

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021113.D
 Acq On : 06 Feb 2025 15:58
 Operator : SY/MD
 Sample : Q1287-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BAY-DRUMS-A

Quant Time: Feb 07 02:33:38 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)

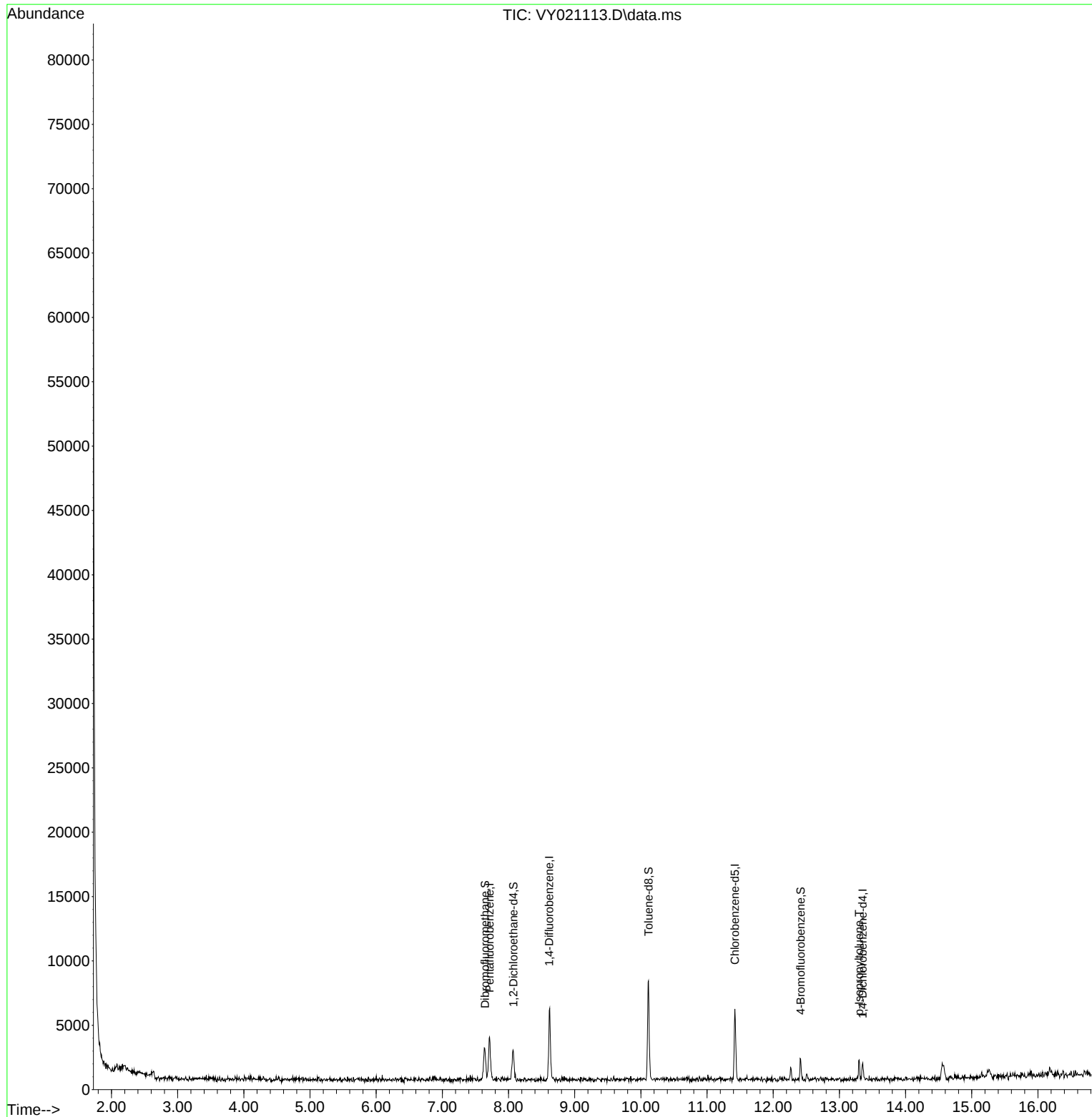
Internal Standards						
1) Pentafluorobenzene	7.713	168	3112	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	4819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1992	62.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.940%	
35) Dibromofluoromethane	7.646	113	1930	62.493	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.980%	
50) Toluene-d8	10.115	98	5426	46.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.300%	
62) 4-Bromofluorobenzene	12.414	95	583	15.178	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 30.360%	
Target Compounds						
86) p-Isopropyltoluene	13.298	119	1033	36.337	ug/l	Qvalue 90

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

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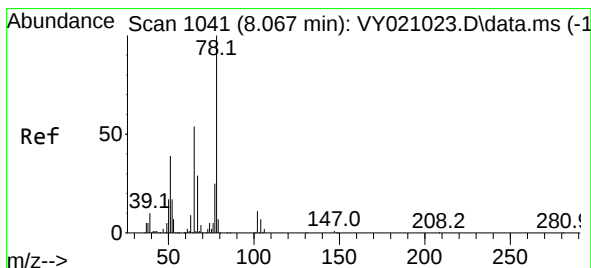
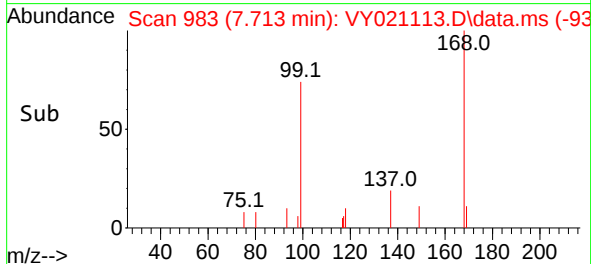
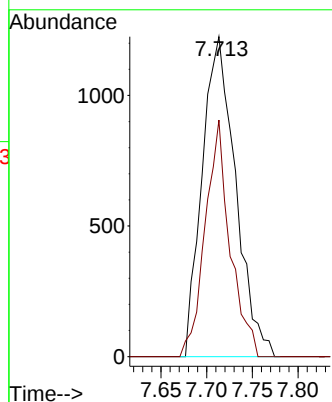
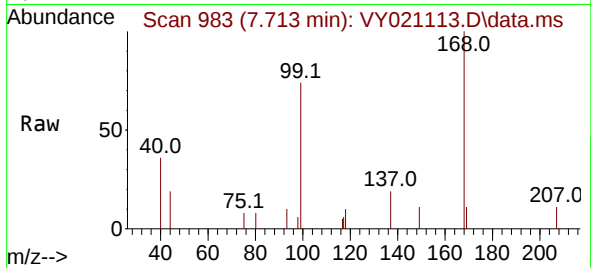




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

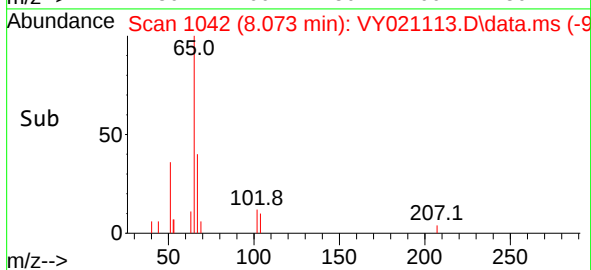
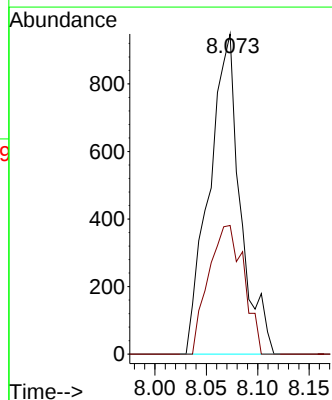
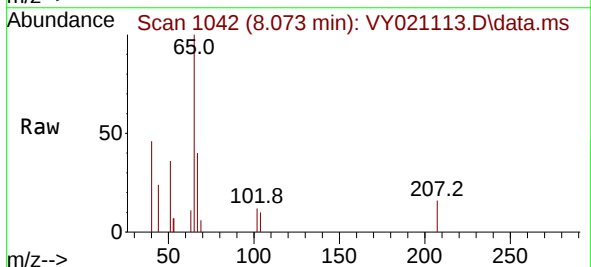
Instrument :
MSVOA_Y
ClientSampleId :
BAY-DRUMS-A

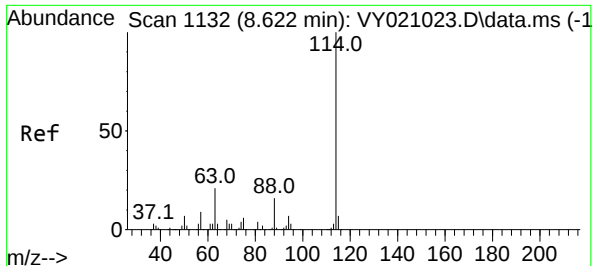
Tgt Ion:168 Resp: 3112
Ion Ratio Lower Upper
168 100
99 74.0 44.2 66.4#



#33
1,2-Dichloroethane-d4
Concen: 62.475 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 65 Resp: 1992
Ion Ratio Lower Upper
65 100
67 45.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021113.D

Acq: 06 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

BAY-DRUMS-A

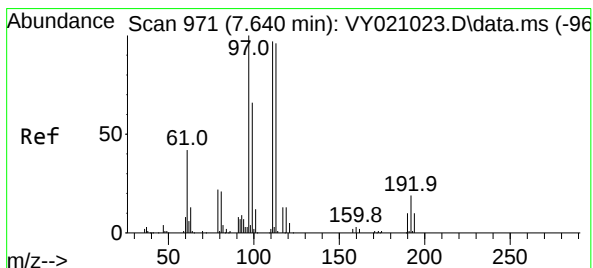
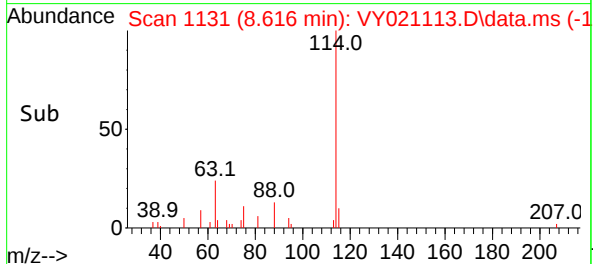
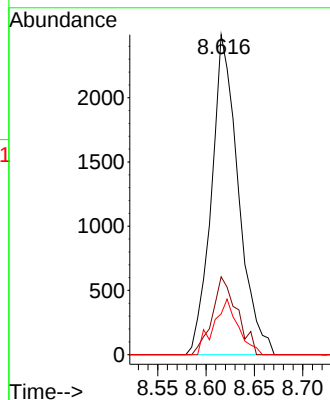
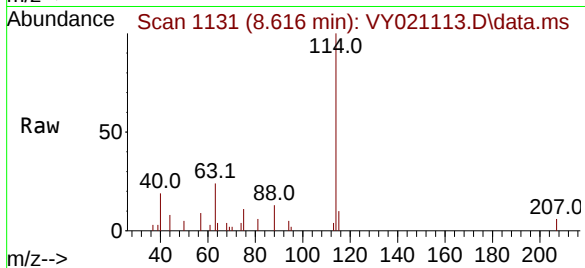
Tgt Ion:114 Resp: 4819

Ion Ratio Lower Upper

114 100

63 24.3 0.0 37.4

88 12.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 62.493 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021113.D

Acq: 06 Feb 2025 15:58

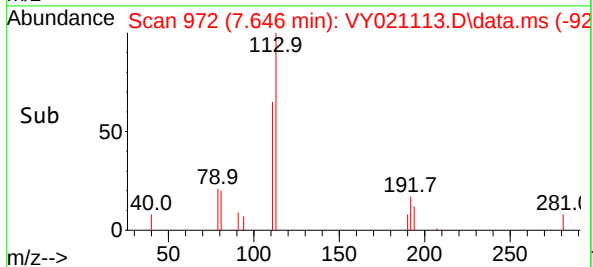
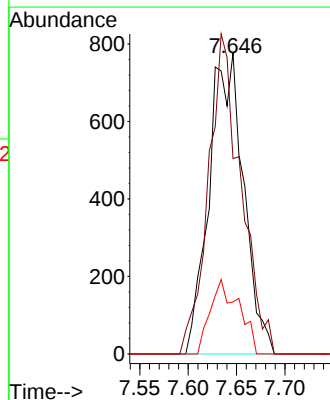
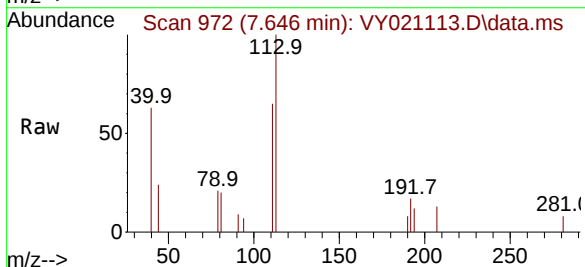
Tgt Ion:113 Resp: 1930

Ion Ratio Lower Upper

113 100

111 99.6 83.8 125.6

192 20.5 14.5 21.7

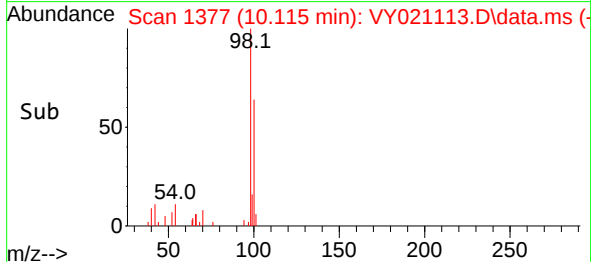
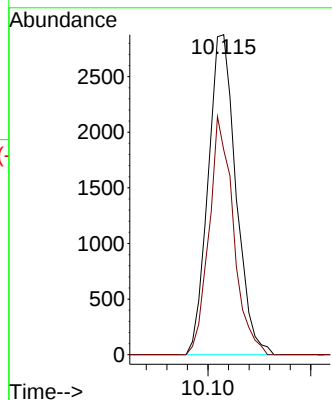
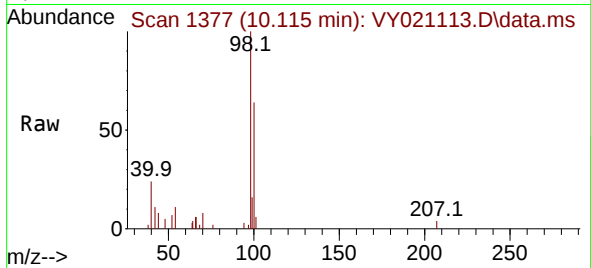




#50
Toluene-d8
Concen: 46.149 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

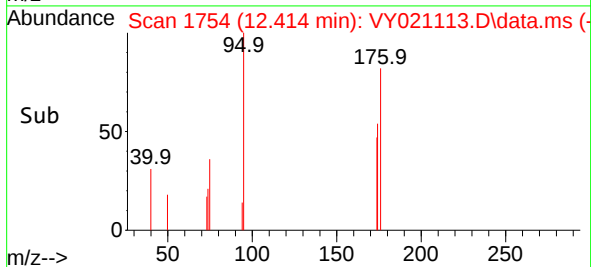
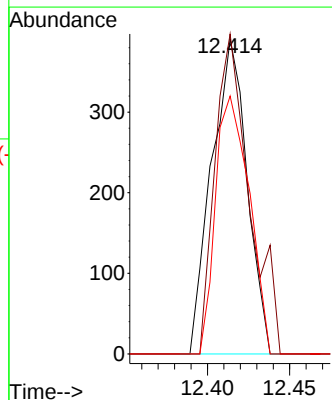
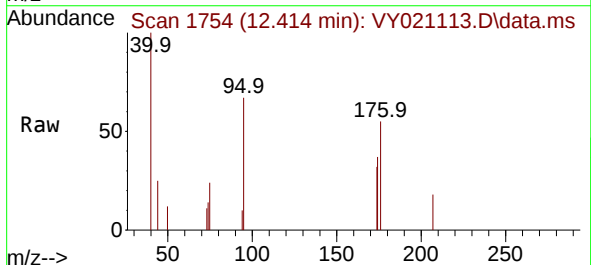
Instrument :
MSVOA_Y
ClientSampleId :
BAY-DRUMS-A

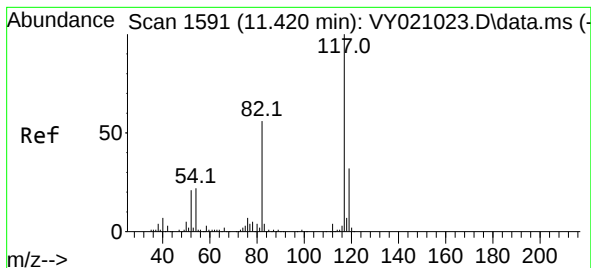
Tgt Ion: 98 Resp: 5426
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.178 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 95 Resp: 583
Ion Ratio Lower Upper
95 100
174 98.5 0.0 160.0
176 78.2 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: VY021113.D

Acq: 06 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

BAY-DRUMS-A

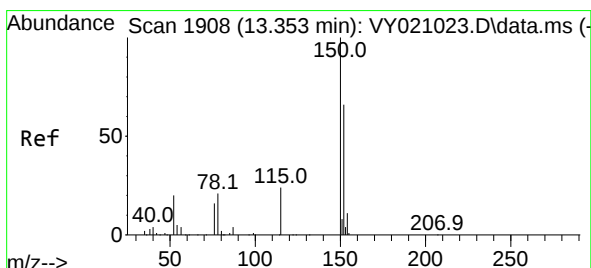
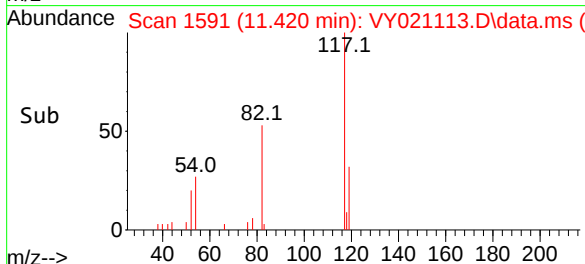
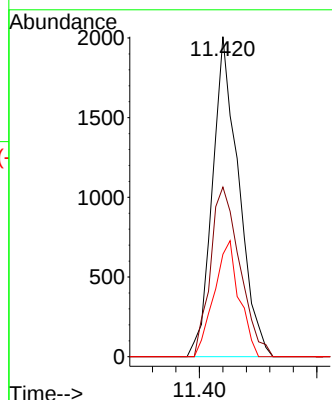
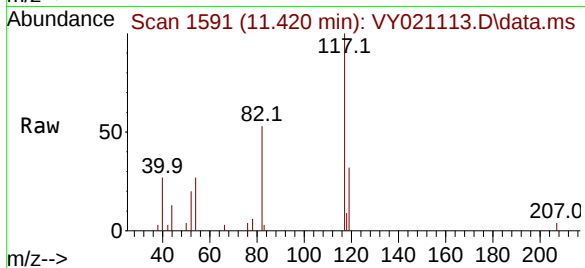
Tgt Ion:117 Resp: 3112

Ion Ratio Lower Upper

117 100

82 53.0 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: VY021113.D

Acq: 06 Feb 2025 15:58

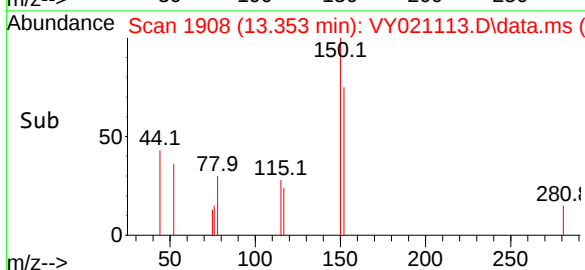
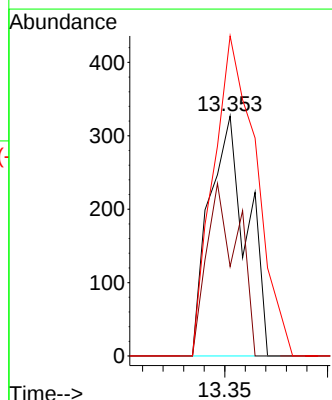
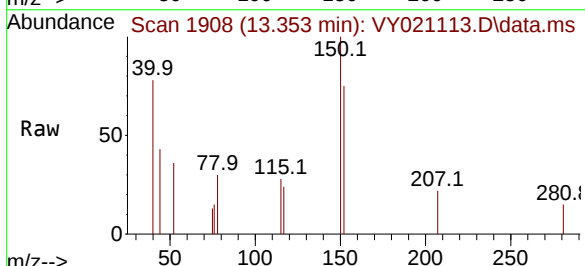
Tgt Ion:152 Resp: 413

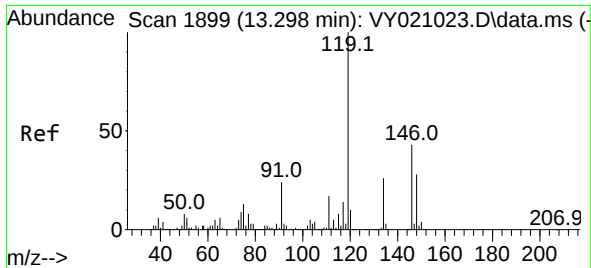
Ion Ratio Lower Upper

152 100

115 60.8 30.0 90.0

150 153.0 0.0 344.6





#86
 p-Isopropyltoluene
 Concen: 36.337 ug/l
 RT: 13.298 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY021113.D
 Acq: 06 Feb 2025 15:58

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 MSVOA_Y
 ClientSampleId :
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Tgt Ion:	119	Resp:	1033
Ion	Ratio	Lower	Upper
119	100		
134	18.3	13.1	39.1
91	21.2	11.7	35.0

