

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011818.D
 Acq On : 14 Dec 2022 02:00
 Operator : KP/MD
 Sample : N6037-12
 Misc : 4.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-23-(0.5-2.5)

Quant Time: Dec 14 05:37:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

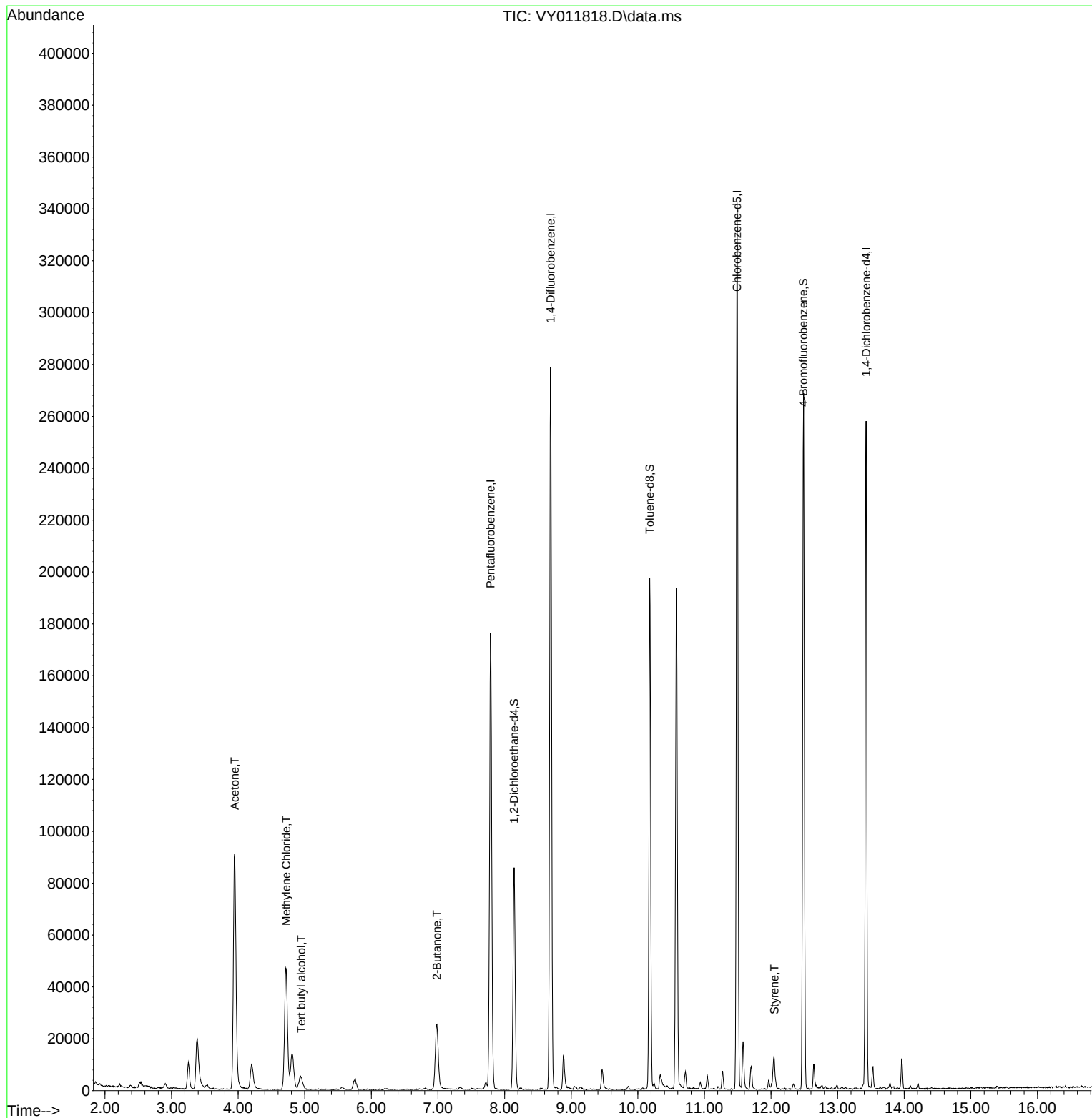
Internal Standards						
1) Pentafluorobenzene	7.789	168	136286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	187244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66891	74.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.500%
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.179	98	132714	35.864	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	71.720%
62) 4-Bromofluorobenzene	12.483	95	45562	30.799	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	7808	7.724	ug/l #	79
16) Acetone	3.948	43	159021	427.322	ug/l	98
20) Methylene Chloride	4.722	84	35795	23.961	ug/l	94
25) 2-Butanone	6.984	43	20485	42.795	ug/l	95
70) Styrene	12.050	104	5501	1.485	ug/l	91

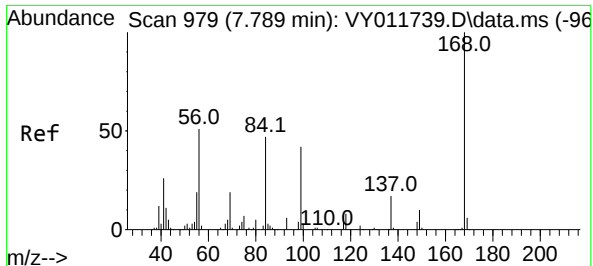
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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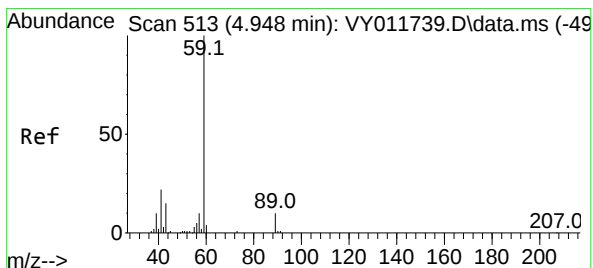
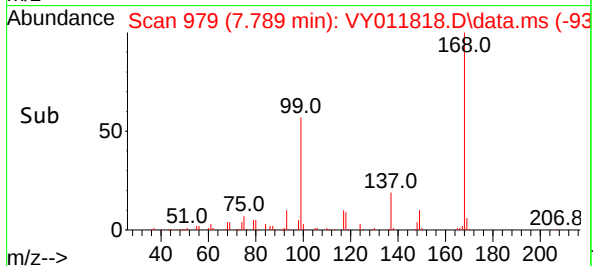
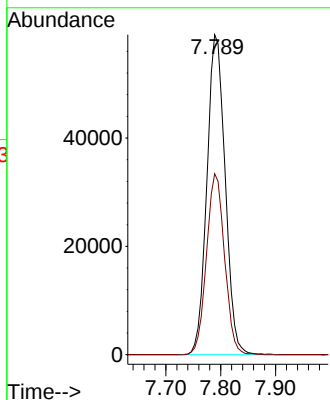
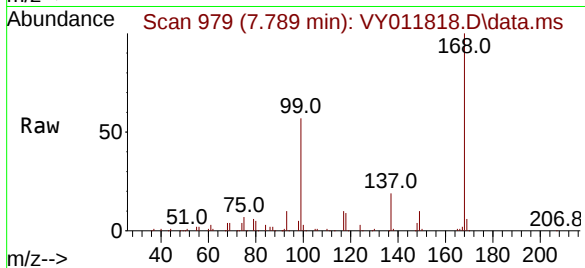




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

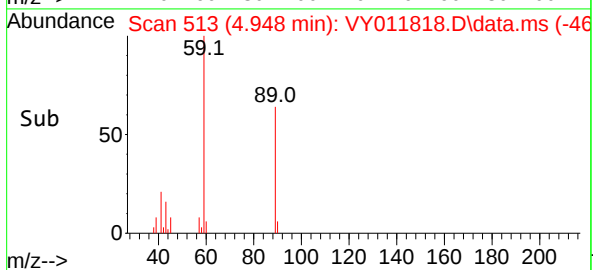
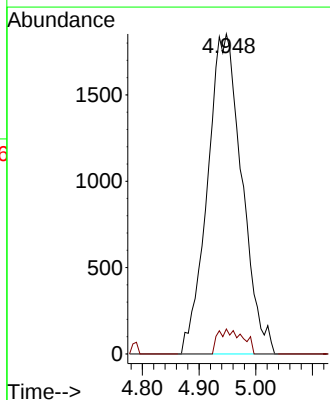
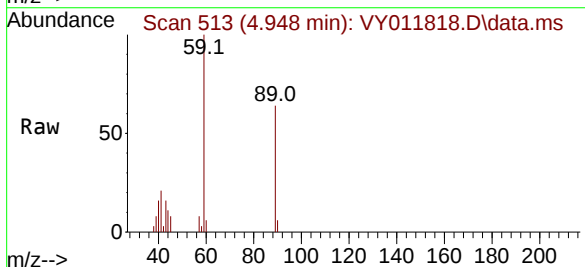
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

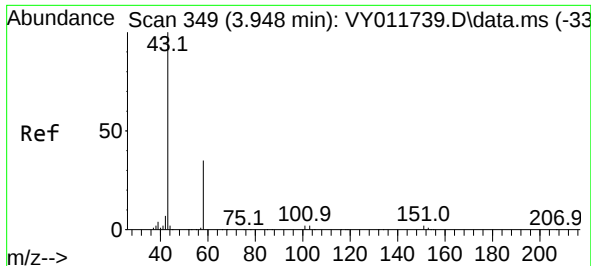
Tgt Ion:168 Resp: 136286
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#11
Tert butyl alcohol
Concen: 7.724 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 59 Resp: 7808
Ion Ratio Lower Upper
59 100
57 1.6 7.4 11.2#

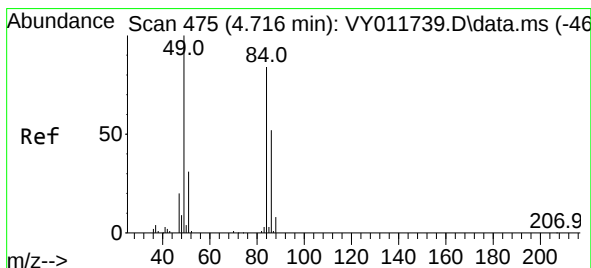
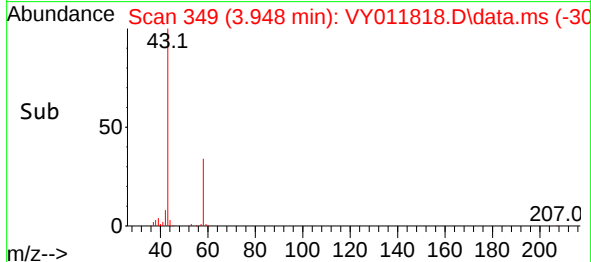
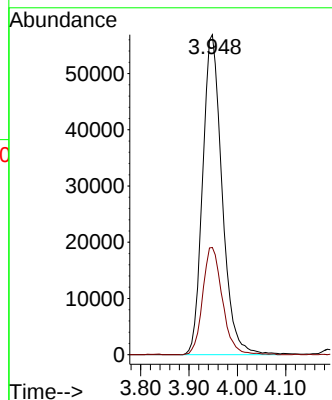
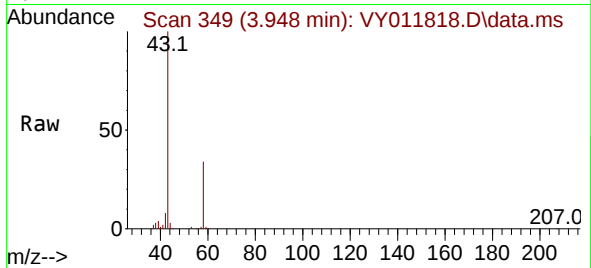




#16
Acetone
Concen: 427.322 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

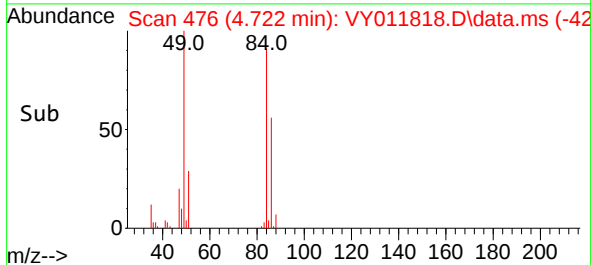
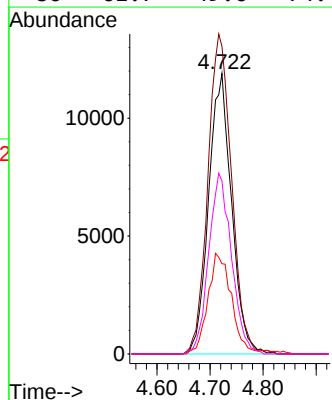
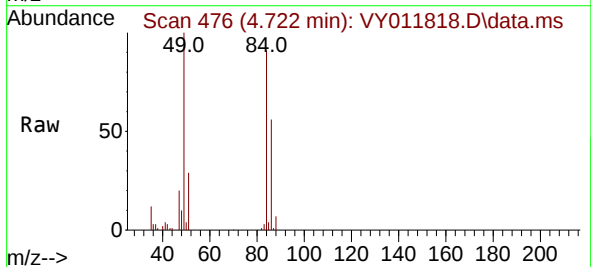
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

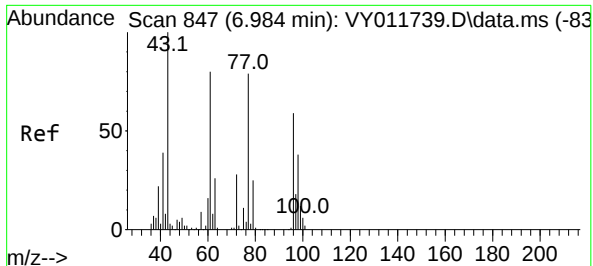
Tgt Ion: 43 Resp: 159021
Ion Ratio Lower Upper
43 100
58 33.5 27.9 41.9



#20
Methylene Chloride
Concen: 23.961 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 84 Resp: 35795
Ion Ratio Lower Upper
84 100
49 109.6 95.4 143.2
51 32.2 29.9 44.9
86 61.7 49.6 74.4

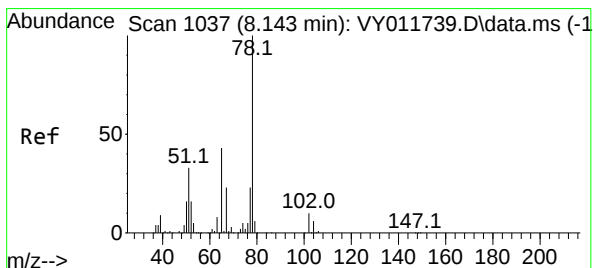
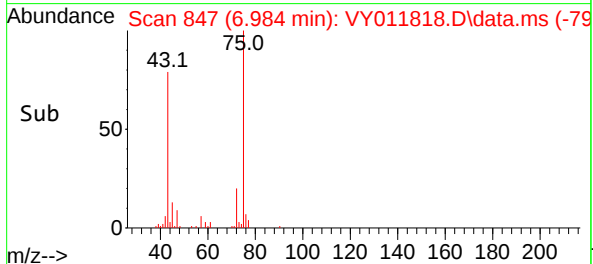
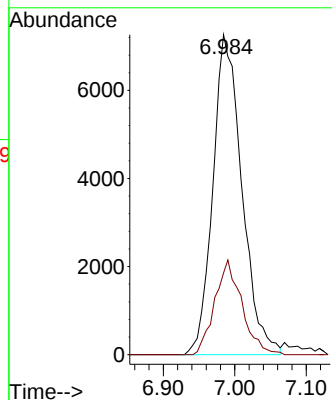
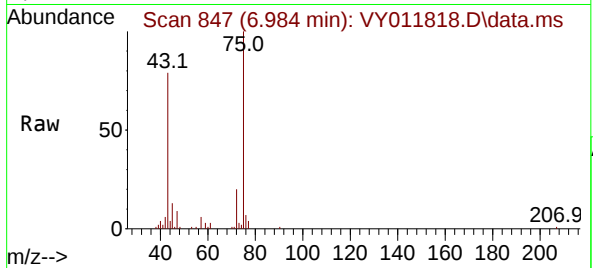




#25
2-Butanone
Concen: 42.795 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

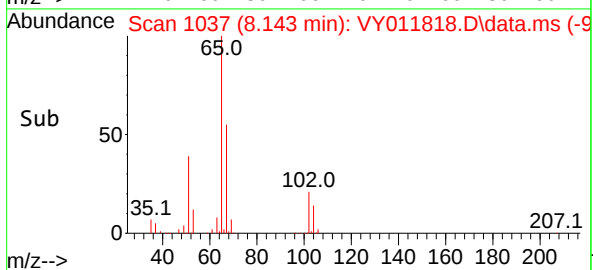
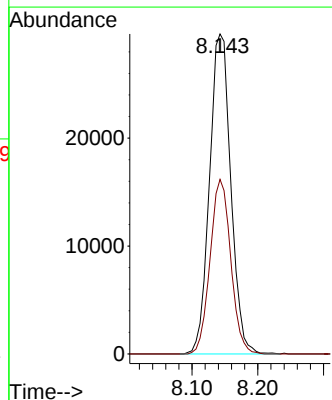
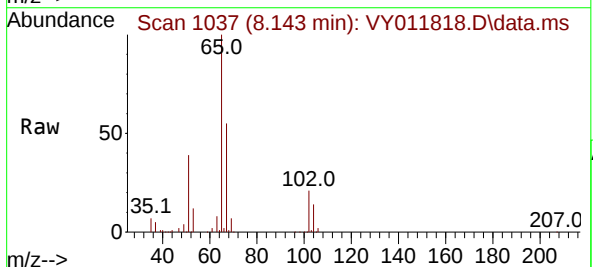
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

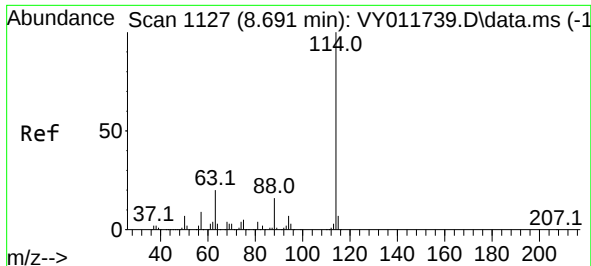
Tgt Ion: 43 Resp: 20485
Ion Ratio Lower Upper
43 100
72 25.6 22.6 34.0



#33
1,2-Dichloroethane-d4
Concen: 74.251 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 65 Resp: 66891
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(0.5-2.5)

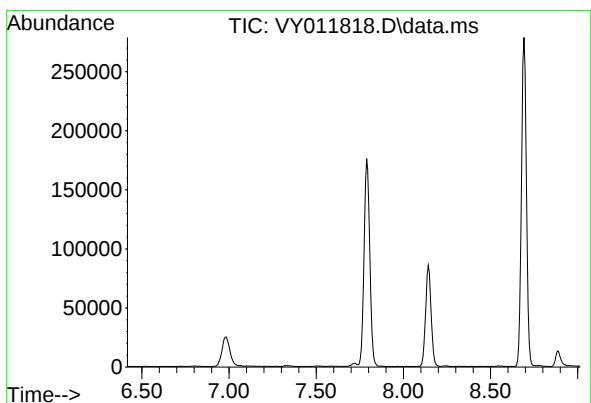
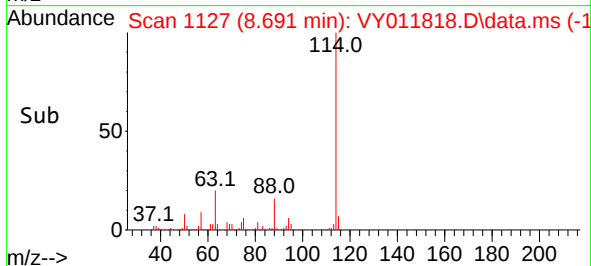
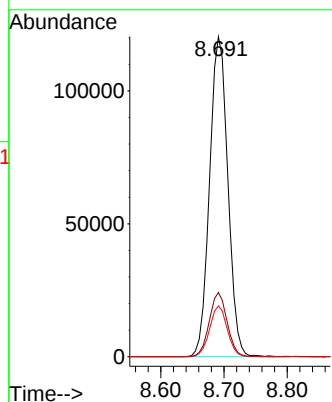
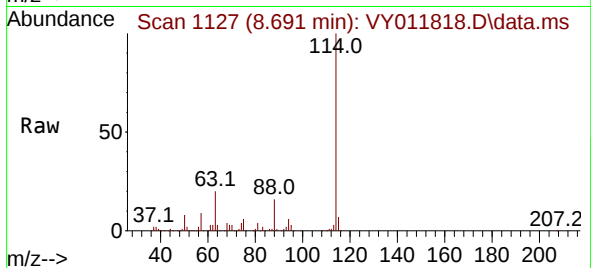
Tgt Ion:114 Resp: 241405

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.72 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

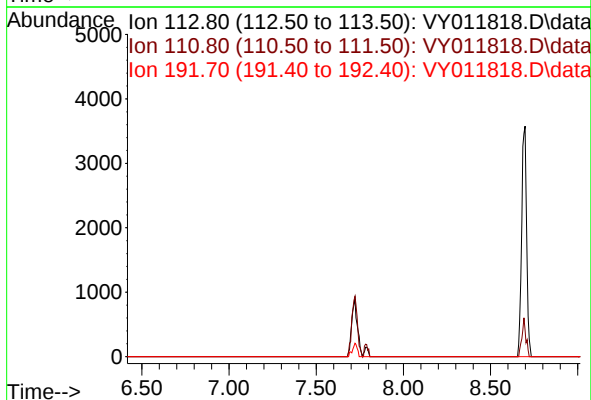
Tgt Ion: 113

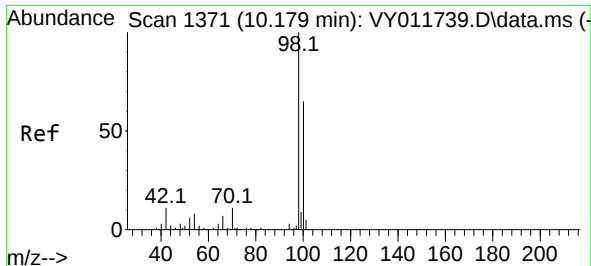
Sig Exp Ratio

113 100

111 103.7

192 20.0

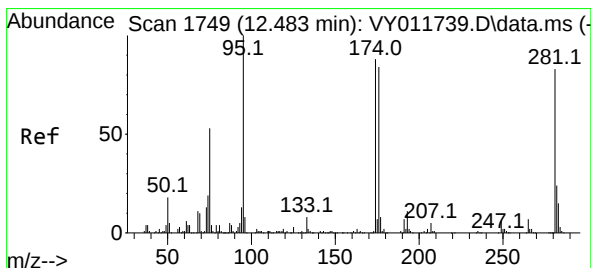
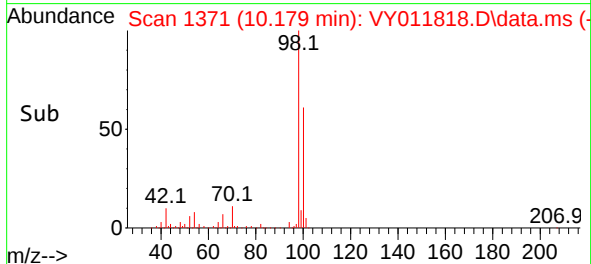
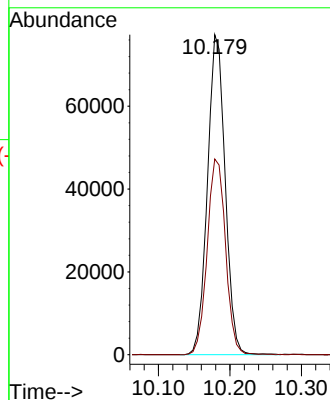
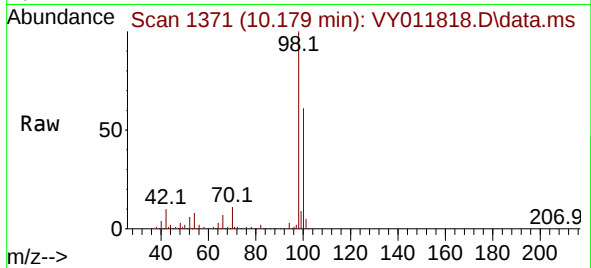




#50
Toluene-d8
Concen: 35.864 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

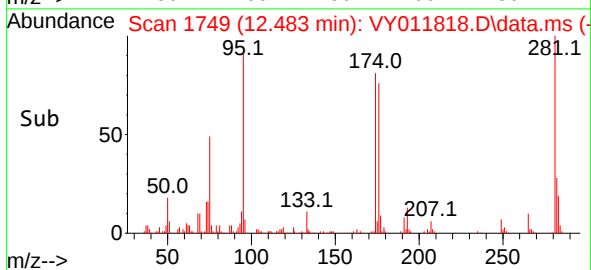
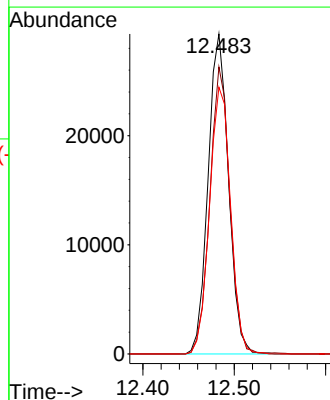
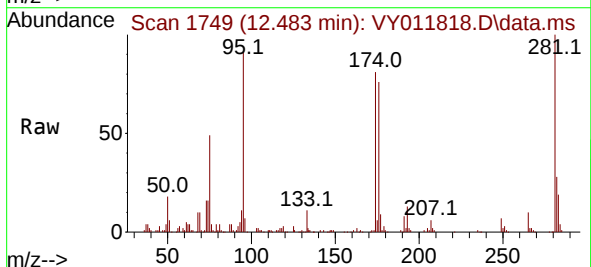
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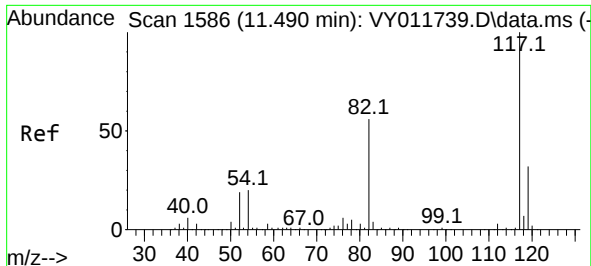
Tgt Ion: 98 Resp: 132714
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 30.799 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 95 Resp: 45562
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.0
176 86.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(0.5-2.5)

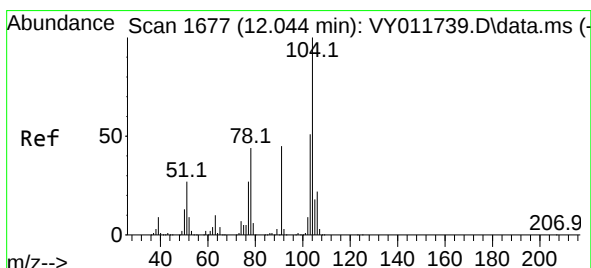
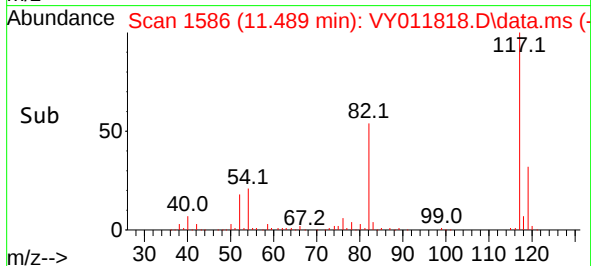
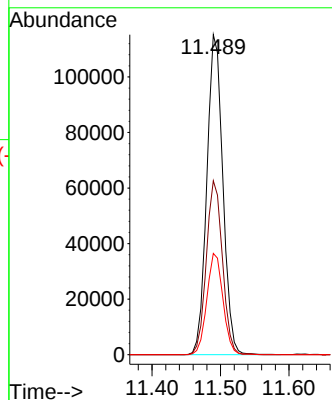
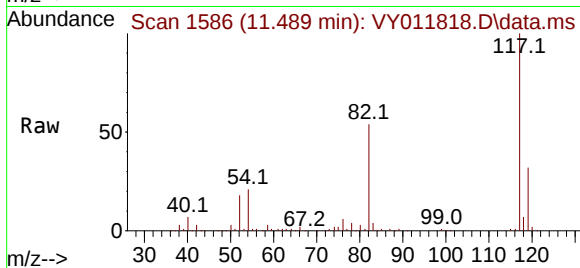
Tgt Ion:117 Resp: 187244

Ion Ratio Lower Upper

117 100

82 54.4 44.8 67.2

119 31.7 25.4 38.2



#70

Styrene

Concen: 1.485 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

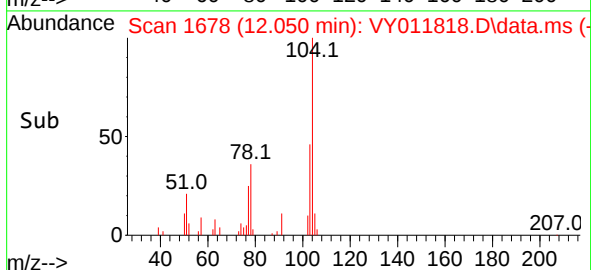
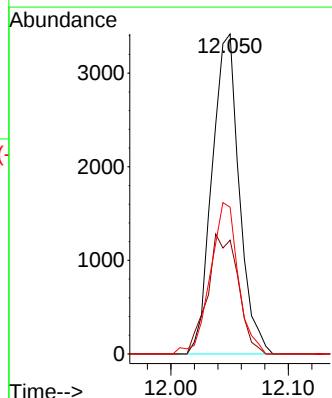
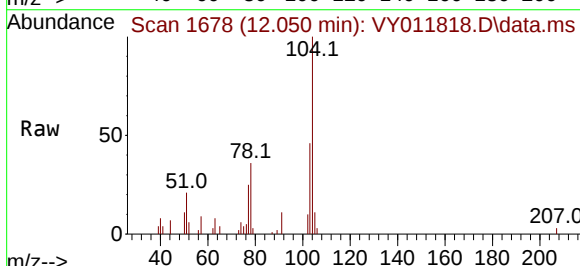
Tgt Ion:104 Resp: 5501

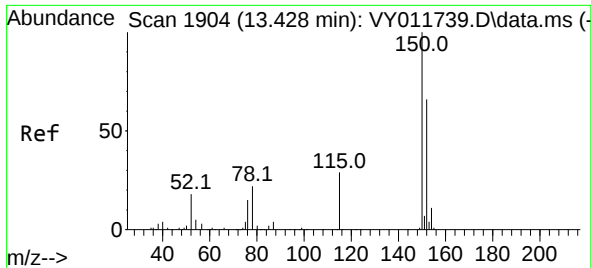
Ion Ratio Lower Upper

104 100

78 42.1 39.4 59.0

103 48.2 43.0 64.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011818.D

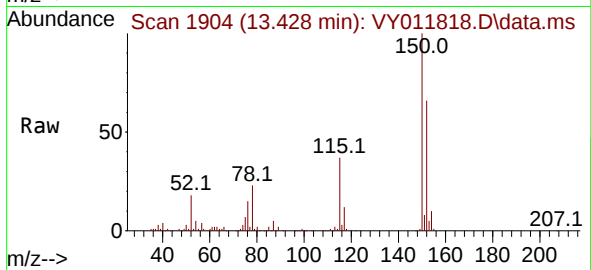
Acq: 14 Dec 2022 02:00

Instrument :

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Tgt Ion:152 Resp: 68788

Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.3

150 156.0 0.0 342.6

