

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021221.D
 Acq On : 17 Feb 2025 14:51
 Operator : SY/MD
 Sample : Q1365-04
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-213

Quant Time: Feb 18 00:48:15 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	1250	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	1739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	504	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	195	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	729	56.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.840%
35) Dibromofluoromethane	7.640	113	768	68.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	137.820%
50) Toluene-d8	10.115	98	1436	33.845	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	67.700%
62) 4-Bromofluorobenzene	12.414	95	225	16.232	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	32.460%

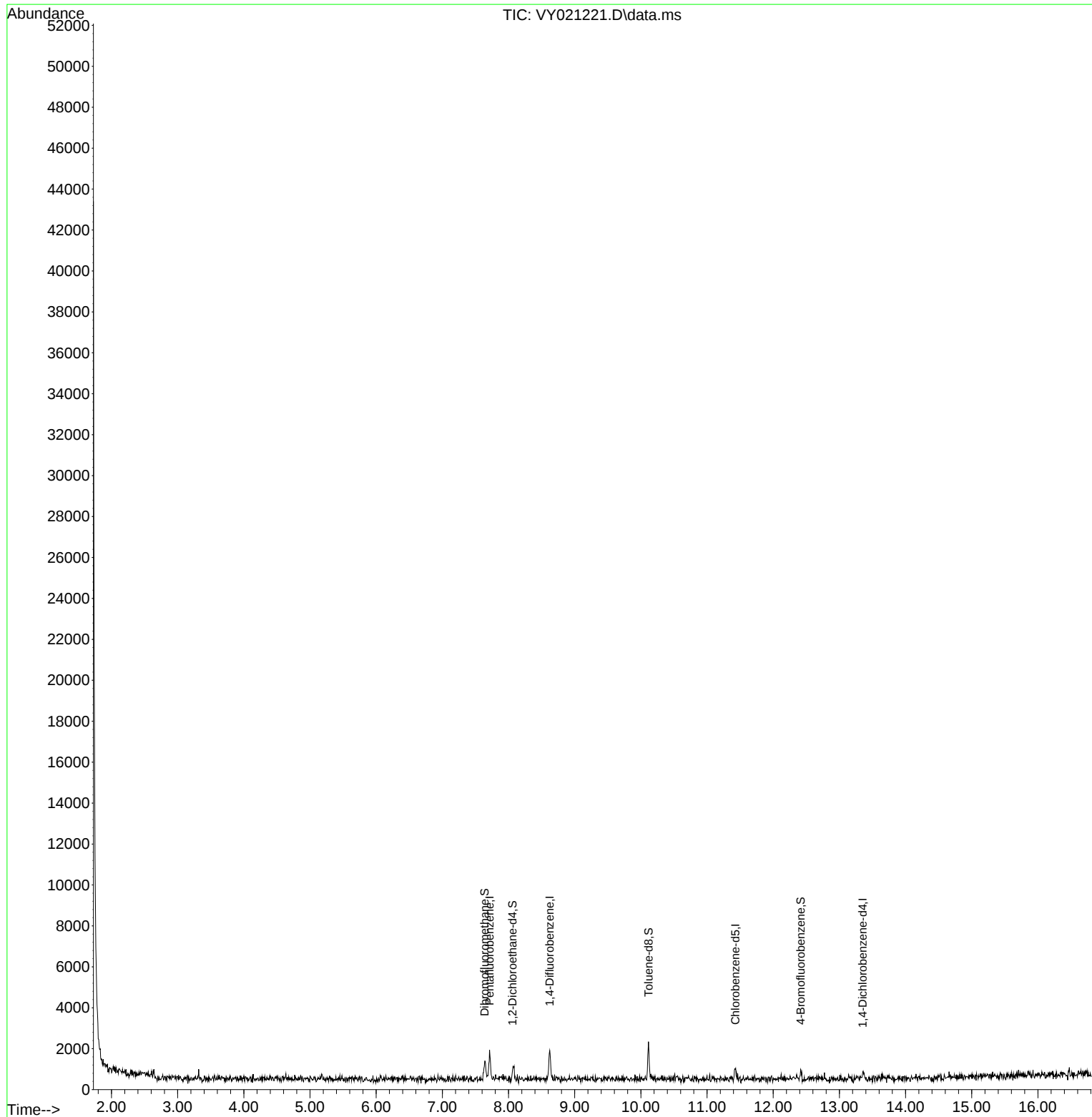
Target Compounds	Qvalue

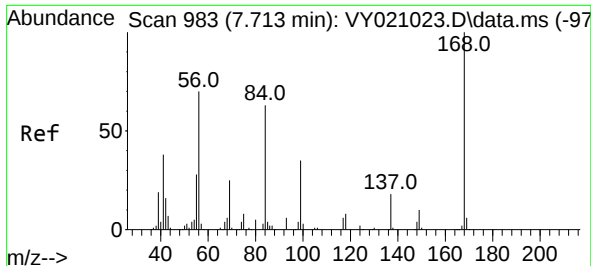
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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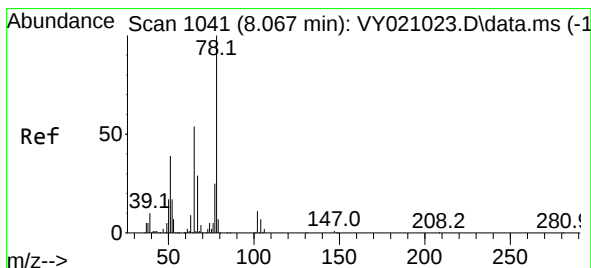
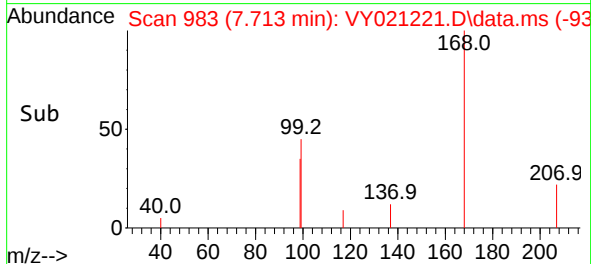
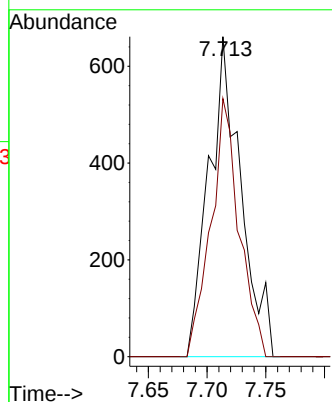
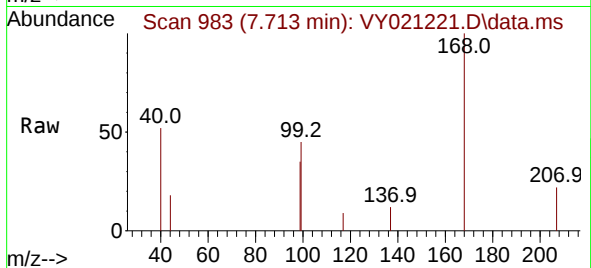




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021221.D
Acq: 17 Feb 2025 14:51

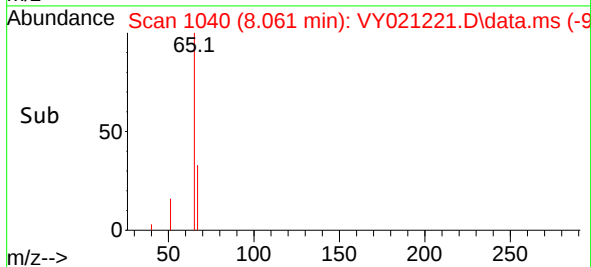
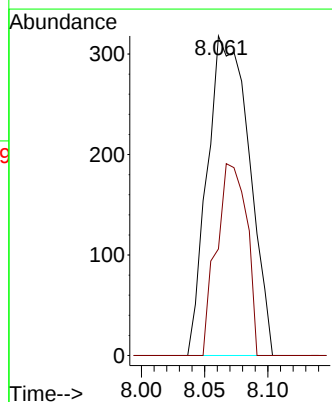
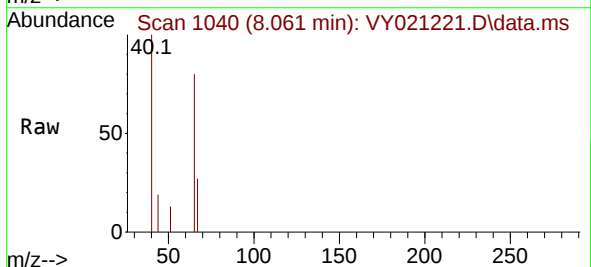
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-213

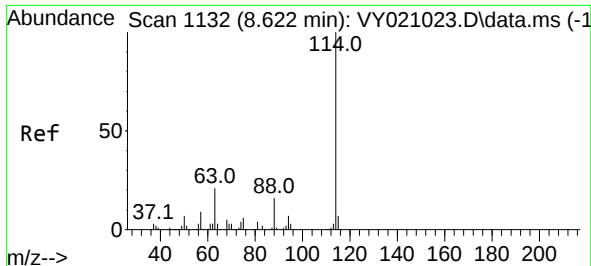
Tgt Ion:168 Resp: 1250
Ion Ratio Lower Upper
168 100
99 80.6 44.2 66.4#



#33
1,2-Dichloroethane-d4
Concen: 56.921 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021221.D
Acq: 17 Feb 2025 14:51

Tgt Ion: 65 Resp: 729
Ion Ratio Lower Upper
65 100
67 43.3 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: VY021221.D

Acq: 17 Feb 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-213

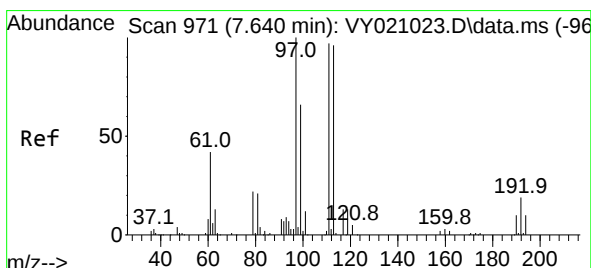
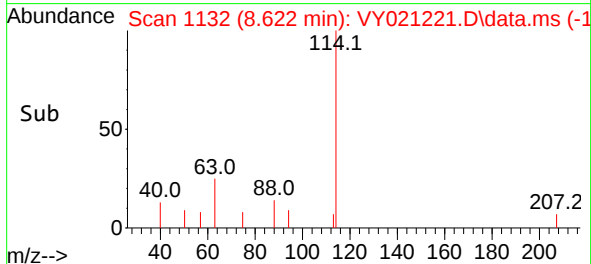
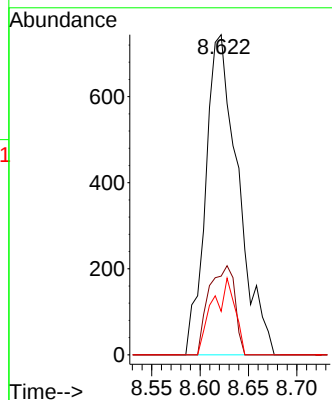
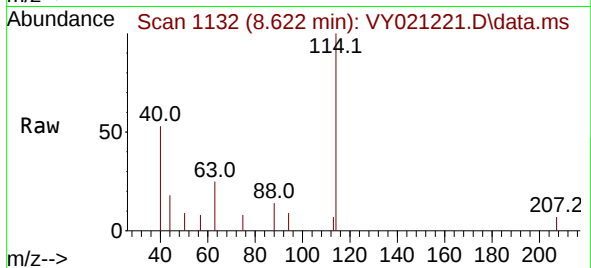
Tgt Ion:114 Resp: 1739

Ion Ratio Lower Upper

114 100

63 24.6 0.0 37.4

88 13.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 68.912 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021221.D

Acq: 17 Feb 2025 14:51

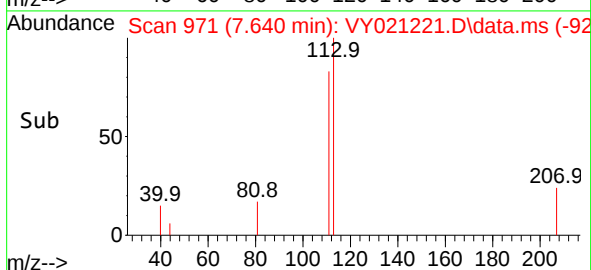
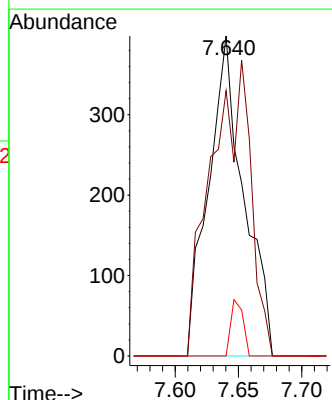
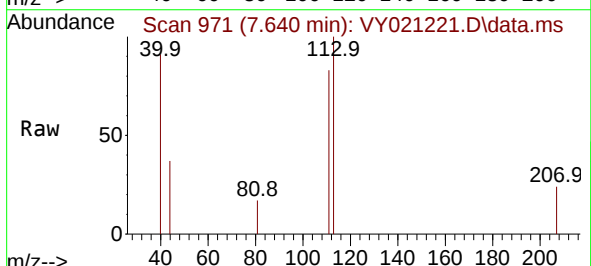
Tgt Ion:113 Resp: 768

Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 6.0 14.5 21.7#

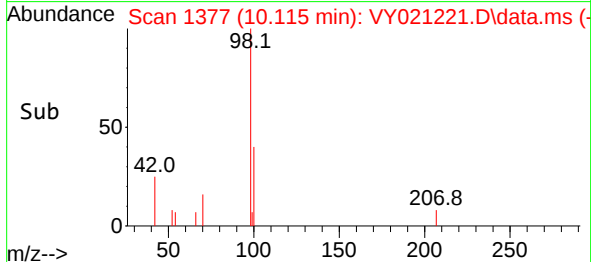
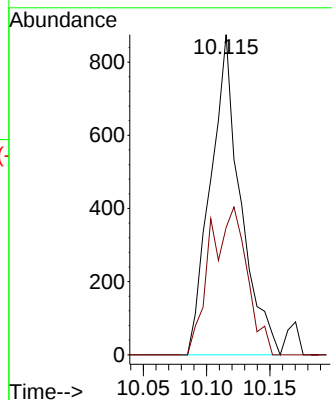
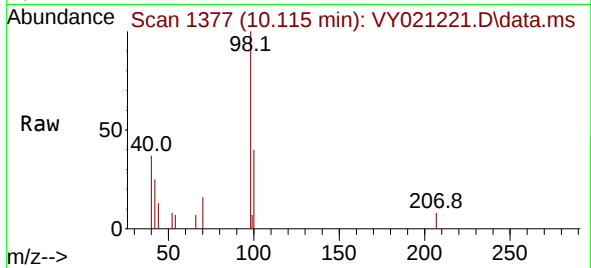




#50
Toluene-d8
Concen: 33.845 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021221.D
Acq: 17 Feb 2025 14:51

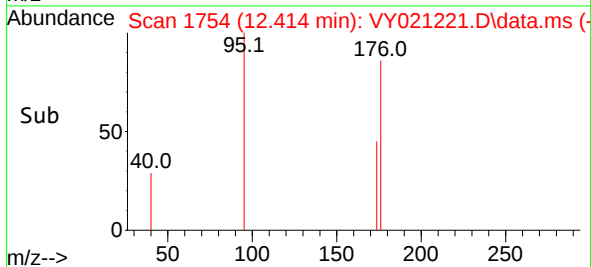
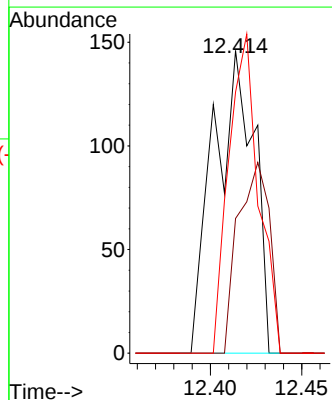
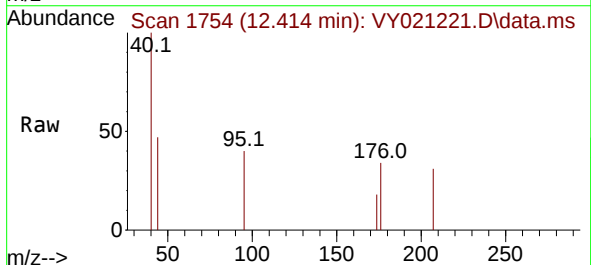
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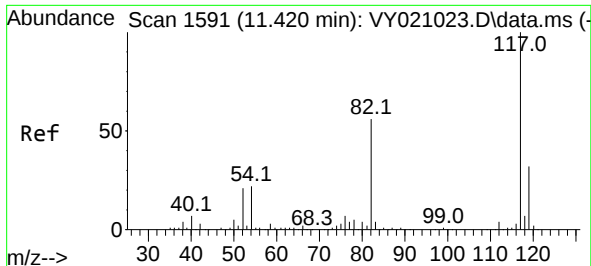
Tgt Ion: 98 Resp: 1436
Ion Ratio Lower Upper
98 100
100 57.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 16.232 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021221.D
Acq: 17 Feb 2025 14:51

Tgt Ion: 95 Resp: 225
Ion Ratio Lower Upper
95 100
174 48.9 0.0 160.0
176 77.8 0.0 151.8

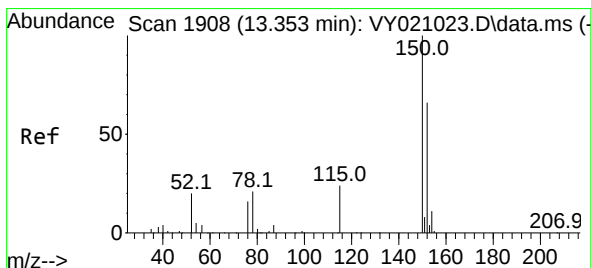
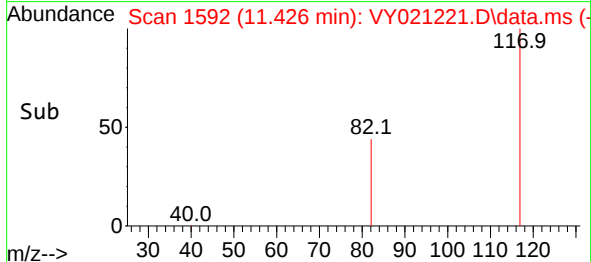
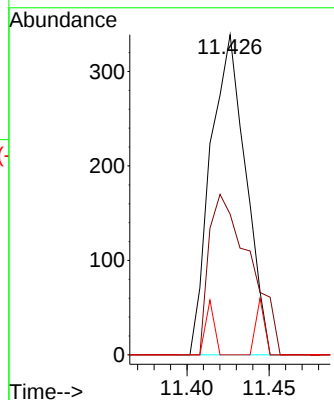
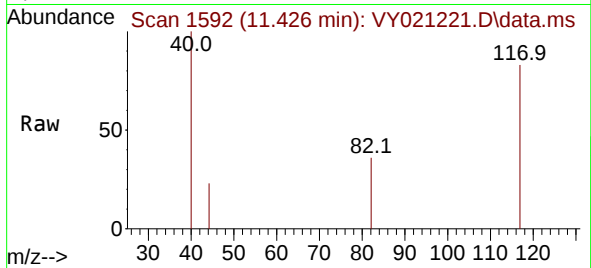




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.426 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY021221.D
 Acq: 17 Feb 2025 14:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-213

Tgt Ion:117	Resp:	504
Ion	Ratio	Lower Upper
117	100	
82	44.0	43.8 65.8
119	0.0	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: VY021221.D
 Acq: 17 Feb 2025 14:51

Tgt Ion:152	Resp:	195
Ion	Ratio	Lower Upper
152	100	
115	10.3	30.0 90.0#
150	141.0	0.0 344.6

