

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021464.D
 Acq On : 07 Mar 2025 16:25
 Operator : SY/MD
 Sample : Q1514-05
 Misc : 7.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-103-SB01

Quant Time: Mar 07 22:02:41 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	143871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	251494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	79219	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87311	57.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.840%
35) Dibromofluoromethane	7.634	113	86506	52.329	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.660%
50) Toluene-d8	10.109	98	303113	48.427	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.408	95	83801	39.359	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.720%

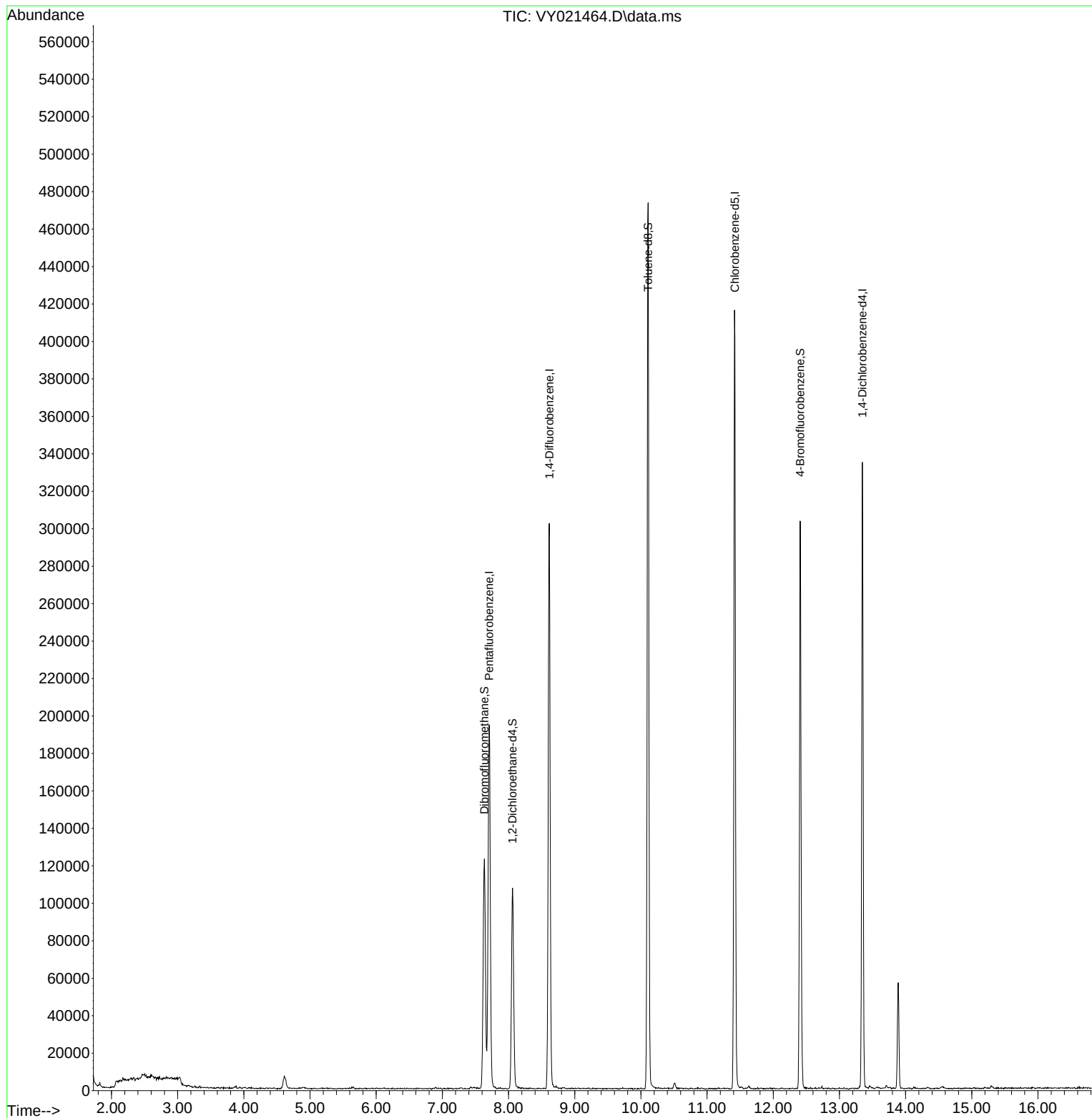
Target Compounds	Qvalue

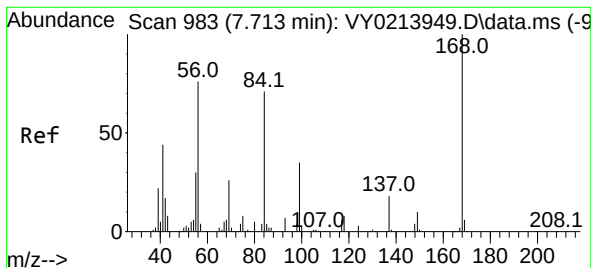
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021464.D

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Instrument :

MSVOA_Y

ClientSampleId :

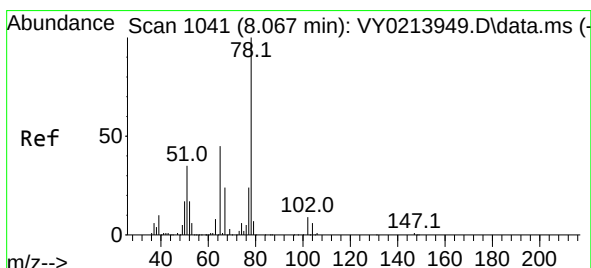
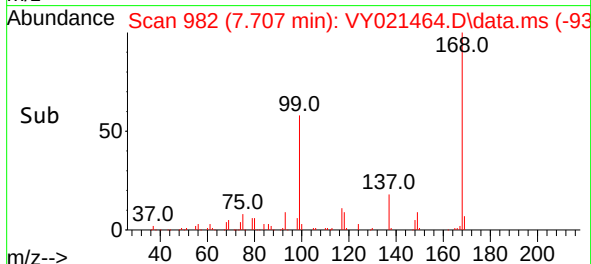
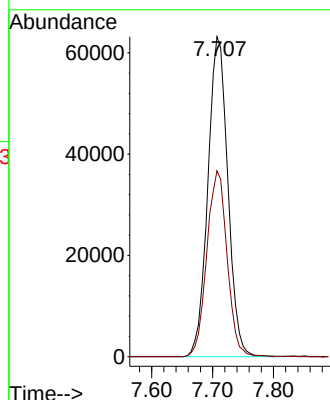
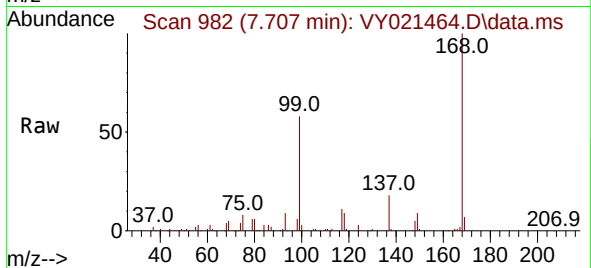
ENV-103-SB01

Tgt Ion:168 Resp: 143871

Ion Ratio Lower Upper

168 100

99 58.1 46.0 69.0



#33

1,2-Dichloroethane-d4

Concen: 57.418 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021464.D

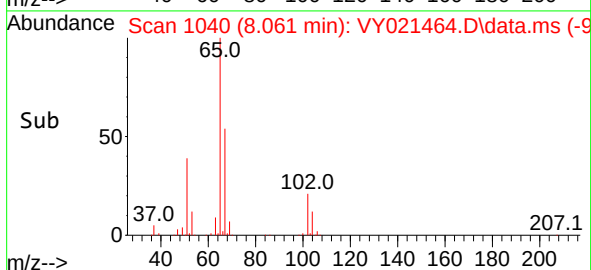
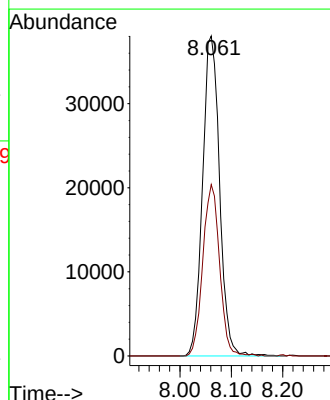
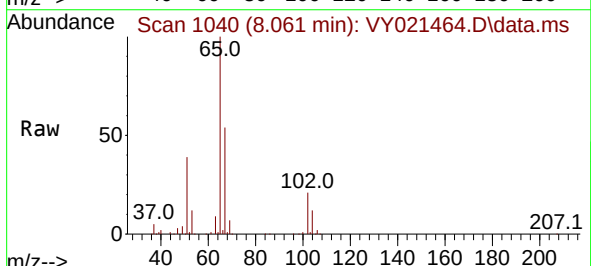
Acq: 07 Mar 2025 16:25

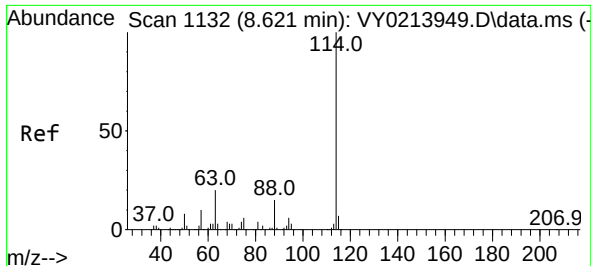
Tgt Ion: 65 Resp: 87311

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021464.D

Acq: 07 Mar 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

ENV-103-SB01

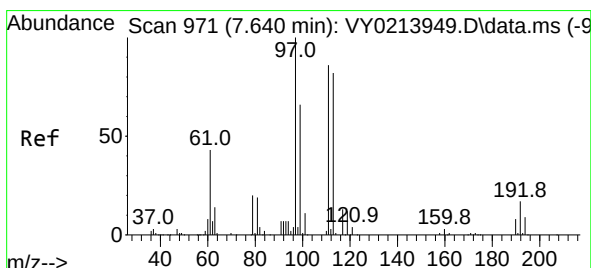
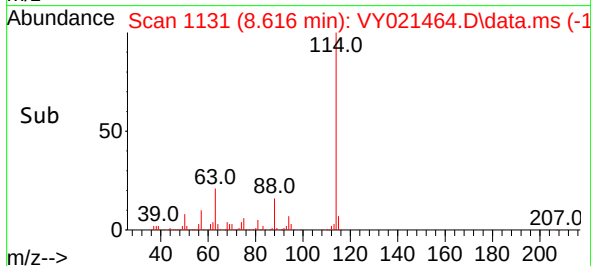
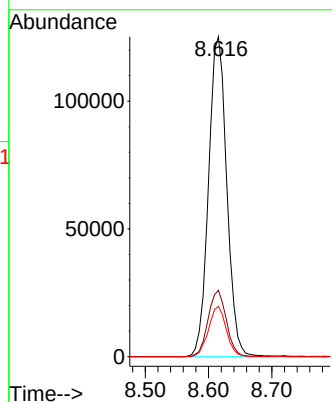
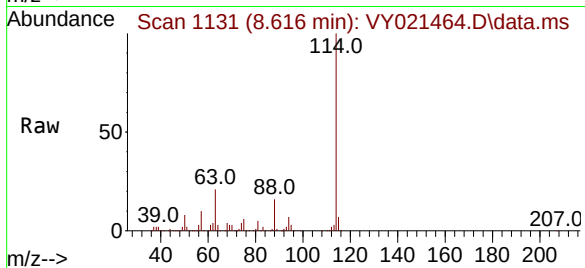
Tgt Ion:114 Resp: 251494

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.329 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021464.D

Acq: 07 Mar 2025 16:25

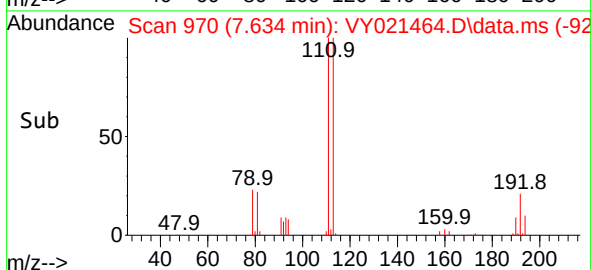
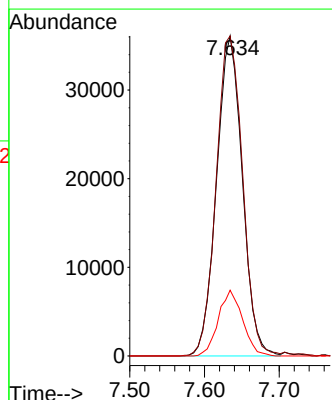
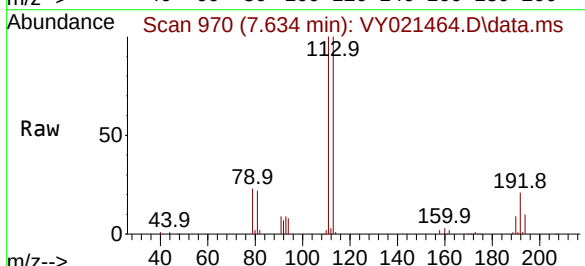
Tgt Ion:113 Resp: 86506

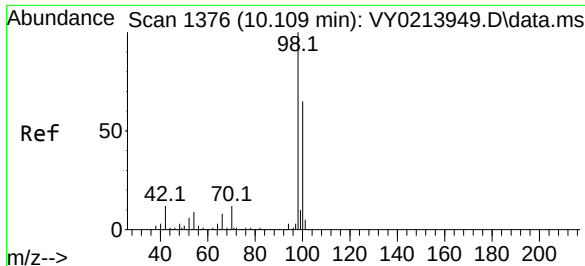
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.4 15.9 23.9

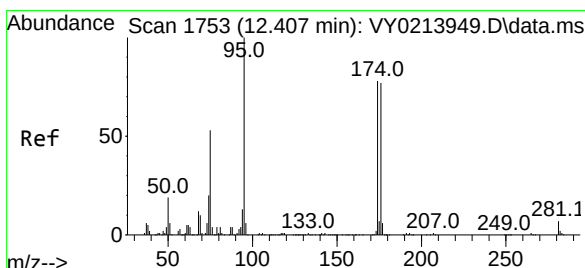
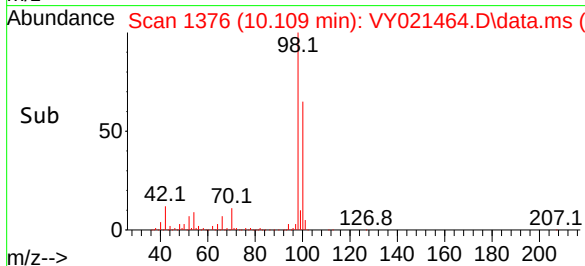
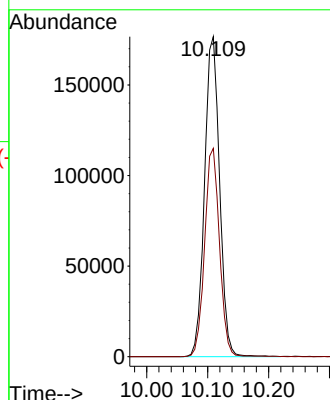
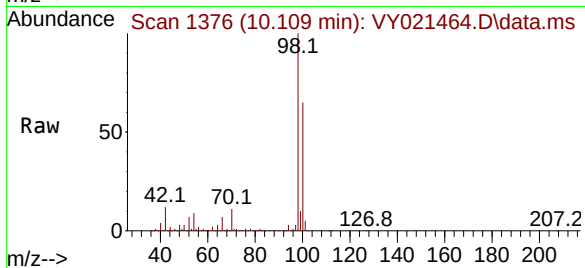




#50
Toluene-d8
Concen: 48.427 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

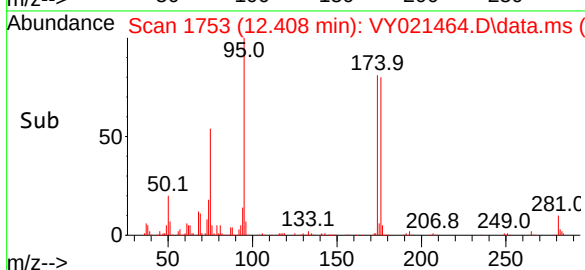
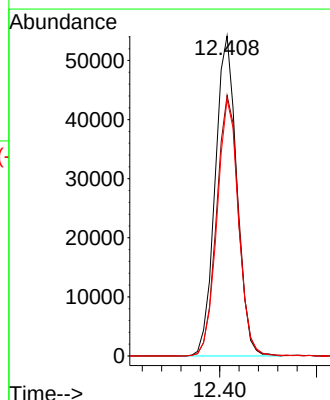
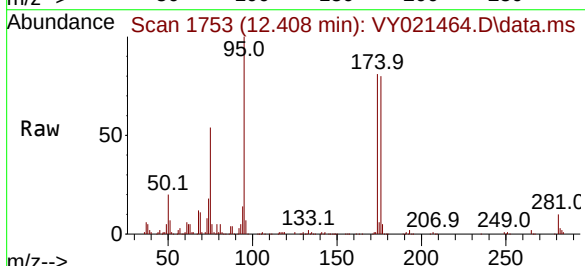
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

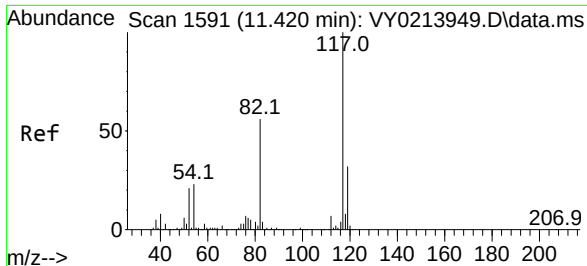
Tgt Ion: 98 Resp: 303113
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 39.359 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion: 95 Resp: 83801
Ion Ratio Lower Upper
95 100
174 83.1 0.0 165.0
176 79.8 0.0 160.0

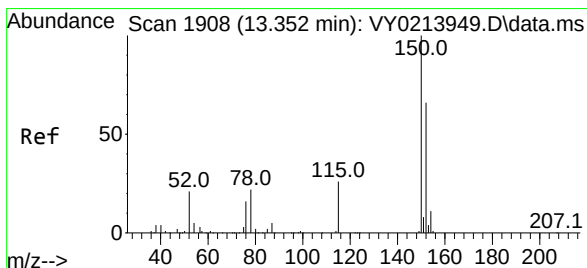
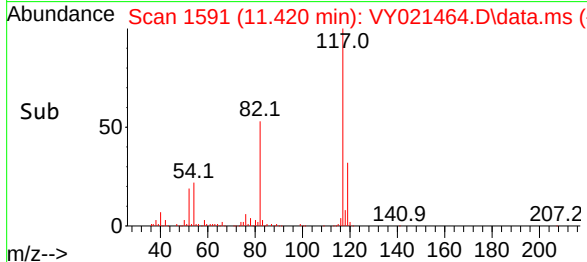
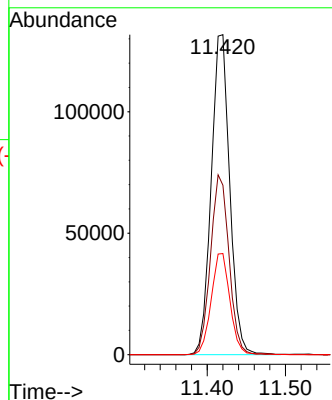
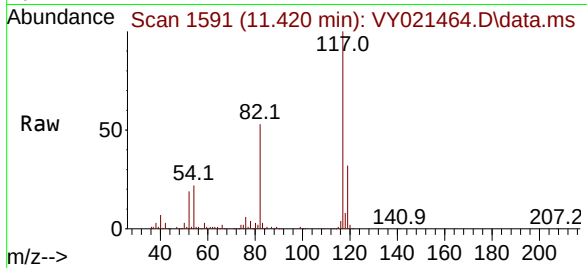




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion:117 Resp: 216148
Ion Ratio Lower Upper
117 100
82 52.9 44.6 67.0
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021464.D
Acq: 07 Mar 2025 16:25

Tgt Ion:152 Resp: 79219
Ion Ratio Lower Upper
152 100
115 59.0 29.0 87.0
150 157.6 0.0 347.2

