

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021078.D
 Acq On : 05 Feb 2025 11:07
 Operator : SY/MD
 Sample : Q1284-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-2-4-2025

Quant Time: Feb 06 00:34:46 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	194871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	351011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	112224	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	102656	51.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.840%
35) Dibromofluoromethane	7.640	113	109380	48.624	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.240%
50) Toluene-d8	10.115	98	422842	49.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.414	95	123298	44.069	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.140%

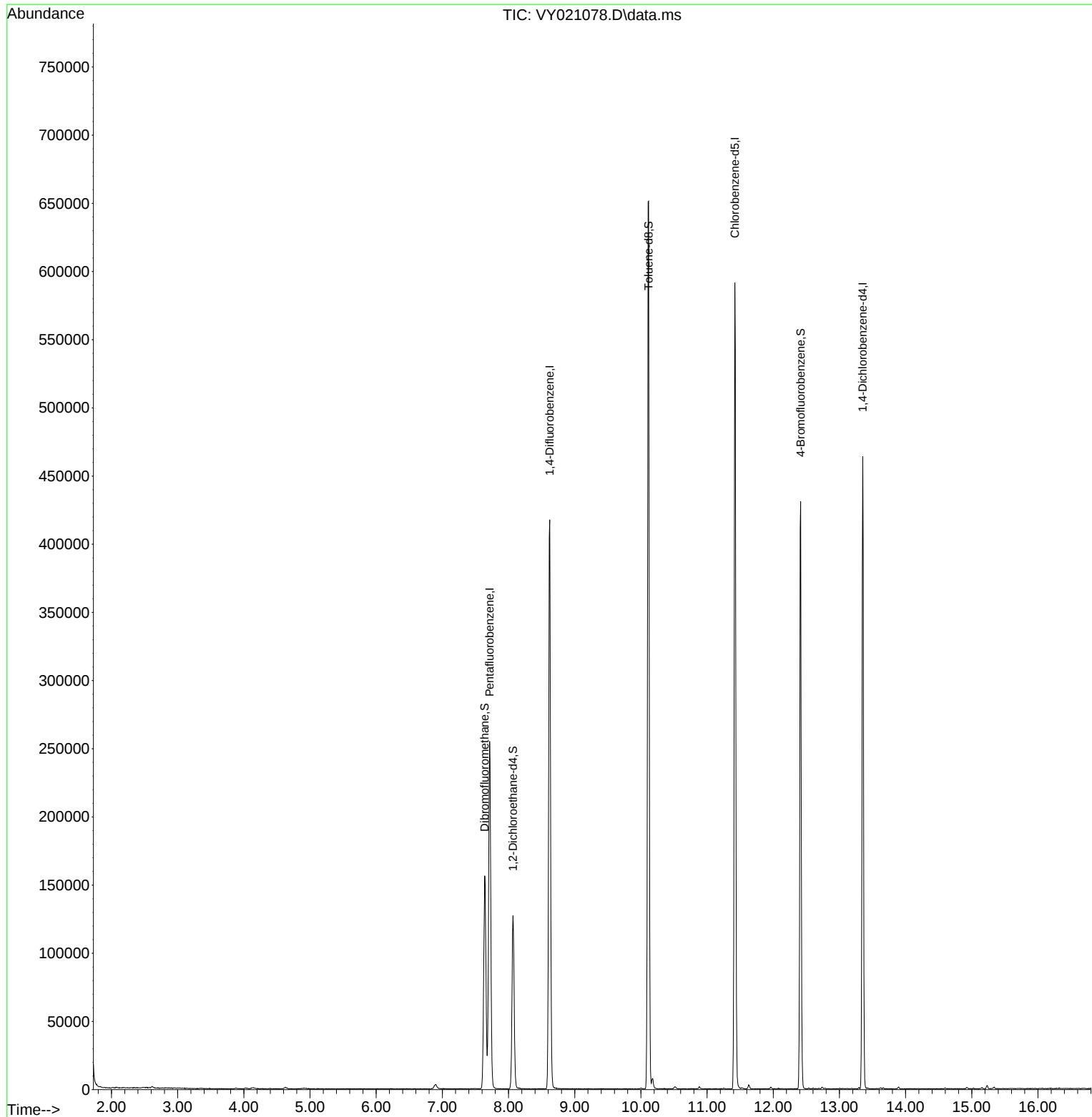
Target Compounds	Qvalue

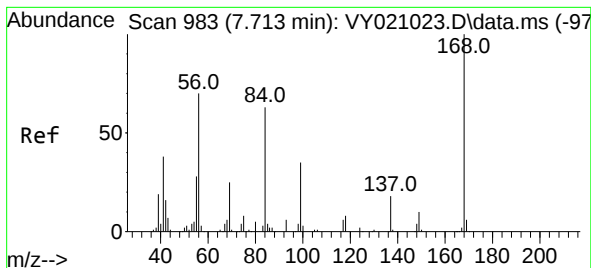
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021078.D

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Instrument :

MSVOA_Y

ClientSampleId :

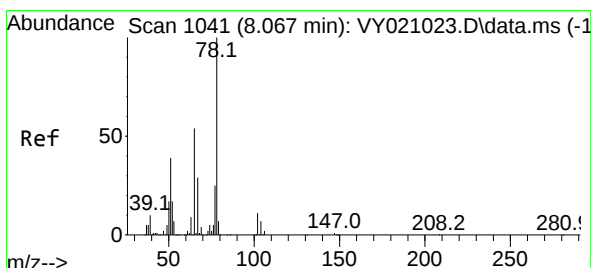
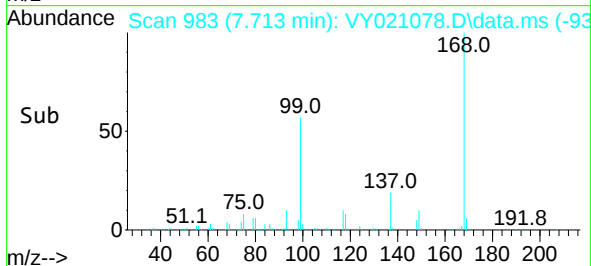
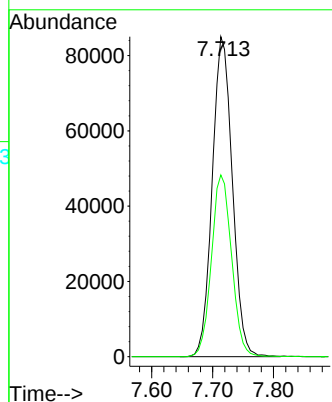
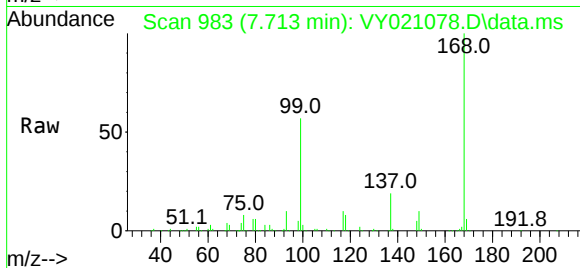
SU-03-2-4-2025

Tgt Ion:168 Resp: 194871

Ion Ratio Lower Upper

168 100

99 56.8 44.2 66.4



#33

1,2-Dichloroethane-d4

Concen: 51.415 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021078.D

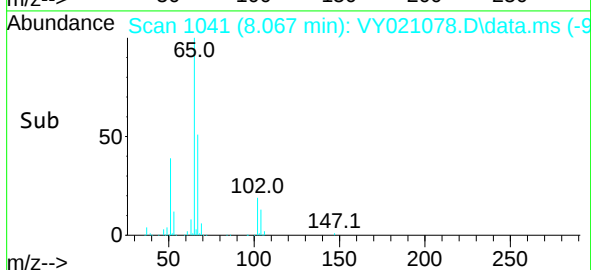
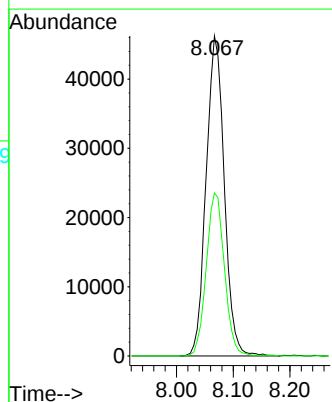
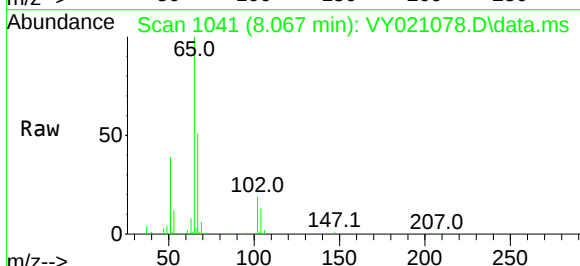
Acq: 05 Feb 2025 11:07

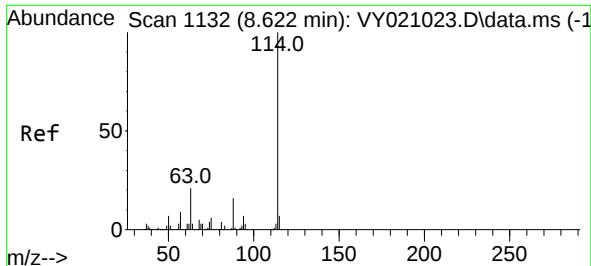
Tgt Ion: 65 Resp: 102656

Ion Ratio Lower Upper

65 100

67 51.0 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: VY021078.D

Acq: 05 Feb 2025 11:07

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-2-4-2025

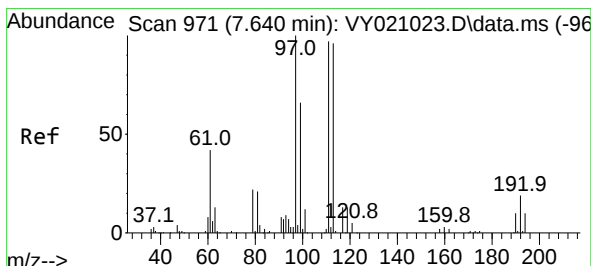
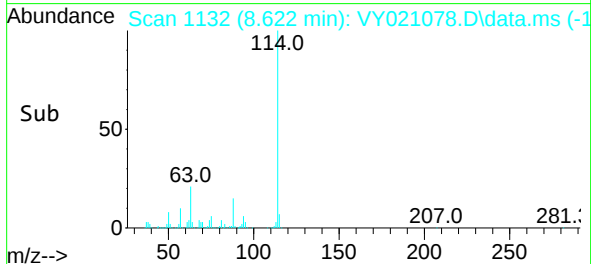
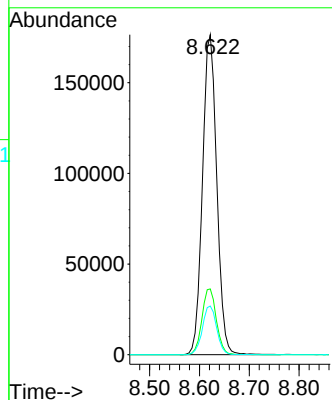
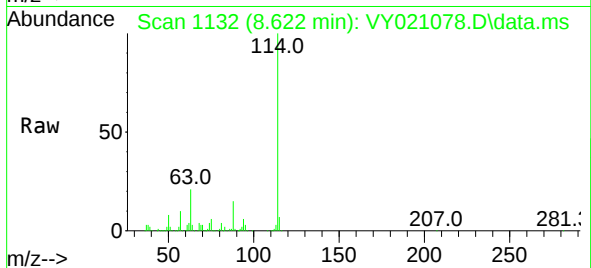
Tgt Ion:114 Resp: 351011

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 48.624 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021078.D

Acq: 05 Feb 2025 11:07

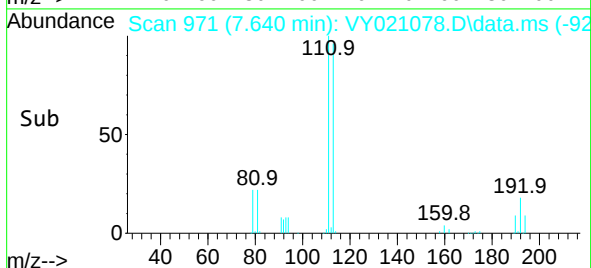
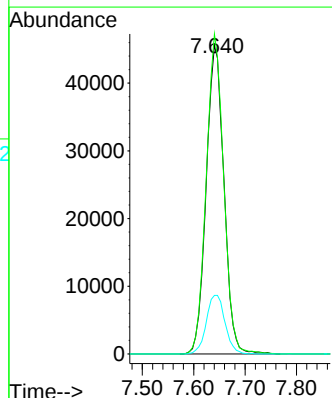
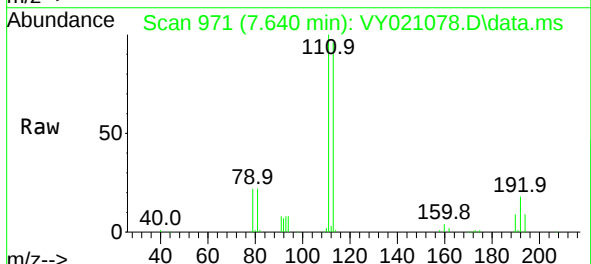
Tgt Ion:113 Resp: 109380

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 20.0 14.5 21.7

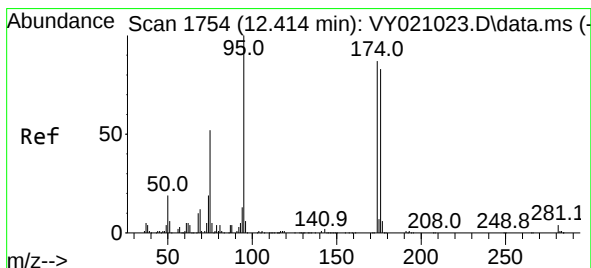
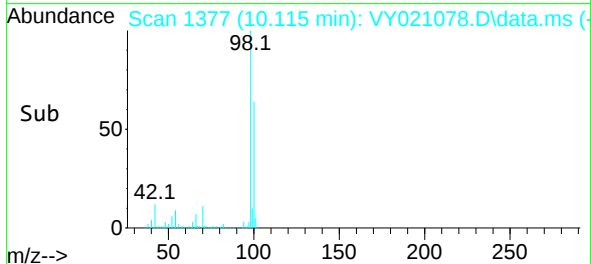
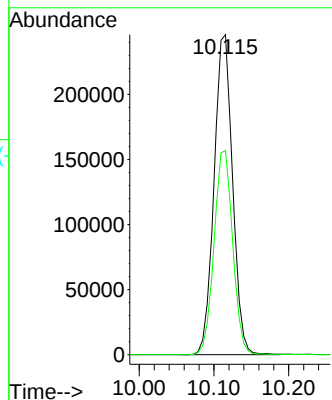
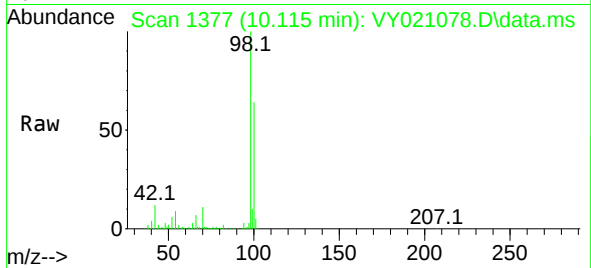




#50
Toluene-d8
Concen: 49.374 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021078.D
Acq: 05 Feb 2025 11:07

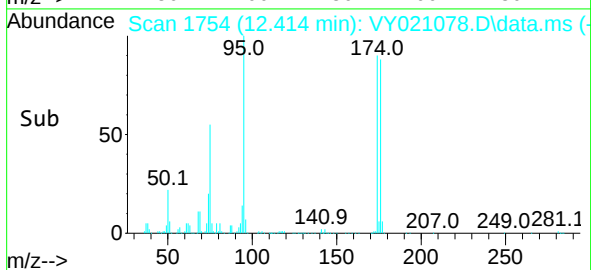
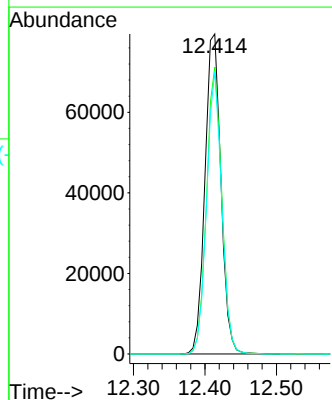
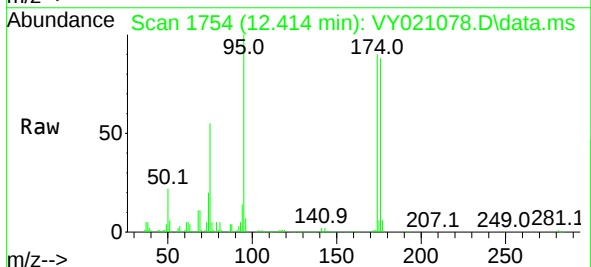
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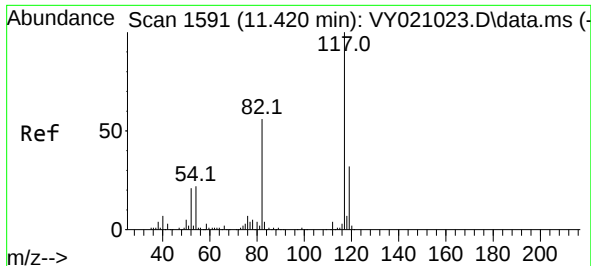
Tgt Ion: 98 Resp: 422842
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.069 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021078.D
Acq: 05 Feb 2025 11:07

Tgt Ion: 95 Resp: 123298
Ion Ratio Lower Upper
95 100
174 86.3 0.0 160.0
176 83.4 0.0 151.8

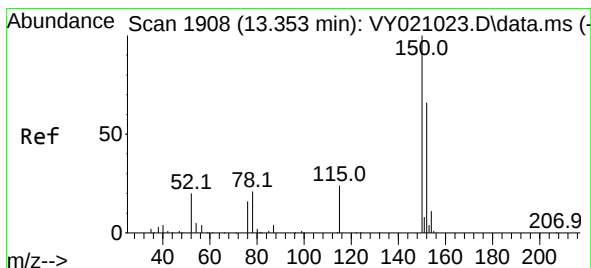
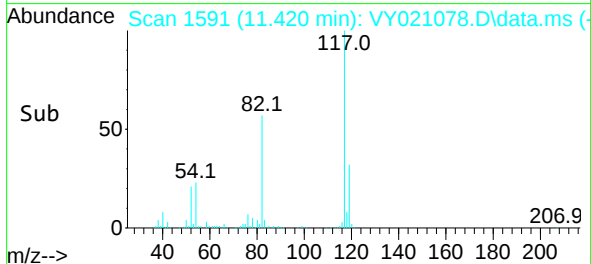
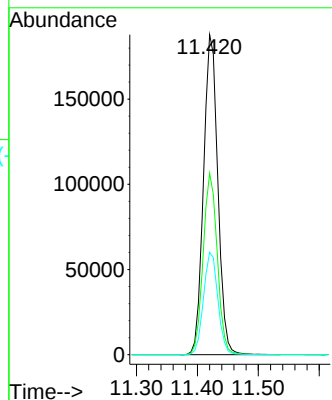
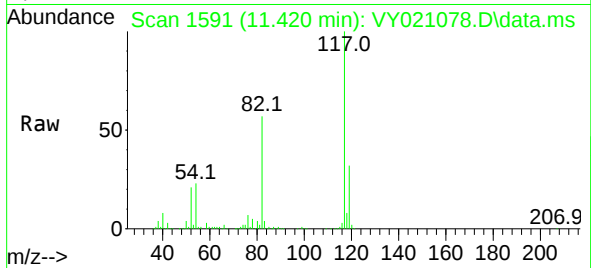




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021078.D
Acq: 05 Feb 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-2-4-2025

Tgt Ion:117 Resp: 306979
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.8
119 32.0 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: VY021078.D
Acq: 05 Feb 2025 11:07

Tgt Ion:152 Resp: 112224
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 157.0 0.0 344.6

