

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021888.D
 Acq On : 15 Apr 2025 12:05
 Operator : SY/MD
 Sample : Q1785-03
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-041125

Quant Time: Apr 16 03:01:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

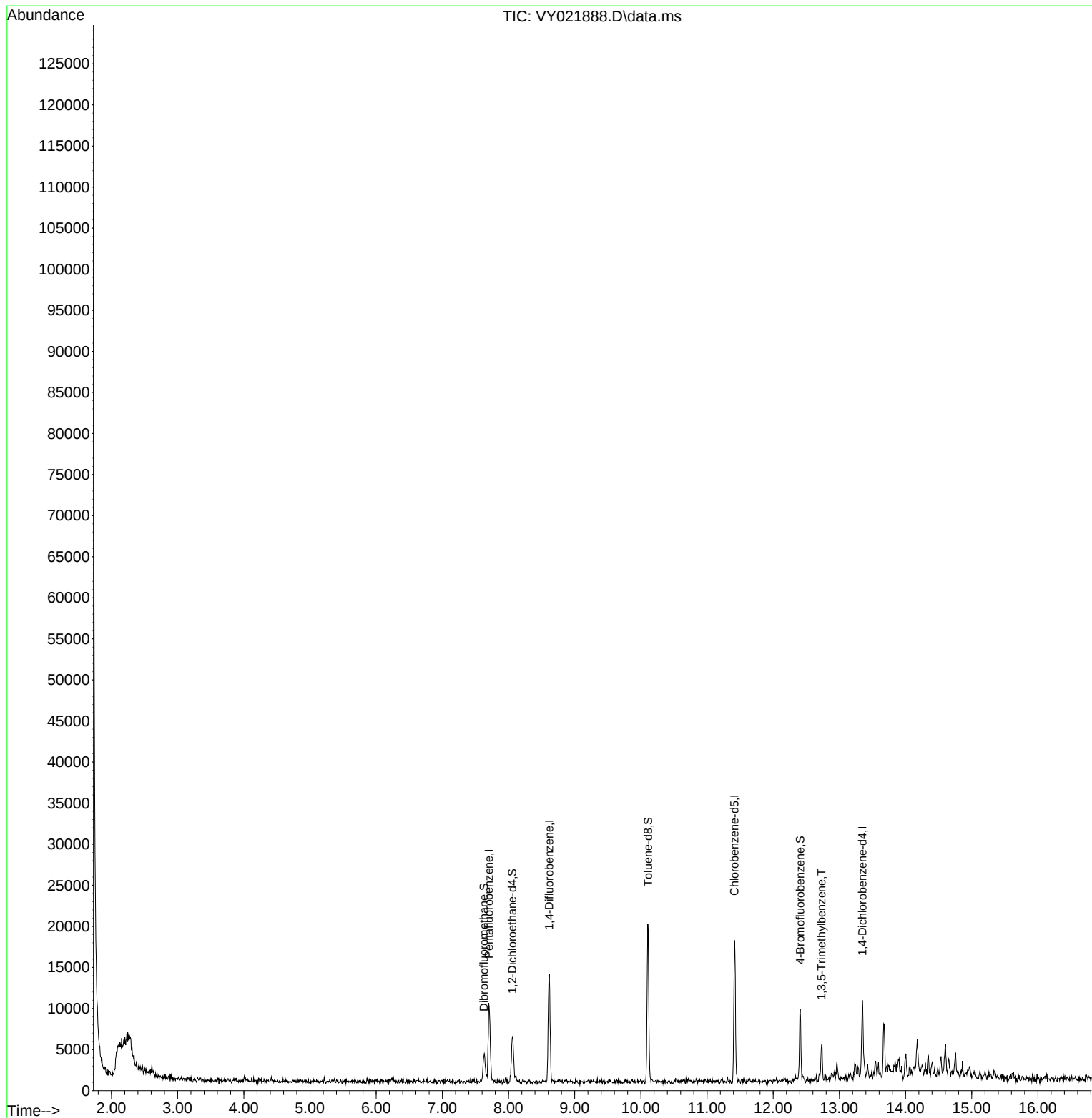
Internal Standards						
1) Pentafluorobenzene	7.701	168	7018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	11233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	8701	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	4799	63.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.220%
35) Dibromofluoromethane	7.628	113	2591	35.558	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	71.120%
50) Toluene-d8	10.109	98	13062	47.120	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.240%
62) 4-Bromofluorobenzene	12.408	95	2752	29.350	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.700%
Target Compounds						
80) 1,3,5-Trimethylbenzene	12.731	105	500	3.911	ug/l	Qvalue 75

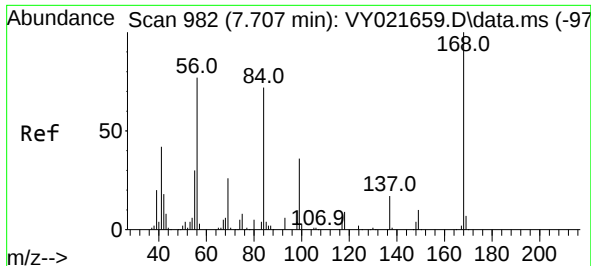
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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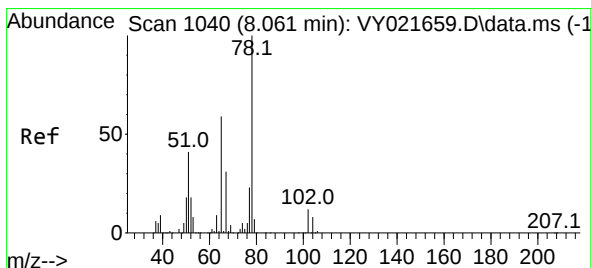
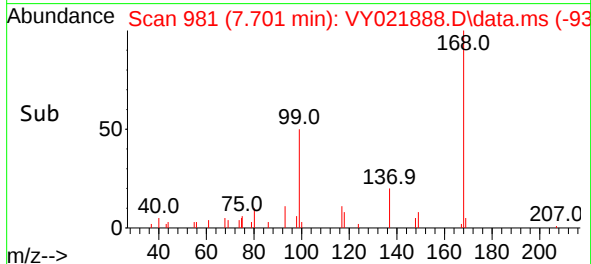
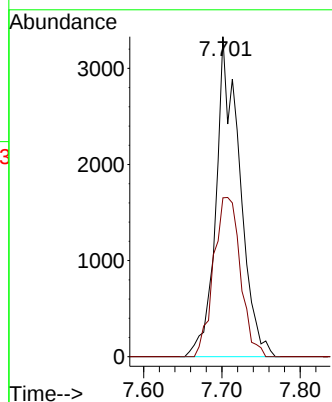
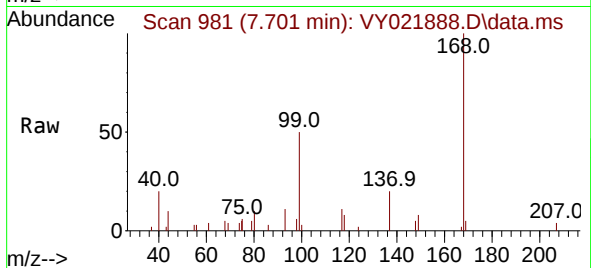




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021888.D
Acq: 15 Apr 2025 12:05

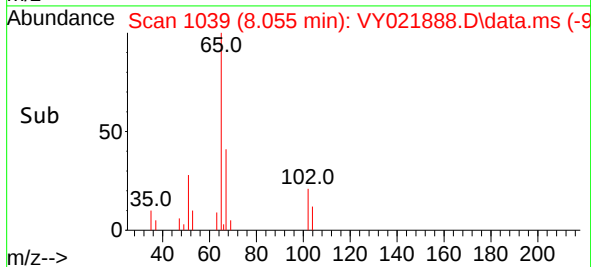
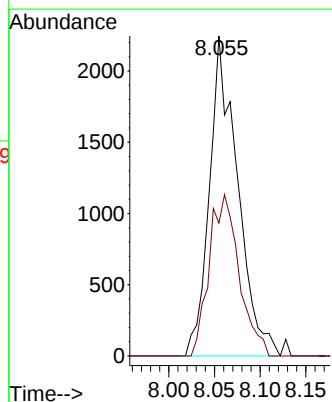
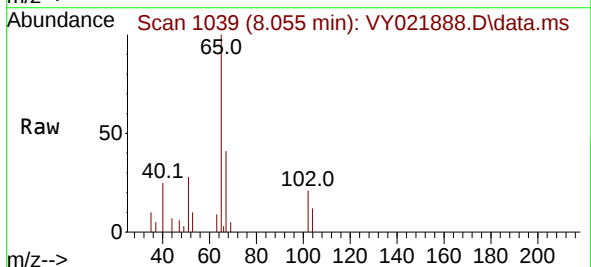
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-041125

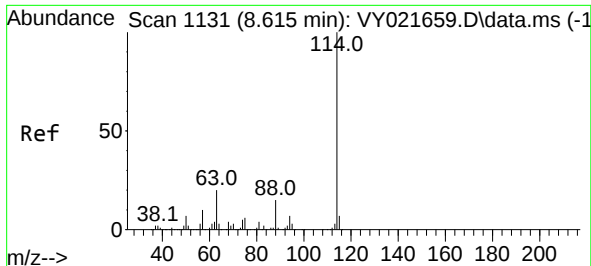
Tgt Ion:168 Resp: 7018
Ion Ratio Lower Upper
168 100
99 49.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 63.113 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021888.D
Acq: 15 Apr 2025 12:05

Tgt Ion: 65 Resp: 4799
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021888.D

Acq: 15 Apr 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-041125

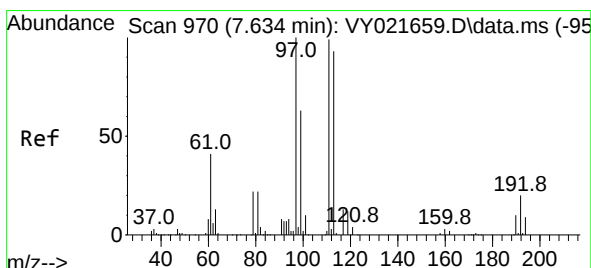
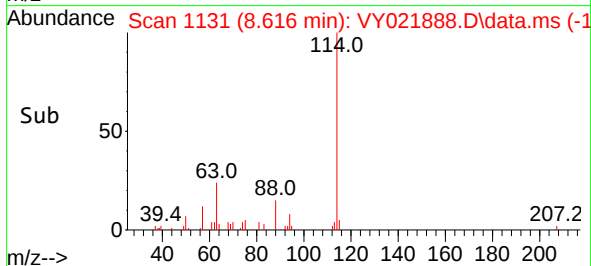
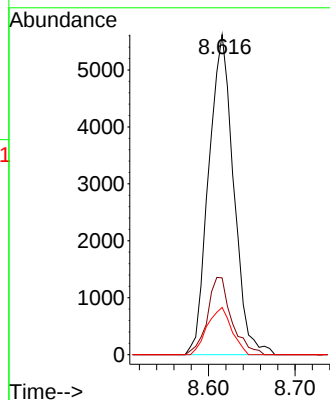
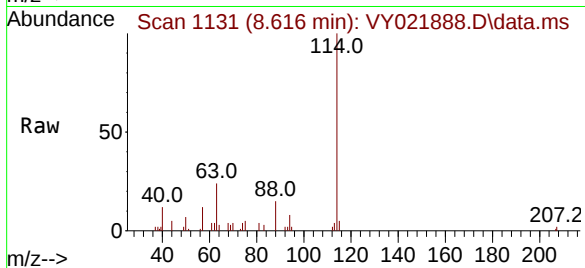
Tgt Ion:114 Resp: 11233

Ion Ratio Lower Upper

114 100

63 24.0 0.0 40.2

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 35.558 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY021888.D

Acq: 15 Apr 2025 12:05

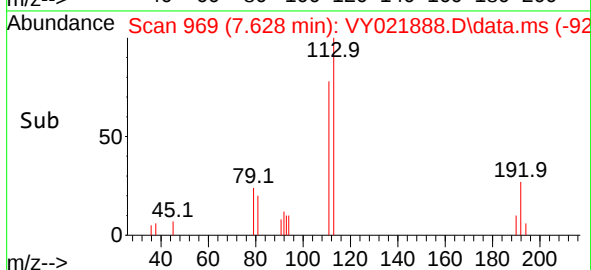
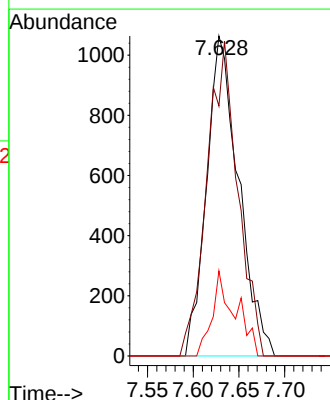
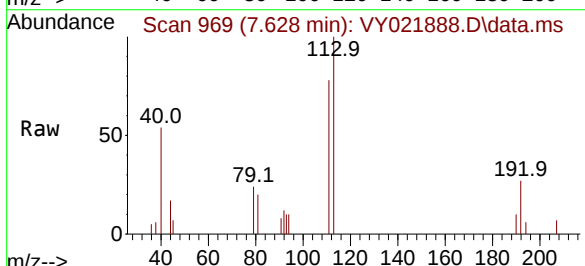
Tgt Ion:113 Resp: 2591

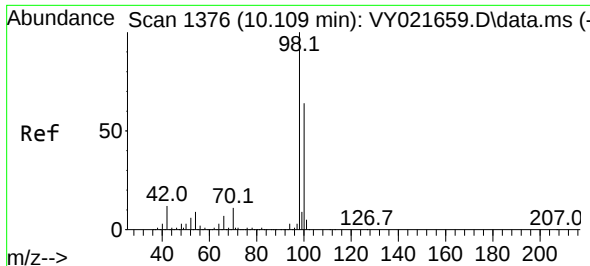
Ion Ratio Lower Upper

113 100

111 95.1 82.6 123.8

192 19.2 16.2 24.4

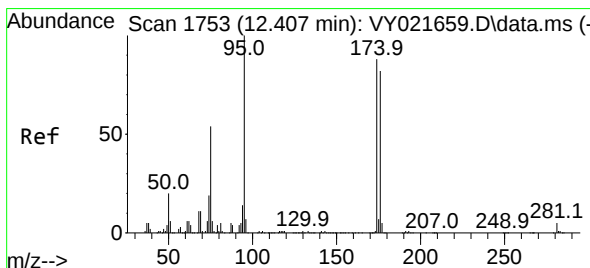
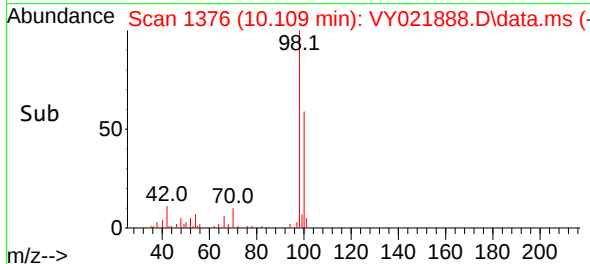
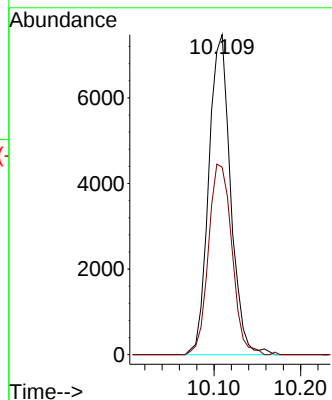
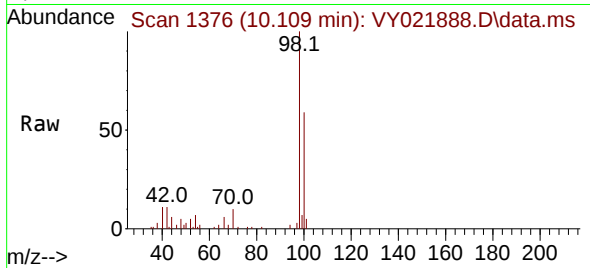




#50
Toluene-d8
Concen: 47.120 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021888.D
Acq: 15 Apr 2025 12:05

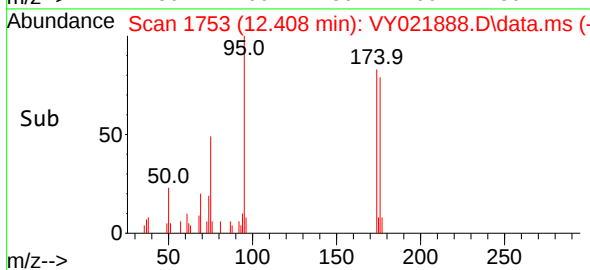
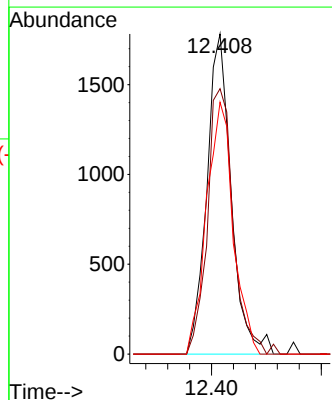
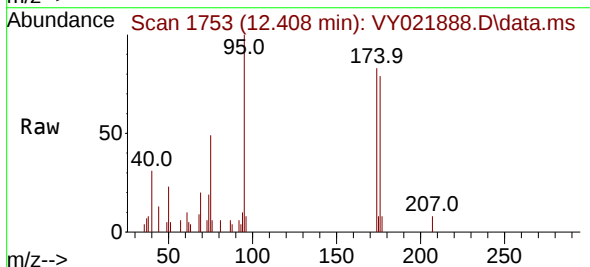
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-041125

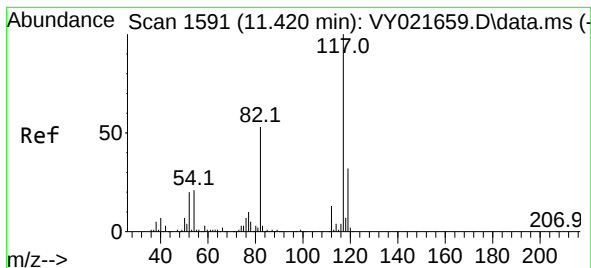
Tgt Ion: 98 Resp: 13062
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 29.350 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021888.D
Acq: 15 Apr 2025 12:05

Tgt Ion: 95 Resp: 2752
Ion Ratio Lower Upper
95 100
174 88.1 0.0 170.8
176 86.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021888.D

Acq: 15 Apr 2025 12:05

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-041125

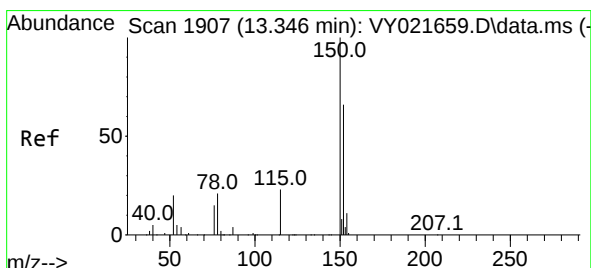
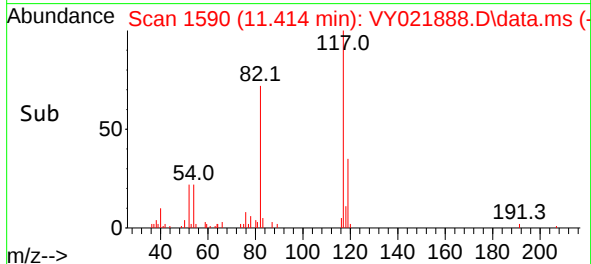
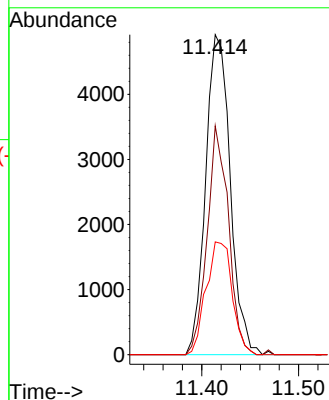
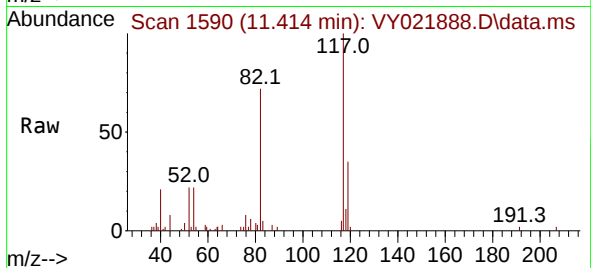
Tgt Ion:117 Resp: 8701

Ion Ratio Lower Upper

117 100

82 71.5 42.8 64.2#

119 35.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021888.D

Acq: 15 Apr 2025 12:05

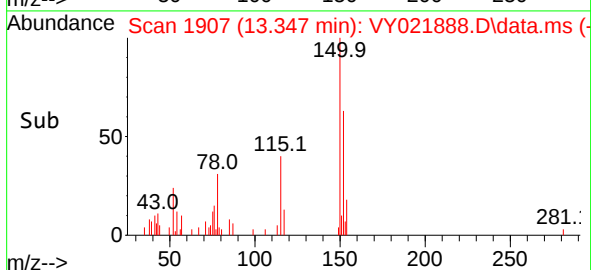
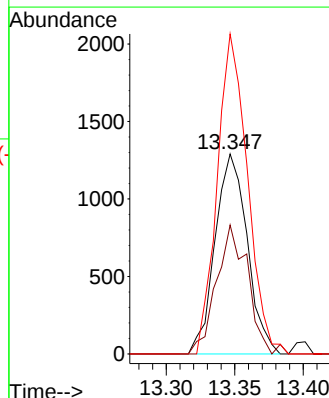
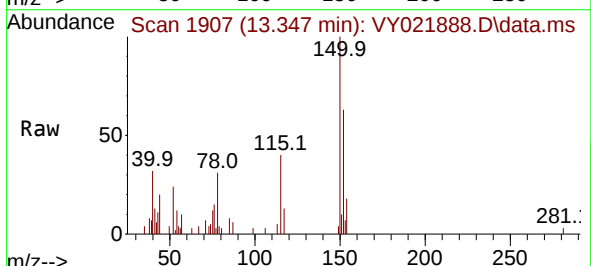
Tgt Ion:152 Resp: 2106

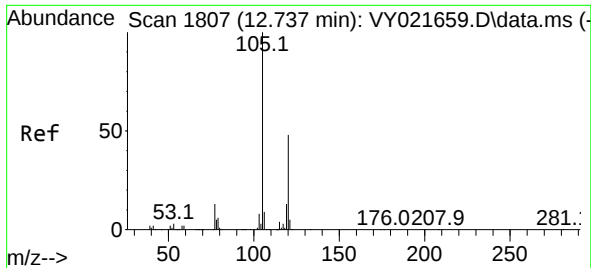
Ion Ratio Lower Upper

152 100

115 63.1 28.8 86.5

150 150.5 0.0 348.4





#80
 1,3,5-Trimethylbenzene
 Concen: 3.911 ug/l
 RT: 12.731 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY021888.D
 Acq: 15 Apr 2025 12:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-041125

Tgt Ion:105 Resp: 500
 Ion Ratio Lower Upper
 105 100
 120 31.8 24.5 73.5

