

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015653.D
 Acq On : 20 Sep 2023 12:58
 Operator : SY/MD
 Sample : 04491-01
 Misc : 3.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B102-05(7.5-8)

Quant Time: Sep 21 03:39:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

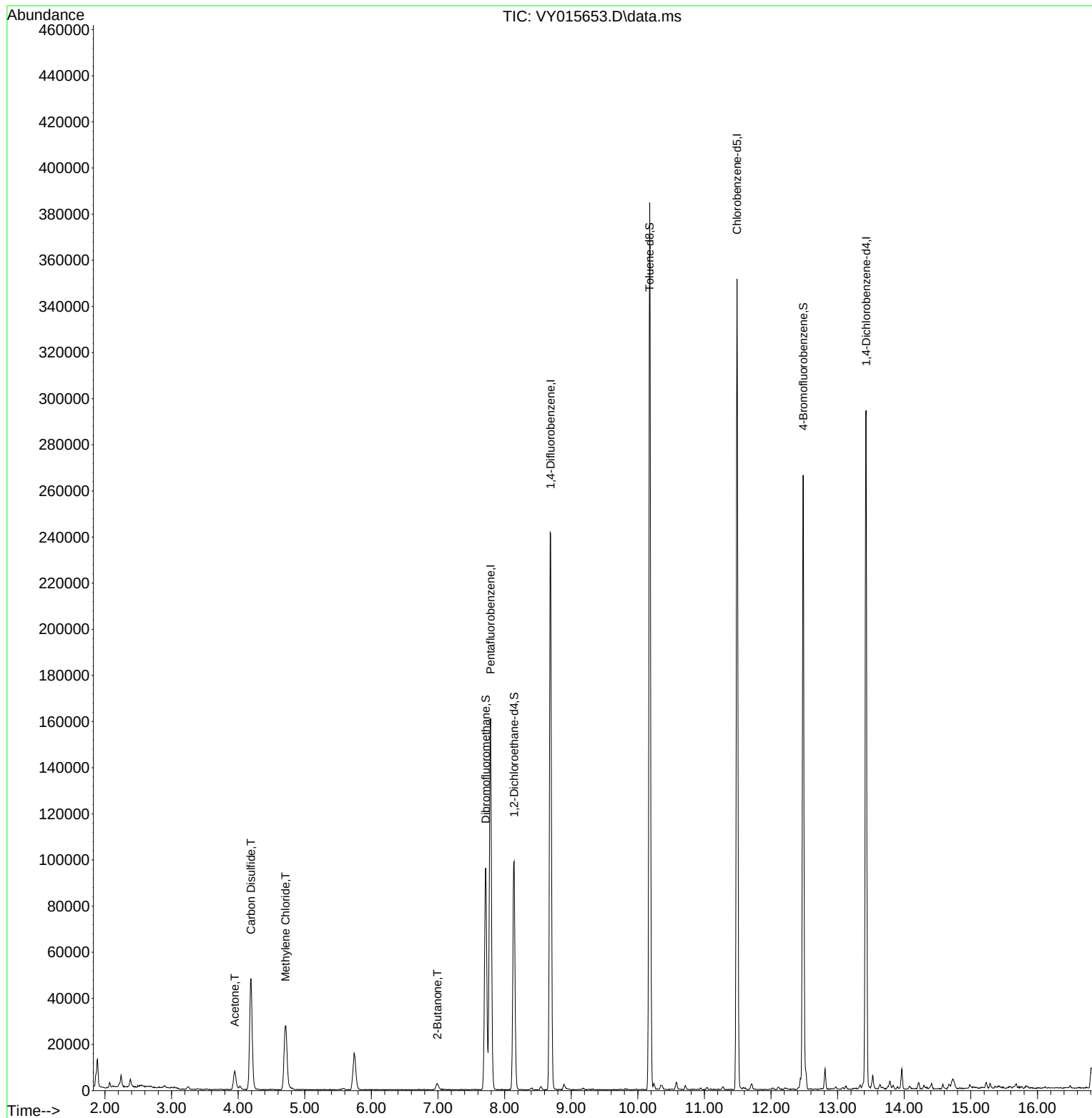
Internal Standards						
1) Pentafluorobenzene	7.789	168	122871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	210898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77447	57.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.580%
35) Dibromofluoromethane	7.716	113	67932	53.816	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.640%
50) Toluene-d8	10.179	98	248571	58.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.160%
62) 4-Bromofluorobenzene	12.483	95	76915	45.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.580%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	14810	20.470	ug/l	91
17) Carbon Disulfide	4.192	76	99065	47.174	ug/l	99
20) Methylene Chloride	4.710	84	21924	9.961	ug/l	89
25) 2-Butanone	6.990	43	4352	4.256	ug/l	92

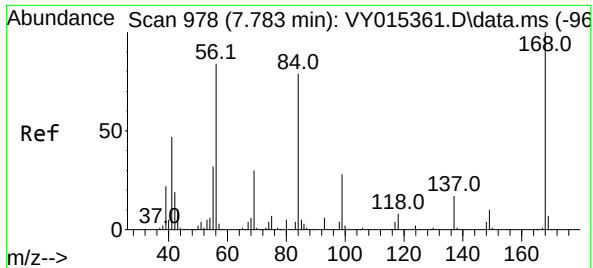
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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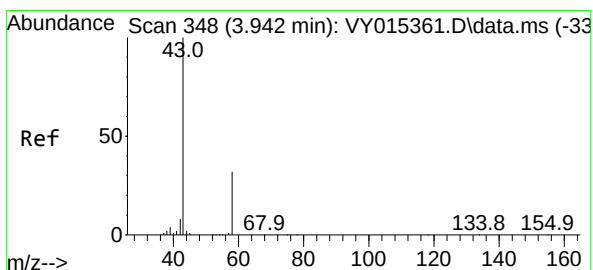
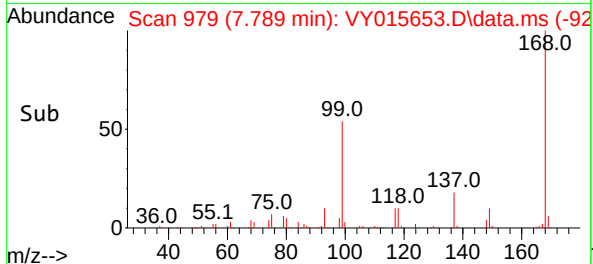
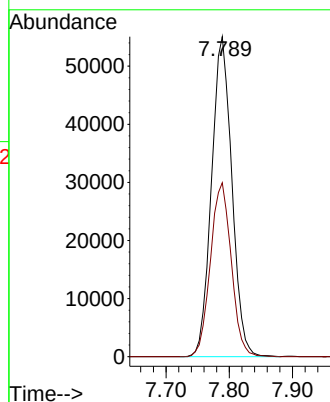
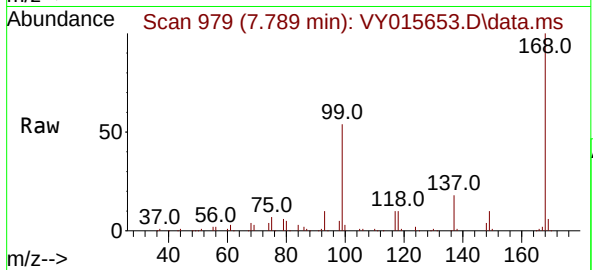




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

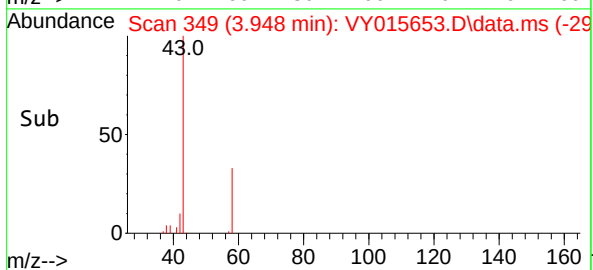
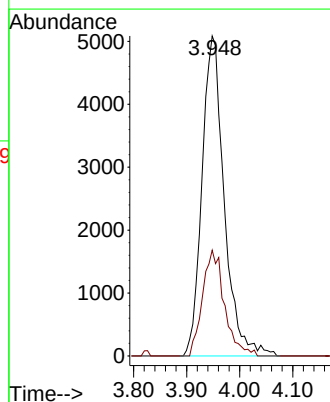
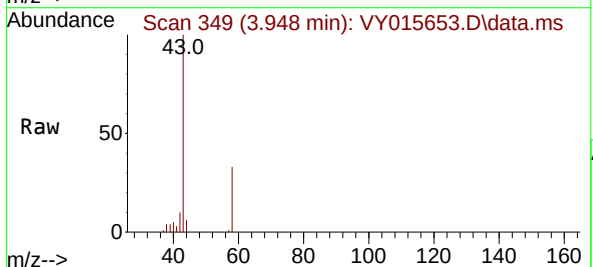
Instrument :
MSVOA_Y
ClientSampleId :
B102-05(7.5-8)

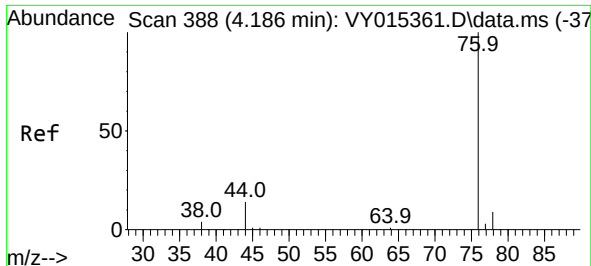
Tgt Ion:168 Resp: 122871
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#16
Acetone
Concen: 20.470 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Tgt Ion: 43 Resp: 14810
Ion Ratio Lower Upper
43 100
58 33.1 22.7 34.1





#17

Carbon Disulfide

Concen: 47.174 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

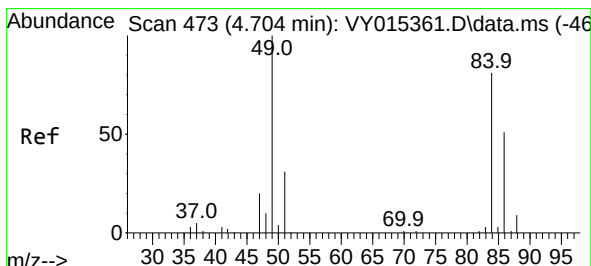
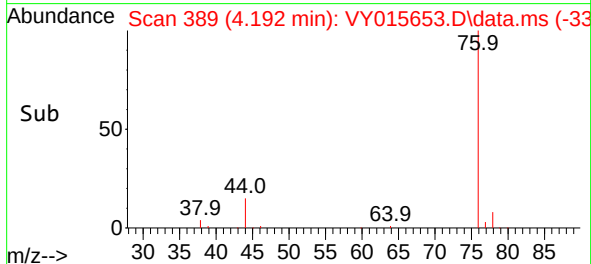
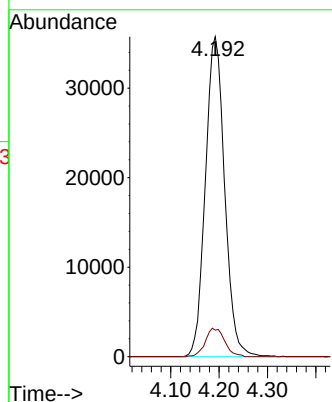
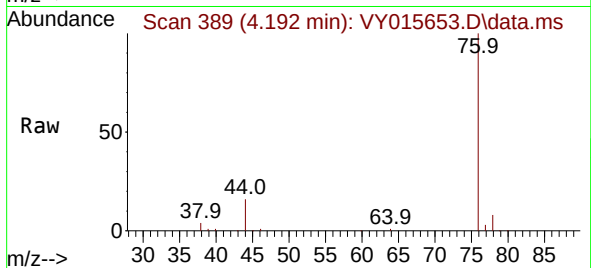
B102-05(7.5-8)

Tgt Ion: 76 Resp: 99065

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#20

Methylene Chloride

Concen: 9.961 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Tgt Ion: 84 Resp: 21924

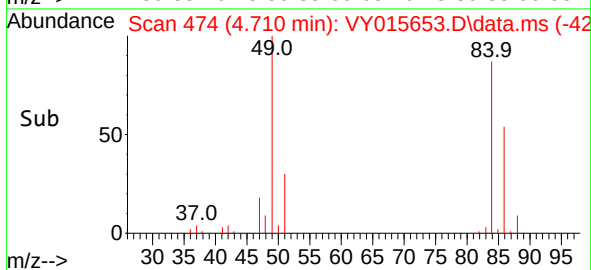
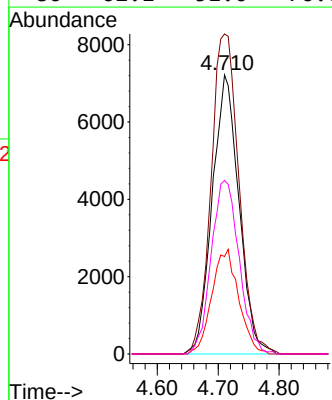
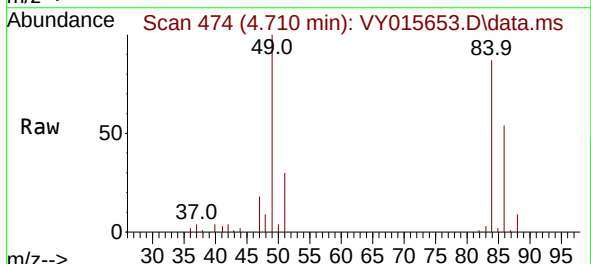
Ion Ratio Lower Upper

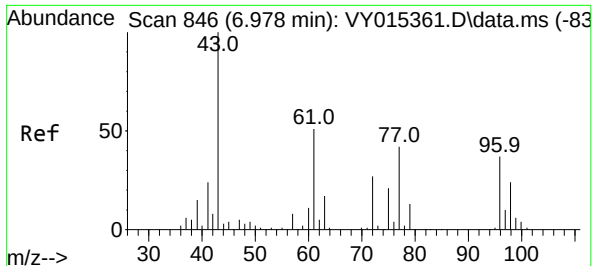
84 100

49 114.7 106.9 160.3

51 34.9 33.2 49.8

86 62.1 51.0 76.6

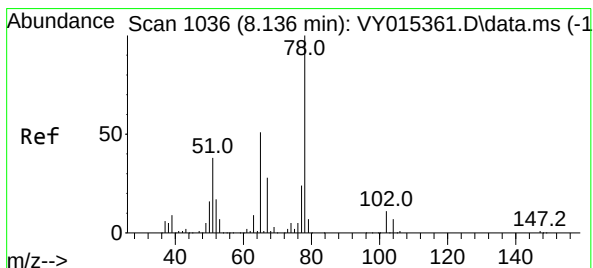
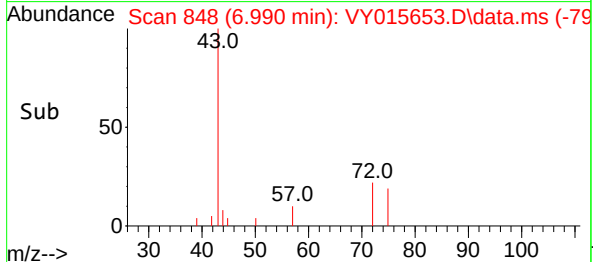
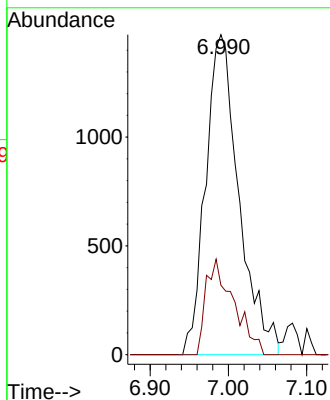
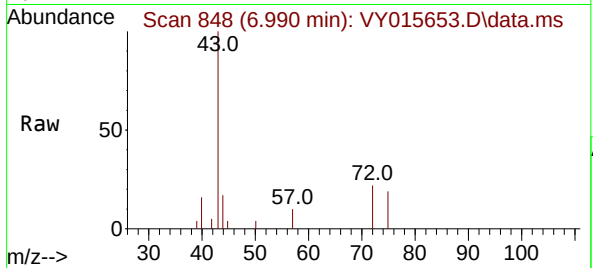




#25
2-Butanone
Concen: 4.256 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

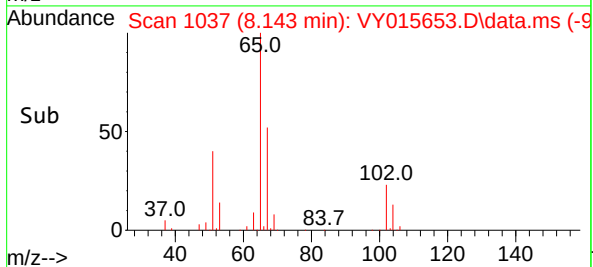
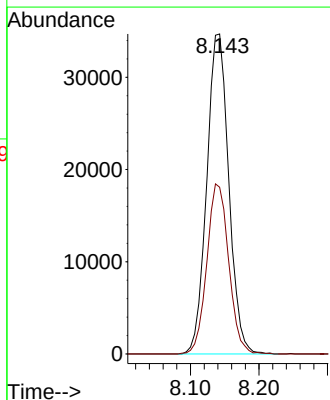
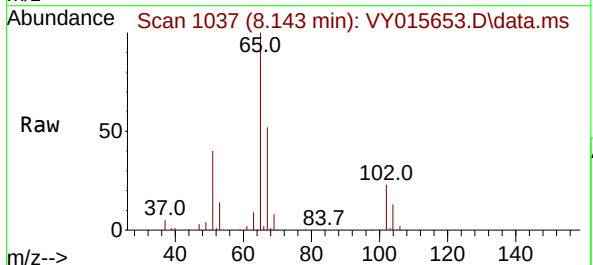
Instrument :
MSVOA_Y
ClientSampleId :
B102-05(7.5-8)

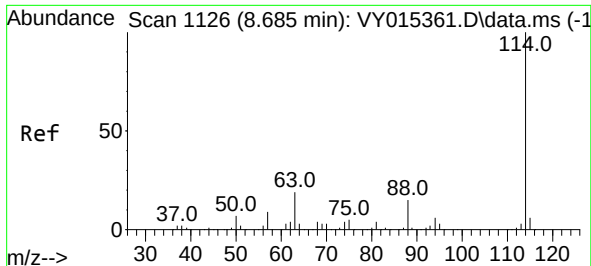
Tgt Ion: 43 Resp: 4352
Ion Ratio Lower Upper
43 100
72 21.7 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 57.287 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Tgt Ion: 65 Resp: 77447
Ion Ratio Lower Upper
65 100
67 52.8 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: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

B102-05(7.5-8)

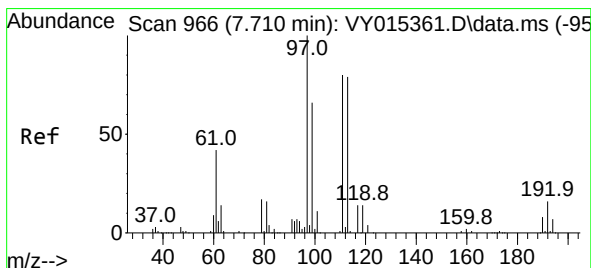
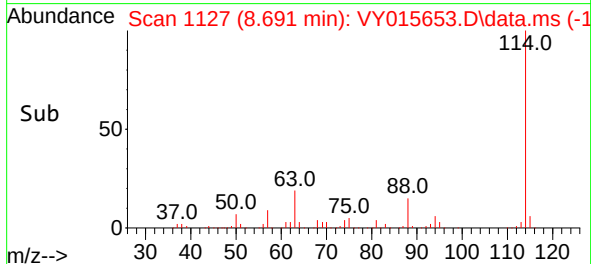
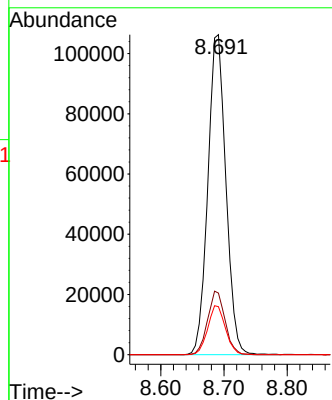
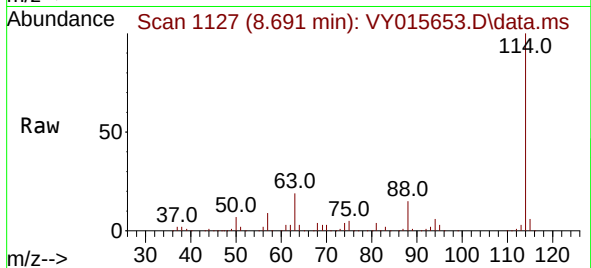
Tgt Ion:114 Resp: 210898

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.816 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

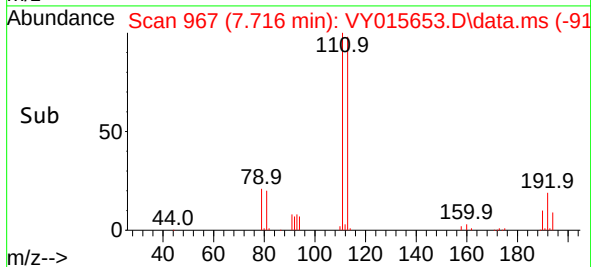
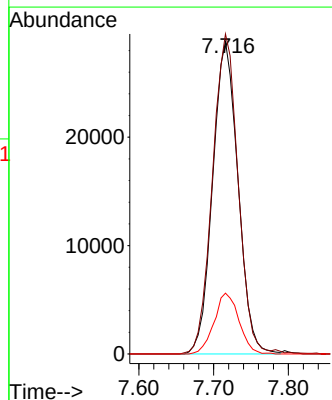
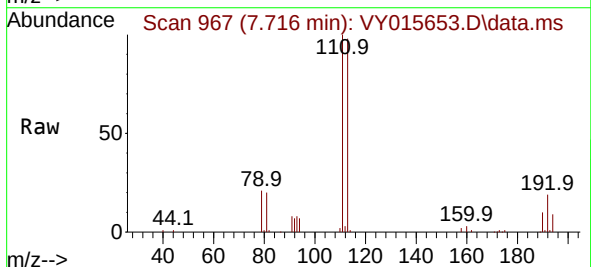
Tgt Ion:113 Resp: 67932

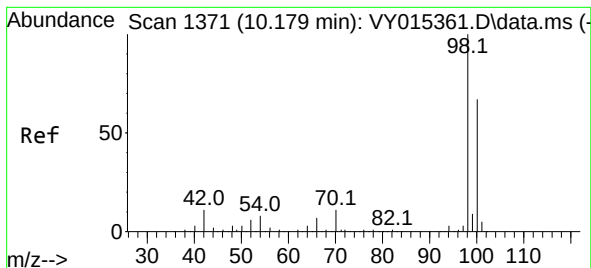
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 19.1 16.9 25.3

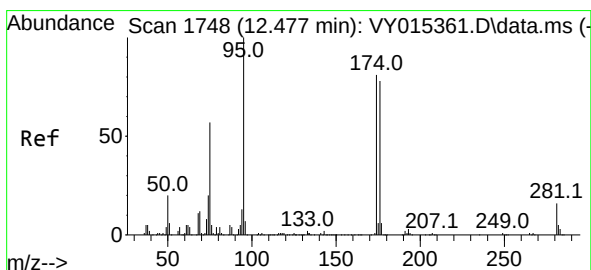
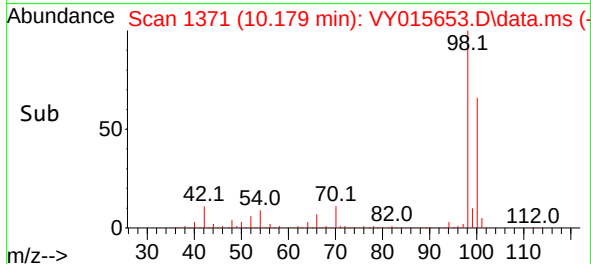
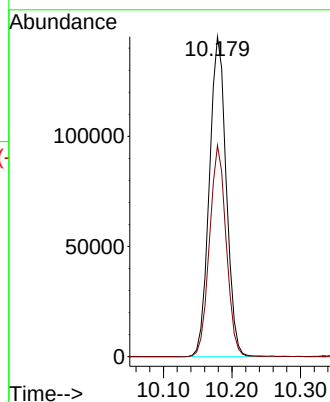
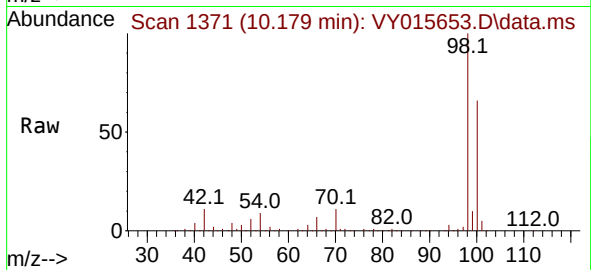




#50
Toluene-d8
Concen: 58.077 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

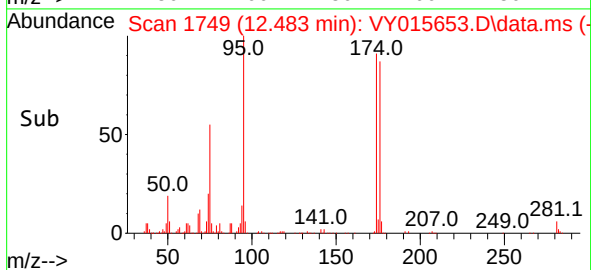
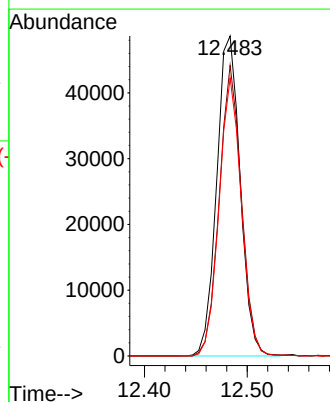
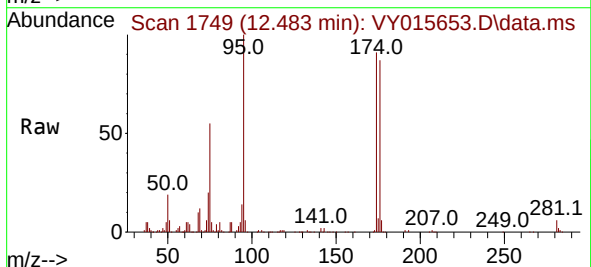
Instrument :
MSVOA_Y
ClientSampleId :
B102-05(7.5-8)

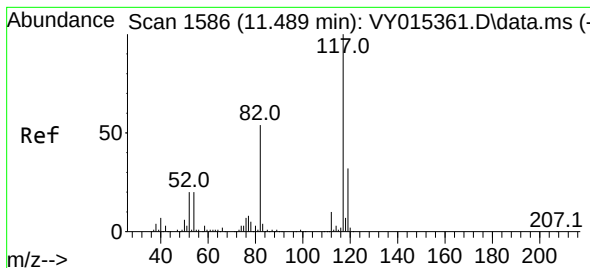
Tgt Ion: 98 Resp: 248571
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.793 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Tgt Ion: 95 Resp: 76915
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

B102-05(7.5-8)

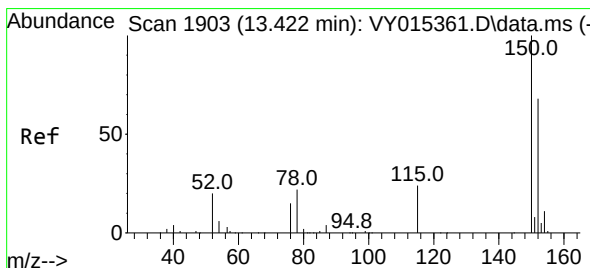
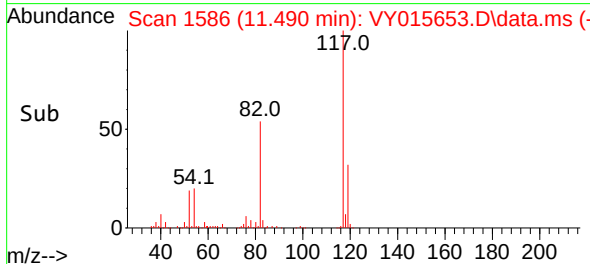
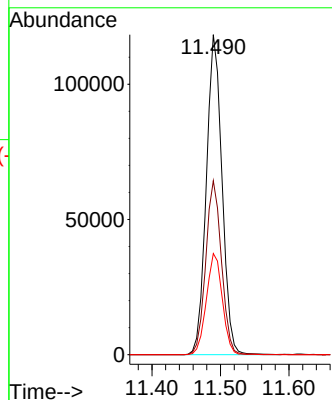
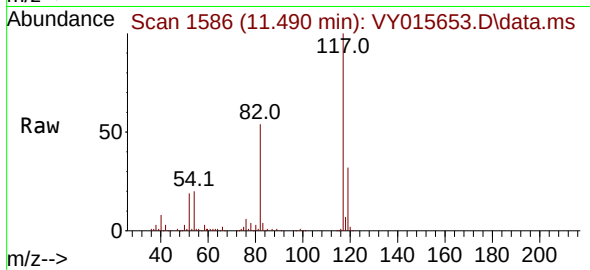
Tgt Ion:117 Resp: 188593

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Tgt Ion:152 Resp: 77934

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.6 0.0 348.8

