

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015992.D
 Acq On : 16 Oct 2023 18:14
 Operator : SY/MD
 Sample : 04890-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 362

Quant Time: Oct 17 05:46:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

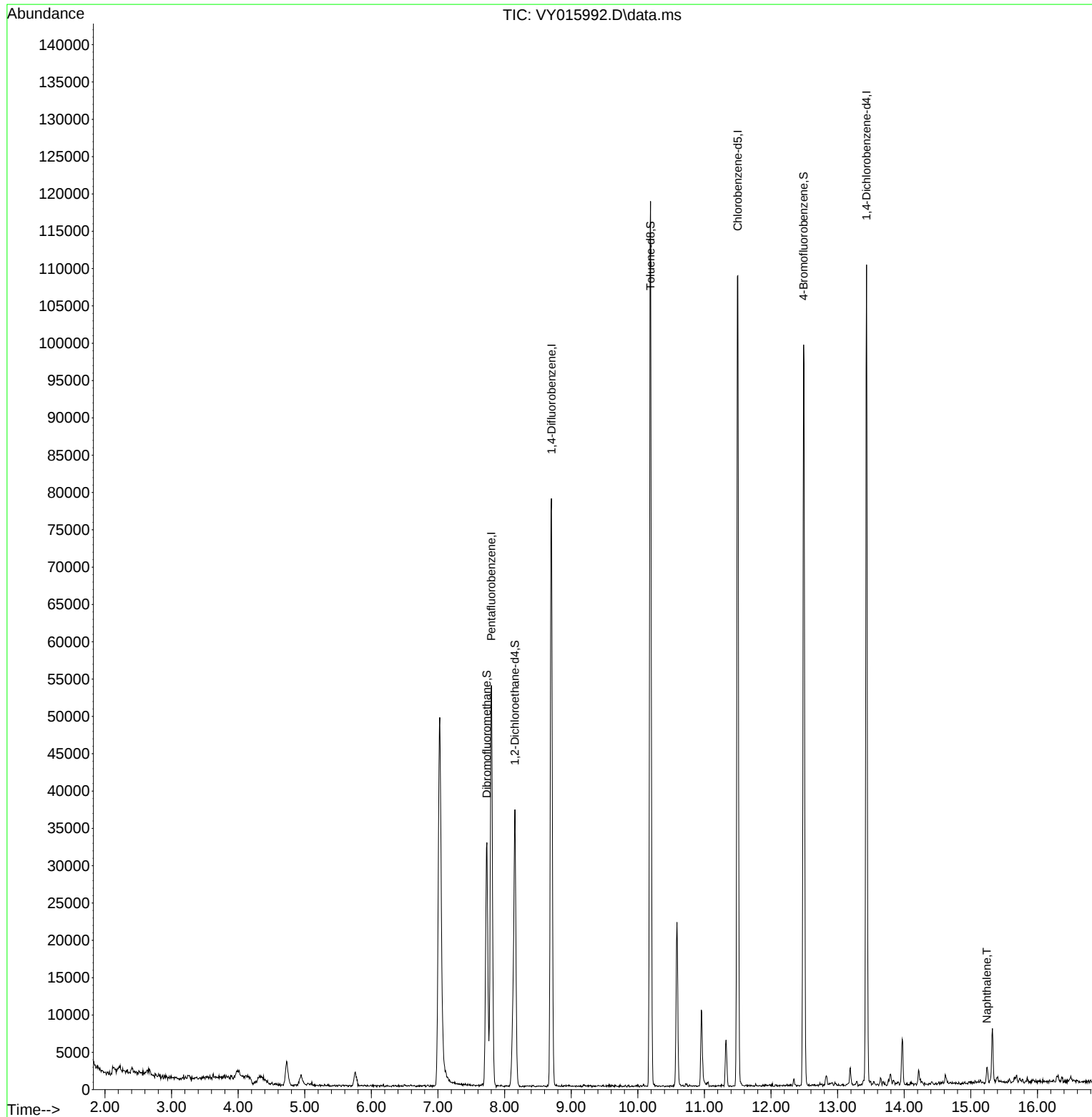
Internal Standards						
1) Pentafluorobenzene	7.801	168	43003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	69605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	62302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	28753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	26269	53.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.040%	
35) Dibromofluoromethane	7.734	113	23494	53.615	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.220%	
50) Toluene-d8	10.191	98	79849	48.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.489	95	25288	43.276	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.560%	
Target Compounds						
95) Naphthalene	15.239	128	2232	1.137	ug/l	Qvalue 97

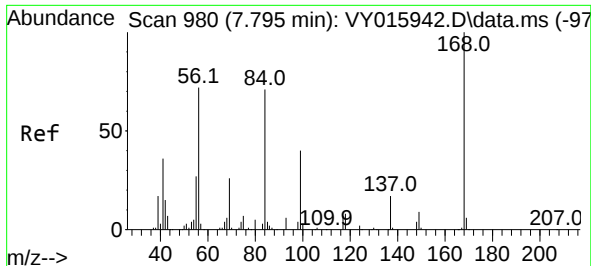
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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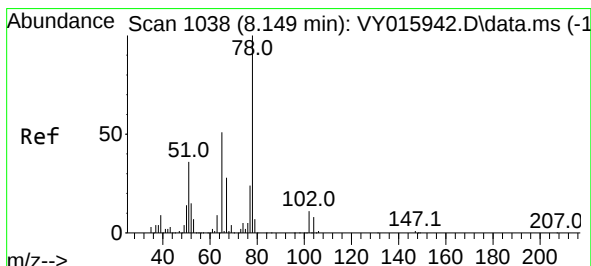
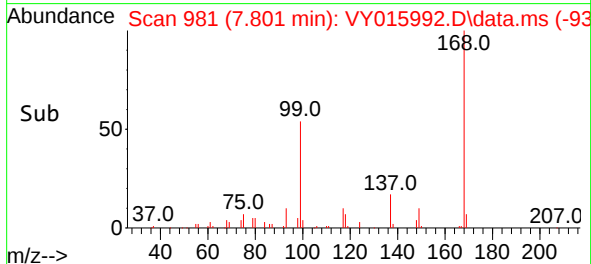
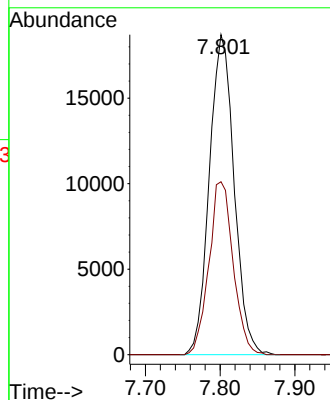
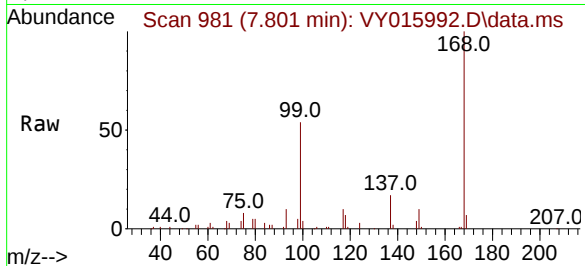




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

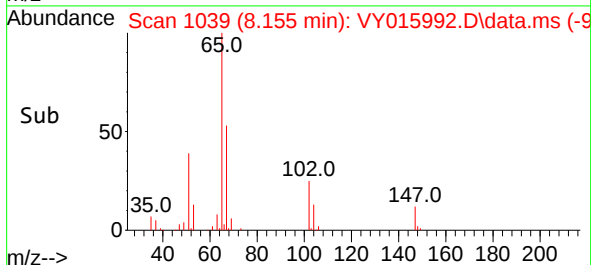
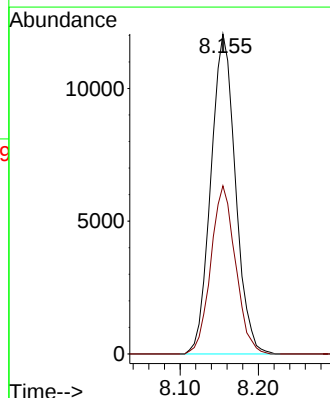
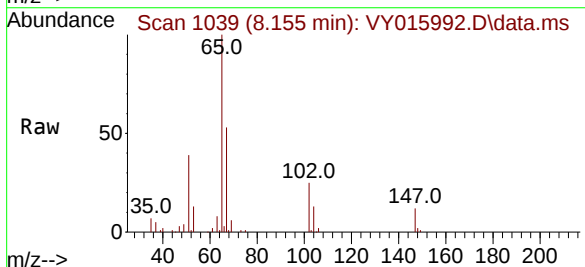
Instrument :
MSVOA_Y
ClientSampleId :
362

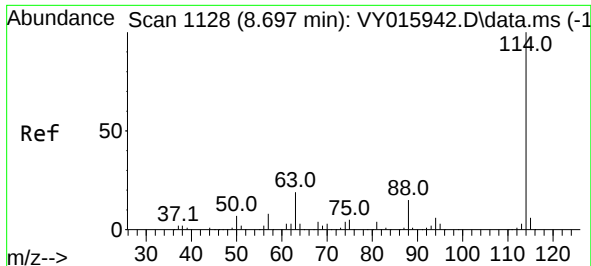
Tgt Ion:168 Resp: 43003
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 53.525 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 65 Resp: 26269
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :

362

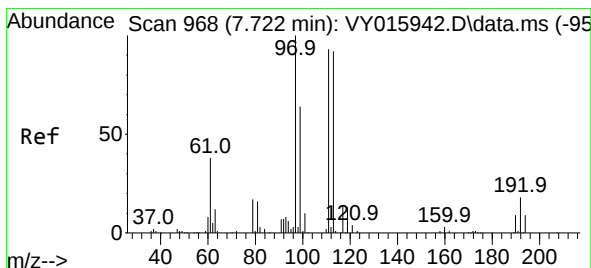
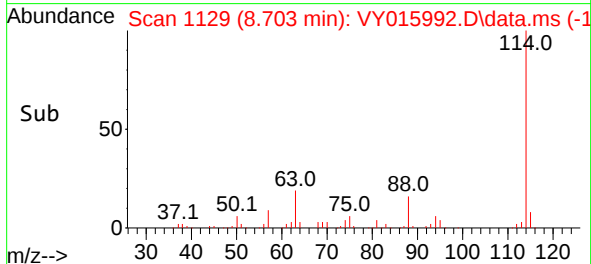
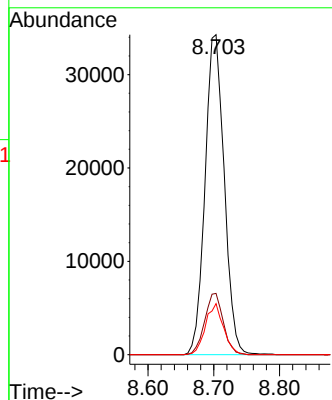
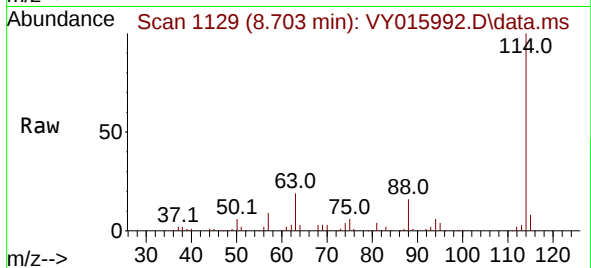
Tgt Ion:114 Resp: 69605

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.615 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.012 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

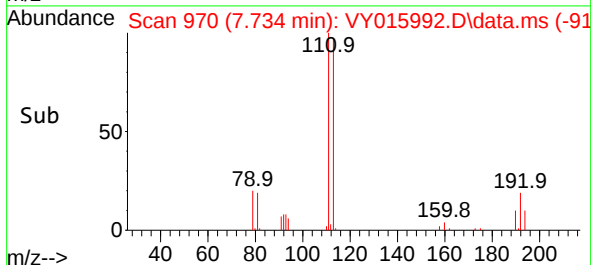
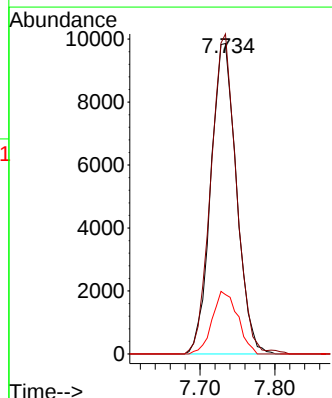
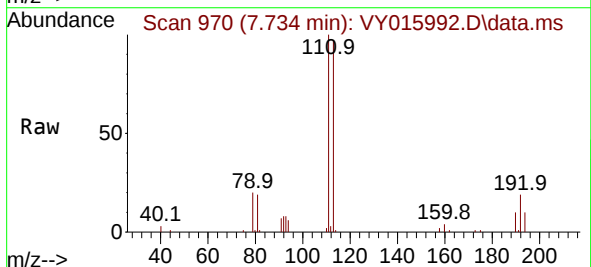
Tgt Ion:113 Resp: 23494

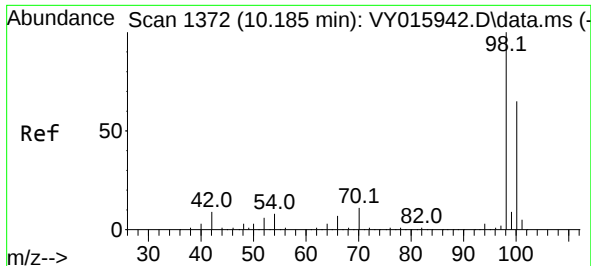
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 20.0 16.9 25.3

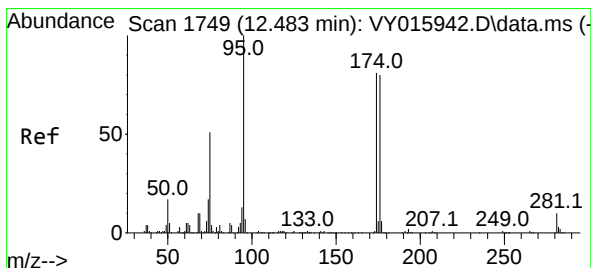
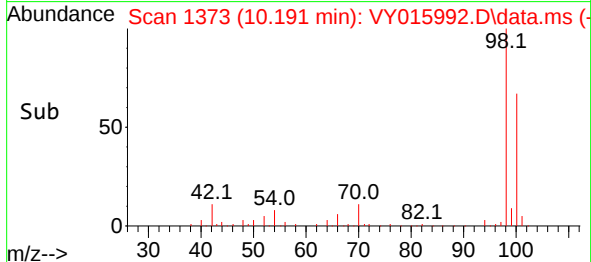
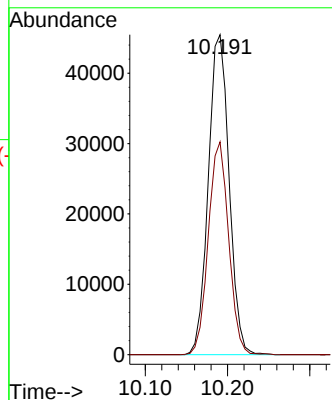
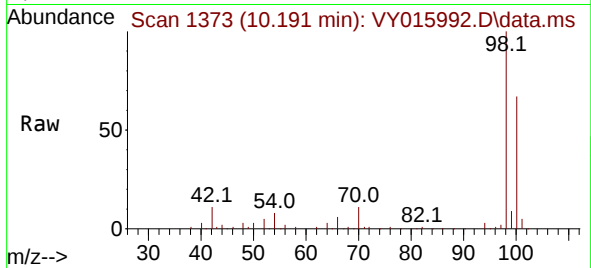




#50
Toluene-d8
Concen: 48.658 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

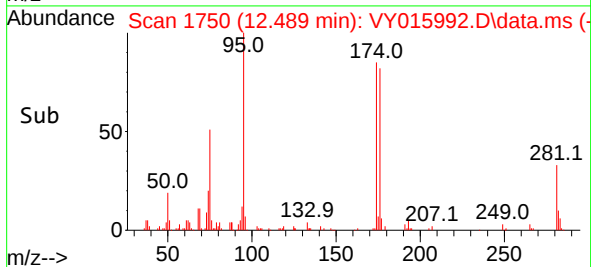
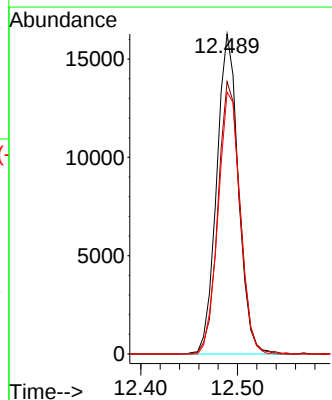
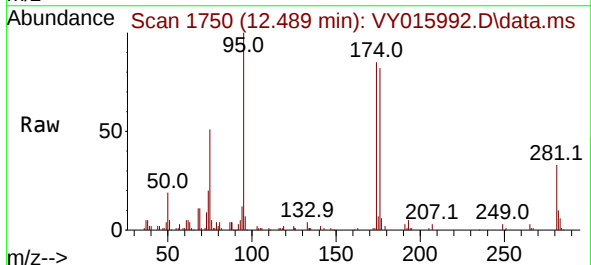
Instrument :
MSVOA_Y
ClientSampleId :
362

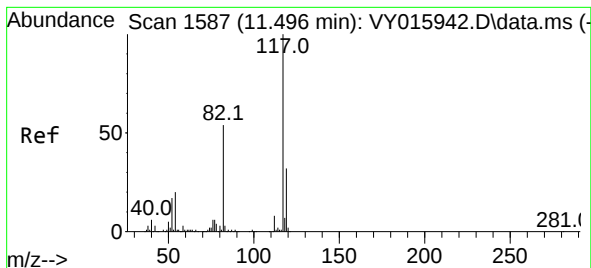
Tgt Ion: 98 Resp: 79849
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.276 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015992.D
Acq: 16 Oct 2023 18:14

Tgt Ion: 95 Resp: 25288
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :

362

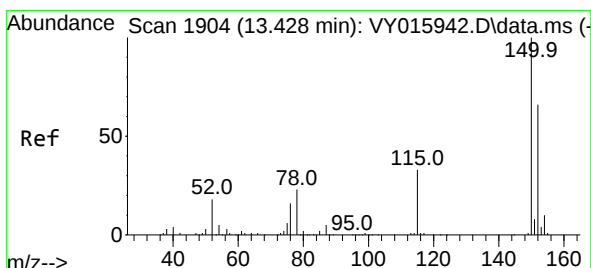
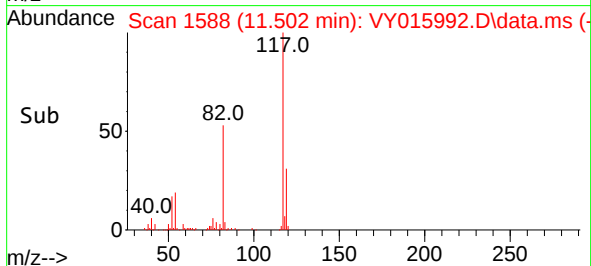
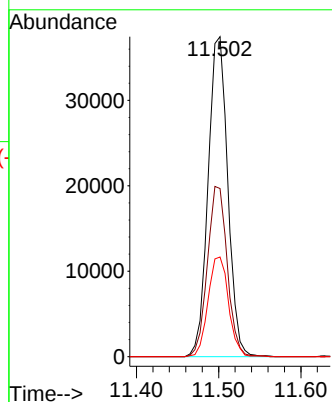
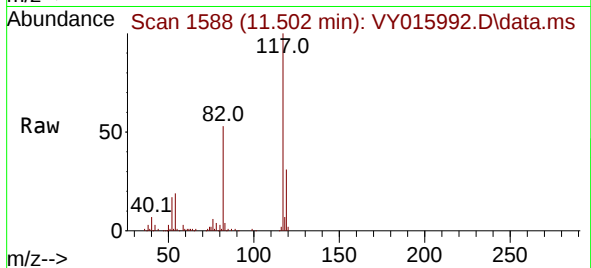
Tgt Ion:117 Resp: 62302

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015992.D

Acq: 16 Oct 2023 18:14

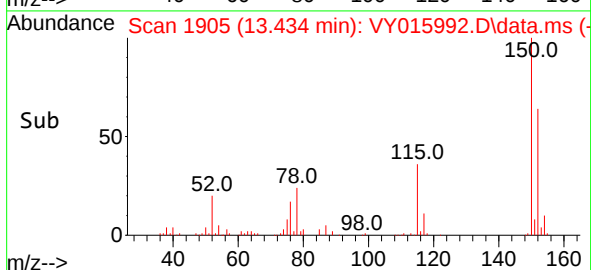
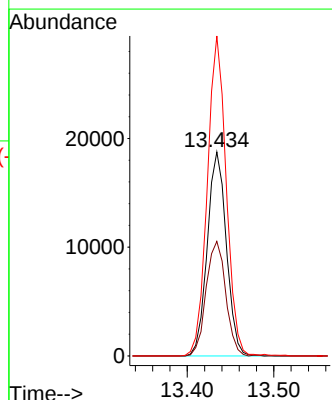
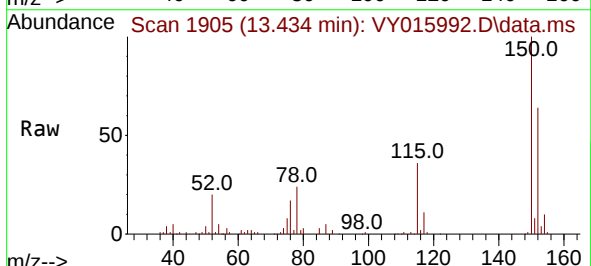
Tgt Ion:152 Resp: 28753

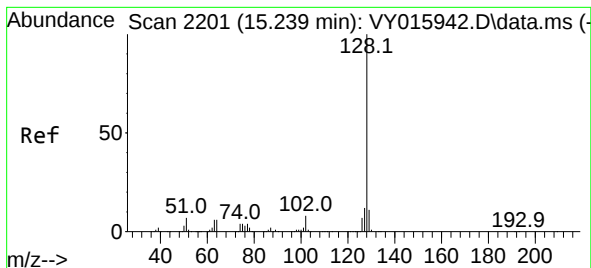
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.1 0.0 348.8





#95

Naphthalene

Concen: 1.137 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY015992.D

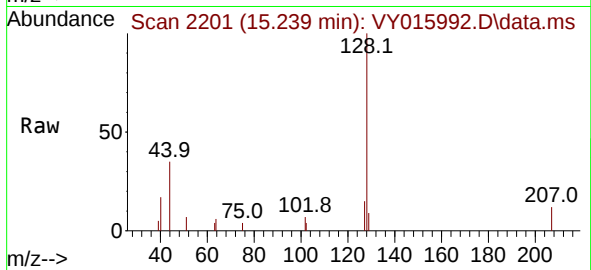
Acq: 16 Oct 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :

362



Tgt Ion:128 Resp: 2232

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 9.5 8.6 13.0

