

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015834.D
 Acq On : 04 Oct 2023 17:48
 Operator : SY/MD
 Sample : 04693-03
 Misc : 3.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-2(10-15)

Quant Time: Oct 05 06:57:19 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)

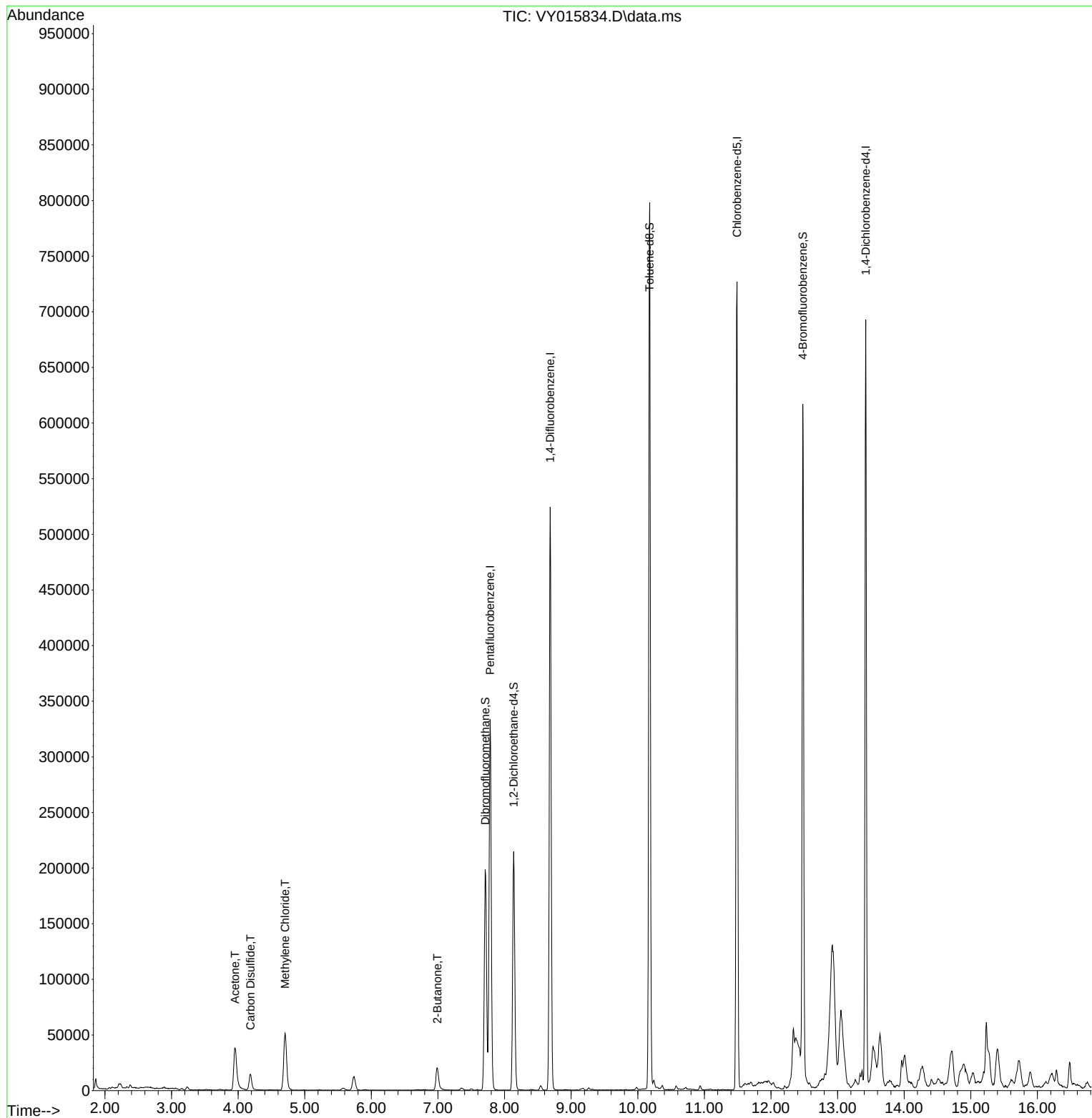
Internal Standards						
1) Pentafluorobenzene	7.783	168	258115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	451140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	404991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	163262	57.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.980%
35) Dibromofluoromethane	7.710	113	141790	52.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.020%
50) Toluene-d8	10.179	98	527890	57.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.320%
62) 4-Bromofluorobenzene	12.477	95	179441	49.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.880%
Target Compounds						
						Qvalue
16) Acetone	3.954	43	82804	54.482	ug/l	93
17) Carbon Disulfide	4.186	76	29647	6.721	ug/l #	92
20) Methylene Chloride	4.704	84	39408	7.750	ug/l #	88
25) 2-Butanone	6.990	43	36485	16.984	ug/l	98

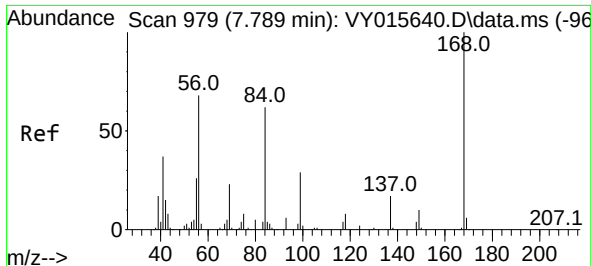
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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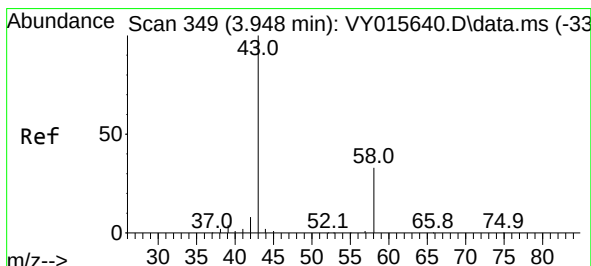
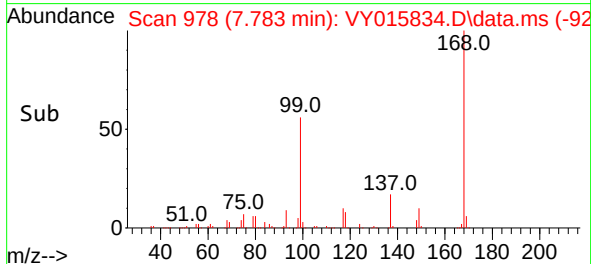
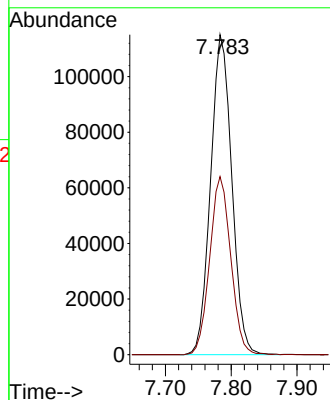
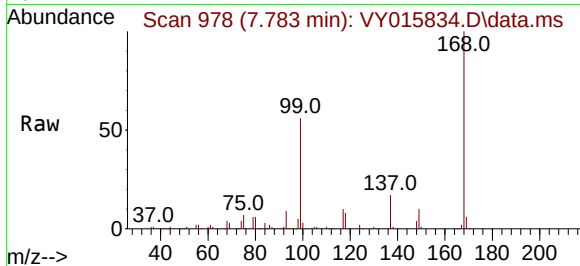




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

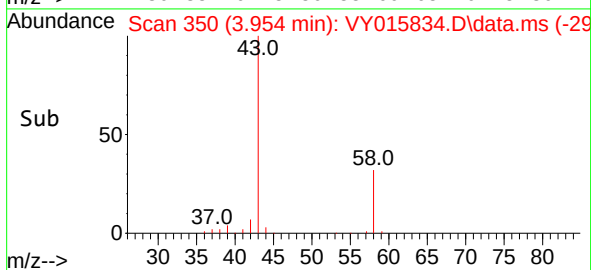
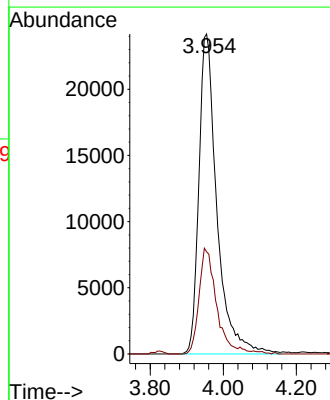
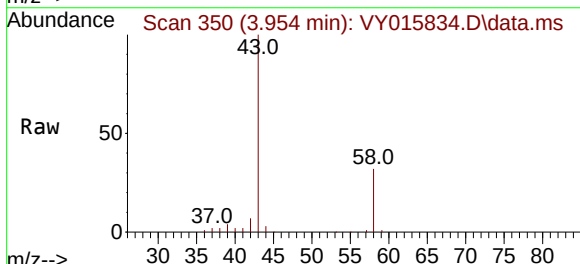
Instrument :
MSVOA_Y
ClientSampleId :
S-2(10-15)

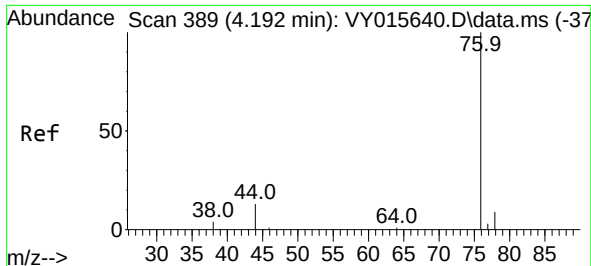
Tgt Ion:168 Resp: 258115
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#16
Acetone
Concen: 54.482 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion: 43 Resp: 82804
Ion Ratio Lower Upper
43 100
58 31.9 22.7 34.1





#17

Carbon Disulfide

Concen: 6.721 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

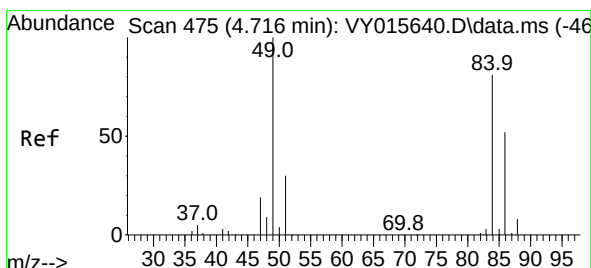
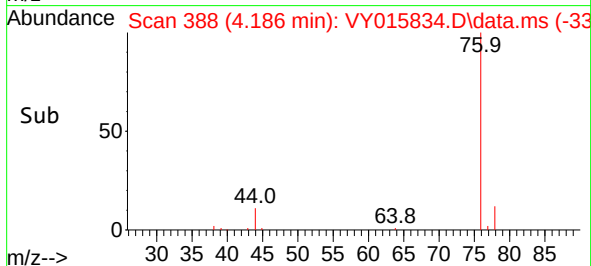
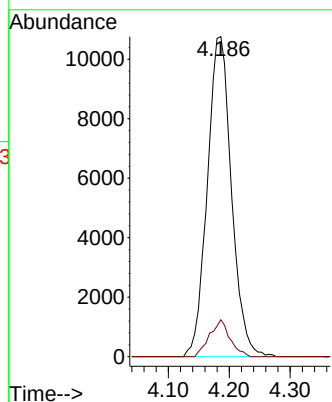
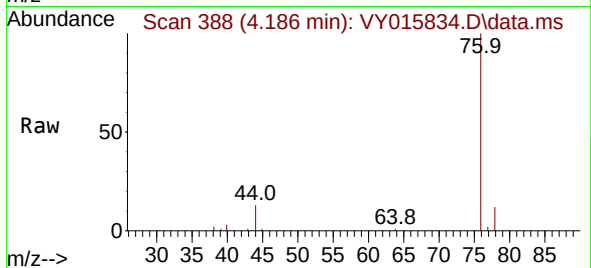
S-2(10-15)

Tgt Ion: 76 Resp: 29647

Ion Ratio Lower Upper

76 100

78 11.6 7.0 10.4#



#20

Methylene Chloride

Concen: 7.750 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Tgt Ion: 84 Resp: 39408

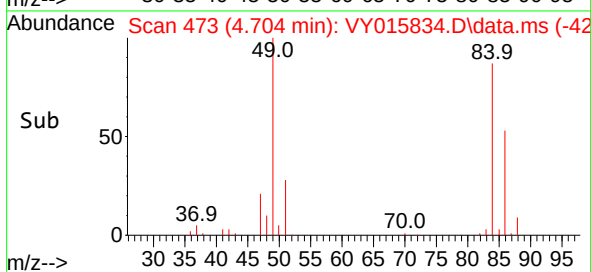
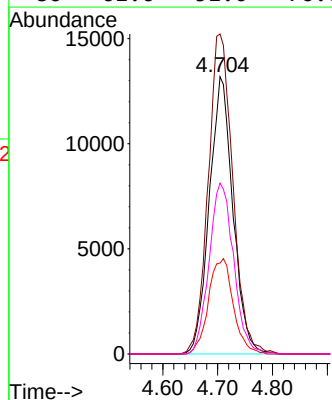
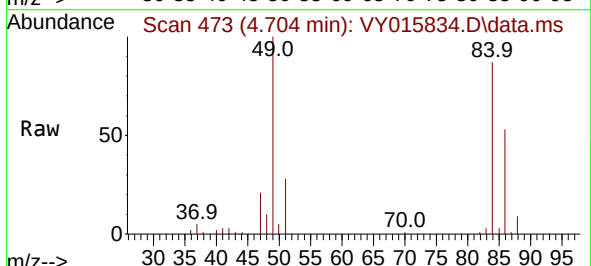
Ion Ratio Lower Upper

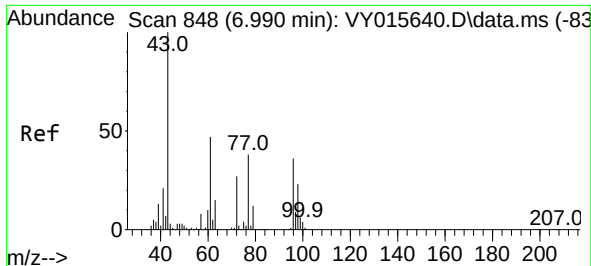
84 100

49 115.4 106.9 160.3

51 32.8 33.2 49.8#

86 61.6 51.0 76.6

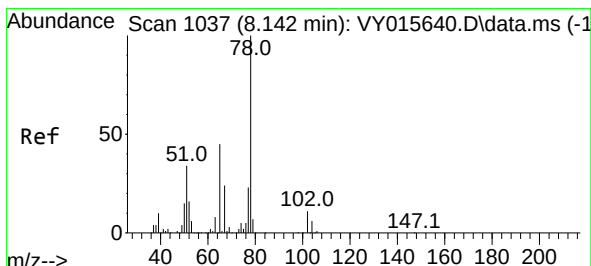
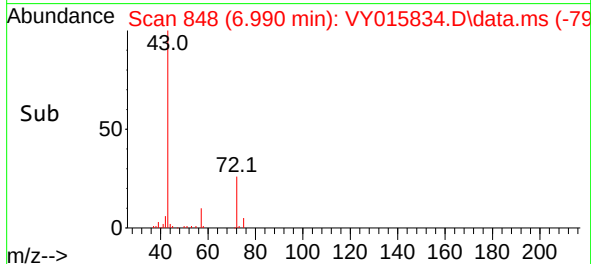
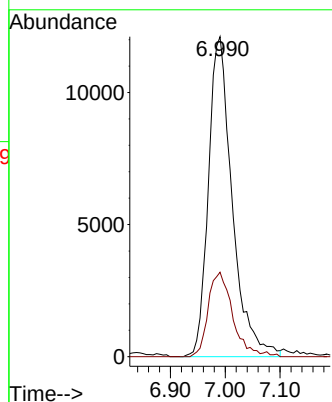
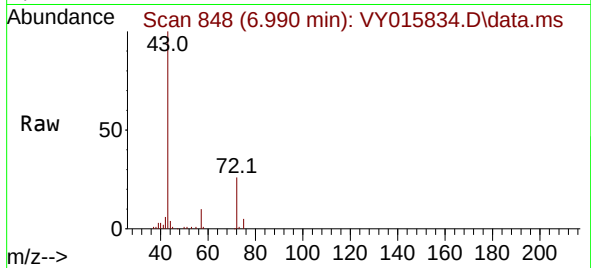




#25
2-Butanone
Concen: 16.984 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

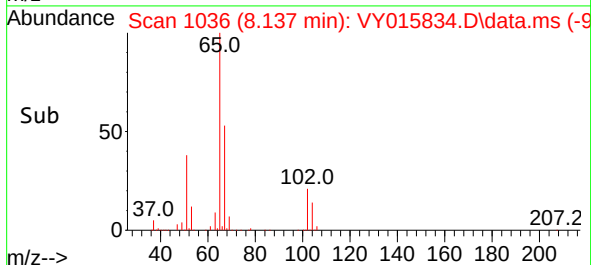
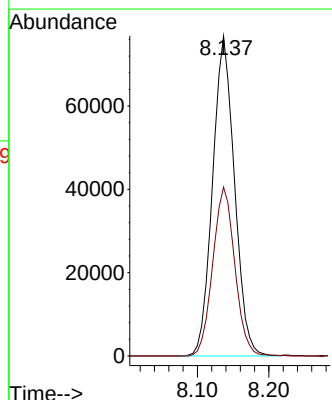
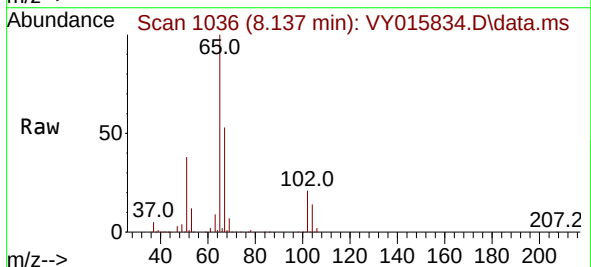
Instrument :
MSVOA_Y
ClientSampleId :
S-2(10-15)

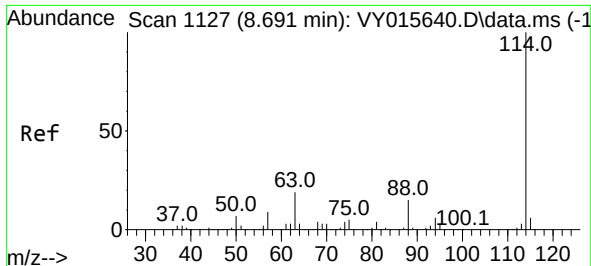
Tgt Ion: 43 Resp: 36485
Ion Ratio Lower Upper
43 100
72 26.4 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 57.487 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion: 65 Resp: 163262
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

S-2(10-15)

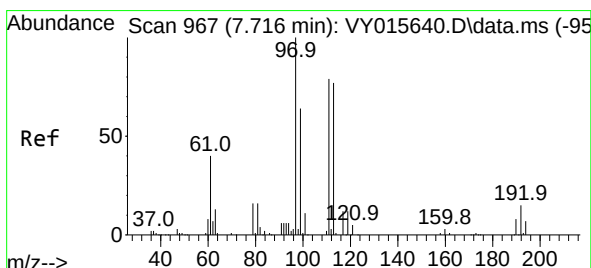
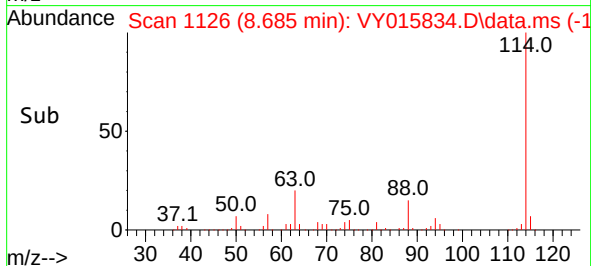
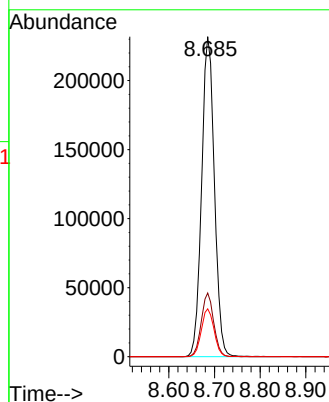
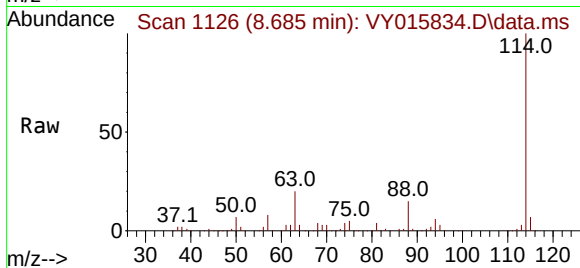
Tgt Ion:114 Resp: 451140

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.510 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

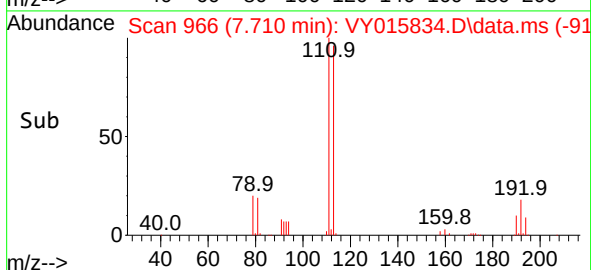
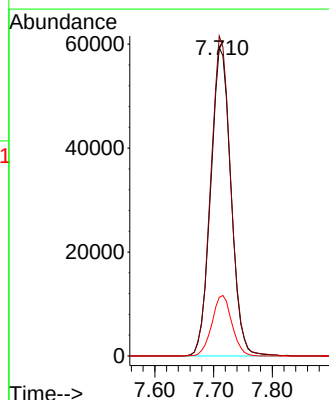
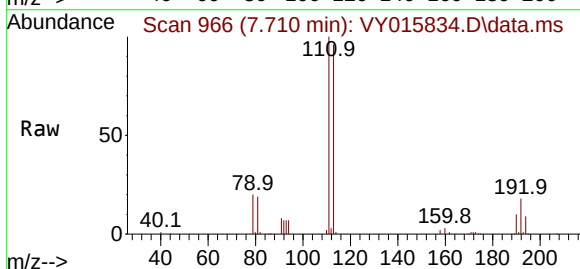
Tgt Ion:113 Resp: 141790

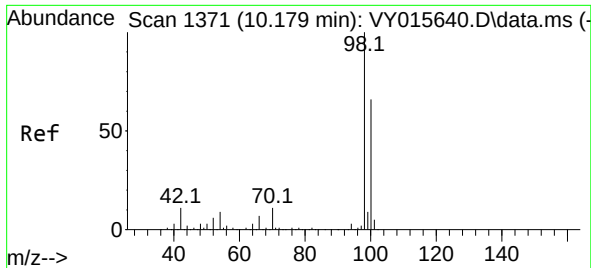
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 19.4 16.9 25.3

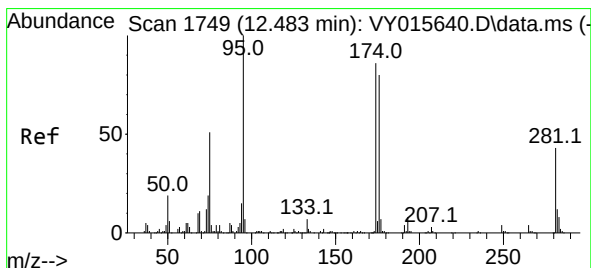
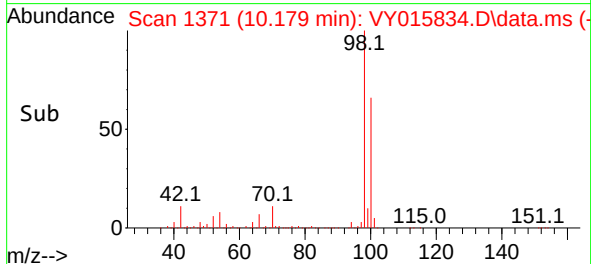
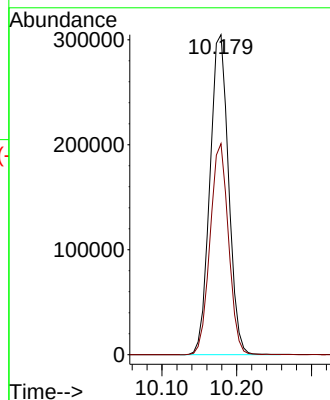
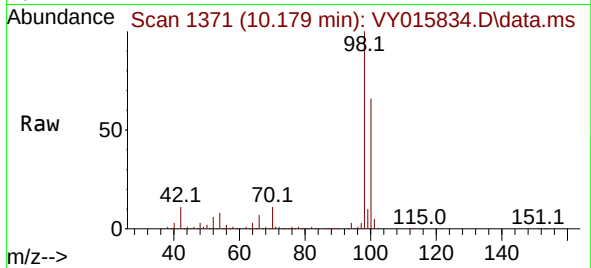




#50
Toluene-d8
Concen: 57.658 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

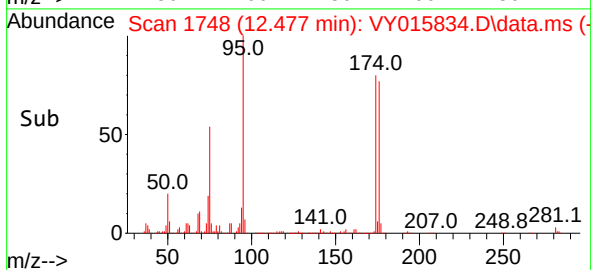
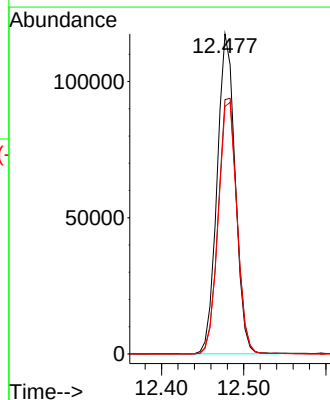
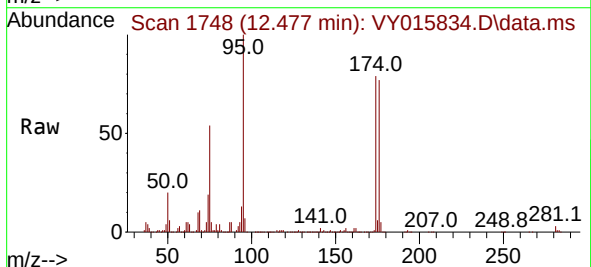
Instrument :
MSVOA_Y
ClientSampleId :
S-2(10-15)

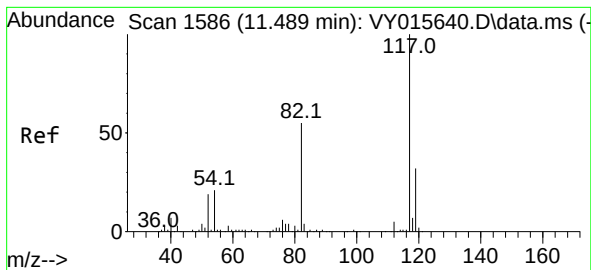
Tgt Ion: 98 Resp: 527890
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.943 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015834.D
Acq: 04 Oct 2023 17:48

Tgt Ion: 95 Resp: 179441
Ion Ratio Lower Upper
95 100
174 83.2 0.0 178.2
176 81.3 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: VY015834.D

Acq: 04 Oct 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

S-2(10-15)

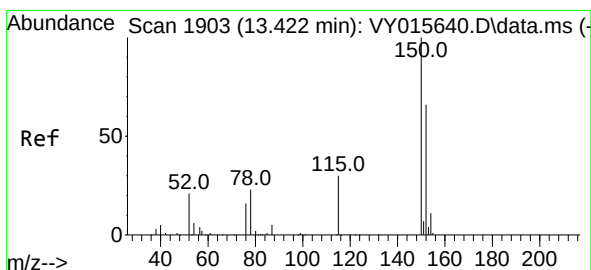
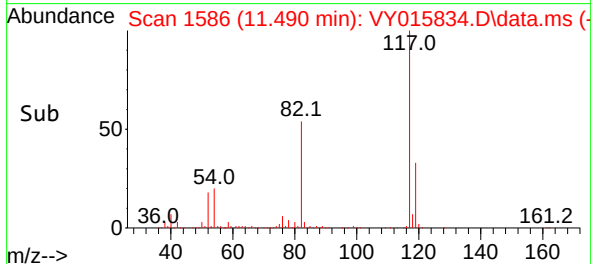
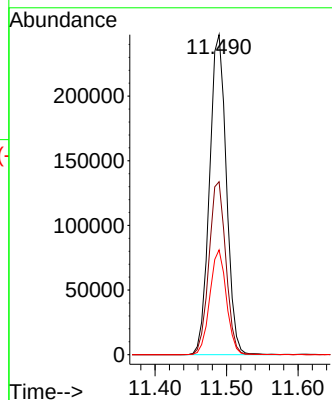
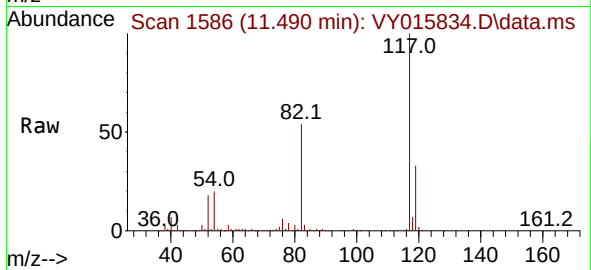
Tgt Ion:117 Resp: 404991

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015834.D

Acq: 04 Oct 2023 17:48

Tgt Ion:152 Resp: 174077

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.6 0.0 348.8

