

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013469.D
 Acq On : 26 Apr 2023 13:32
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 27 01:32:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

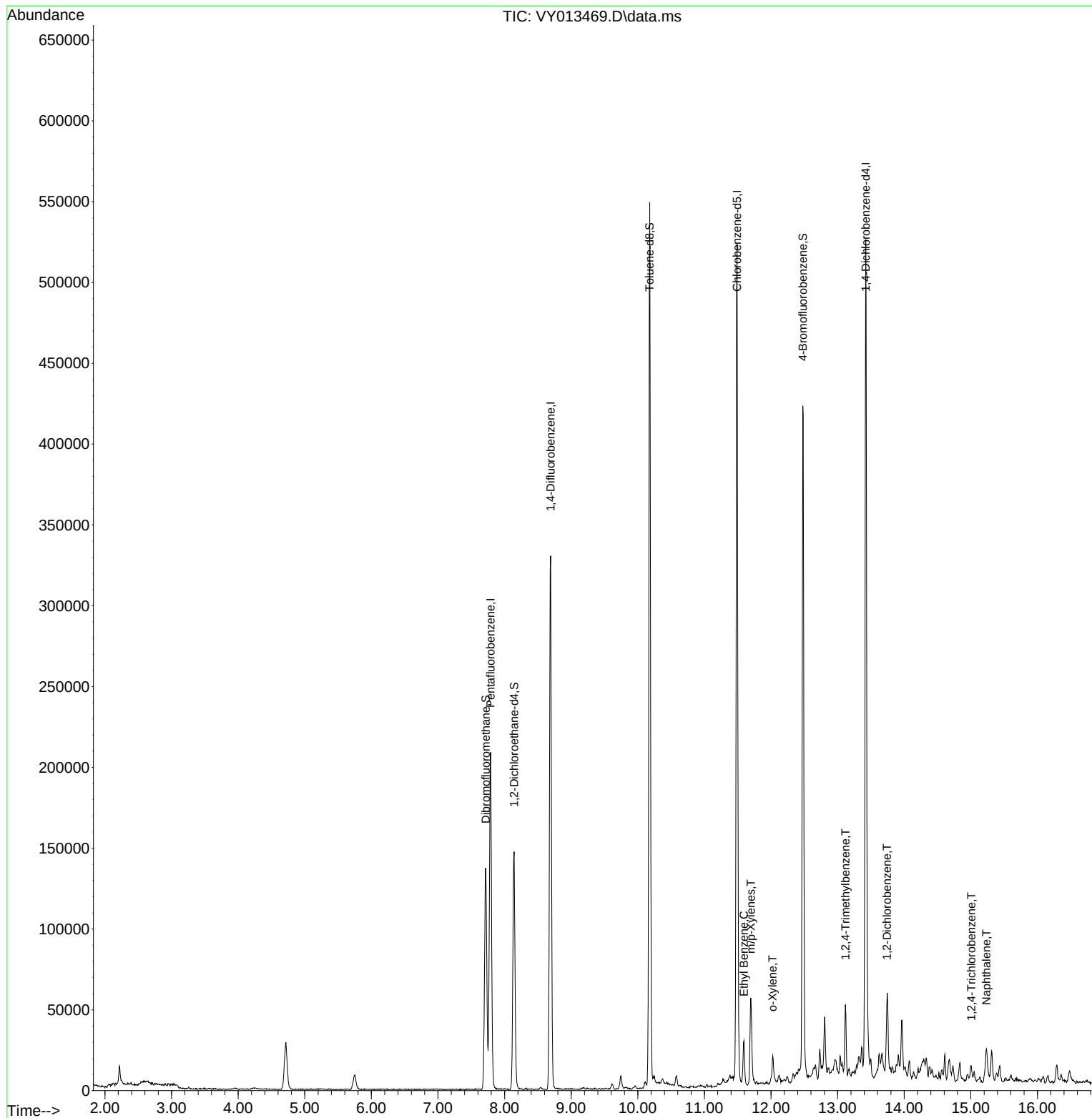
Internal Standards						
1) Pentafluorobenzene	7.789	168	147862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113634	70.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.220%	
35) Dibromofluoromethane	7.716	113	95375	57.090	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.180%	
50) Toluene-d8	10.179	98	335527	56.457	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.920%	
62) 4-Bromofluorobenzene	12.477	95	119478	59.633	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.260%	
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.593	91	18376	1.850	ug/l	99
68) m/p-Xylenes	11.697	106	14358	3.802	ug/l	99
69) o-Xylene	12.026	106	4166	1.166	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	20571	2.807	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	9147	2.376	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	2414	1.052	ug/l #	77
95) Naphthalene	15.233	128	14399	2.891	ug/l	96

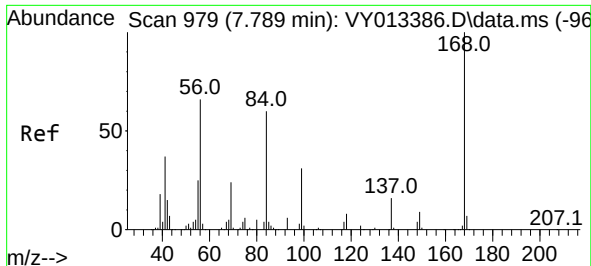
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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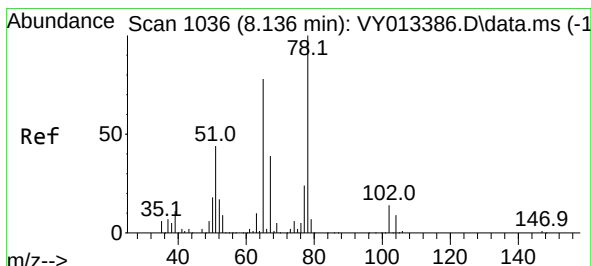
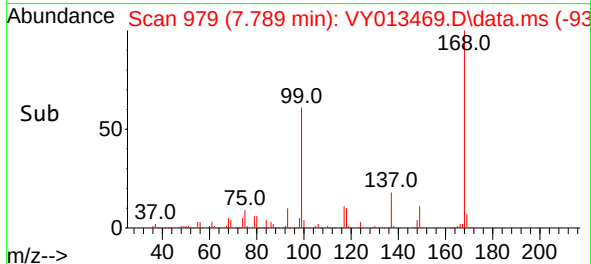
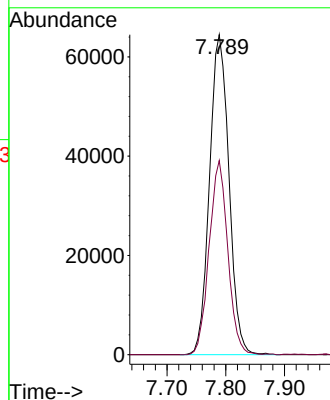
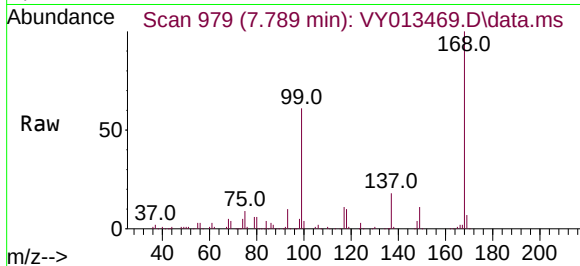




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

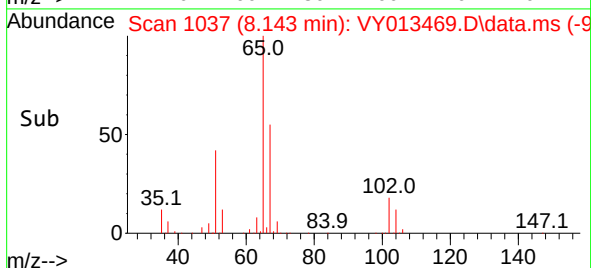
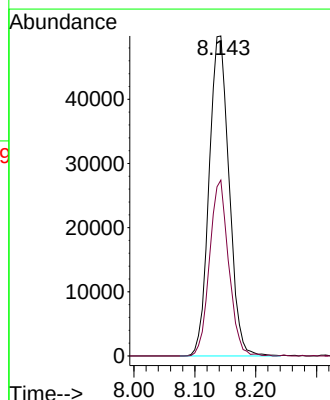
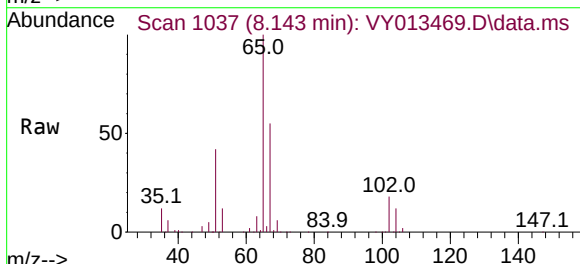
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

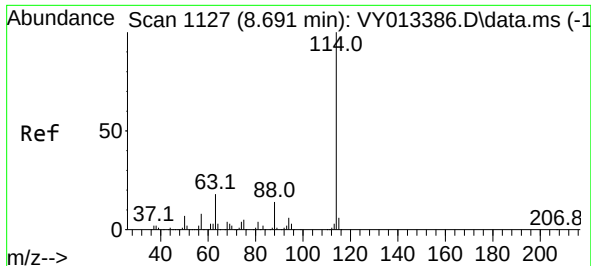
Tgt Ion:168 Resp: 147862
Ion Ratio Lower Upper
168 100
99 60.7 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 70.106 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion: 65 Resp: 113634
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

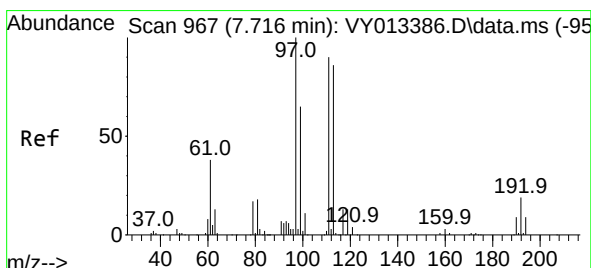
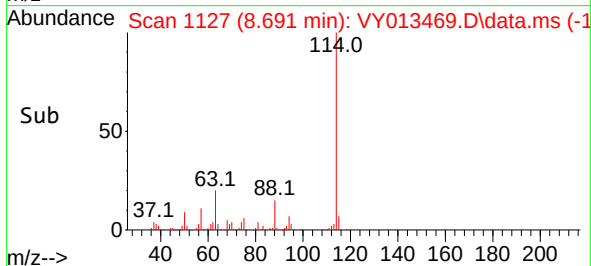
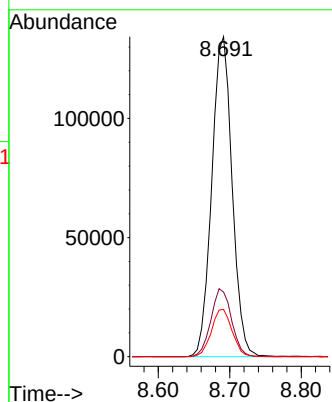
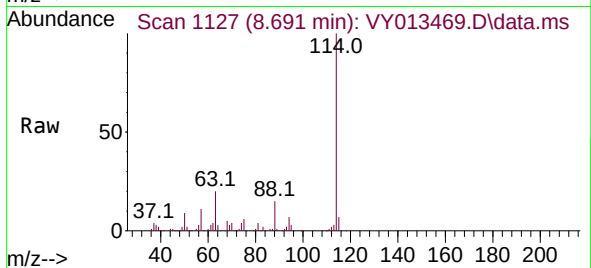
Tgt Ion:114 Resp: 265617

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 57.090 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

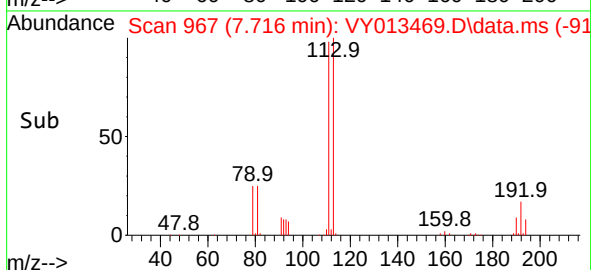
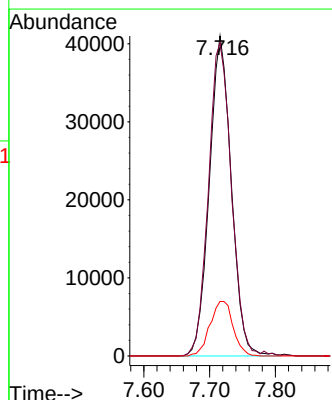
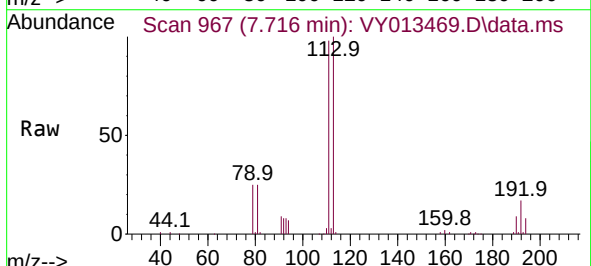
Tgt Ion:113 Resp: 95375

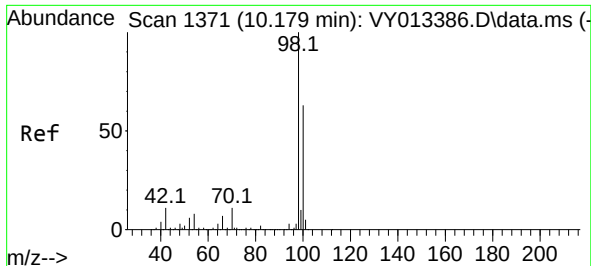
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

192 17.9 16.7 25.1

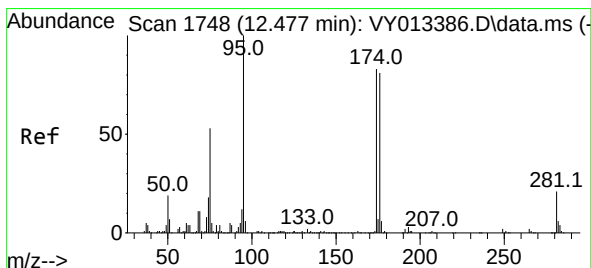
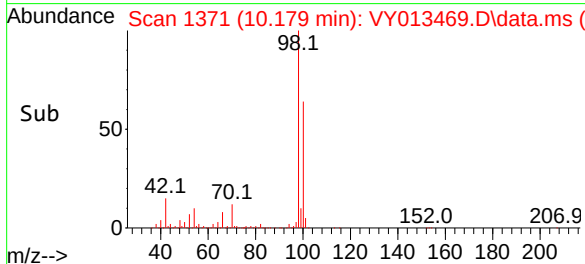
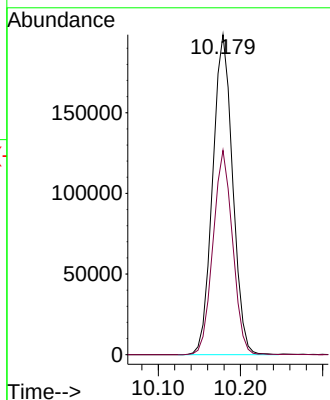
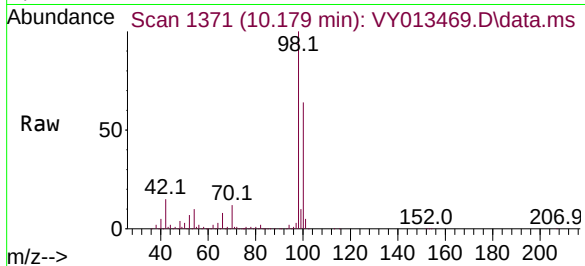




#50
Toluene-d8
Concen: 56.457 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

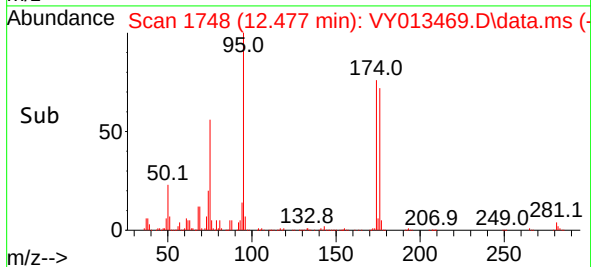
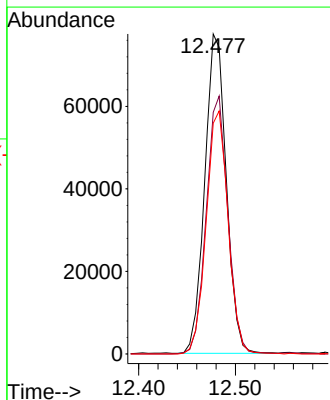
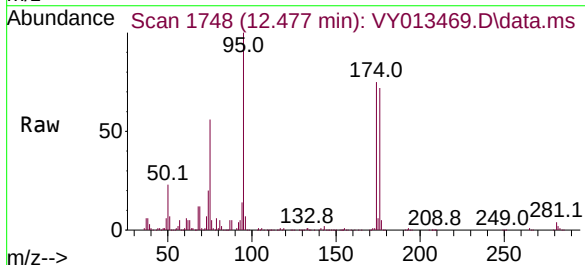
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

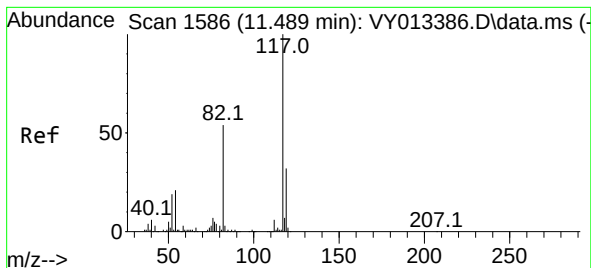
Tgt Ion: 98 Resp: 335527
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 59.633 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion: 95 Resp: 119478
Ion Ratio Lower Upper
95 100
174 81.1 0.0 182.0
176 77.6 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

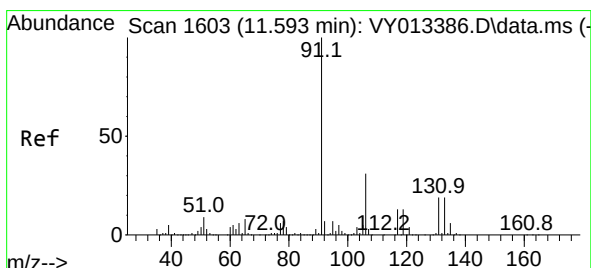
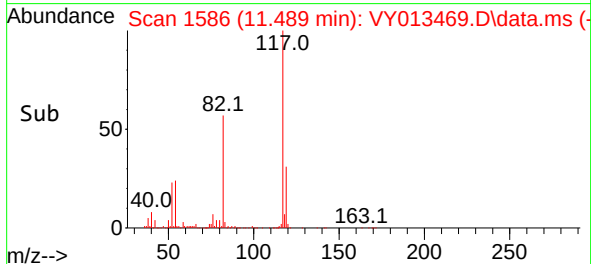
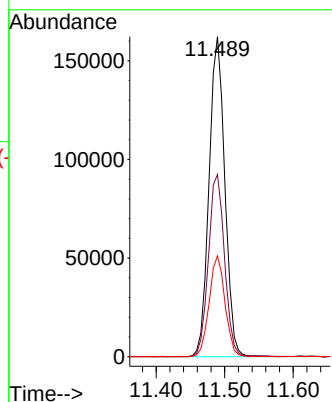
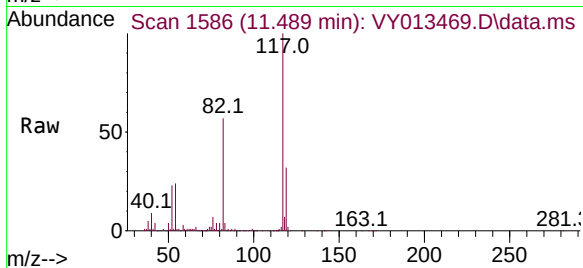
Tgt Ion:117 Resp: 259713

Ion Ratio Lower Upper

117 100

82 56.9 43.0 64.6

119 31.5 25.5 38.3



#67

Ethyl Benzene

Concen: 1.850 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013469.D

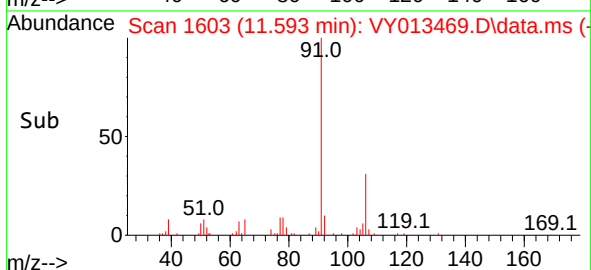
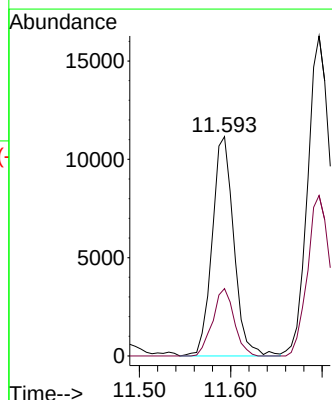
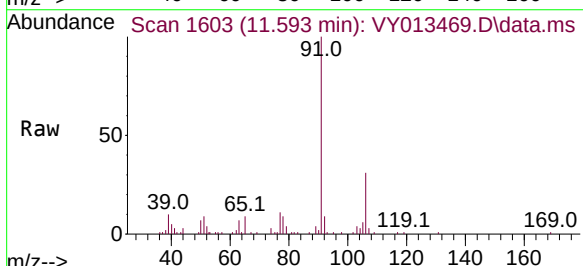
Acq: 26 Apr 2023 13:32

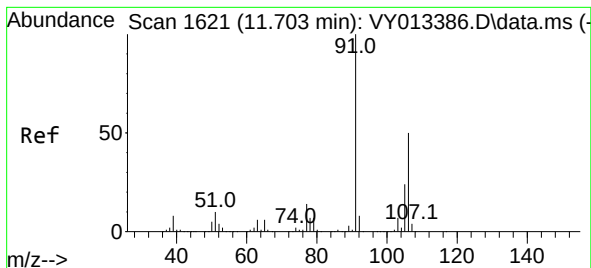
Tgt Ion: 91 Resp: 18376

Ion Ratio Lower Upper

91 100

106 30.7 25.1 37.7

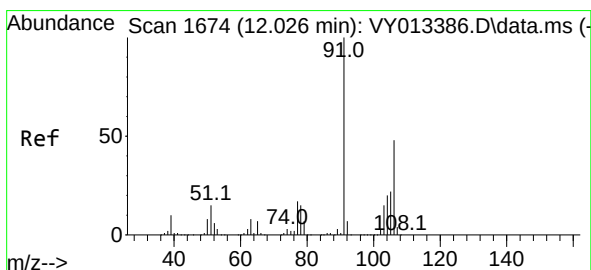
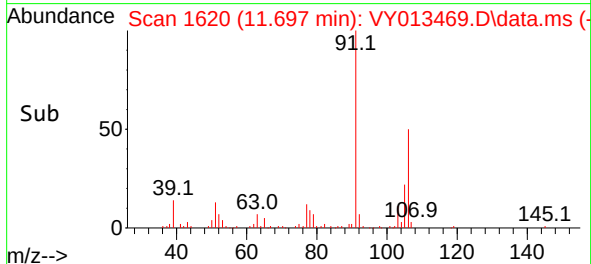
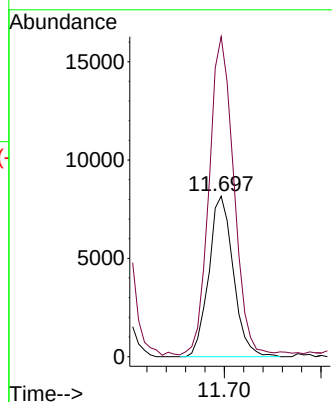
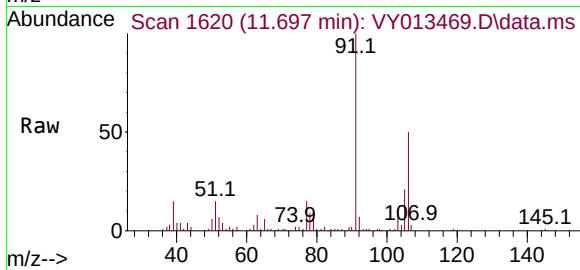




#68
m/p-Xylenes
Concen: 3.802 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

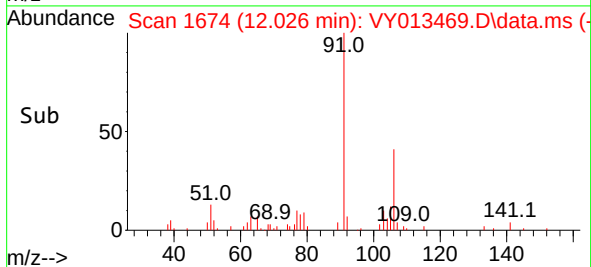
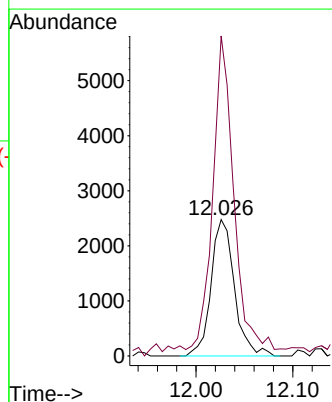
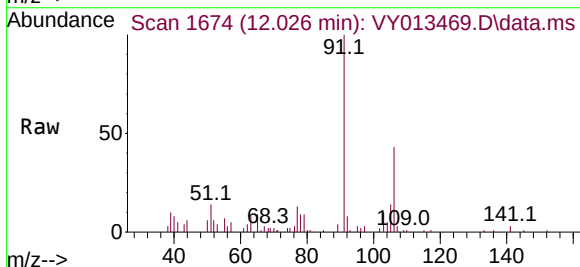
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

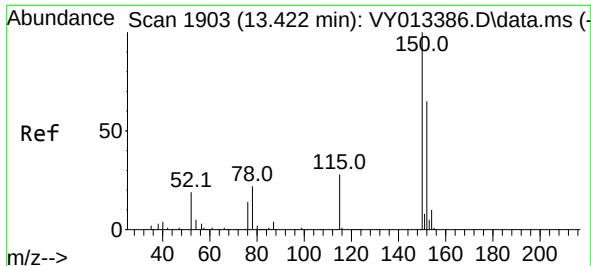
Tgt Ion:106 Resp: 14358
Ion Ratio Lower Upper
106 100
91 199.0 160.9 241.3



#69
o-Xylene
Concen: 1.166 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion:106 Resp: 4166
Ion Ratio Lower Upper
106 100
91 202.7 105.5 316.4

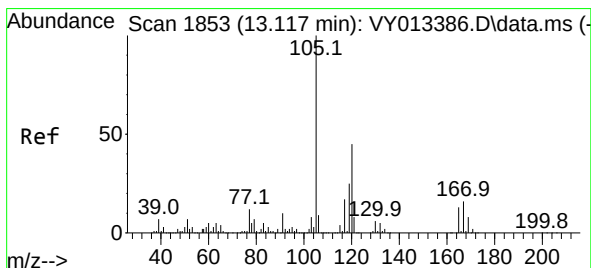
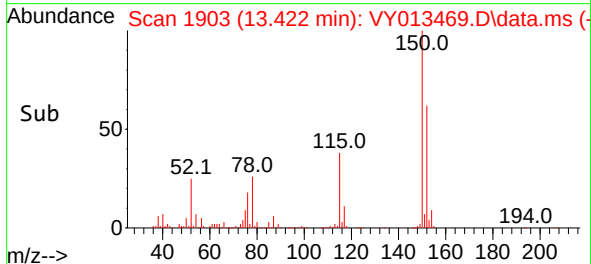
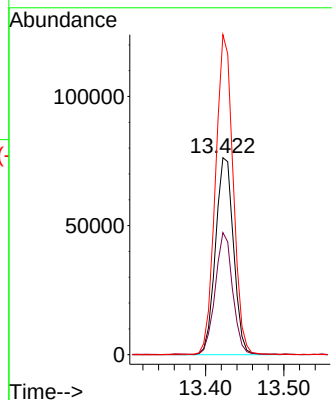
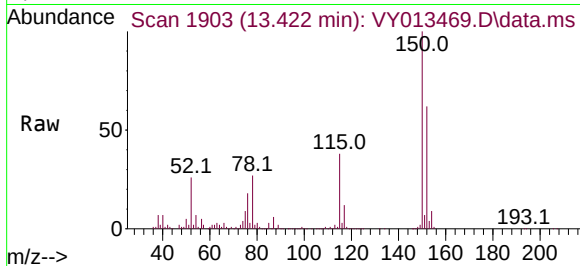




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

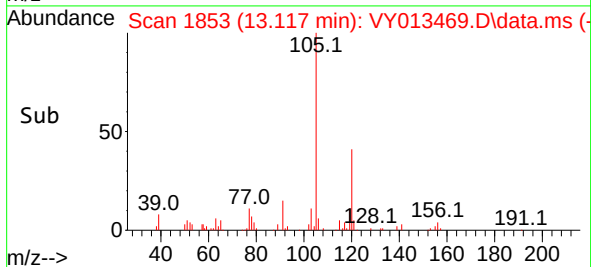
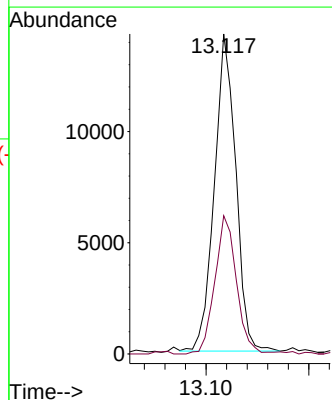
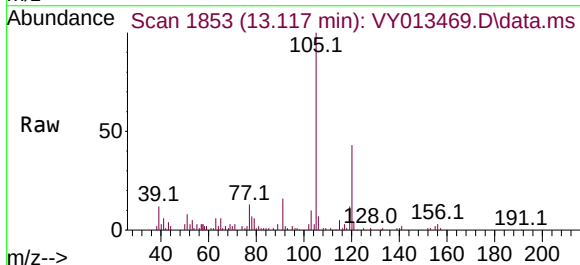
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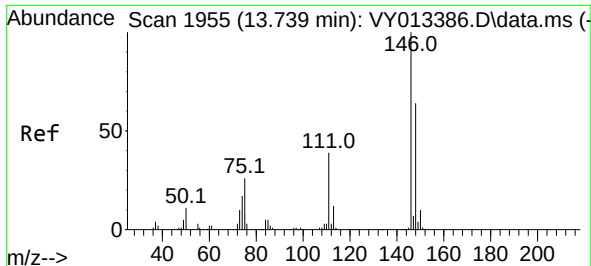
Tgt Ion:152 Resp: 122098
Ion Ratio Lower Upper
152 100
115 60.4 28.1 84.2
150 159.2 0.0 352.0



#84
1,2,4-Trimethylbenzene
Concen: 2.807 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion:105 Resp: 20571
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.9





#91

1,2-Dichlorobenzene

Concen: 2.376 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

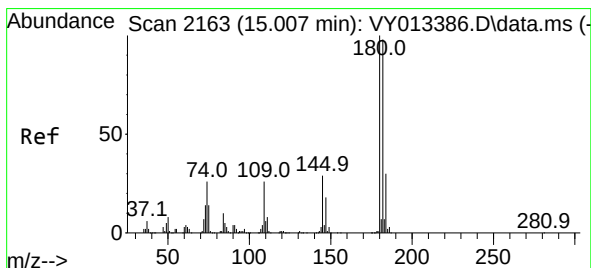
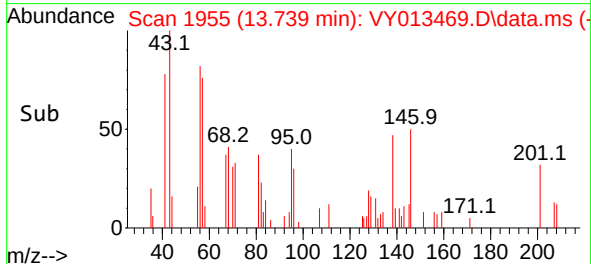
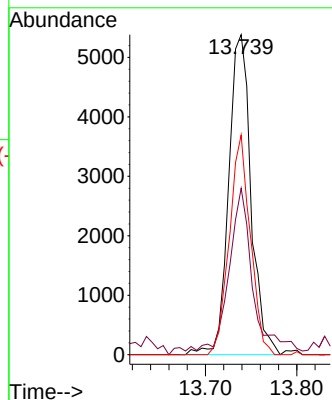
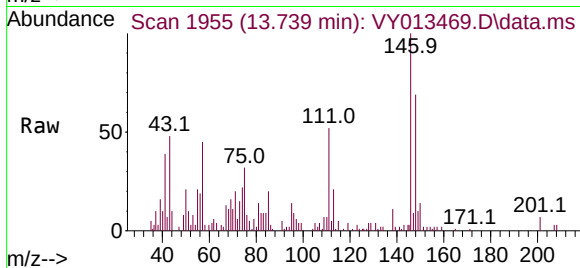
Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion:146	Resp:	9147
Ion Ratio	Lower	Upper
146	100	
111	52.3	19.8 59.4
148	64.5	31.8 95.4



#93

1,2,4-Trichlorobenzene

Concen: 1.052 ug/l

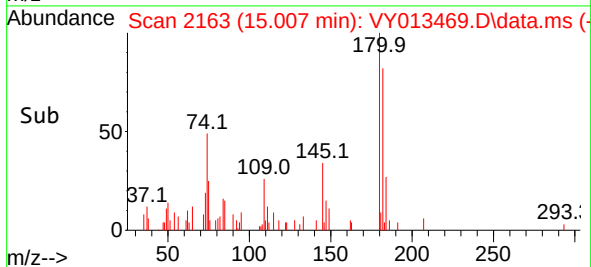
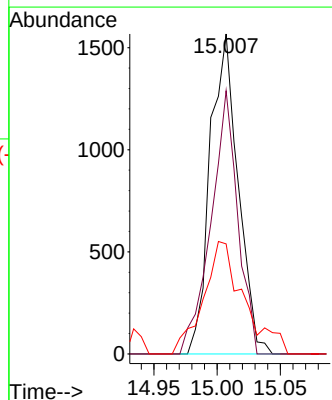
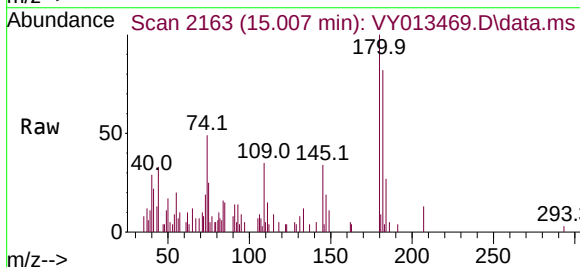
RT: 15.007 min Scan# 2163

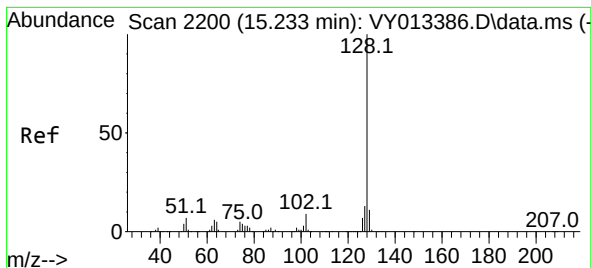
Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Tgt Ion:180	Resp:	2414
Ion Ratio	Lower	Upper
180	100	
182	78.5	48.5 145.5
145	50.7	15.0 45.0#





#95

Naphthalene

Concen: 2.891 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013469.D

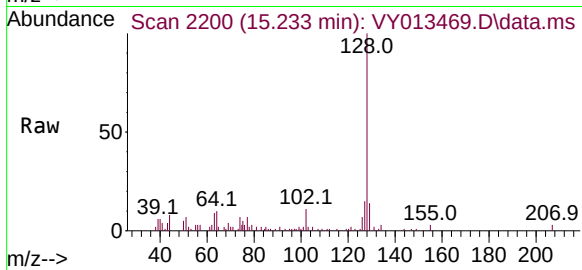
Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 14399

Ion Ratio Lower Upper

128 100

127 15.6 10.7 16.1

129 11.8 8.8 13.2

