

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015633.D
 Acq On : 18 Sep 2023 22:28
 Operator : SY/MD
 Sample : 04453-09
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B102-02(7-7.5)

Quant Time: Sep 19 02:09:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

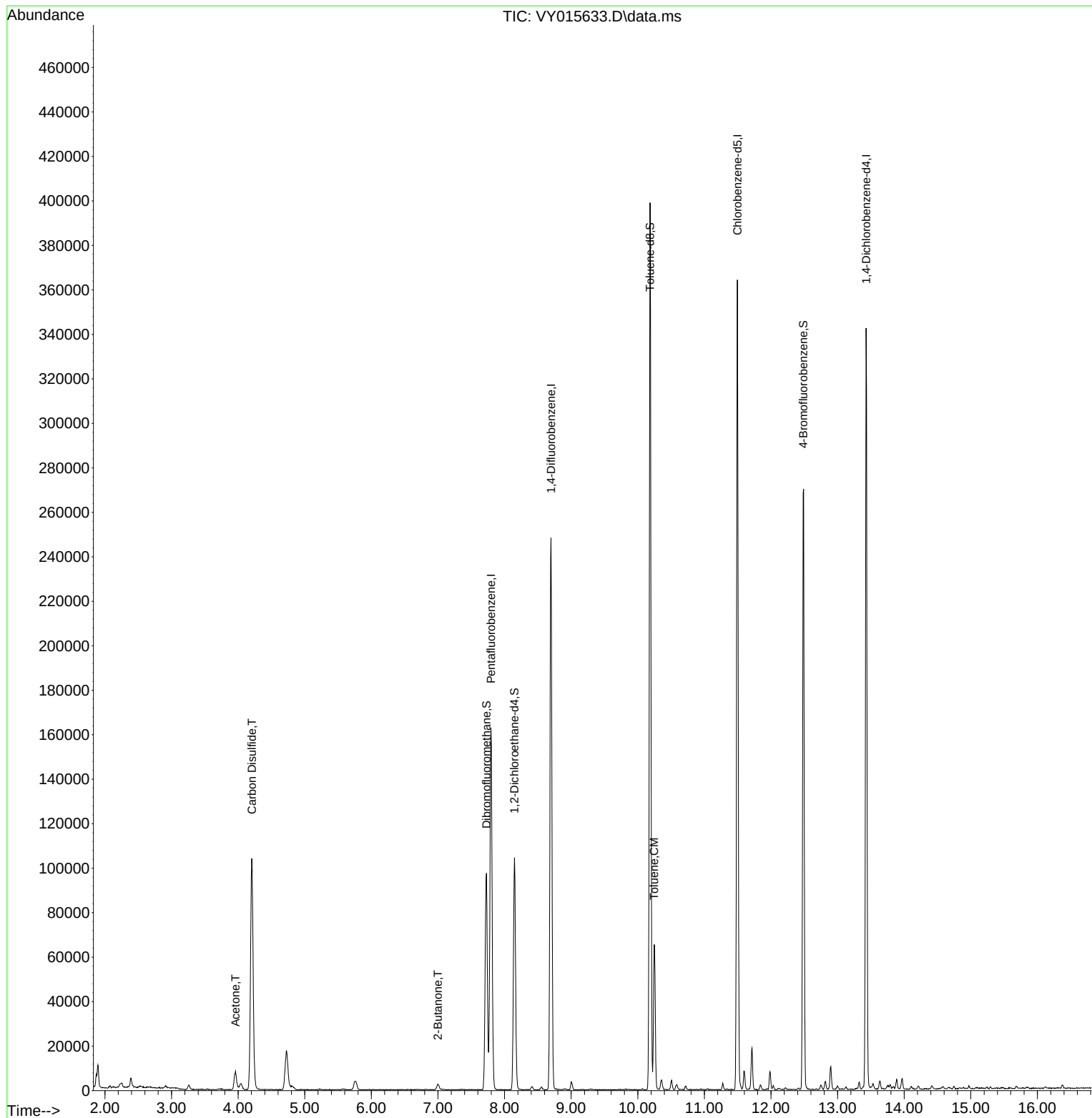
Internal Standards						
1) Pentafluorobenzene	7.795	168	127047	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	215142	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	194297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80898	59.400	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.800%	
35) Dibromofluoromethane	7.728	113	68975	55.662	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.320%	
50) Toluene-d8	10.185	98	254500	56.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.420%	
62) 4-Bromofluorobenzene	12.483	95	83296	50.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	13840	24.346	ug/l	99
17) Carbon Disulfide	4.204	76	212594	56.307	ug/l	100
25) 2-Butanone	6.997	43	4234	5.251	ug/l #	90
52) Toluene	10.246	92	28487	7.322	ug/l	97

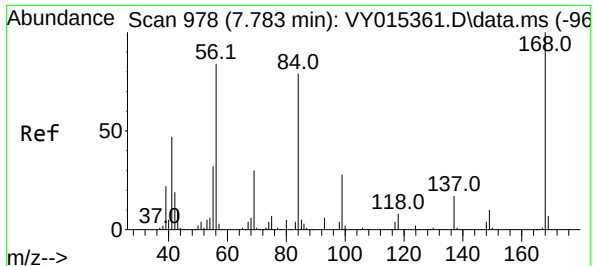
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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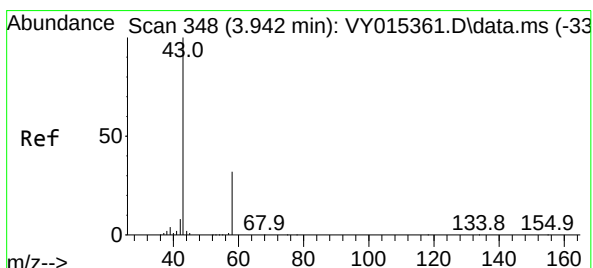
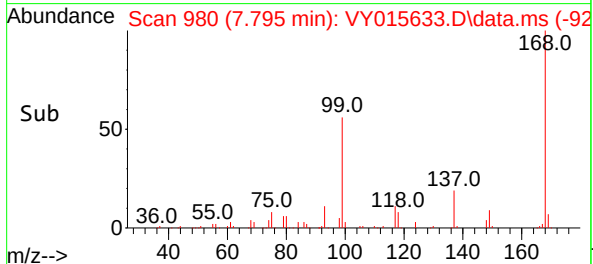
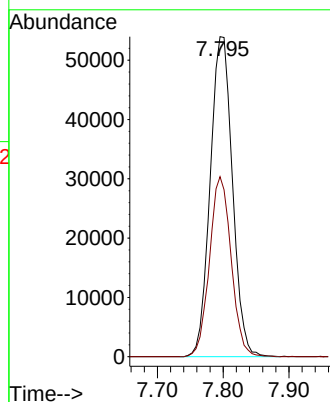
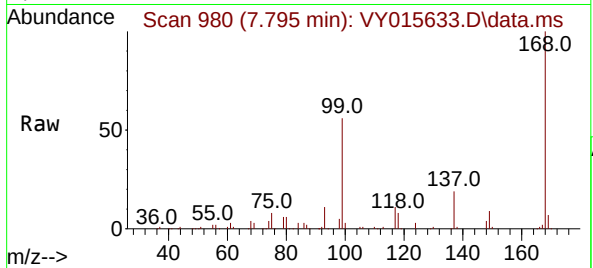




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

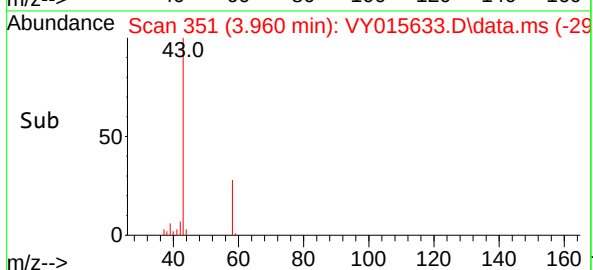
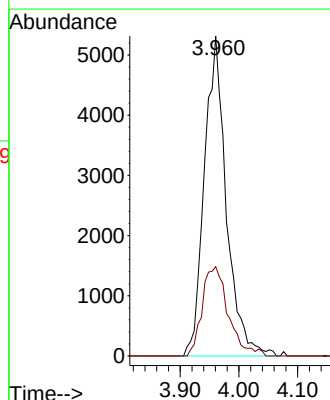
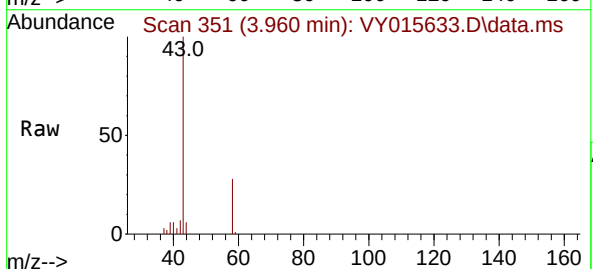
Instrument :
MSVOA_Y
ClientSampleId :
B102-02(7-7.5)

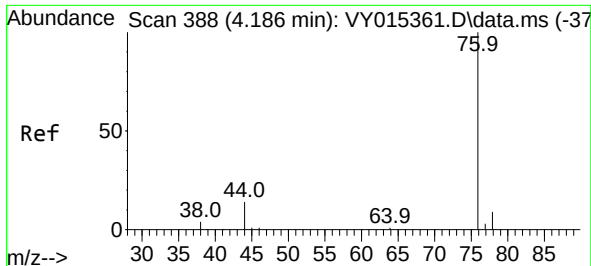
Tgt Ion:168 Resp: 127047
Ion Ratio Lower Upper
168 100
99 56.3 43.4 65.0



#16
Acetone
Concen: 24.346 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Tgt Ion: 43 Resp: 13840
Ion Ratio Lower Upper
43 100
58 27.9 22.7 34.1

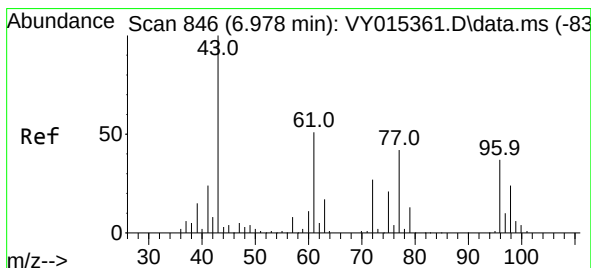
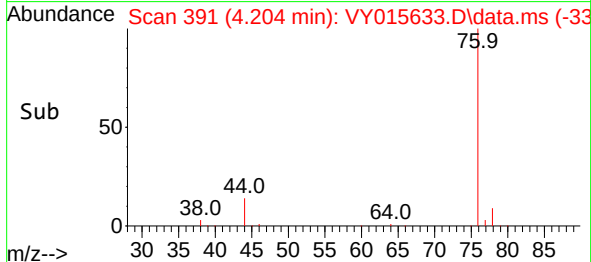
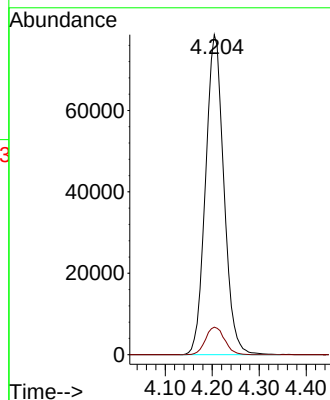
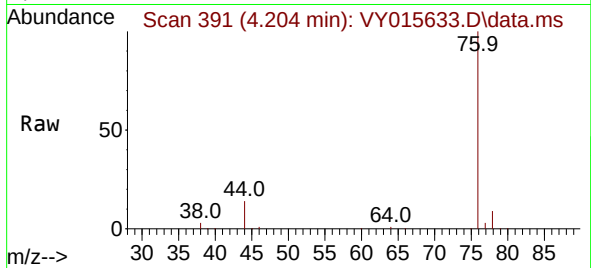




#17
Carbon Disulfide
Concen: 56.307 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

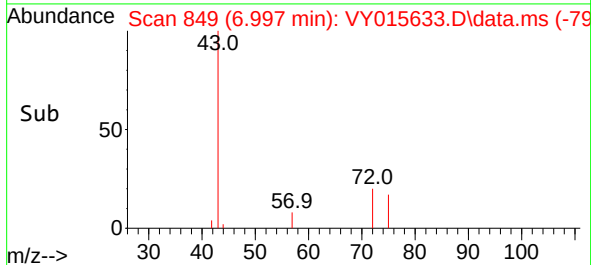
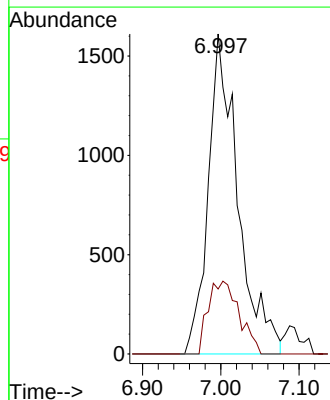
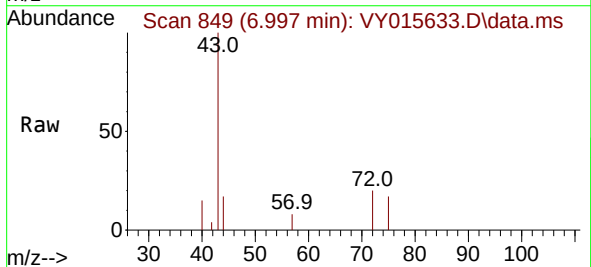
Instrument :
MSVOA_Y
ClientSampleId :
B102-02(7-7.5)

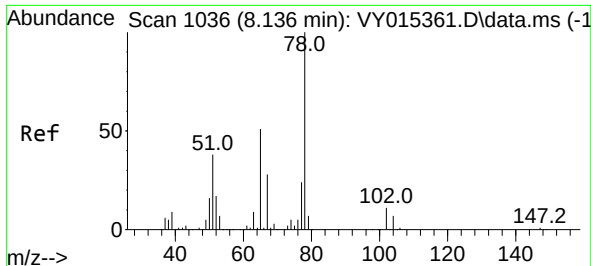
Tgt Ion: 76 Resp: 212594
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#25
2-Butanone
Concen: 5.251 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
72 20.3 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 59.400 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

ClientSampleId :

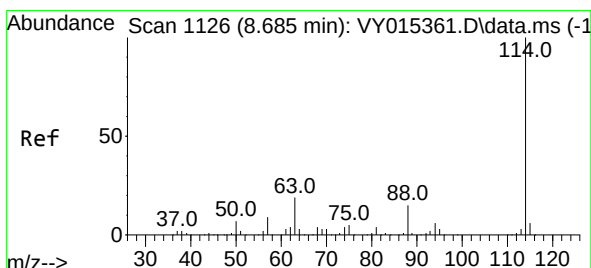
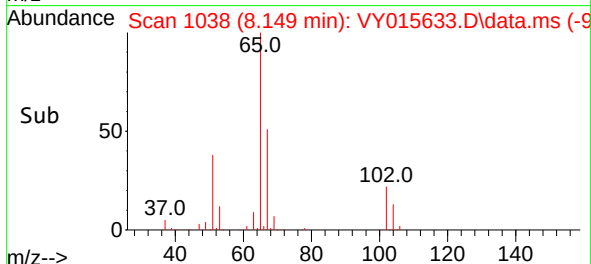
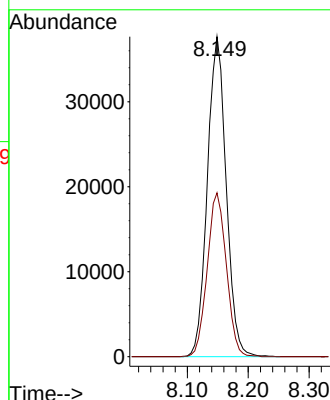
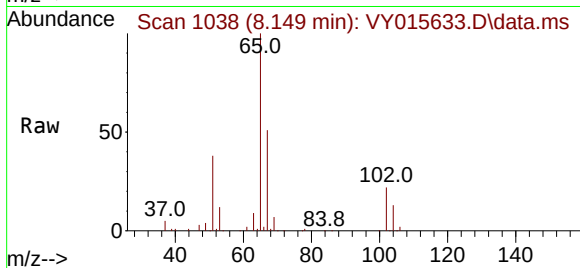
B102-02(7-7.5)

Tgt Ion: 65 Resp: 80898

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

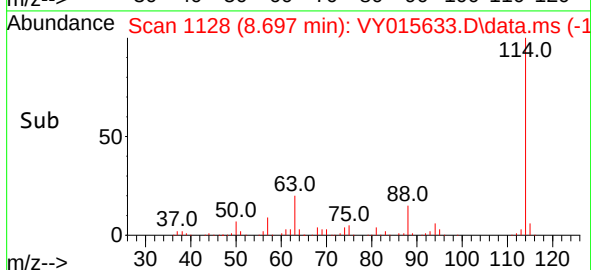
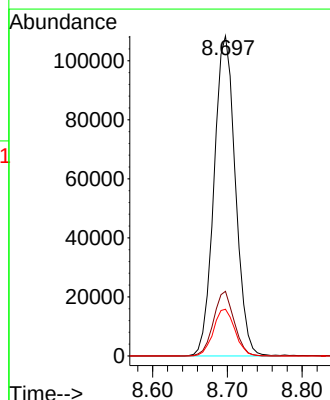
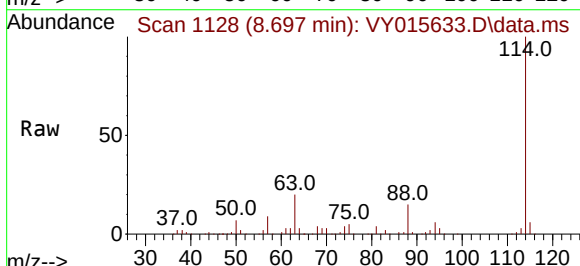
Tgt Ion: 114 Resp: 215142

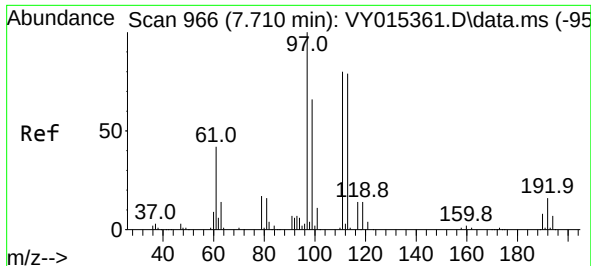
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.6 0.0 30.6

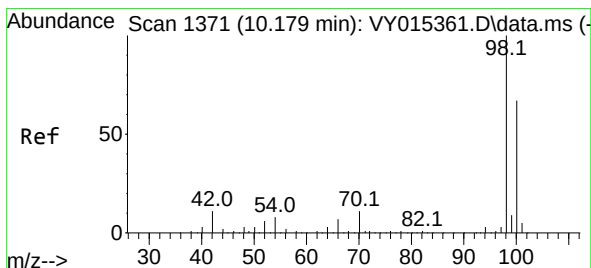
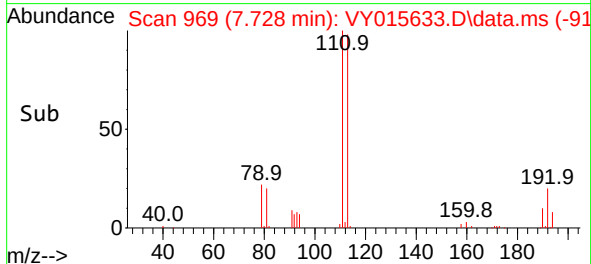
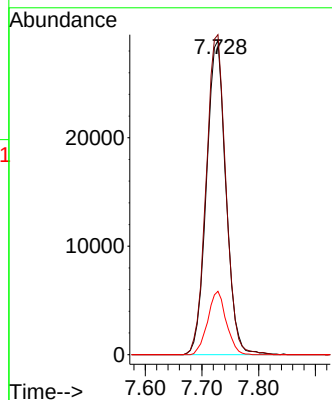
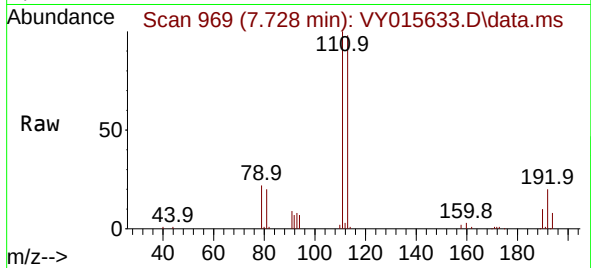




#35
Dibromofluoromethane
Concen: 55.662 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

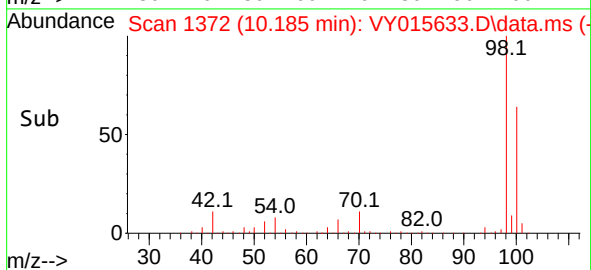
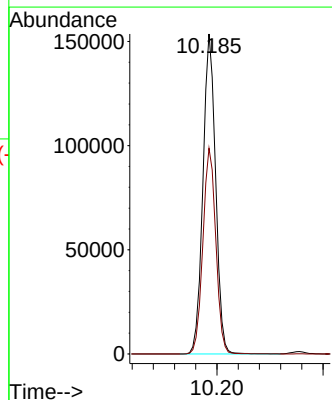
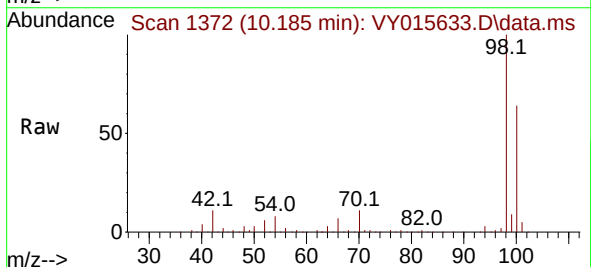
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B102-02(7-7.5)

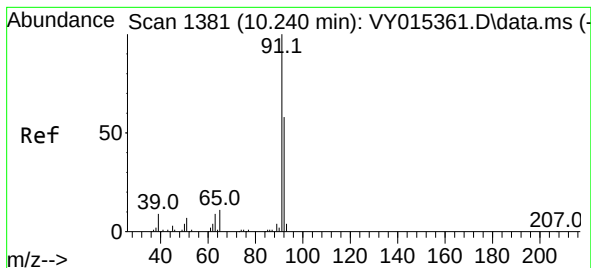
Tgt Ion:113 Resp: 68975
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.3 16.9 25.3



#50
Toluene-d8
Concen: 56.713 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Tgt Ion: 98 Resp: 254500
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1





#52

Toluene

Concen: 7.322 ug/l

RT: 10.246 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

ClientSampleId :

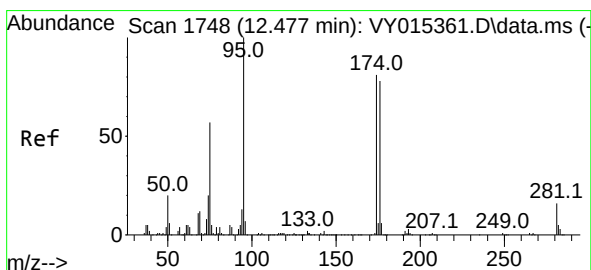
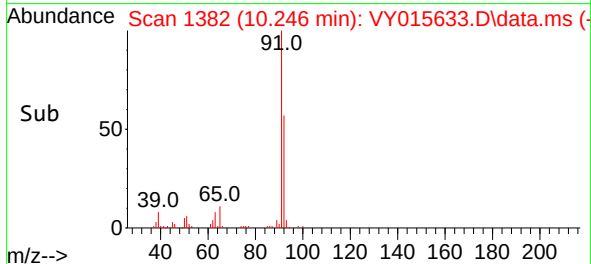
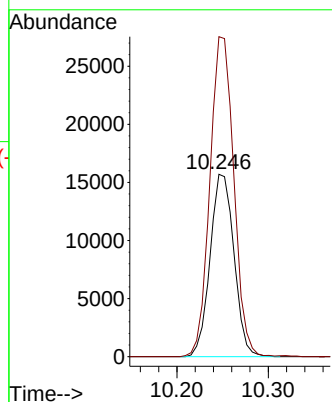
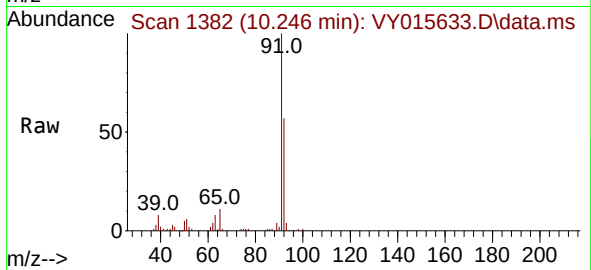
B102-02(7-7.5)

Tgt Ion: 92 Resp: 28487

Ion Ratio Lower Upper

92 100

91 175.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 50.000 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

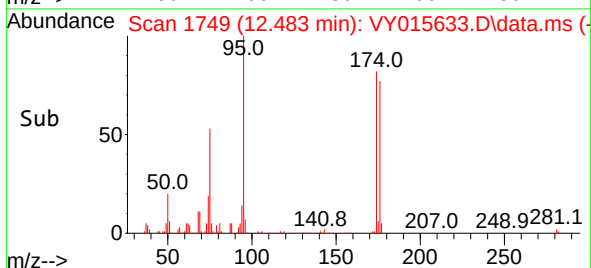
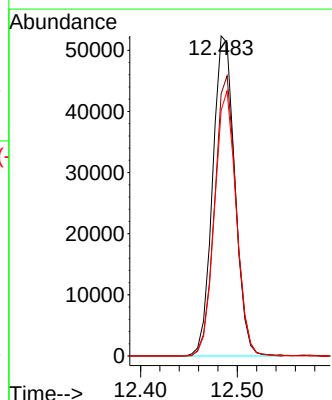
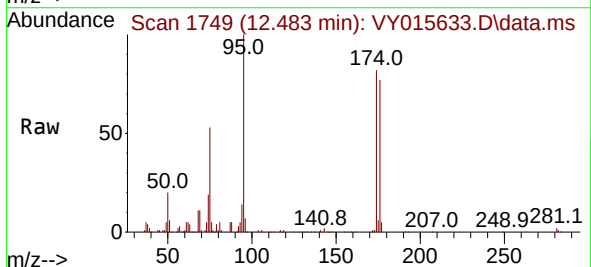
Tgt Ion: 95 Resp: 83296

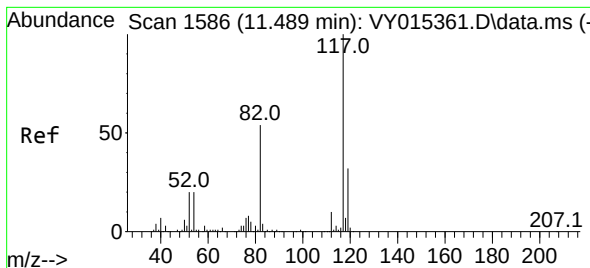
Ion Ratio Lower Upper

95 100

174 84.8 0.0 178.2

176 81.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

ClientSampleId :

B102-02(7-7.5)

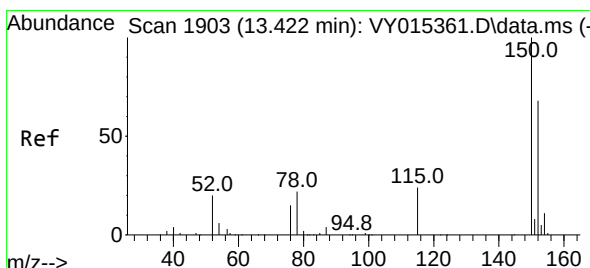
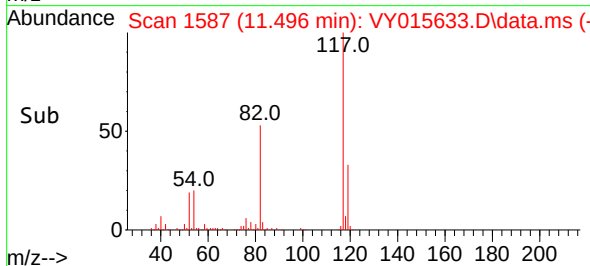
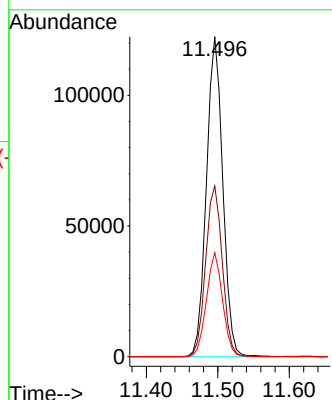
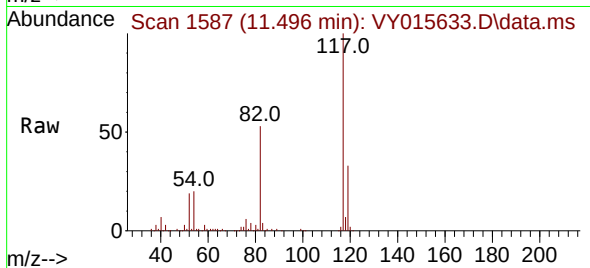
Tgt Ion:117 Resp: 194297

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.5 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: VY015633.D

Acq: 18 Sep 2023 22:28

Tgt Ion:152 Resp: 87394

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 156.0 0.0 348.8

