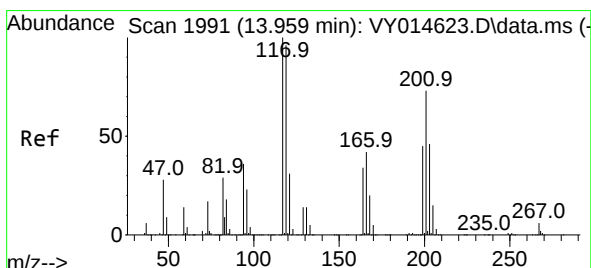
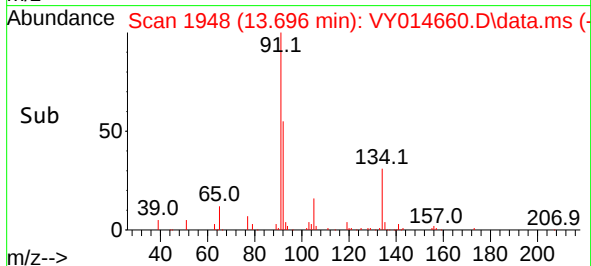
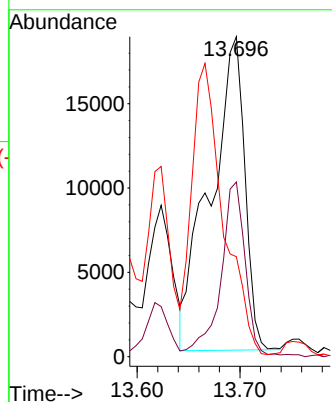
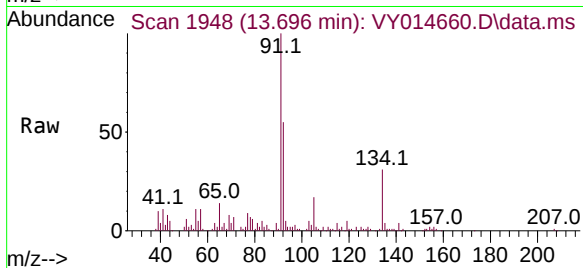
Tgt Ion: 91 Resp: 43362

Ion Ratio Lower Upper

91 100

92 39.8 25.4 76.0

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 3.089 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY014660.D

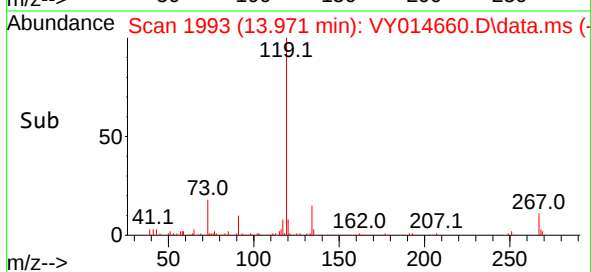
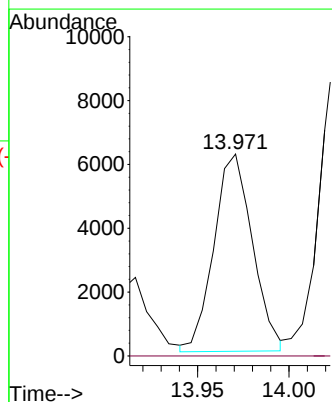
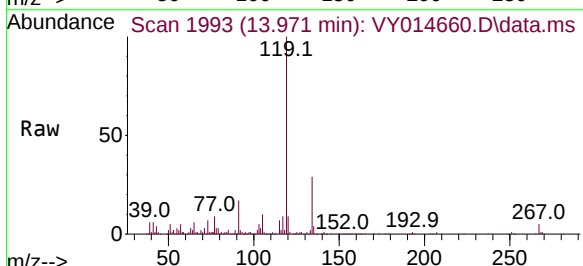
Acq: 14 Jul 2023 20:13

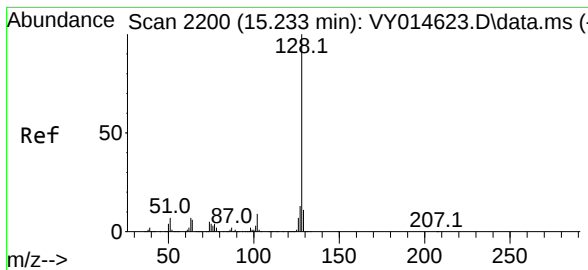
Tgt Ion: 117 Resp: 9071

Ion Ratio Lower Upper

117 100

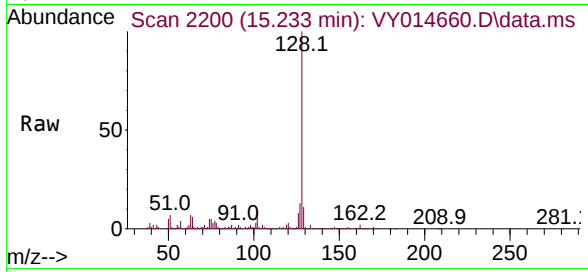
201 0.0 41.6 124.8#





#95
Naphthalene
Concen: 16.940 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014660.D
Acq: 14 Jul 2023 20:13

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



Tgt Ion:128 Resp: 164286

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.6	8.6	13.0

