

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022259.D
 Acq On : 15 May 2025 12:34
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 16 01:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	370240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	643452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	512184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	186798	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	205860	50.875	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.760%
35) Dibromofluoromethane	7.634	113	193643	50.421	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.109	98	769774	48.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.408	95	205688	41.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.520%

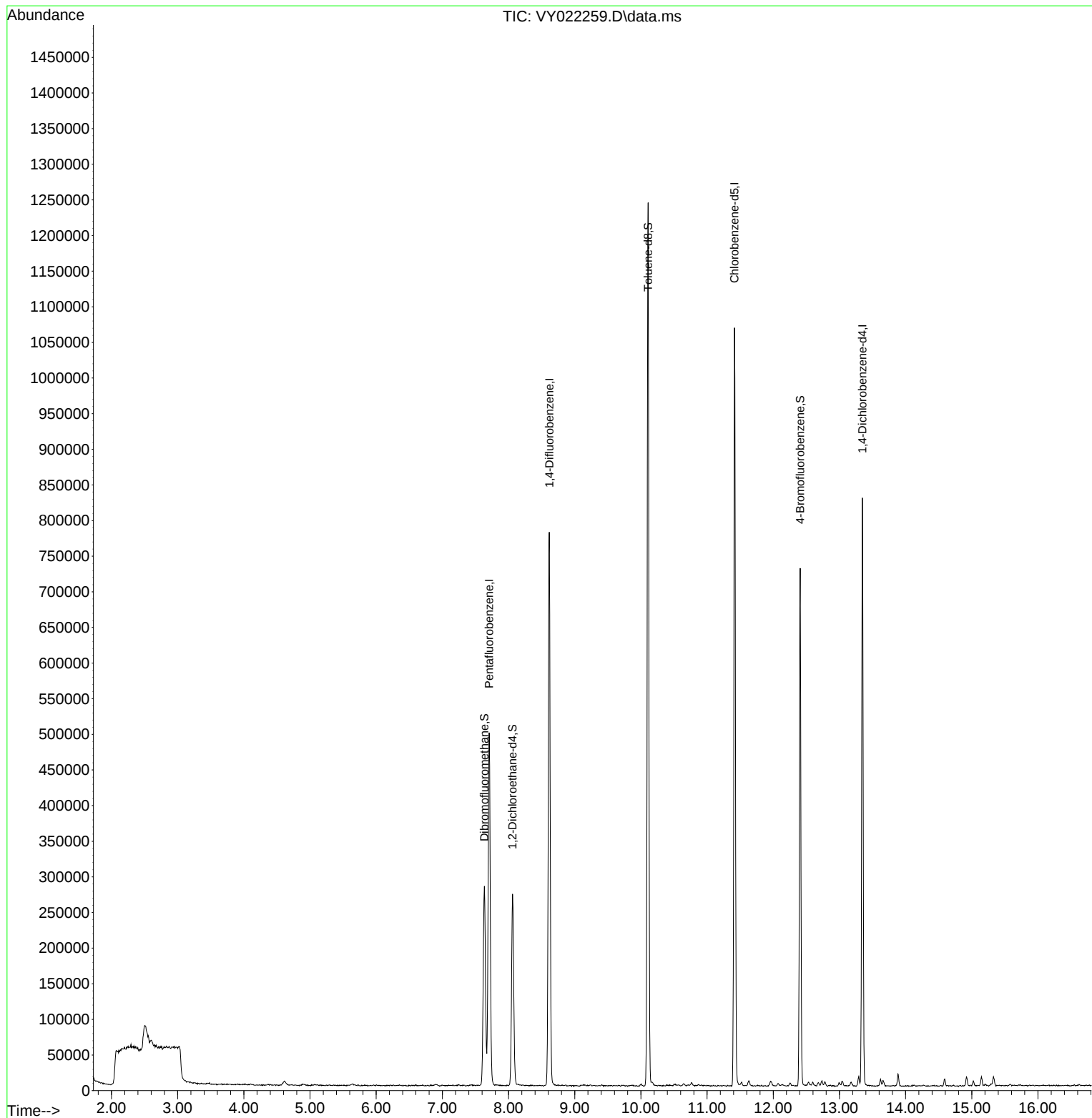
Target Compounds	Qvalue

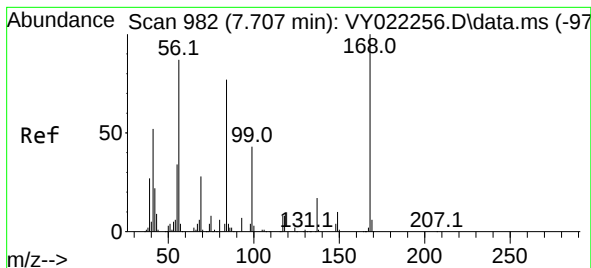
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

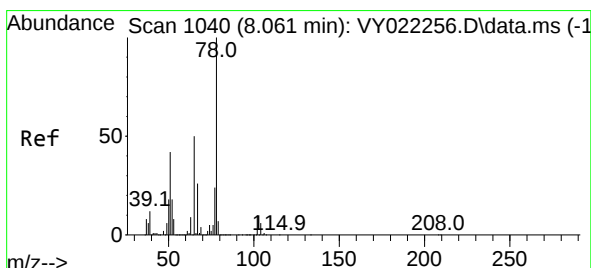
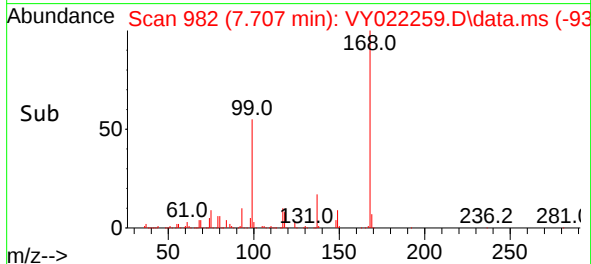
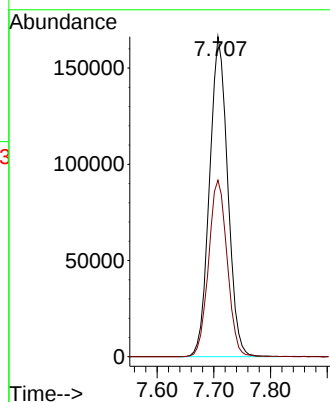
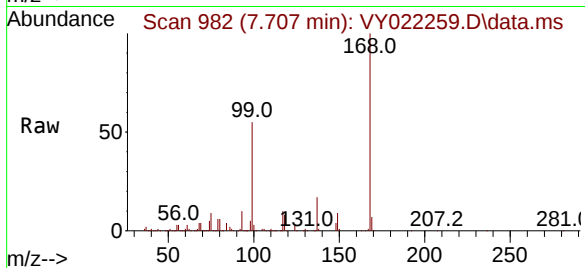
VIBLK

Tgt Ion:168 Resp: 370240

Ion Ratio Lower Upper

168 100

99 55.1 44.2 66.4



#33

1,2-Dichloroethane-d4

Concen: 50.875 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022259.D

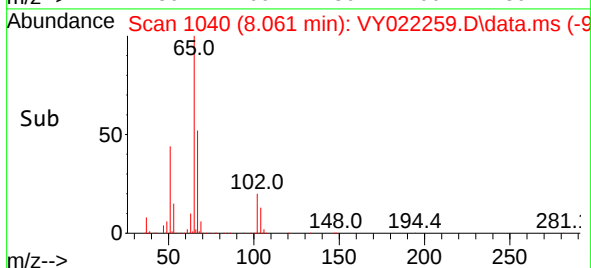
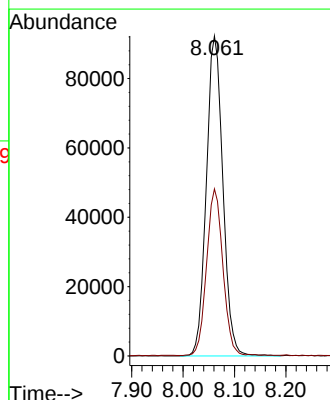
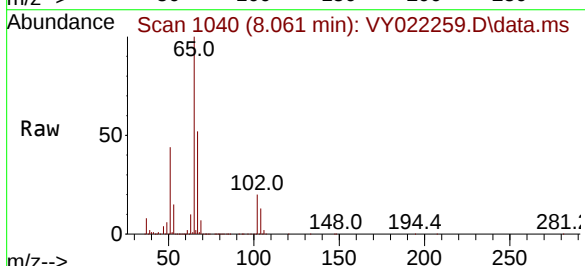
Acq: 15 May 2025 12:34

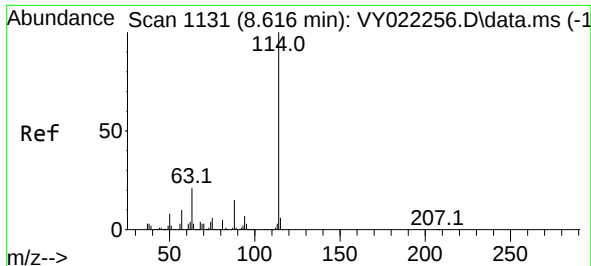
Tgt Ion: 65 Resp: 205860

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6

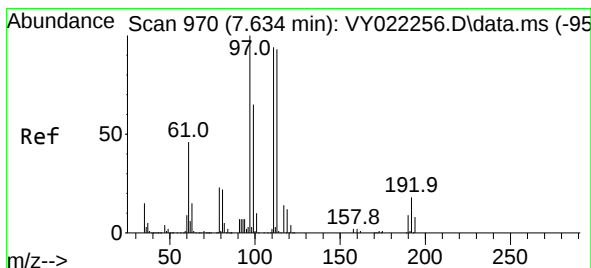
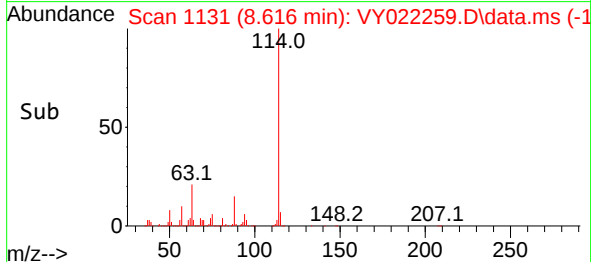
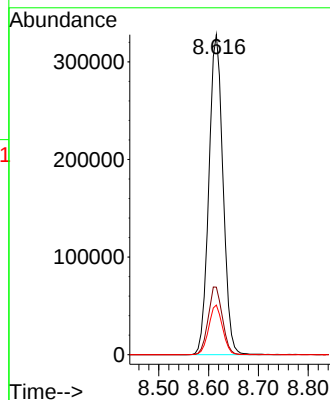
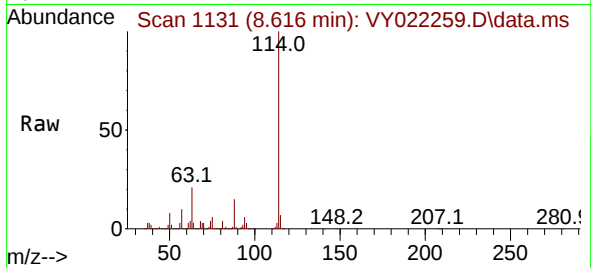




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

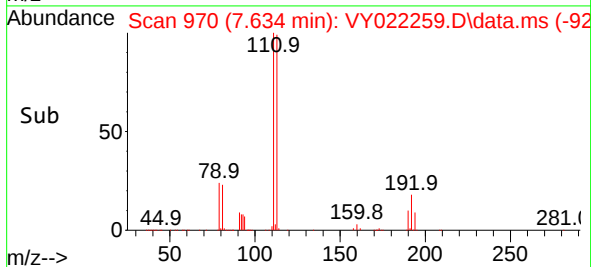
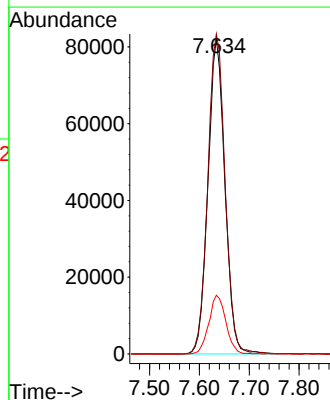
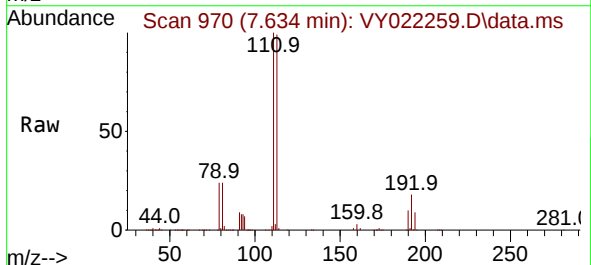
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

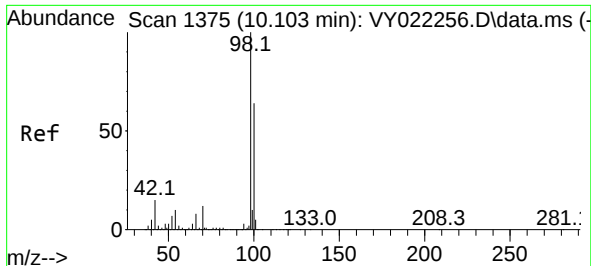
Tgt Ion:114 Resp: 643452
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.0
88 15.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.421 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion:113 Resp: 193643
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 18.8 15.2 22.8

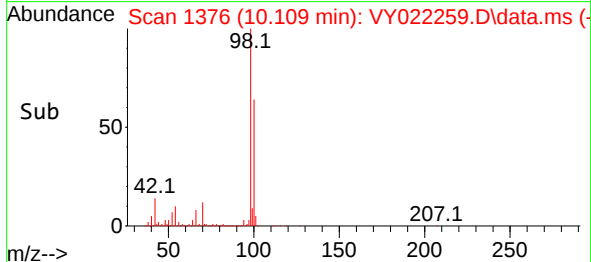
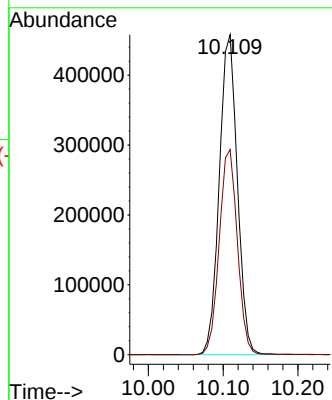
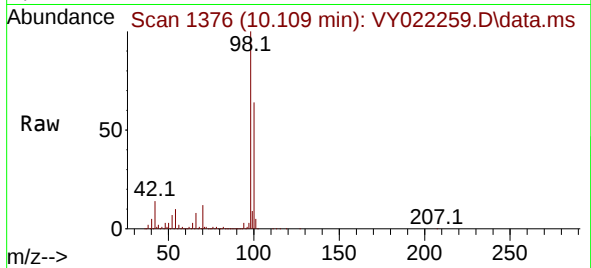




#50
Toluene-d8
Concen: 48.940 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

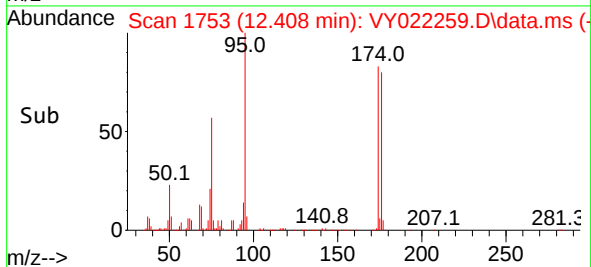
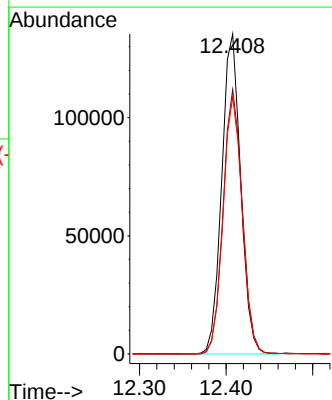
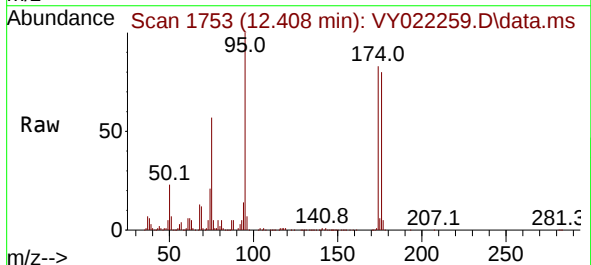
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

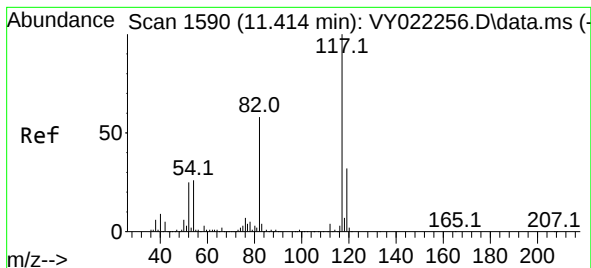
Tgt Ion: 98 Resp: 769774
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 41.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion: 95 Resp: 205688
Ion Ratio Lower Upper
95 100
174 83.7 0.0 166.8
176 81.4 0.0 160.8

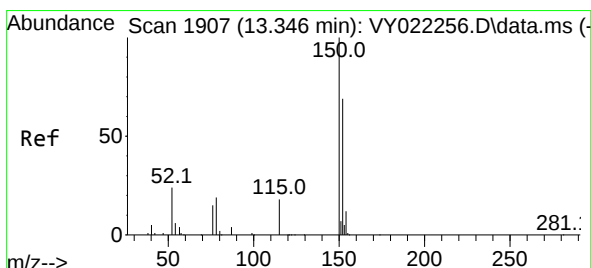
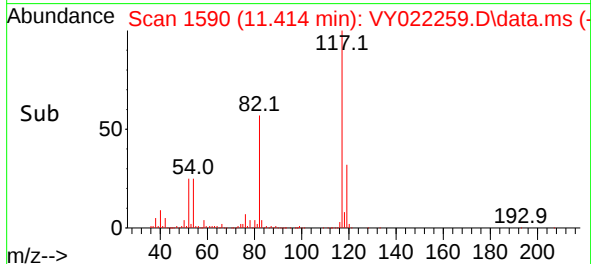
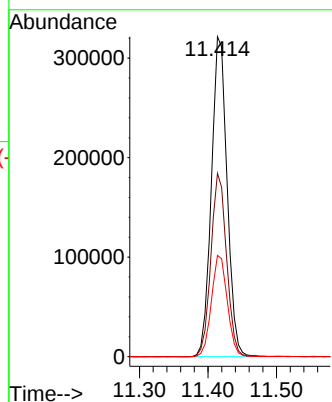
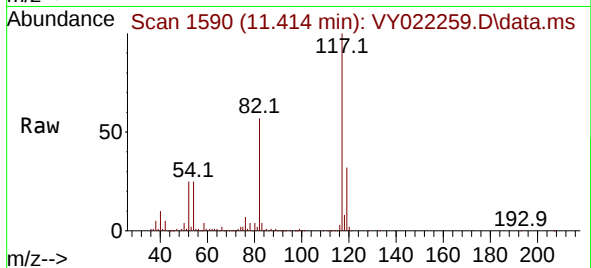




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 512184
Ion Ratio Lower Upper
117 100
82 57.3 46.6 70.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion:152 Resp: 186798
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 157.3 0.0 353.8

