

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022138.D
 Acq On : 02 May 2025 18:45
 Operator : SY/MD
 Sample : Q1937-06
 Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-C

Quant Time: May 03 02:53:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

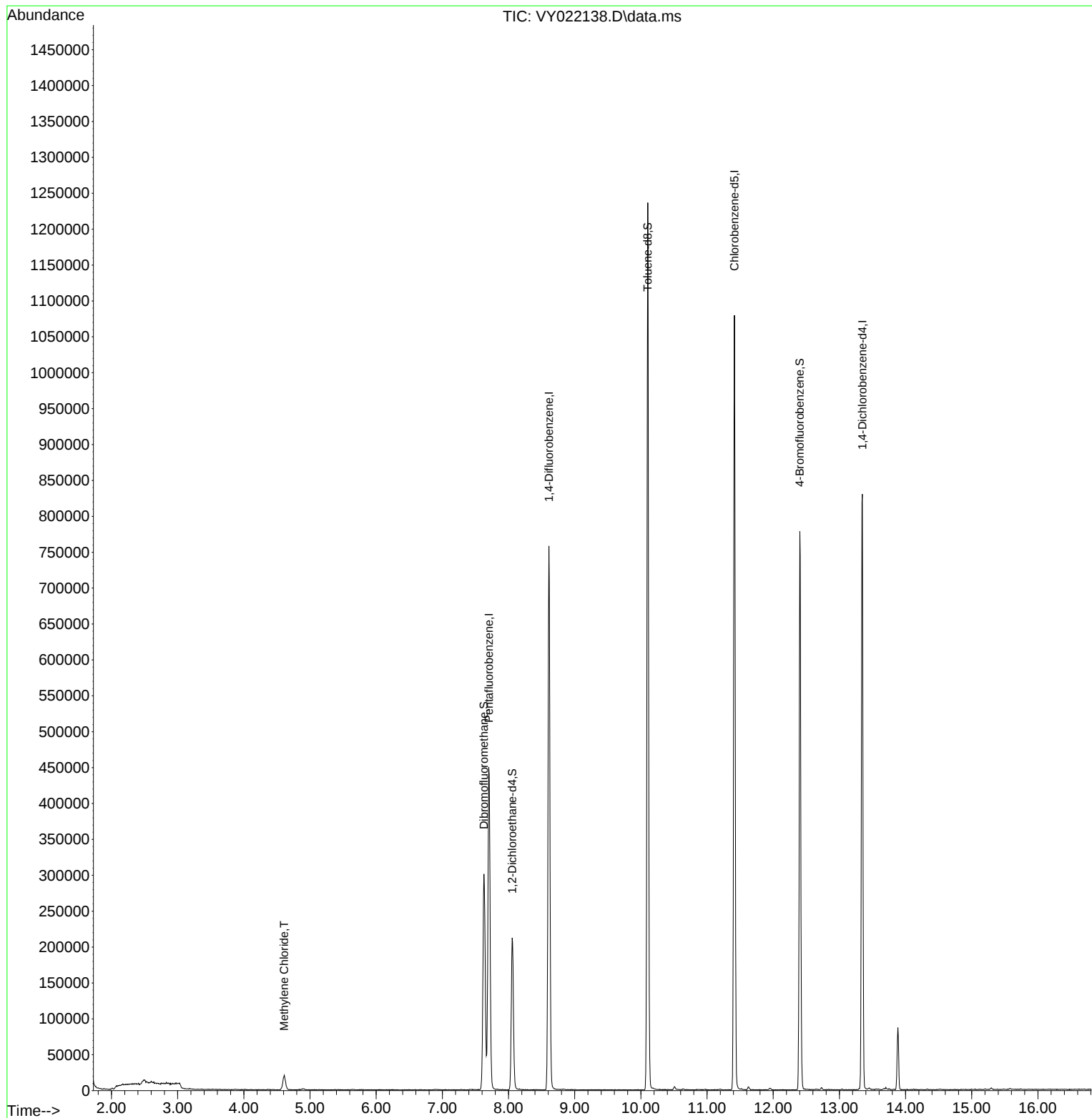
Internal Standards						
1) Pentafluorobenzene	7.701	168	353835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	663342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	581995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	222048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	173108	52.966	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.940%
35) Dibromofluoromethane	7.628	113	217734	49.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.103	98	793815	48.047	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.100%
62) 4-Bromofluorobenzene	12.401	95	233329	41.952	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.900%
Target Compounds						
20) Methylene Chloride	4.610	84	15717	3.803	ug/l	93

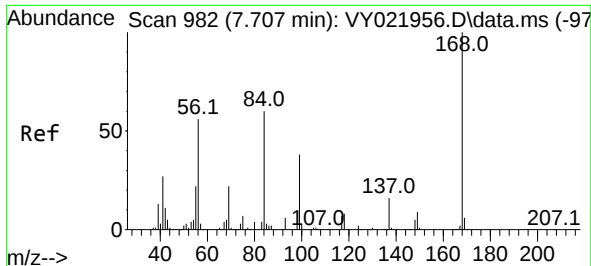
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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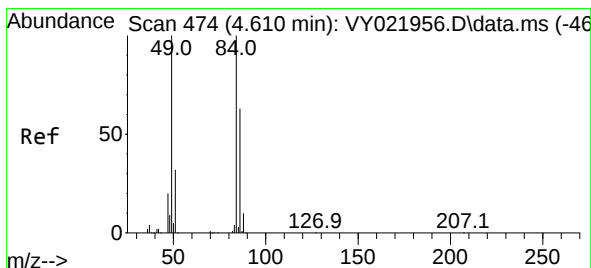
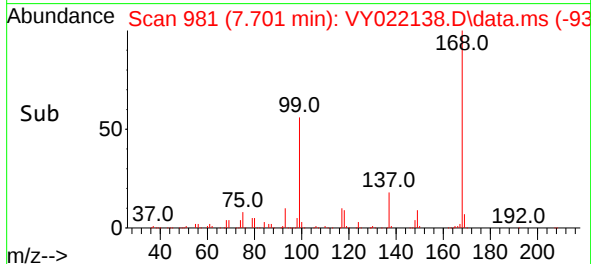
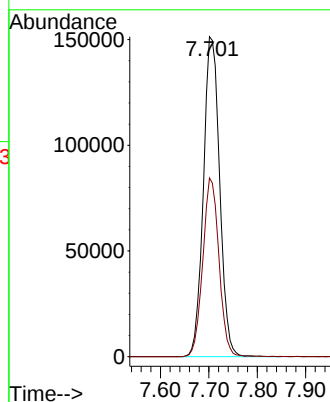
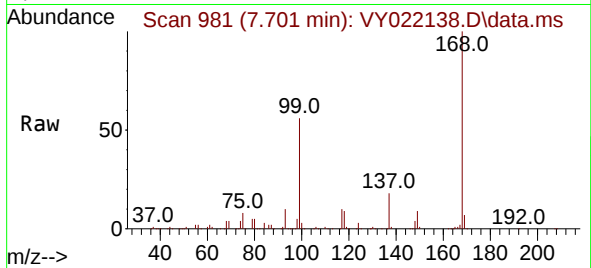




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022138.D
Acq: 02 May 2025 18:45

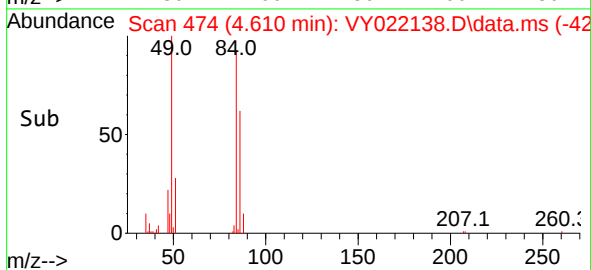
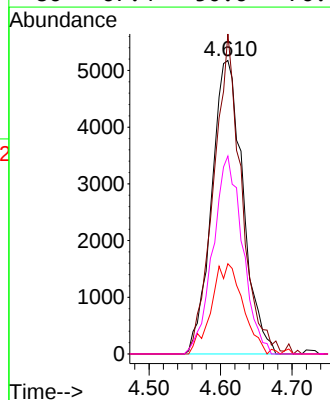
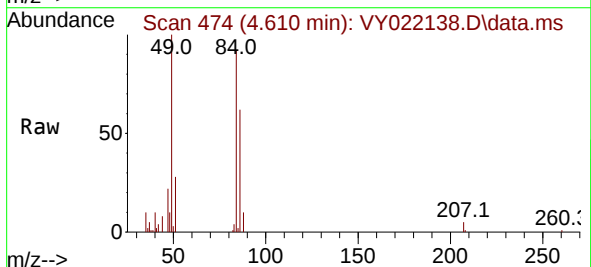
Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-C

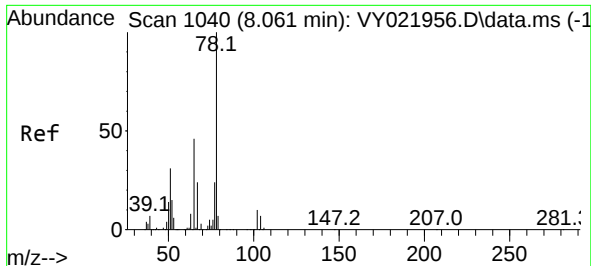
Tgt Ion:168 Resp: 353835
Ion Ratio Lower Upper
168 100
99 55.9 43.1 64.7



#20
Methylene Chloride
Concen: 3.803 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022138.D
Acq: 02 May 2025 18:45

Tgt Ion: 84 Resp: 15717
Ion Ratio Lower Upper
84 100
49 109.0 79.9 119.9
51 30.8 25.4 38.0
86 67.4 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 52.966 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022138.D

Acq: 02 May 2025 18:45

Instrument :

MSVOA_Y

ClientSampleId :

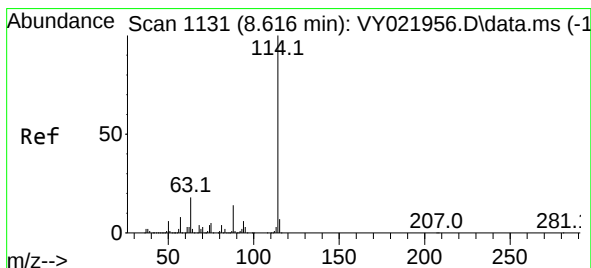
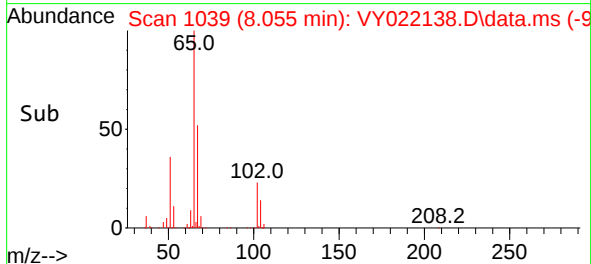
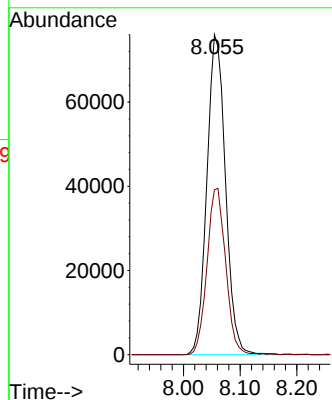
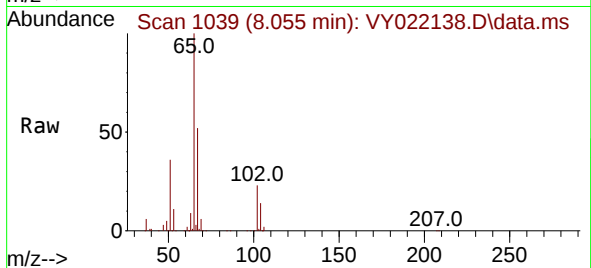
LARGE-PILE-C

Tgt Ion: 65 Resp: 173108

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022138.D

Acq: 02 May 2025 18:45

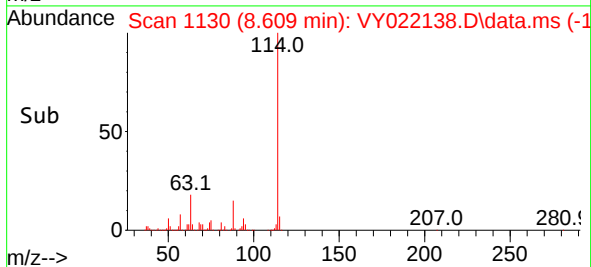
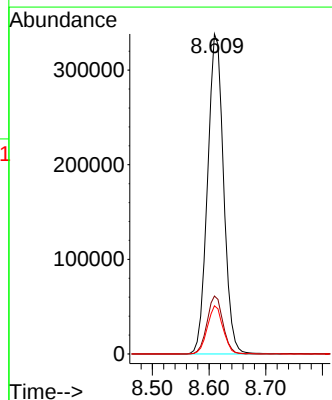
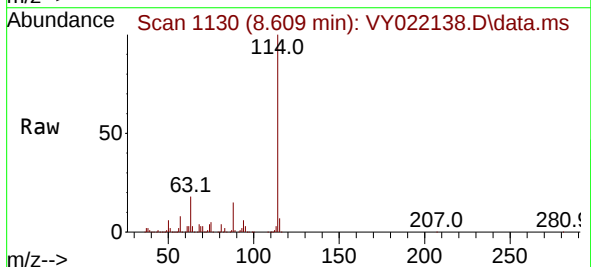
Tgt Ion:114 Resp: 663342

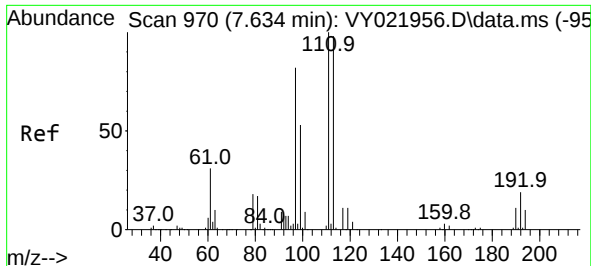
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 15.1 0.0 28.2

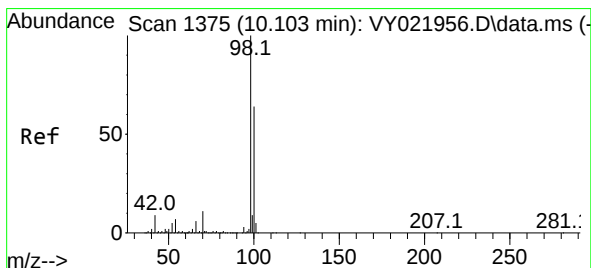
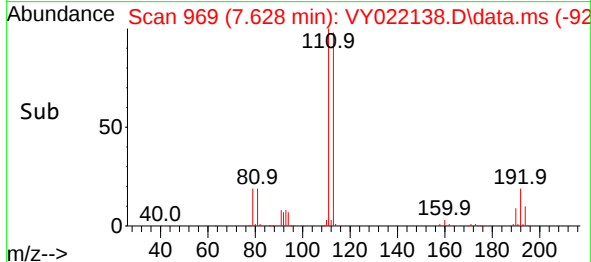
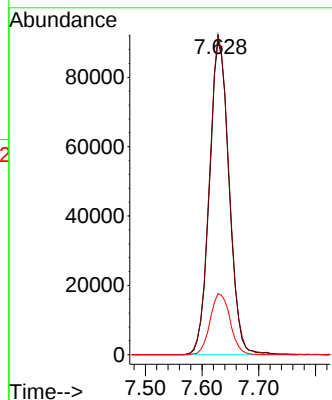
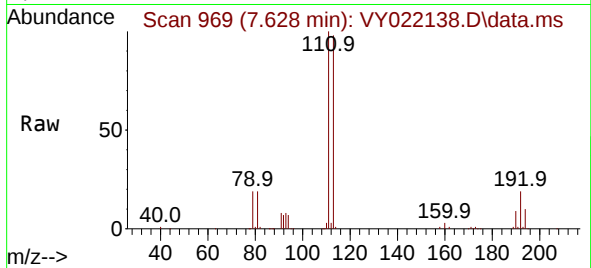




#35
Dibromofluoromethane
Concen: 49.684 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022138.D
Acq: 02 May 2025 18:45

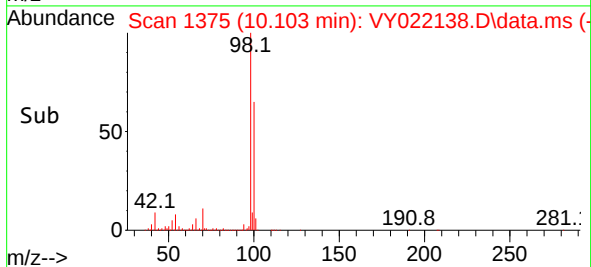
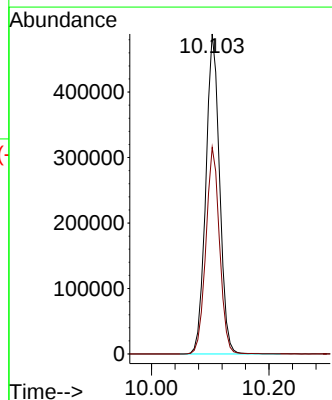
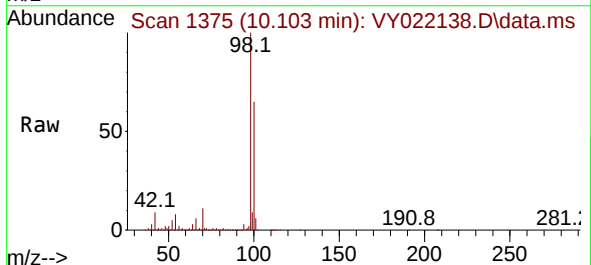
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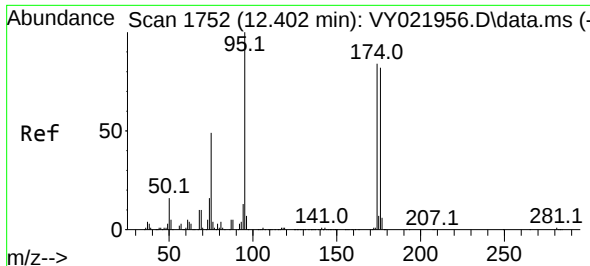
Tgt Ion:113 Resp: 217734
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 19.8 15.6 23.4



#50
Toluene-d8
Concen: 48.047 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022138.D
Acq: 02 May 2025 18:45

Tgt Ion: 98 Resp: 793815
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

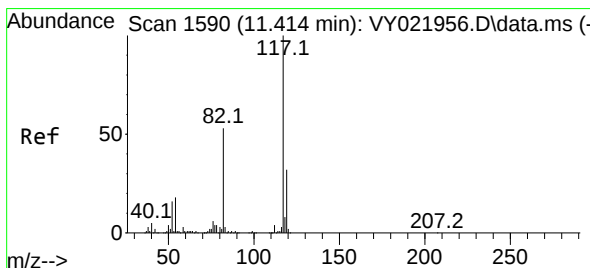
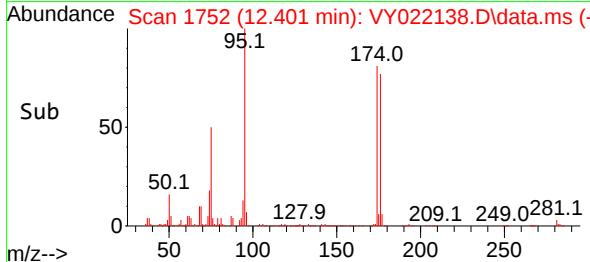
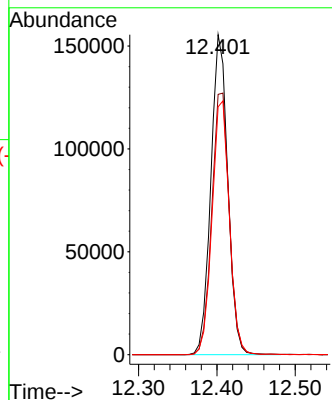
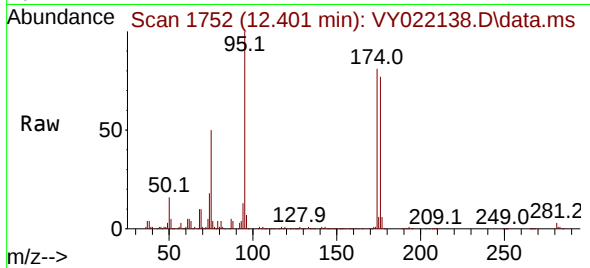




#62
4-Bromofluorobenzene
Concen: 41.952 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022138.D
Acq: 02 May 2025 18:45

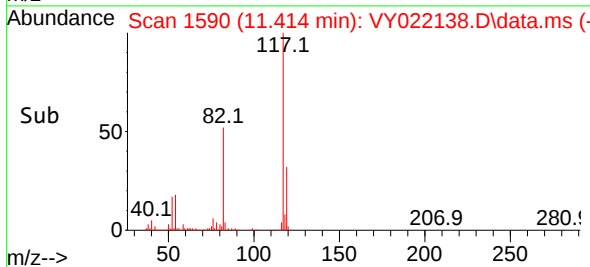
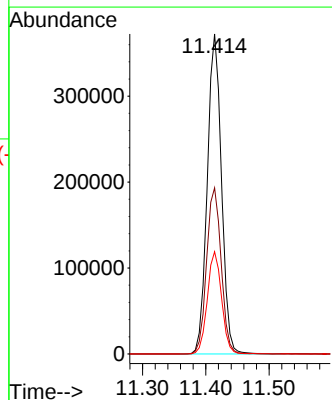
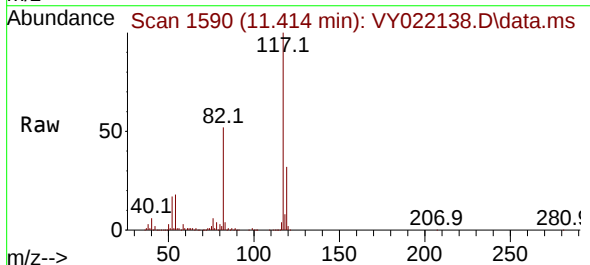
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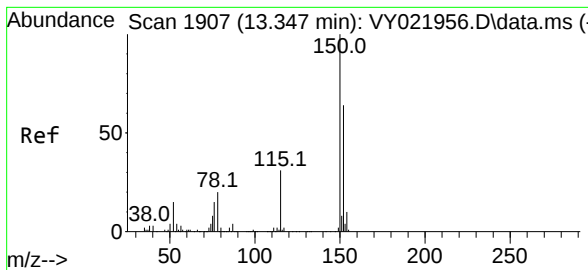
Tgt Ion: 95 Resp: 233329
Ion Ratio Lower Upper
95 100
174 84.9 0.0 179.0
176 81.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022138.D
Acq: 02 May 2025 18:45

Tgt Ion: 117 Resp: 581995
Ion Ratio Lower Upper
117 100
82 51.9 42.1 63.1
119 32.0 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022138.D
 Acq: 02 May 2025 18:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-C

Tgt Ion:152 Resp: 222048
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.0 84.0
 150 157.1 0.0 345.6

