

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011873.D
 Acq On : 15 Dec 2022 15:44
 Operator : KP/MD
 Sample : N6038-19
 Misc : 3.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-38-(3-5)

Quant Time: Dec 16 00:14:55 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)

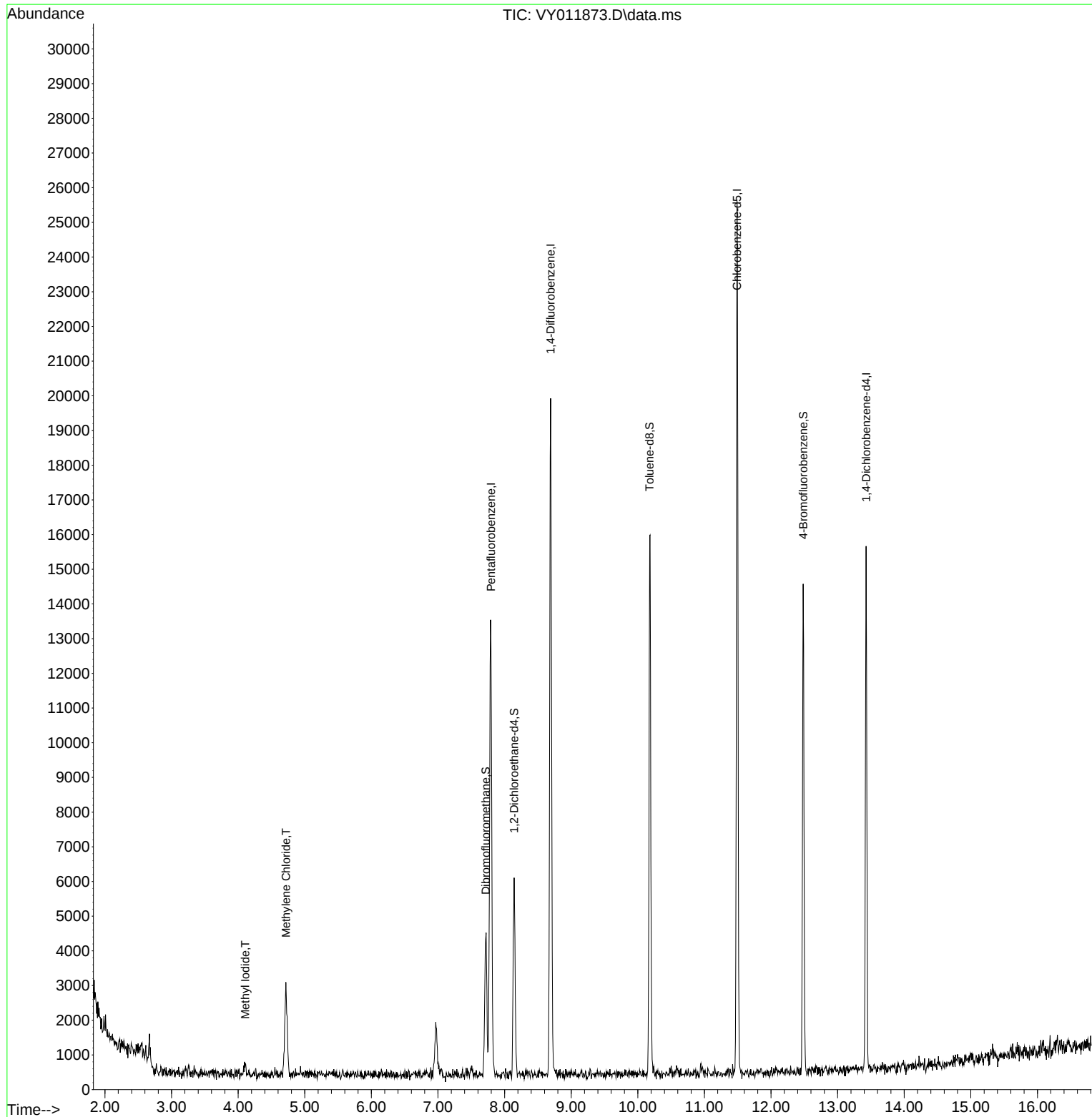
Internal Standards						
1) Pentafluorobenzene	7.795	168	11028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4580	62.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.020%
35) Dibromofluoromethane	7.715	113	2970	37.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.180%
50) Toluene-d8	10.178	98	11181	43.397	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.800%
62) 4-Bromofluorobenzene	12.483	95	4429	43.466	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.940%
Target Compounds						
10) Methyl Iodide	4.106	142	470	4.436	ug/l #	76
20) Methylene Chloride	4.716	84	1744	11.779	ug/l	88

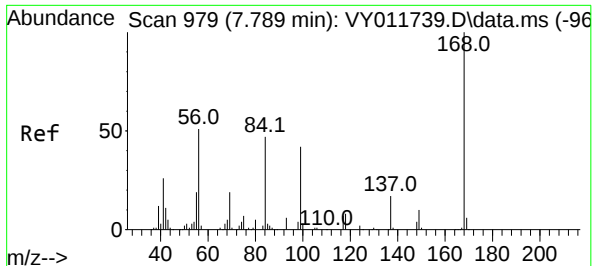
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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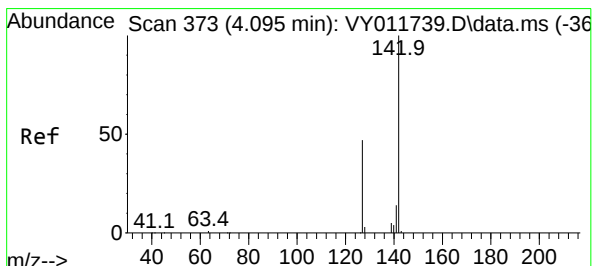
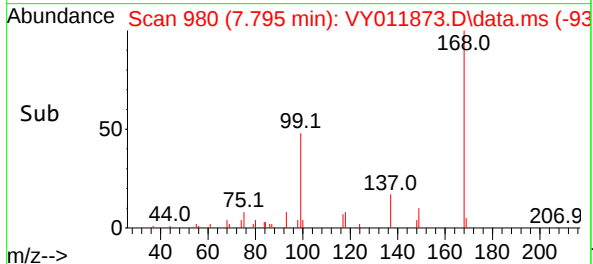
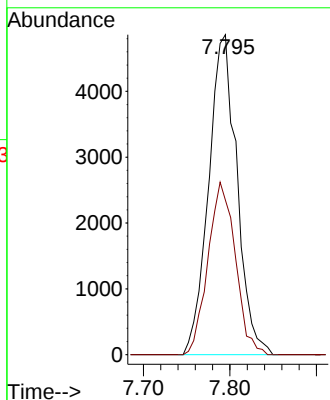
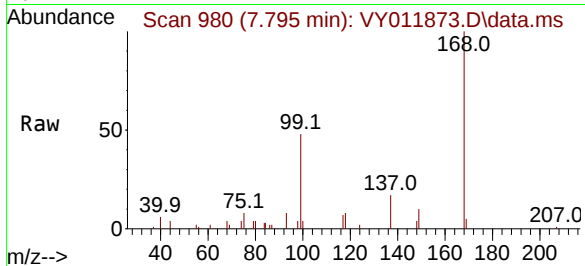




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

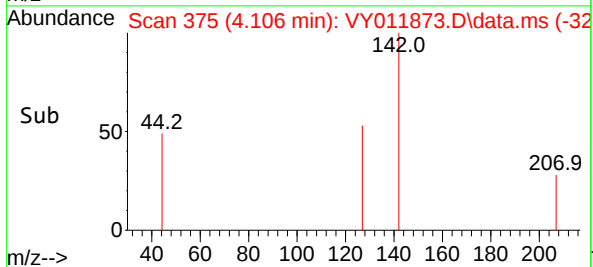
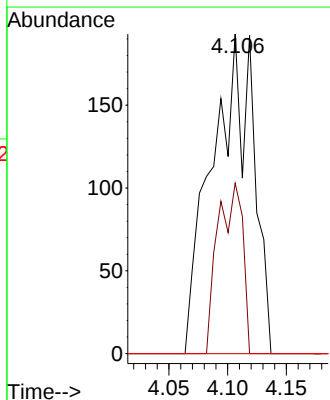
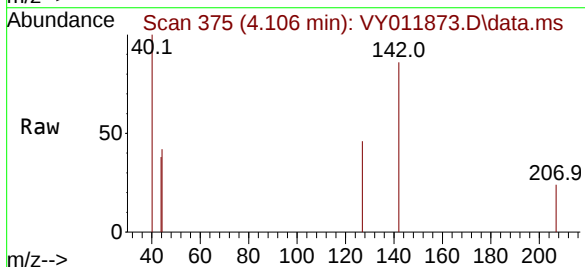
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

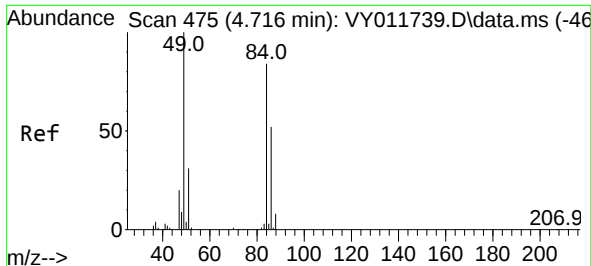
Tgt Ion:168 Resp: 11028
Ion Ratio Lower Upper
168 100
99 48.3 44.0 66.0



#10
Methyl Iodide
Concen: 4.436 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
127 32.1 37.0 55.4#
141 0.0 11.4 17.0#





#20

Methylene Chloride

Concen: 11.779 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011873.D

Acq: 15 Dec 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

RB-38-(3-5)

Tgt Ion: 84 Resp: 1744

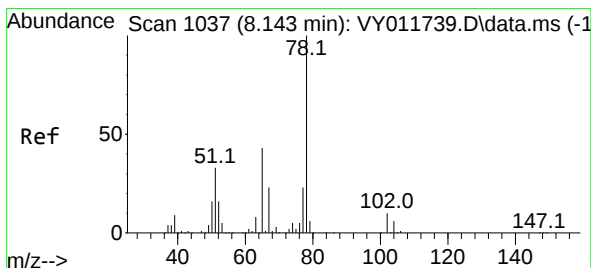
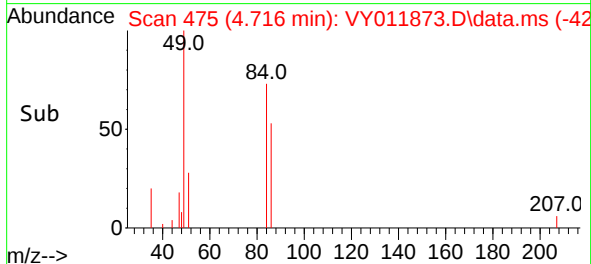
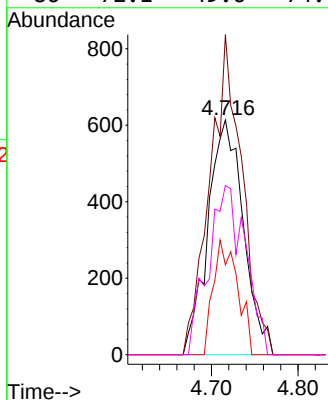
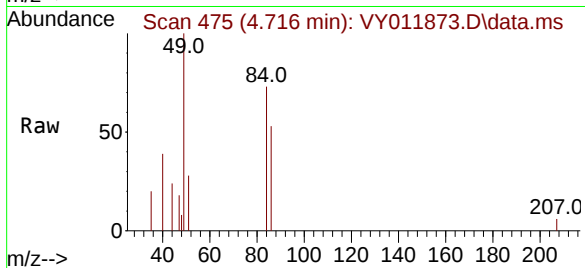
Ion Ratio Lower Upper

84 100

49 136.3 95.4 143.2

51 38.3 29.9 44.9

86 72.1 49.6 74.4



#33

1,2-Dichloroethane-d4

Concen: 62.013 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011873.D

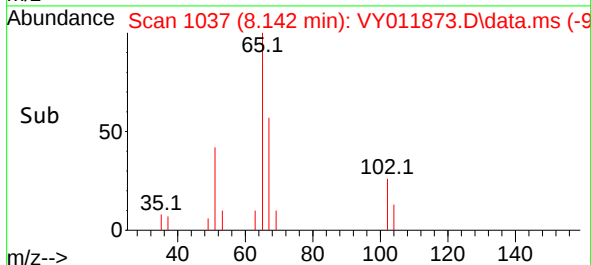
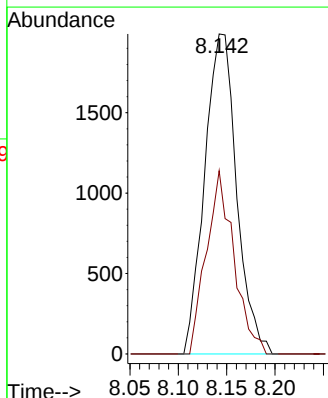
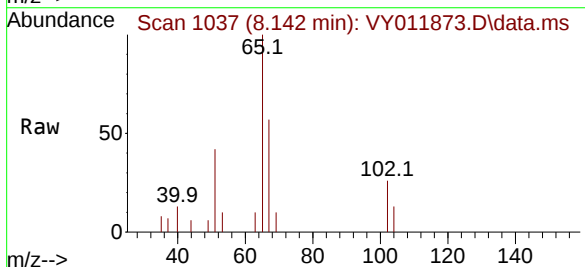
Acq: 15 Dec 2022 15:44

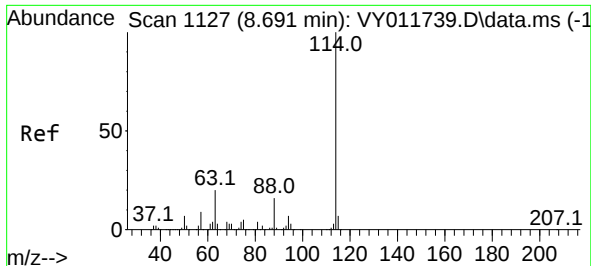
Tgt Ion: 65 Resp: 4580

Ion Ratio Lower Upper

65 100

67 49.3 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY011873.D

Acq: 15 Dec 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

RB-38-(3-5)

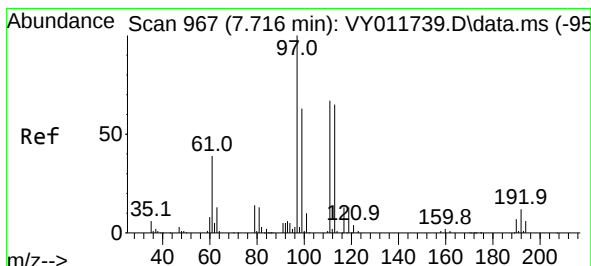
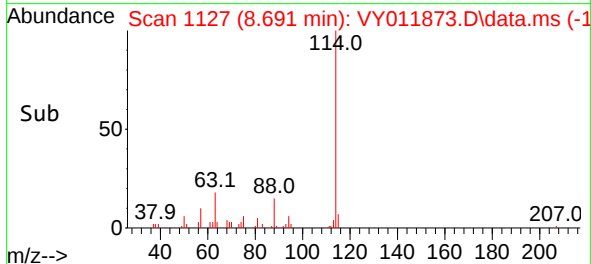
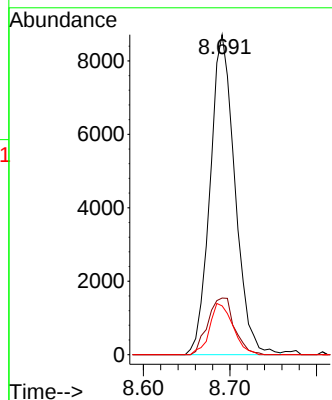
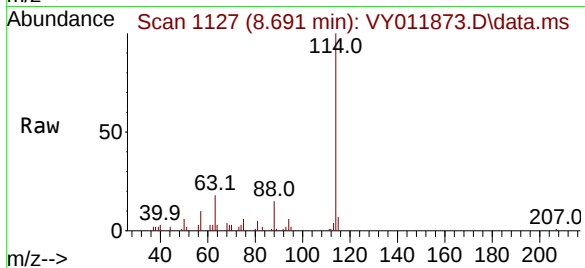
Tgt Ion:114 Resp: 17337

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 37.593 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY011873.D

Acq: 15 Dec 2022 15:44

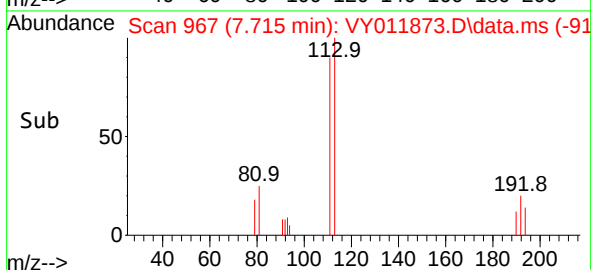
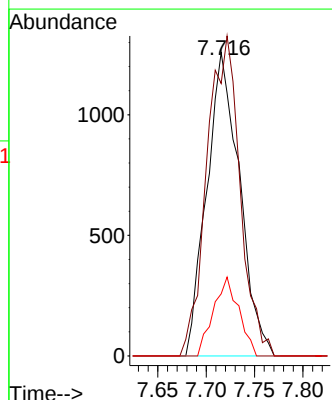
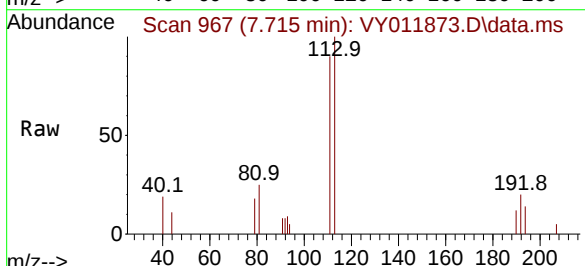
Tgt Ion:113 Resp: 2970

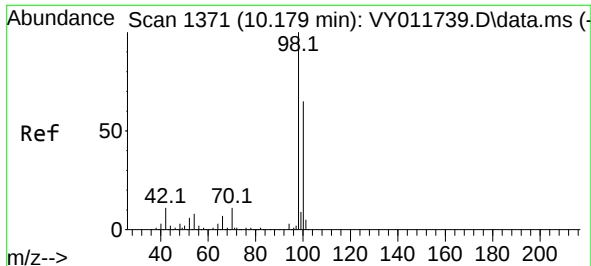
Ion Ratio Lower Upper

113 100

111 106.5 83.0 124.4

192 20.0 16.0 24.0

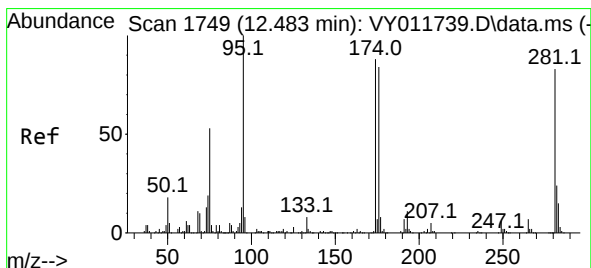
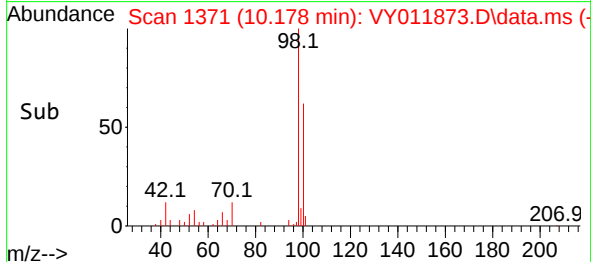
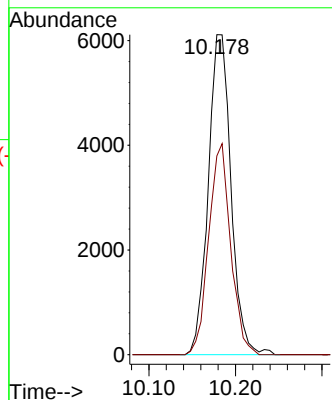
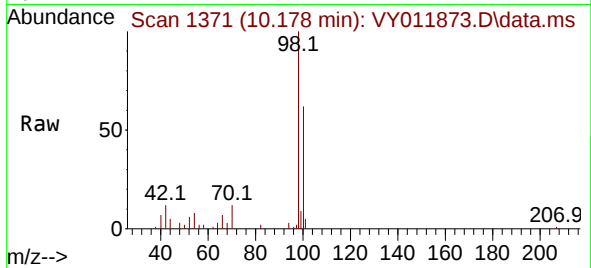




#50
Toluene-d8
Concen: 43.397 ug/l
RT: 10.178 min Scan# 11181
Delta R.T. -0.001 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

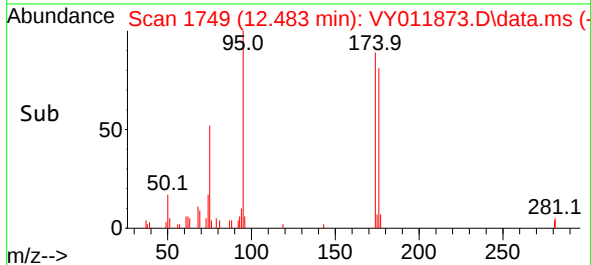
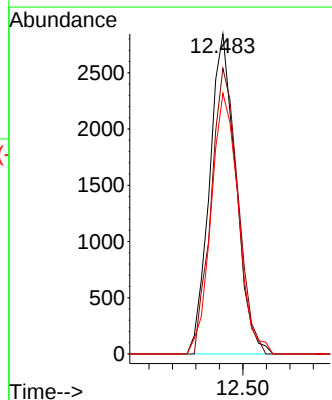
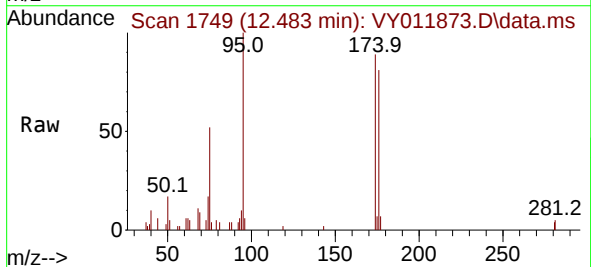
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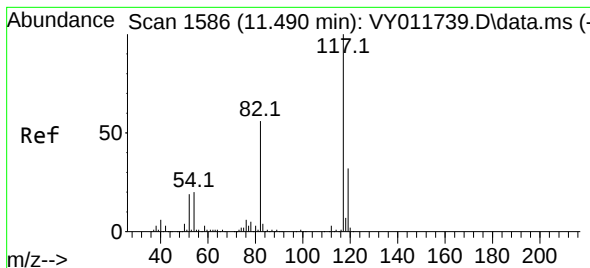
Tgt Ion: 98 Resp: 11181
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.466 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion: 95 Resp: 4429
Ion Ratio Lower Upper
95 100
174 91.0 0.0 172.0
176 84.4 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: VY011873.D

Acq: 15 Dec 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

RB-38-(3-5)

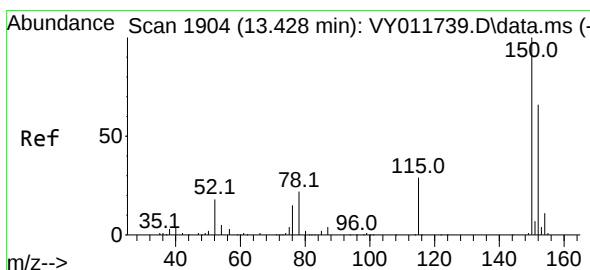
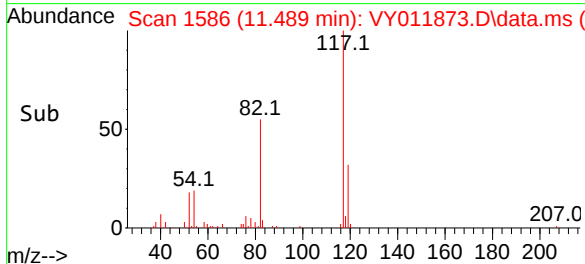
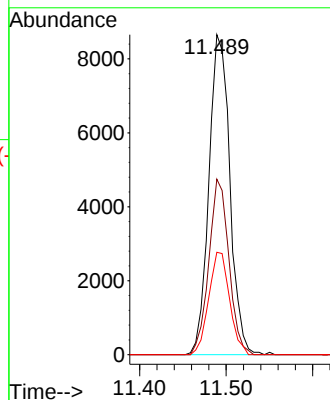
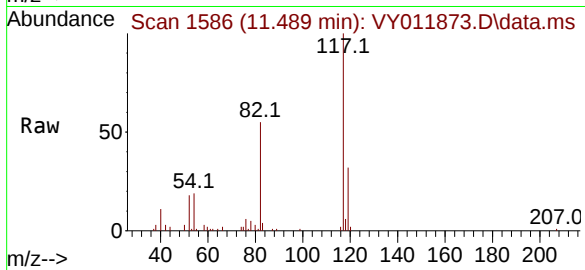
Tgt Ion:117 Resp: 14539

Ion Ratio Lower Upper

117 100

82 54.9 44.8 67.2

119 32.0 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011873.D

Acq: 15 Dec 2022 15:44

Tgt Ion:152 Resp: 4242

Ion Ratio Lower Upper

152 100

115 56.1 29.1 87.3

150 158.5 0.0 342.6

