

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021440.D
 Acq On : 06 Mar 2025 17:22
 Operator : SY/MD
 Sample : Q1488-11
 Misc : 6.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-104-SB02

Quant Time: Mar 07 00:41:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	243	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	8.055	65	521	51.997	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.000%
35) Dibromofluoromethane	7.646	113	539	83.845	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	167.680%#
50) Toluene-d8	10.109	98	746	30.649	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	61.300%
62) 4-Bromofluorobenzene	12.426	95	63	7.609	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	15.220%#

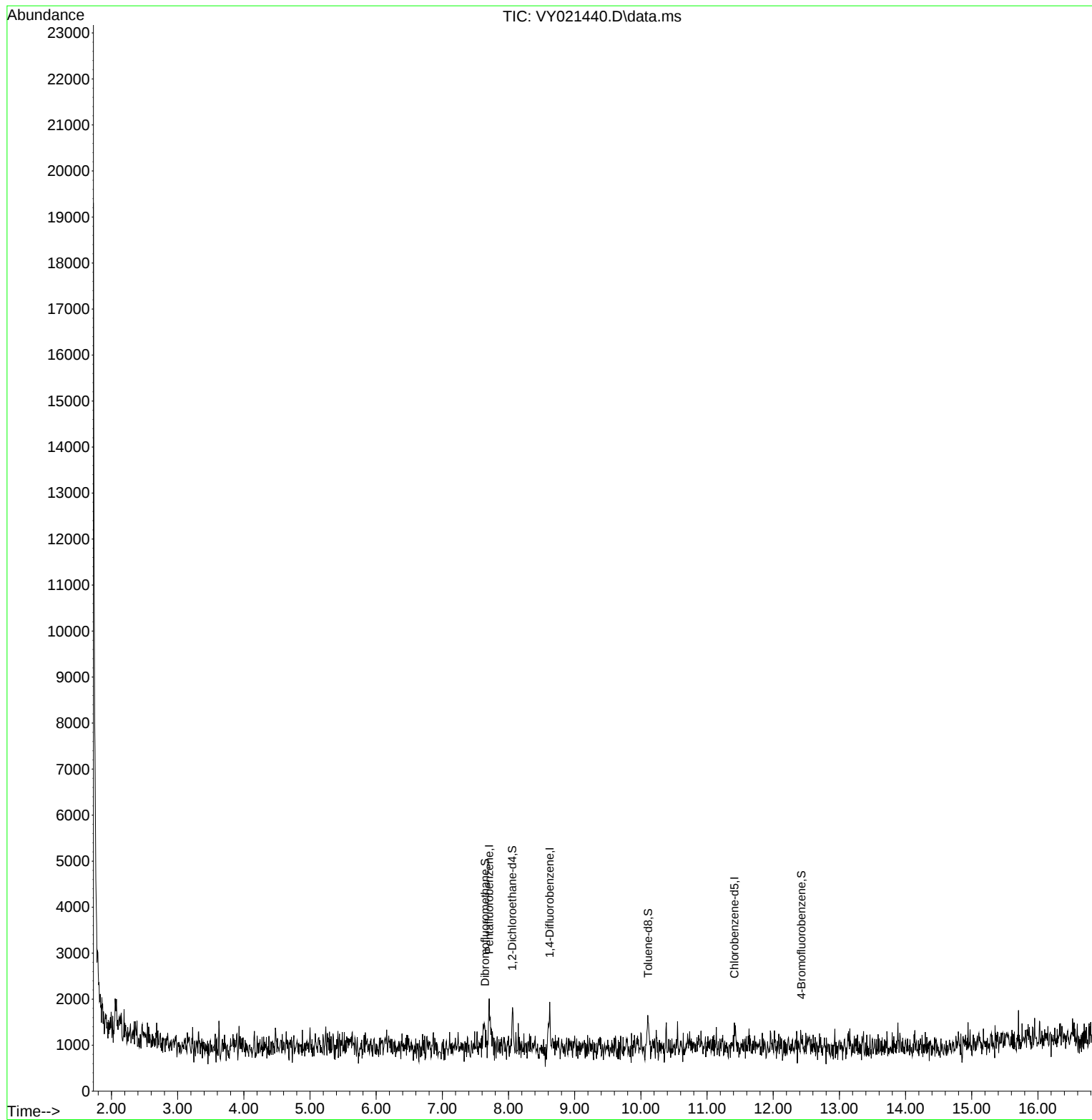
Target Compounds	Qvalue

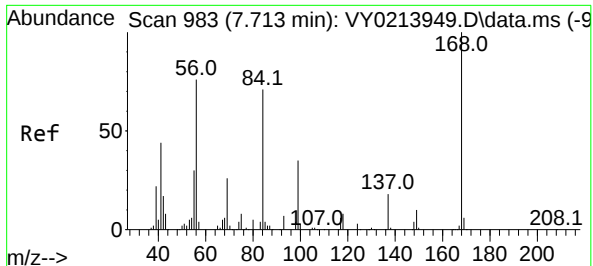
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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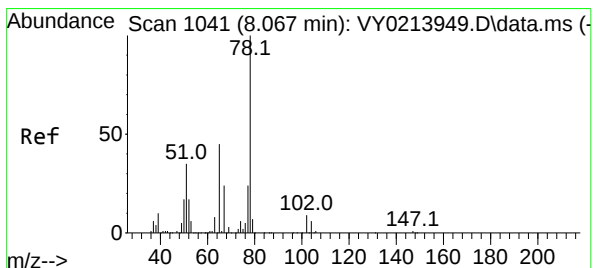
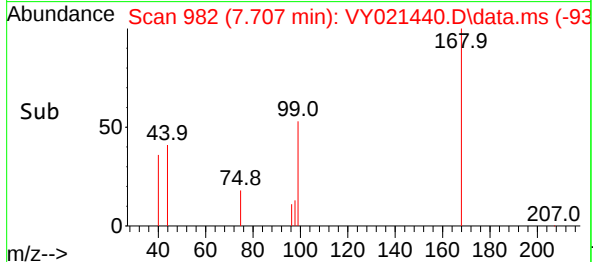
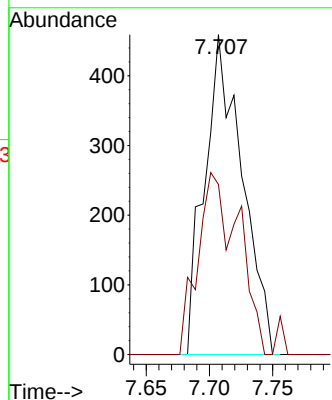
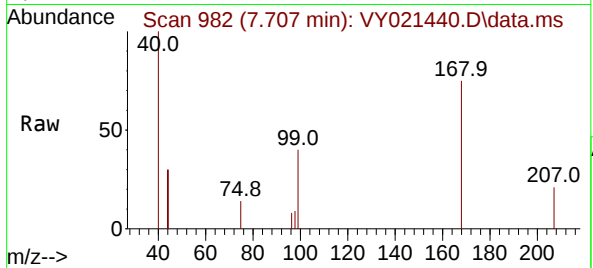




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021440.D
Acq: 06 Mar 2025 17:22

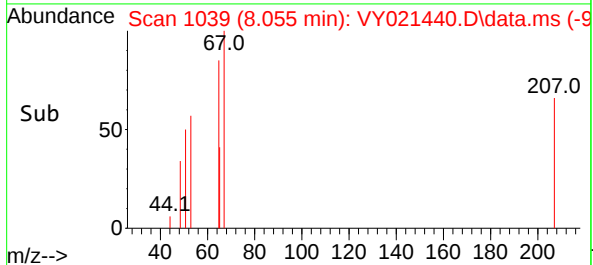
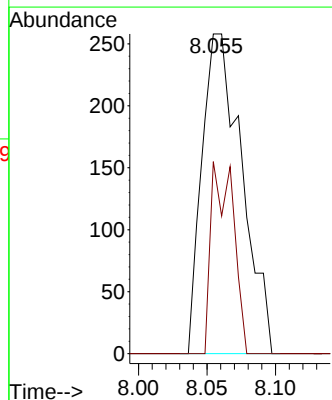
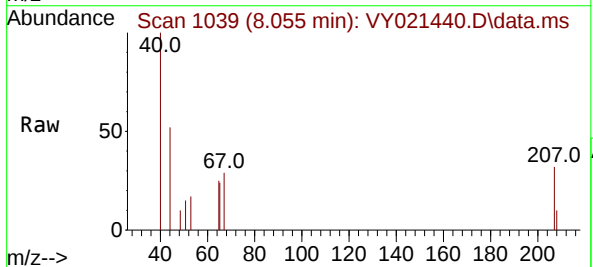
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

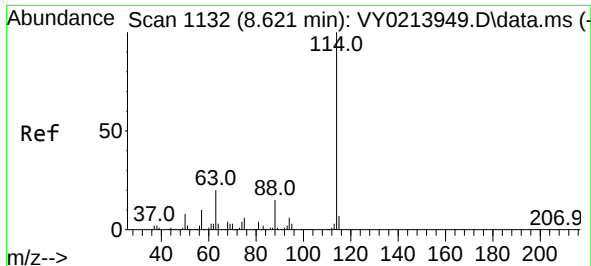
Tgt Ion:168 Resp: 948
Ion Ratio Lower Upper
168 100
99 53.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 51.997 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021440.D
Acq: 06 Mar 2025 17:22

Tgt Ion: 65 Resp: 521
Ion Ratio Lower Upper
65 100
67 33.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY021440.D

Acq: 06 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB02

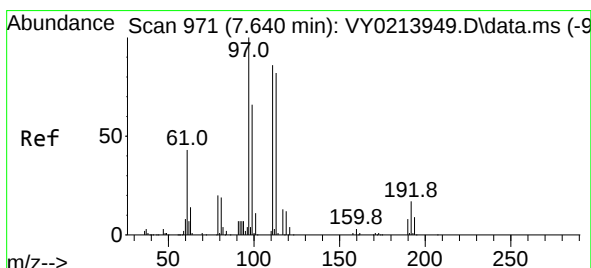
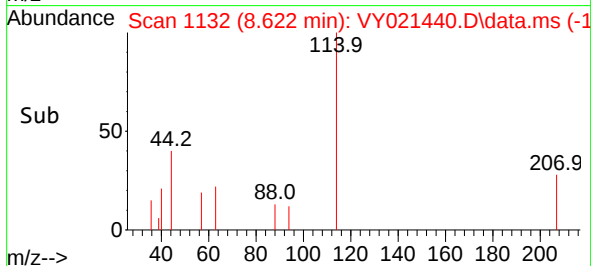
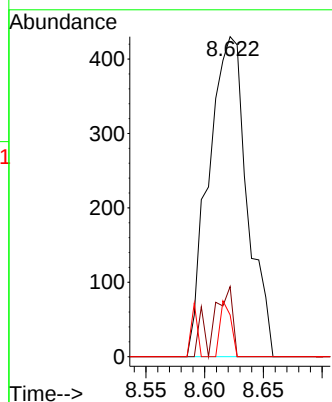
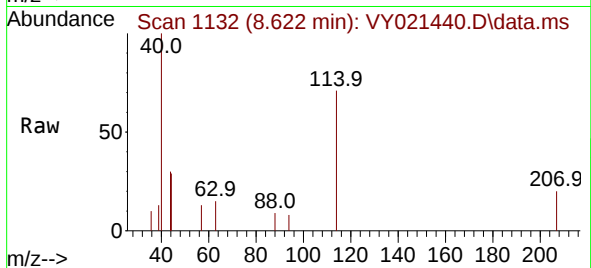
Tgt Ion:114 Resp: 978

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

88 13.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 83.845 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021440.D

Acq: 06 Mar 2025 17:22

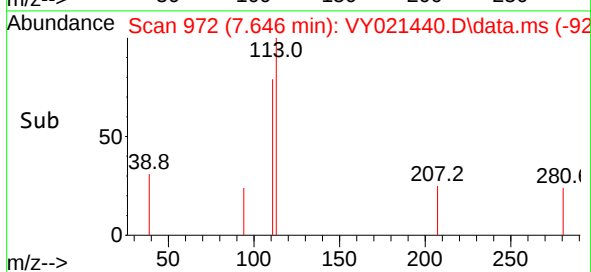
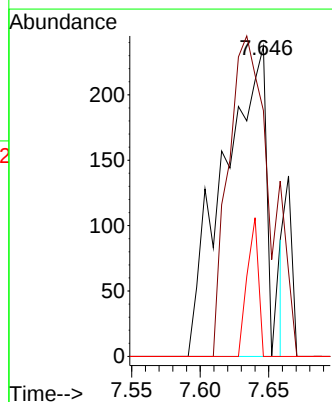
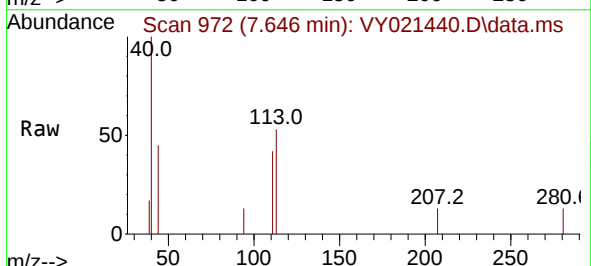
Tgt Ion:113 Resp: 539

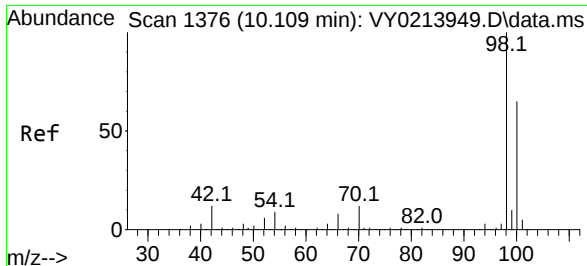
Ion Ratio Lower Upper

113 100

111 96.1 82.0 123.0

192 11.3 15.9 23.9#

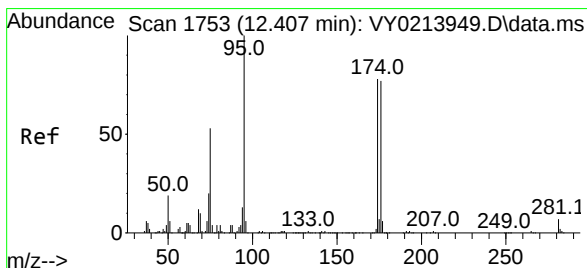
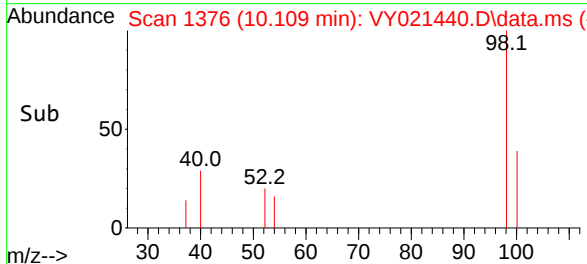
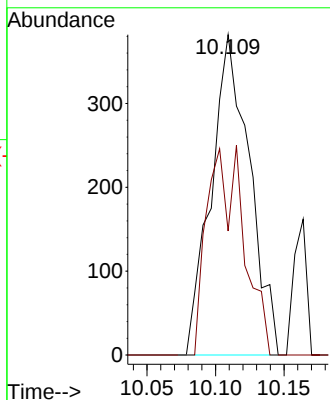
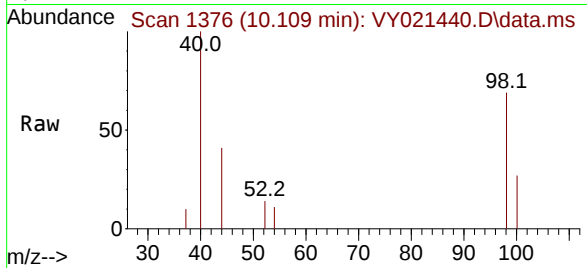




#50
Toluene-d8
Concen: 30.649 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021440.D
Acq: 06 Mar 2025 17:22

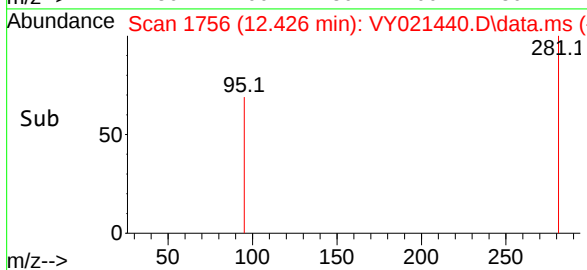
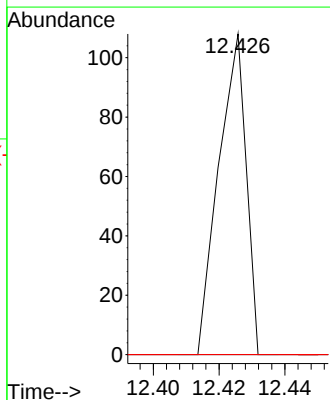
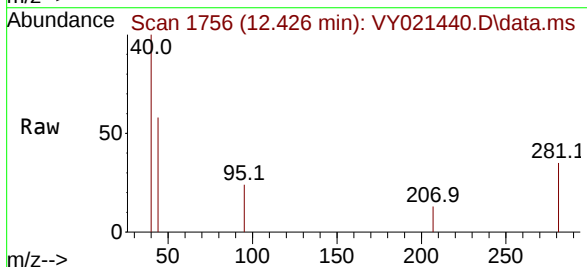
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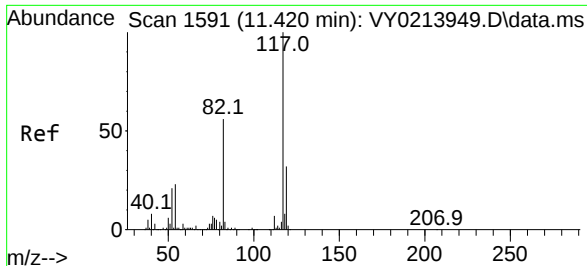
Tgt Ion: 98 Resp: 746
Ion Ratio Lower Upper
98 100
100 61.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 7.609 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VY021440.D
Acq: 06 Mar 2025 17:22

Tgt Ion: 95 Resp: 63
Ion Ratio Lower Upper
95 100
174 0.0 0.0 165.0
176 0.0 0.0 160.0

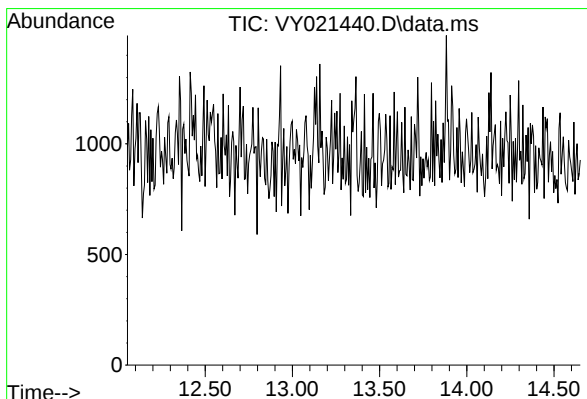
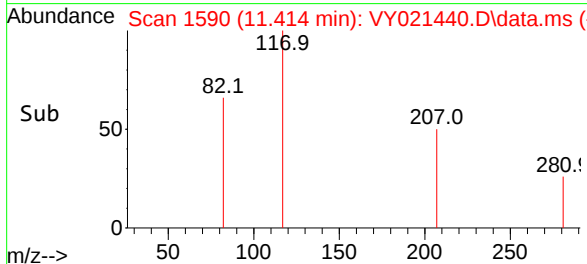
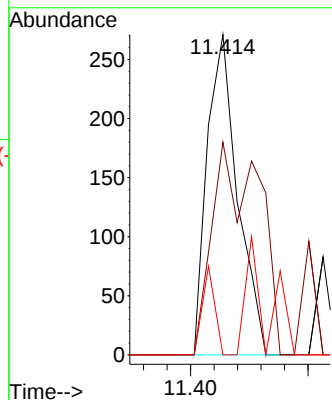
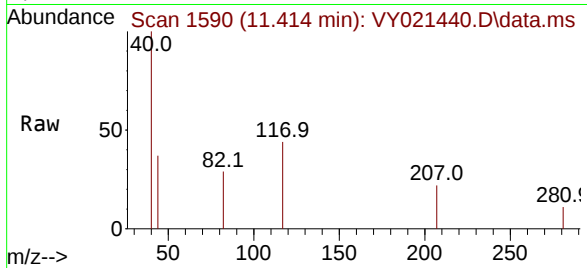




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021440.D
Acq: 06 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Tgt Ion:117 Resp: 243
Ion Ratio Lower Upper
117 100
82 66.4 44.6 67.0
119 0.0 25.4 38.0#



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

Lab File: VY021440.D
Acq: 06 Mar 2025 17:22

Tgt Ion: 152
Sig Exp Ratio
152 100
115 58.0
150 173.6

