

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021289.D
 Acq On : 21 Feb 2025 16:34
 Operator : SY/MD
 Sample : Q1383-21
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-15-021725

Quant Time: Feb 21 23:09:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	164292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	317351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	125058	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109018	64.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.520%
35) Dibromofluoromethane	7.640	113	106356	52.294	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.580%
50) Toluene-d8	10.109	98	398732	51.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.408	95	129990	51.389	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.780%

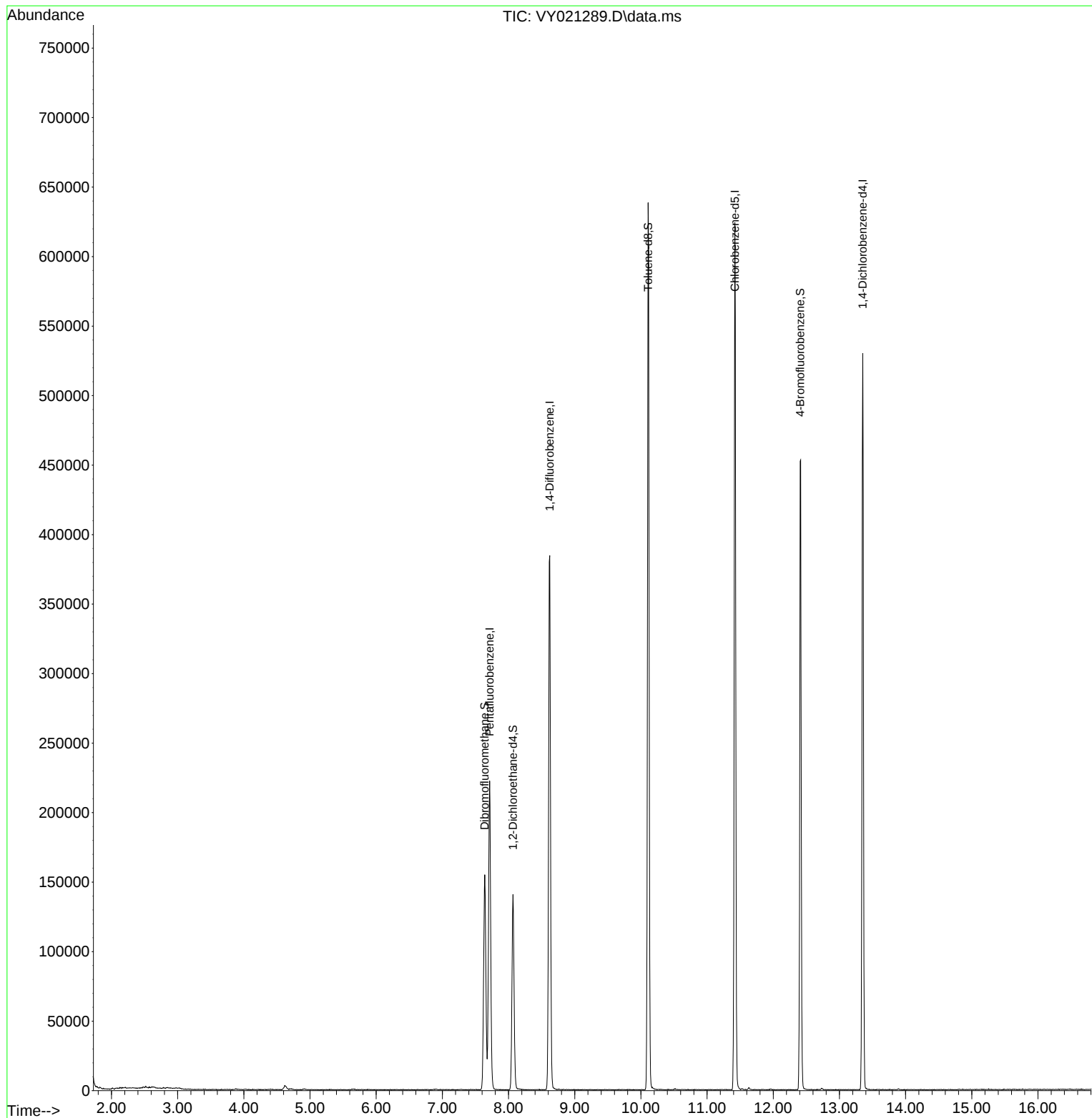
Target Compounds	Qvalue

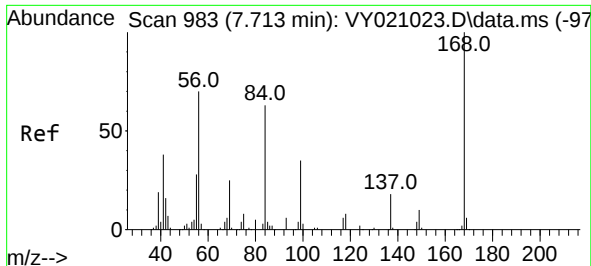
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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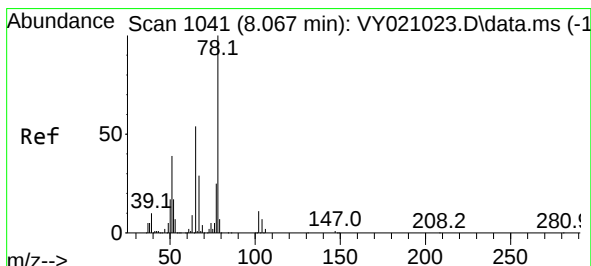
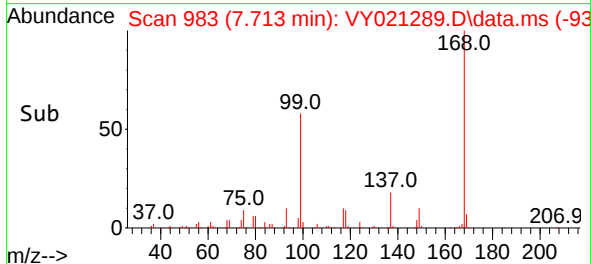
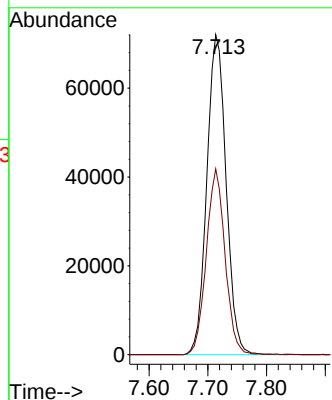
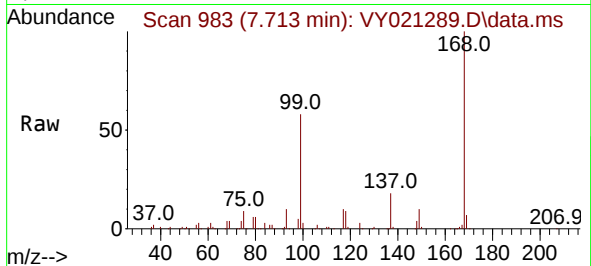




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

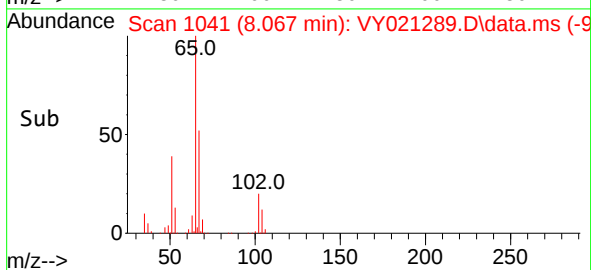
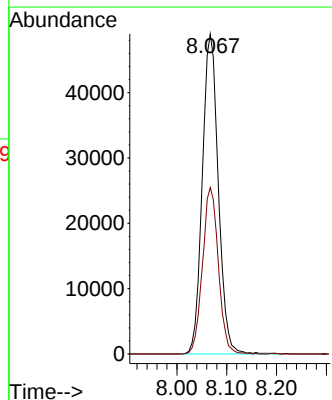
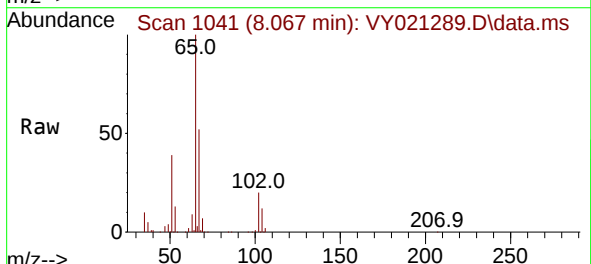
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-021725

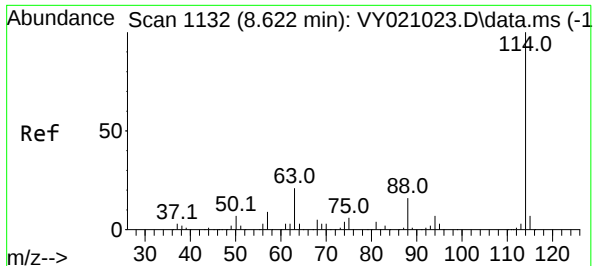
Tgt Ion:168 Resp: 164292
Ion Ratio Lower Upper
168 100
99 58.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 64.764 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Tgt Ion: 65 Resp: 109018
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-021725

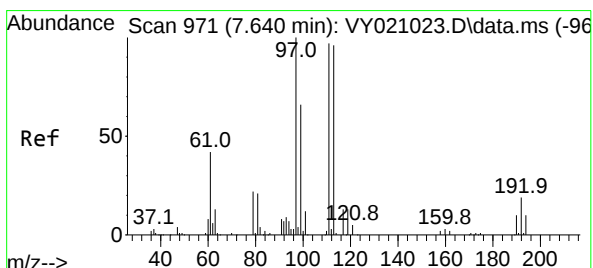
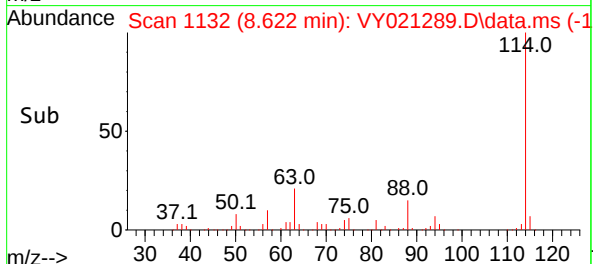
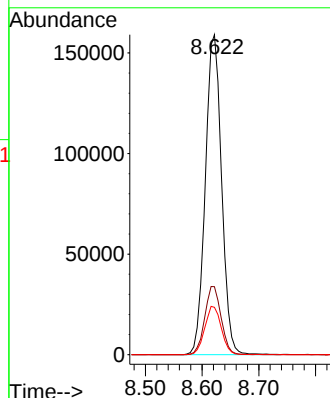
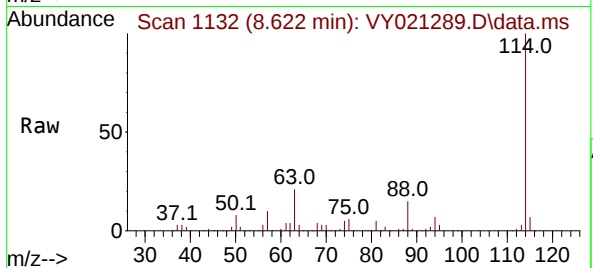
Tgt Ion:114 Resp: 317351

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.294 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

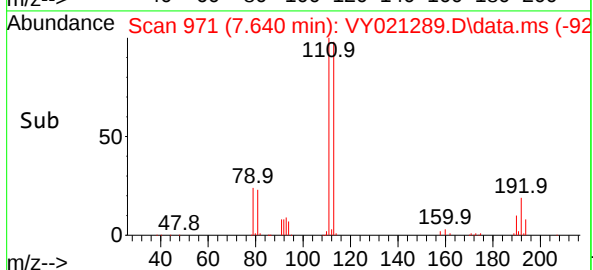
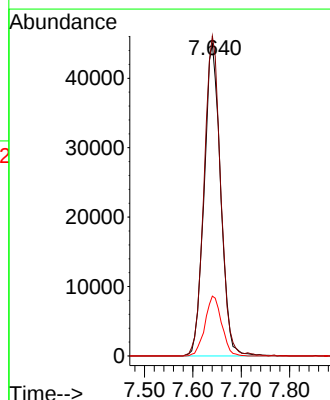
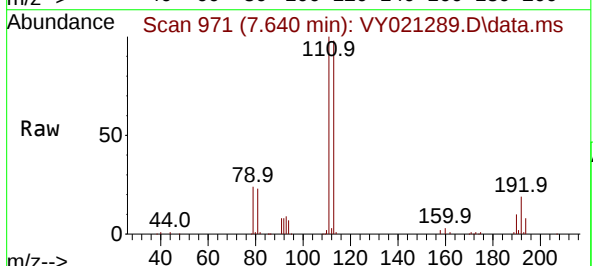
Tgt Ion:113 Resp: 106356

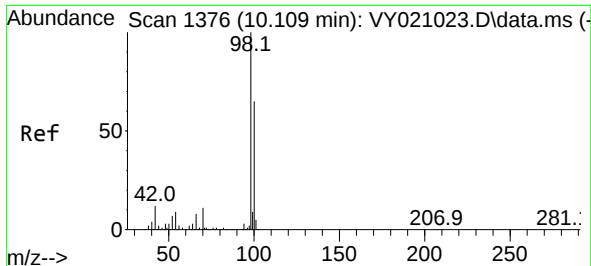
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 19.4 14.5 21.7

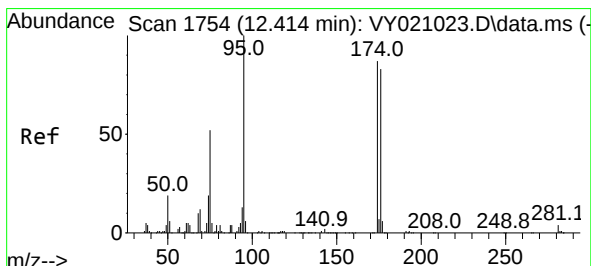
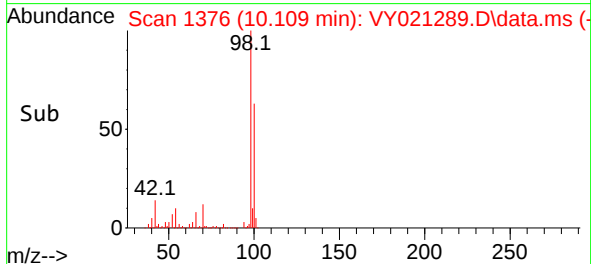
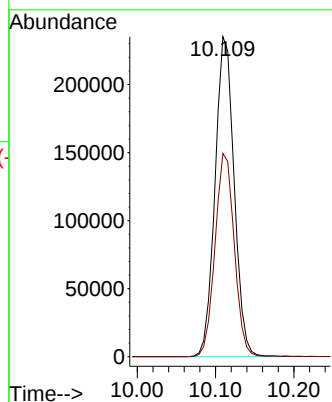
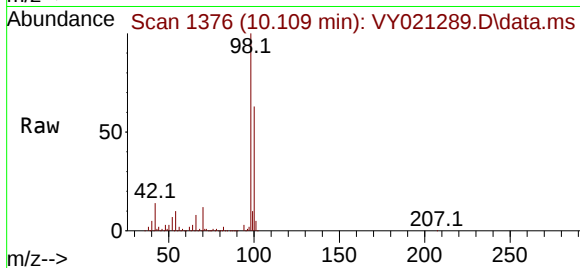




#50
Toluene-d8
Concen: 51.497 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

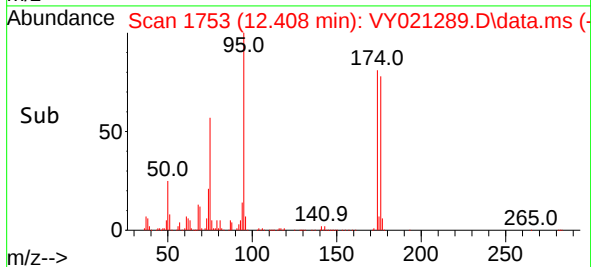
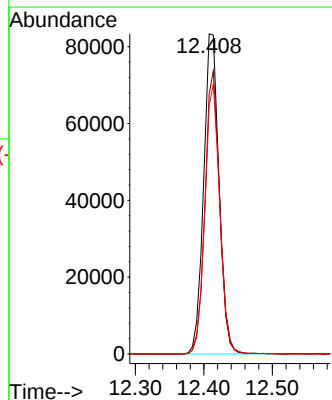
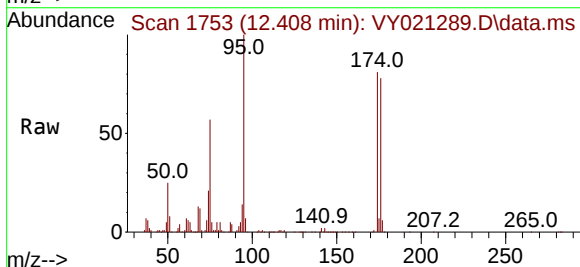
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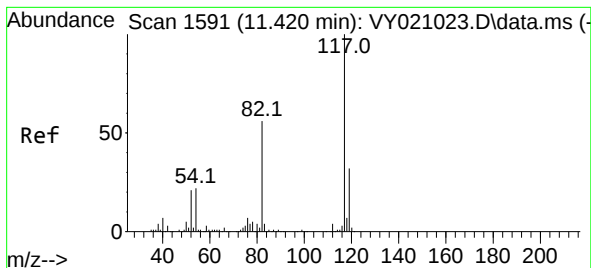
Tgt Ion: 98 Resp: 398732
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 51.389 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Tgt Ion: 95 Resp: 129990
Ion Ratio Lower Upper
95 100
174 85.4 0.0 160.0
176 81.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-021725

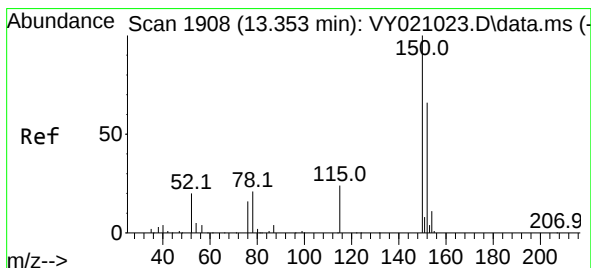
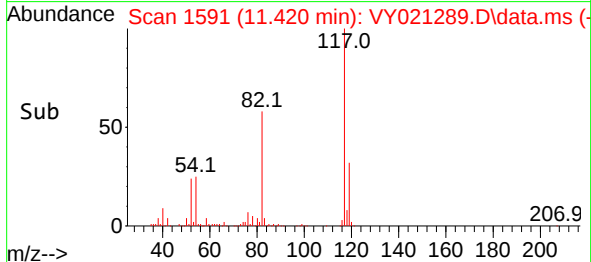
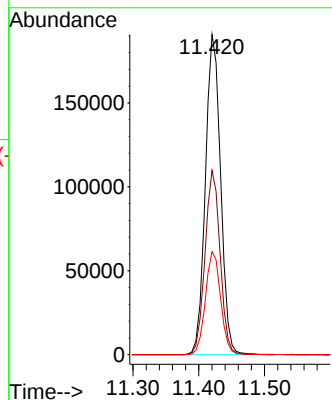
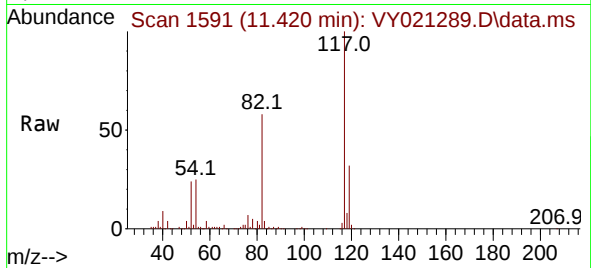
Tgt Ion:117 Resp: 306581

Ion Ratio Lower Upper

117 100

82 57.6 43.8 65.8

119 32.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

Tgt Ion:152 Resp: 125058

Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

150 157.8 0.0 344.6

