

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021206.D
 Acq On : 14 Feb 2025 13:03
 Operator : SY/MD
 Sample : Q1365-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 286

Quant Time: Feb 14 22:19:07 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	7.732	168	342	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.616	114	597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	259	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	296	84.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	168.940%#
35) Dibromofluoromethane	7.640	113	350	91.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	182.960%#
50) Toluene-d8	10.109	98	358	24.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	49.160%#
62) 4-Bromofluorobenzene	12.420	95	61	12.819	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	25.640%#

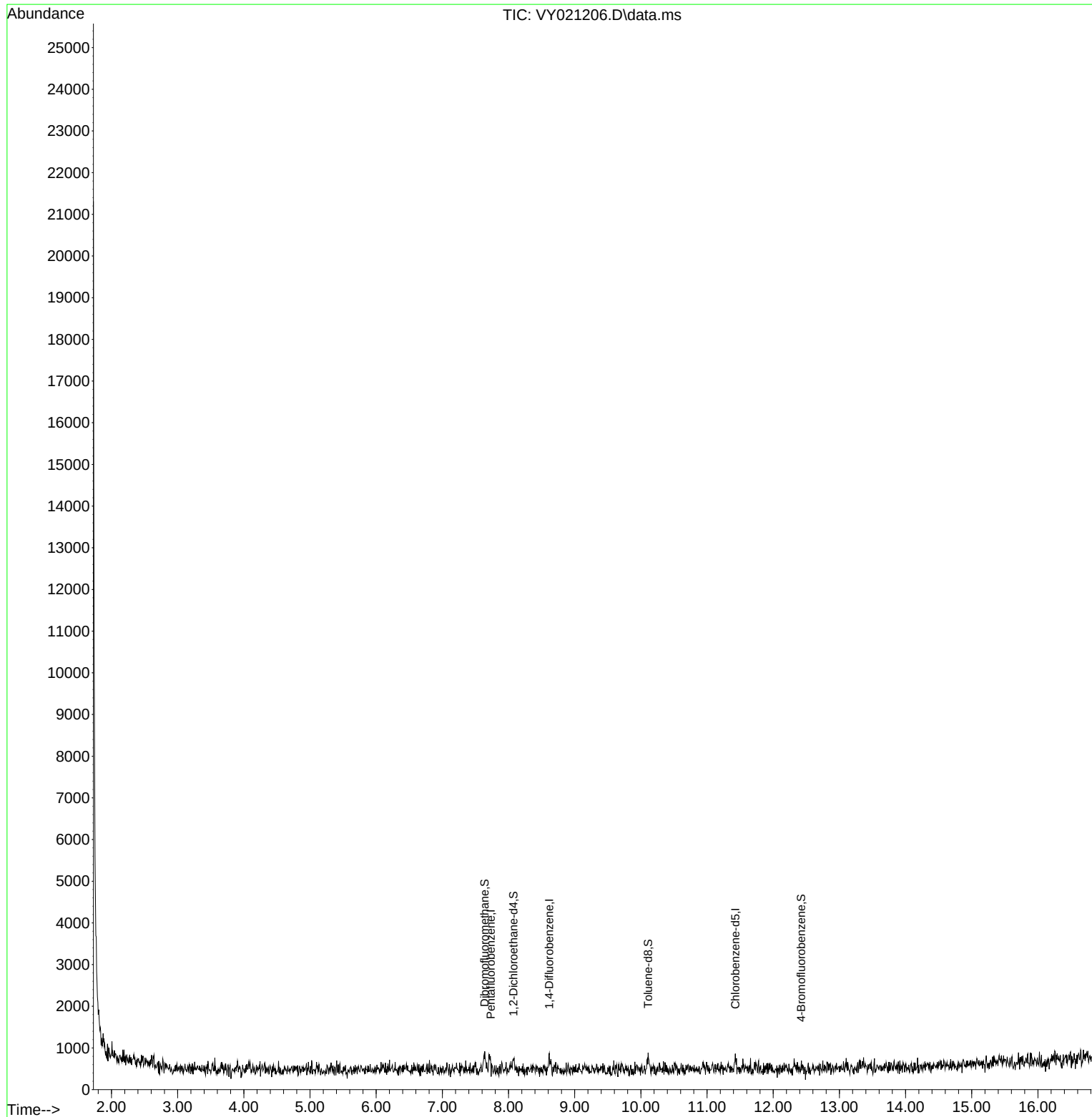
Target Compounds	Qvalue

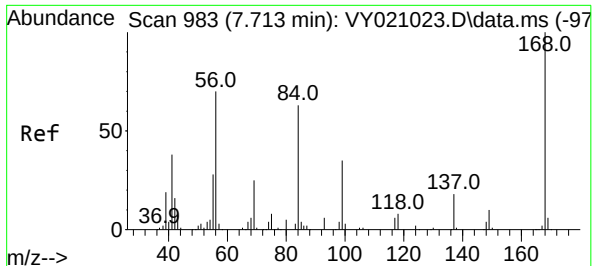
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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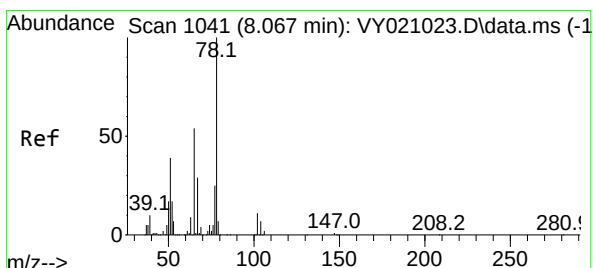
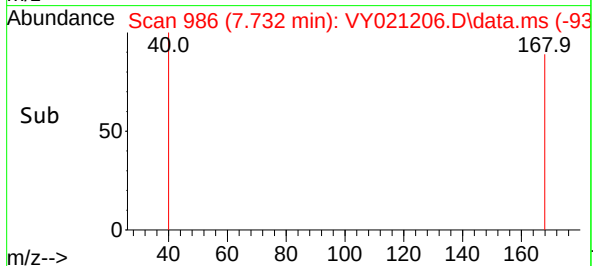
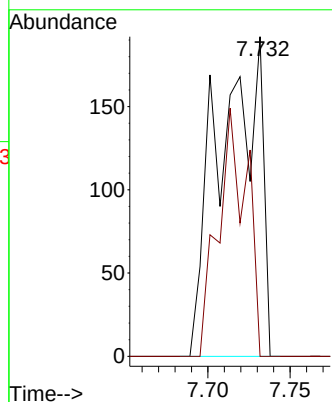
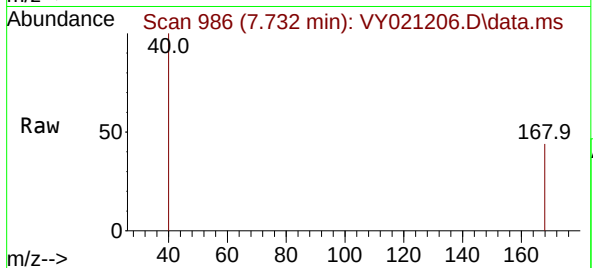




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY021206.D
Acq: 14 Feb 2025 13:03

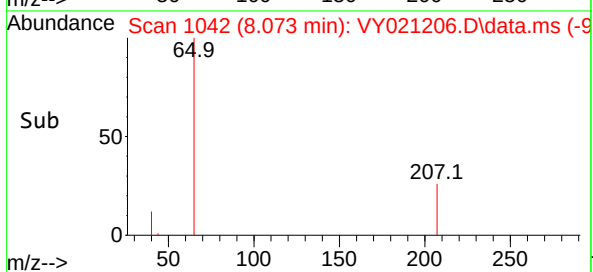
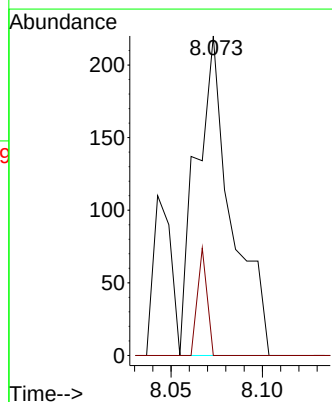
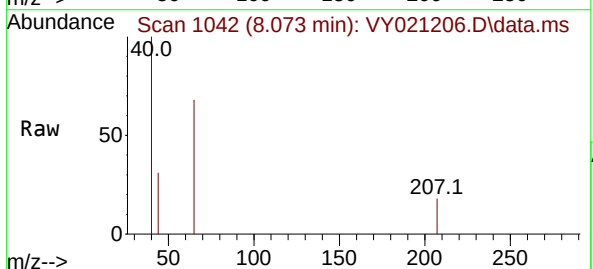
Instrument :
MSVOA_Y
ClientSampleId :
286

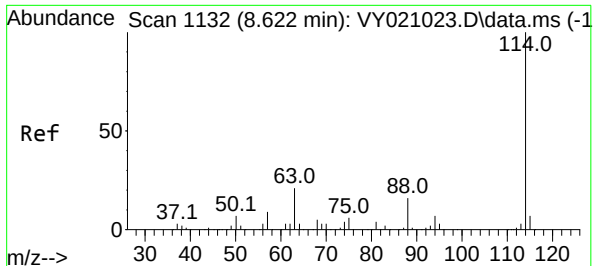
Tgt Ion:168 Resp: 342
Ion Ratio Lower Upper
168 100
99 0.0 44.2 66.4#



#33
1,2-Dichloroethane-d4
Concen: 84.473 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021206.D
Acq: 14 Feb 2025 13:03

Tgt Ion: 65 Resp: 296
Ion Ratio Lower Upper
65 100
67 9.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021206.D

Acq: 14 Feb 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

286

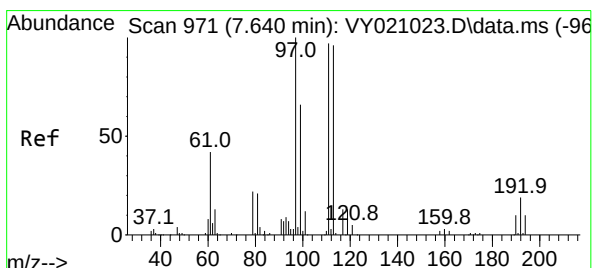
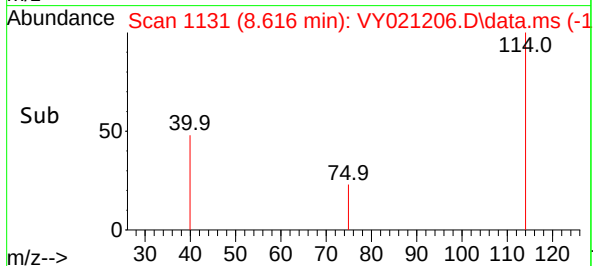
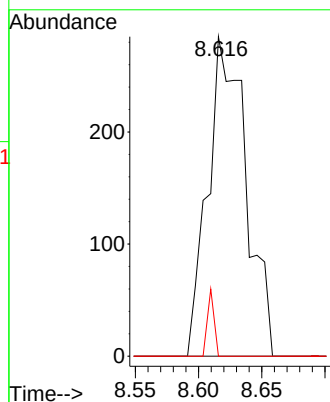
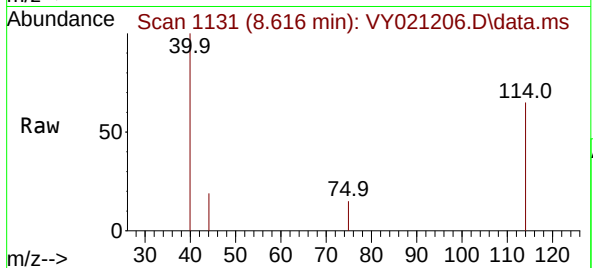
Tgt Ion:114 Resp: 597

Ion Ratio Lower Upper

114 100

63 0.0 0.0 37.4

88 0.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 91.480 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021206.D

Acq: 14 Feb 2025 13:03

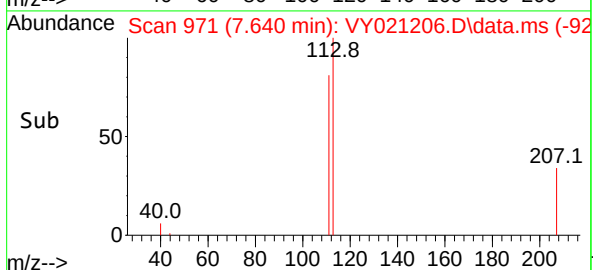
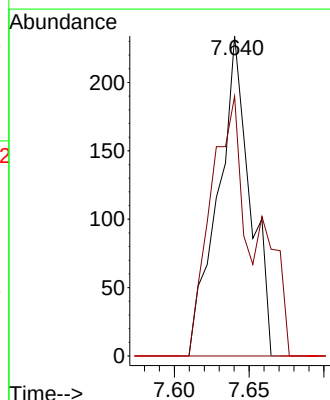
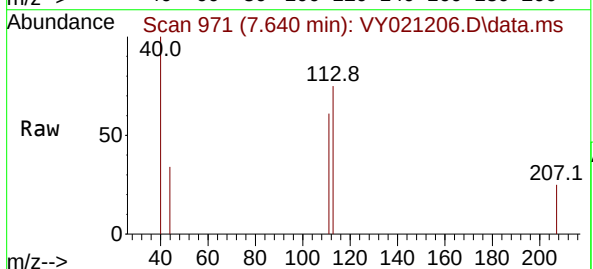
Tgt Ion:113 Resp: 350

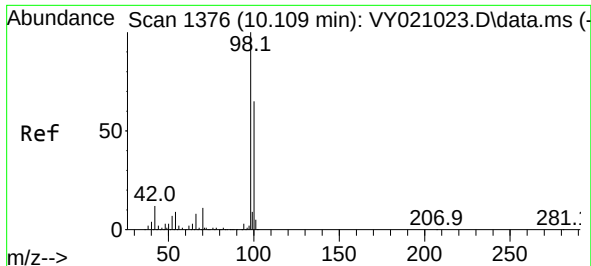
Ion Ratio Lower Upper

113 100

111 83.7 83.8 125.6#

192 0.0 14.5 21.7#

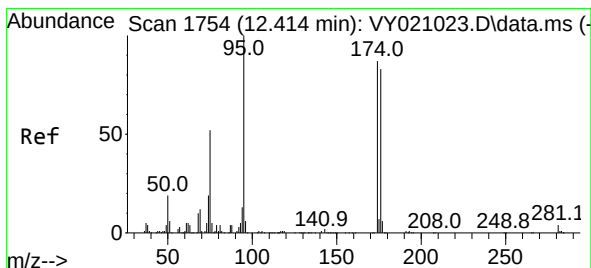
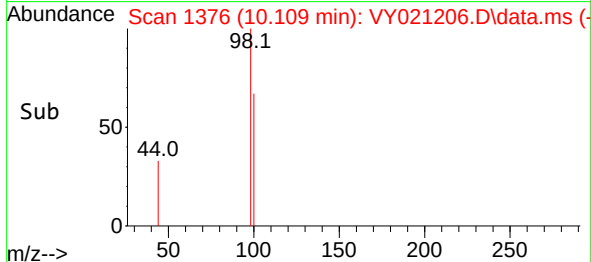
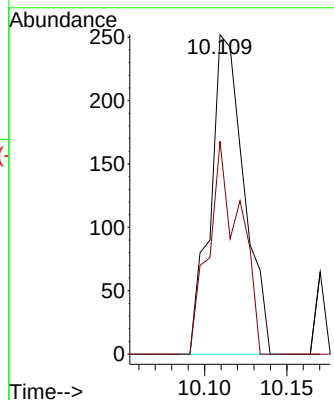
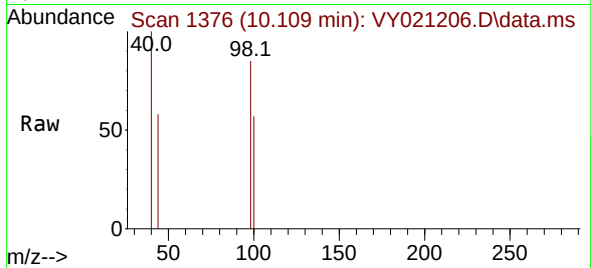




#50
Toluene-d8
Concen: 24.578 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021206.D
Acq: 14 Feb 2025 13:03

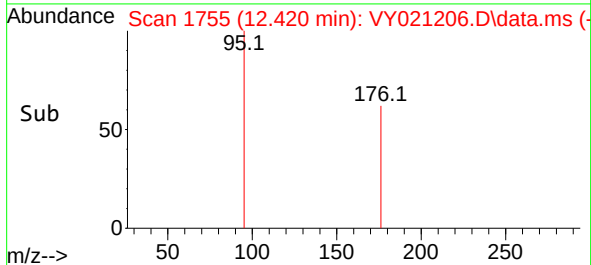
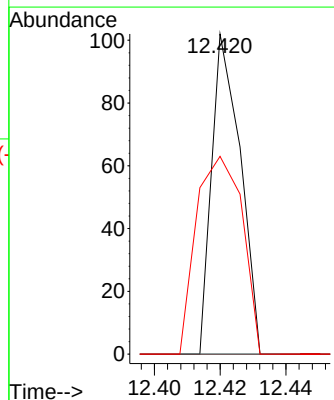
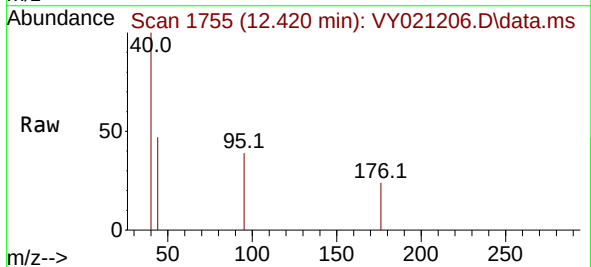
Instrument :
MSVOA_Y
ClientSampleId :
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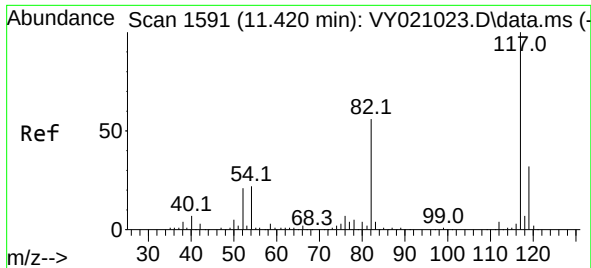
Tgt Ion: 98 Resp: 358
Ion Ratio Lower Upper
98 100
100 62.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 12.819 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021206.D
Acq: 14 Feb 2025 13:03

Tgt Ion: 95 Resp: 61
Ion Ratio Lower Upper
95 100
174 0.0 0.0 160.0
176 100.0 0.0 151.8

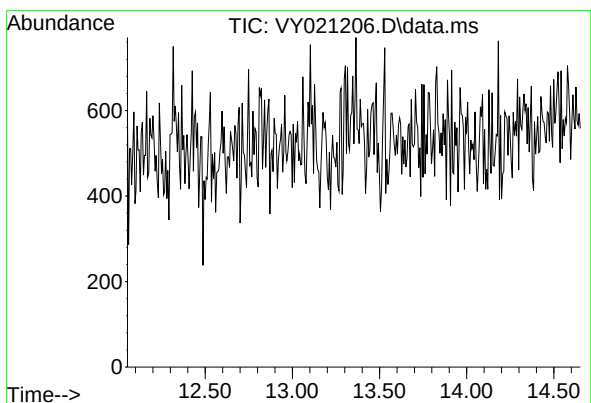
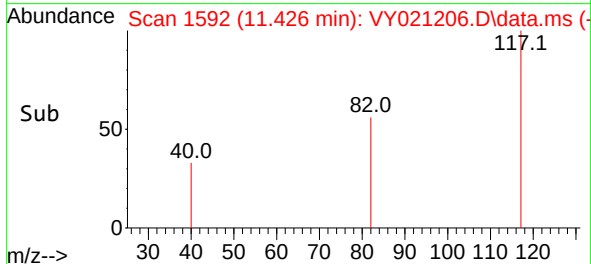
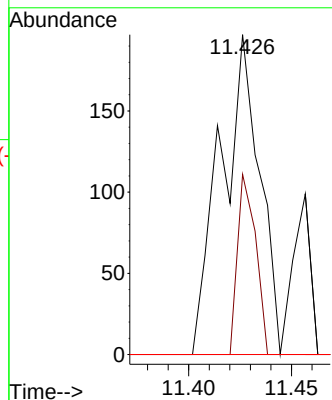
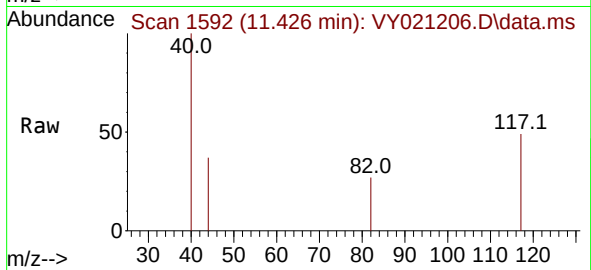




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021206.D
Acq: 14 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
286

Tgt Ion:117 Resp: 259
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 0.0 26.5 39.7#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min

Lab File: VY021206.D
Acq: 14 Feb 2025 13:03

Tgt Ion: 152
Sig Exp Ratio
152 100
115 60.0
150 172.3

