

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021010.D
 Acq On : 31 Jan 2025 15:22
 Operator : SY/MD
 Sample : Q1239-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR22266

Quant Time: Jan 31 22:25:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	649	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248	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	301	54.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.940%	
35) Dibromofluoromethane	7.640	113	374	70.057	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.120%	
50) Toluene-d8	10.115	98	402	19.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 38.580%#	
62) 4-Bromofluorobenzene	12.414	95	91	13.015	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 26.040%#	

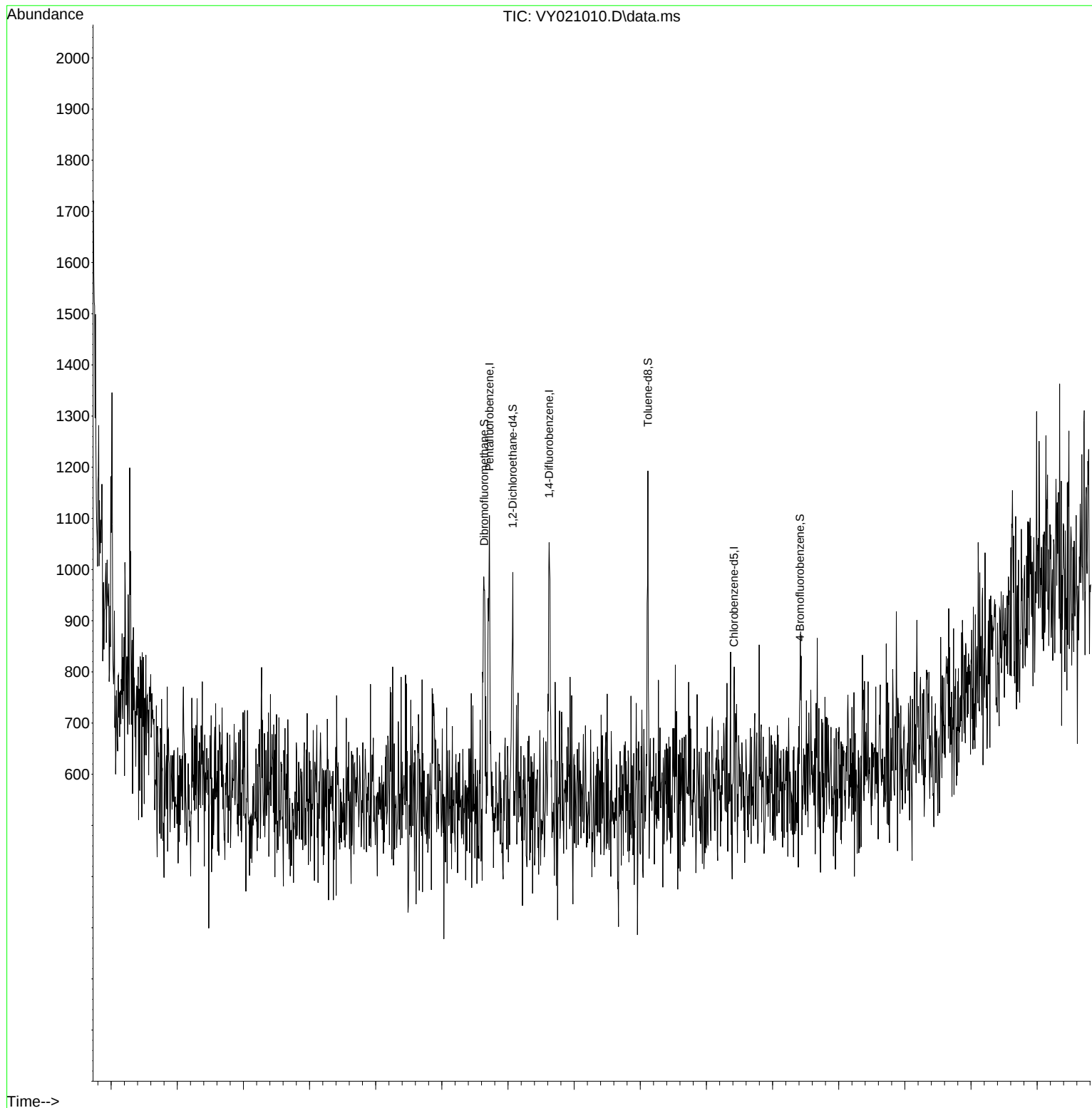
Target Compounds Qvalue

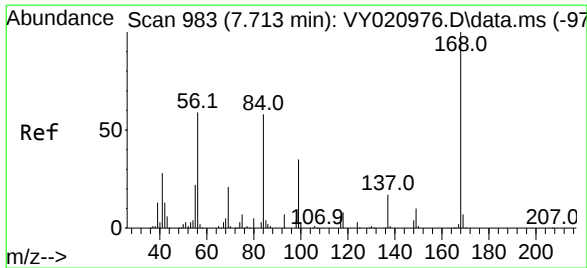
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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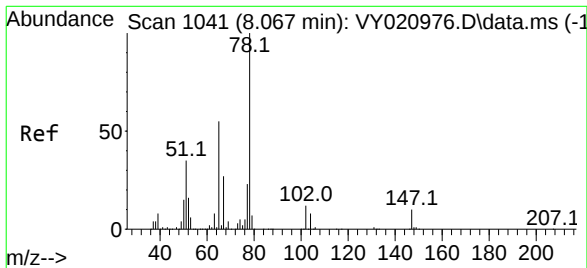
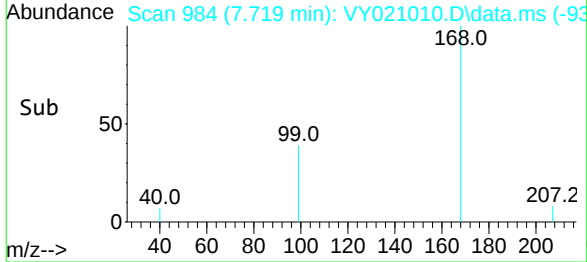
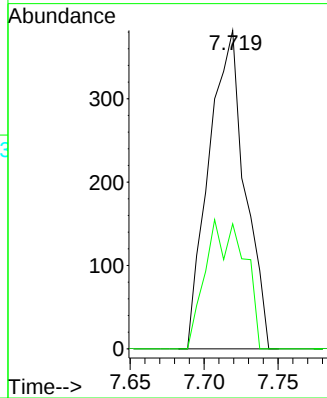
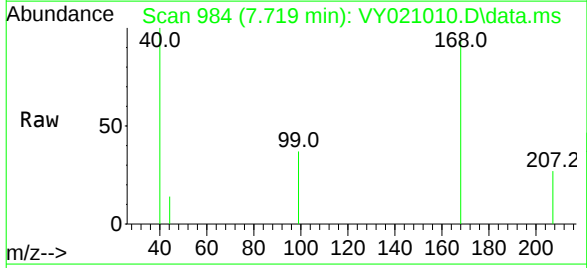




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

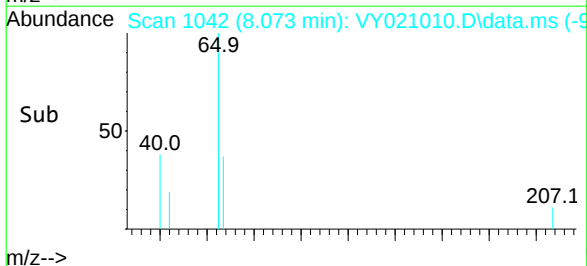
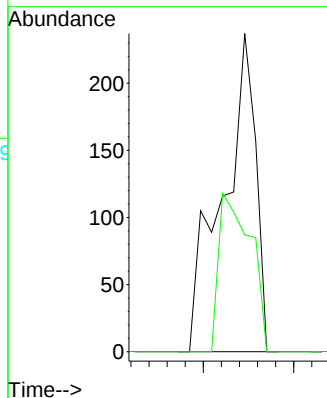
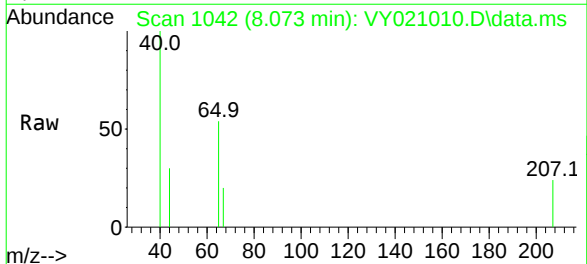
Instrument :
MSVOA_Y
ClientSampleId :
RBR22266

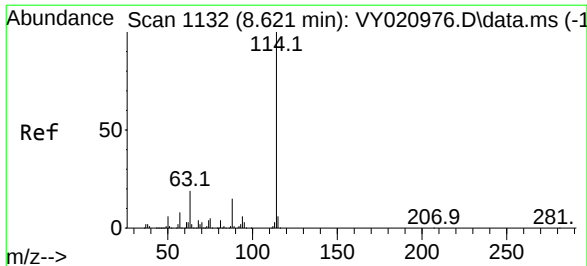
Tgt Ion:168 Resp: 649
Ion Ratio Lower Upper
168 100
99 39.3 42.2 63.2#



#33
1,2-Dichloroethane-d4
Concen: 54.473 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

Tgt Ion: 65 Resp: 301
Ion Ratio Lower Upper
65 100
67 47.8 0.0 104.4

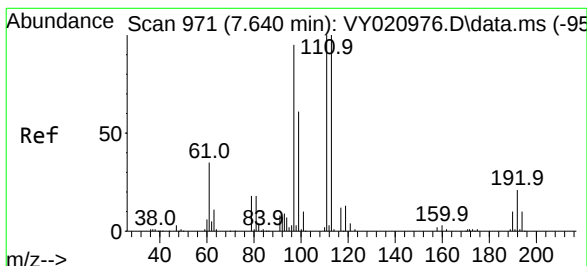
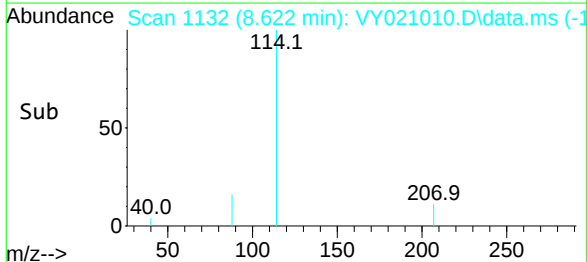
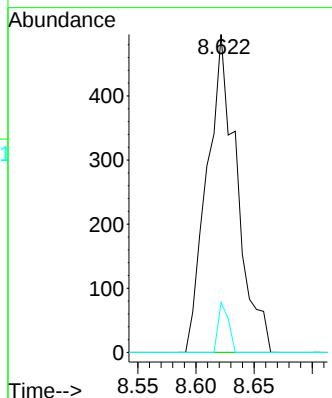
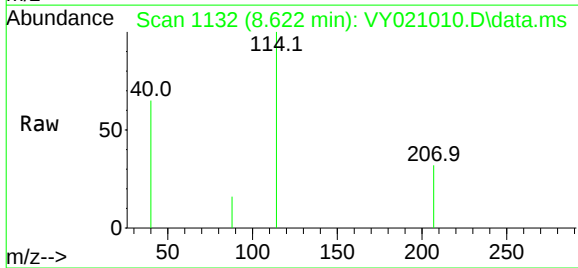




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

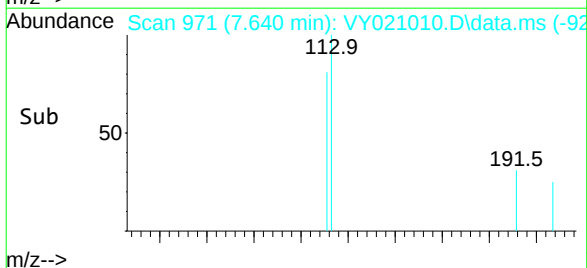
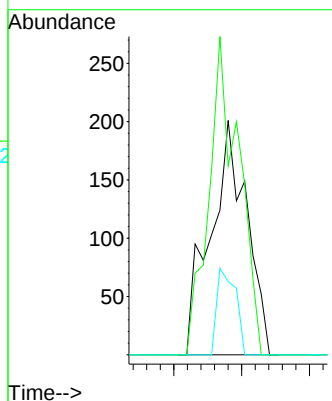
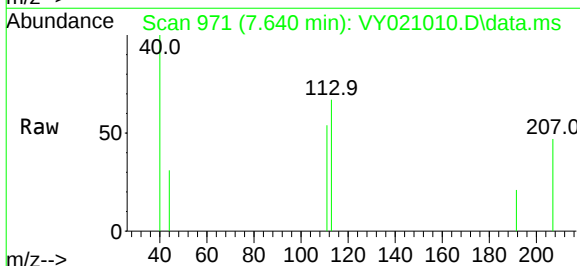
Instrument :
MSVOA_Y
ClientSampleId :
RBR22266

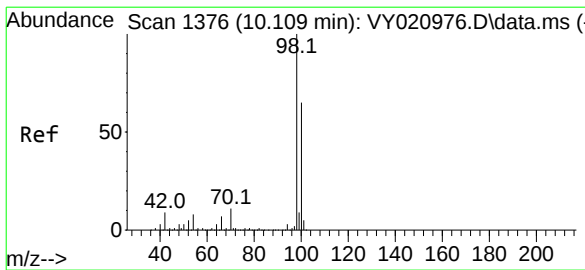
Tgt Ion:	114	Resp:	888
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	37.2
88	15.7	0.0	29.6



#35
Dibromofluoromethane
Concen: 70.057 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY021010.D
Acq: 31 Jan 2025 15:22

Tgt Ion:	113	Resp:	374
Ion	Ratio	Lower	Upper
113	100		
111	112.6	82.6	123.8
192	19.0	16.8	25.2





#50

Toluene-d8

Concen: 19.293 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

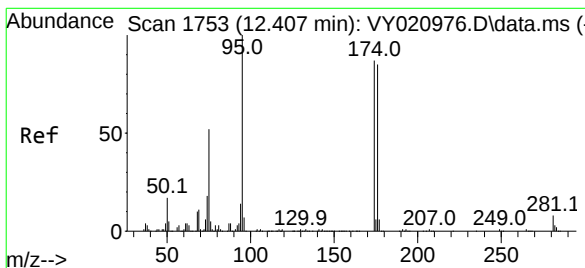
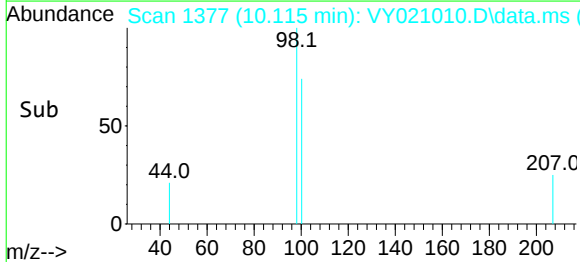
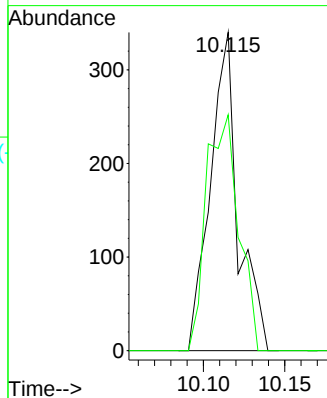
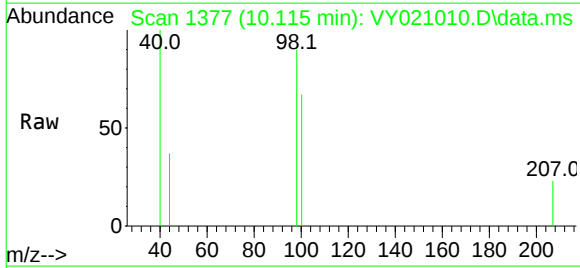
RBR22266

Tgt Ion: 98 Resp: 402

Ion Ratio Lower Upper

98 100

100 87.1 52.6 79.0#



#62

4-Bromofluorobenzene

Concen: 13.015 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

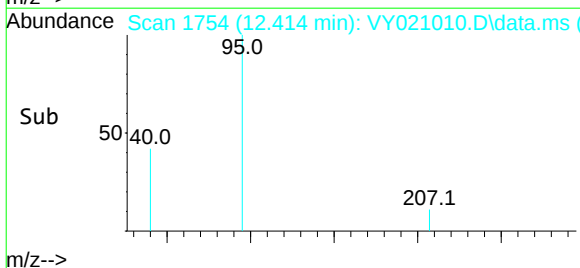
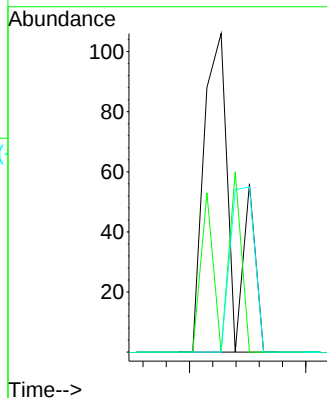
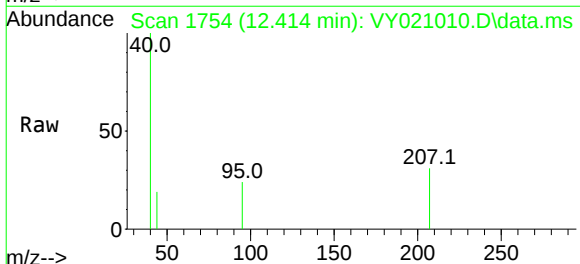
Tgt Ion: 95 Resp: 91

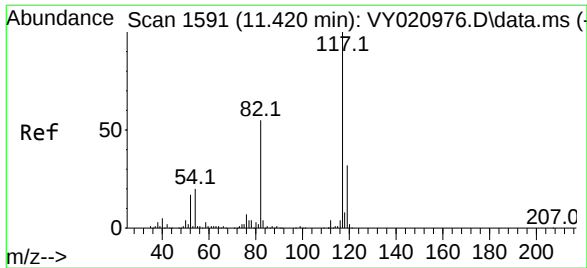
Ion Ratio Lower Upper

95 100

174 20.9 0.0 181.2

176 44.0 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

RBR22266

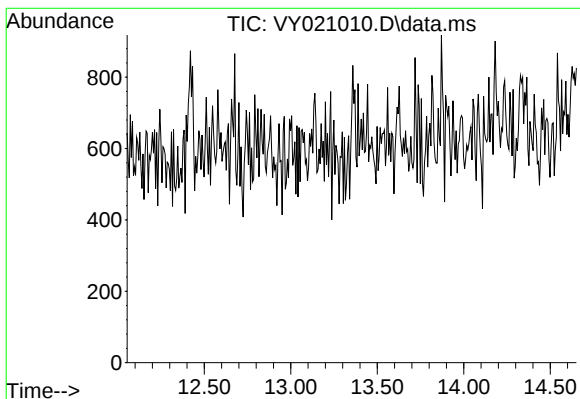
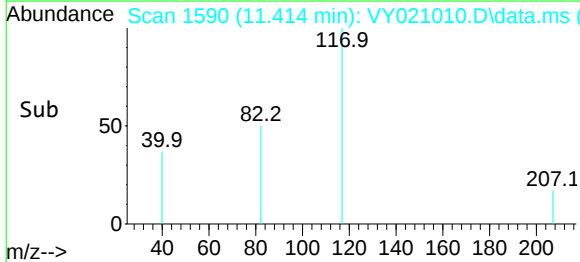
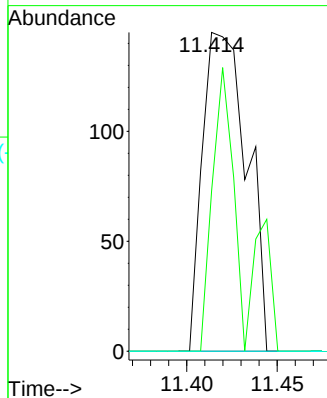
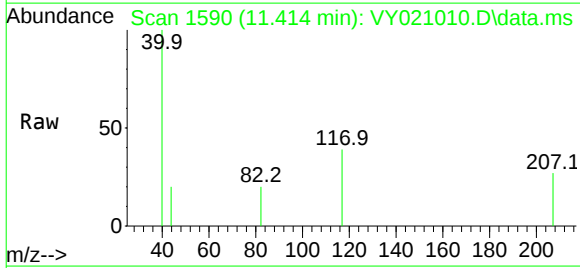
Tgt Ion:117 Resp: 248

Ion Ratio Lower Upper

117 100

82 50.3 44.2 66.2

119 0.0 25.9 38.9#



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 13.35 min

Lab File: VY021010.D

Acq: 31 Jan 2025 15:22

Tgt Ion: 152

Sig Exp Ratio

152 100

115 56.8

150 171.4

