

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022237.D
 Acq On : 13 May 2025 12:42
 Operator : SY/MD
 Sample : Q2002-01RE
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-05092025RE

Quant Time: May 13 12:55:45 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)

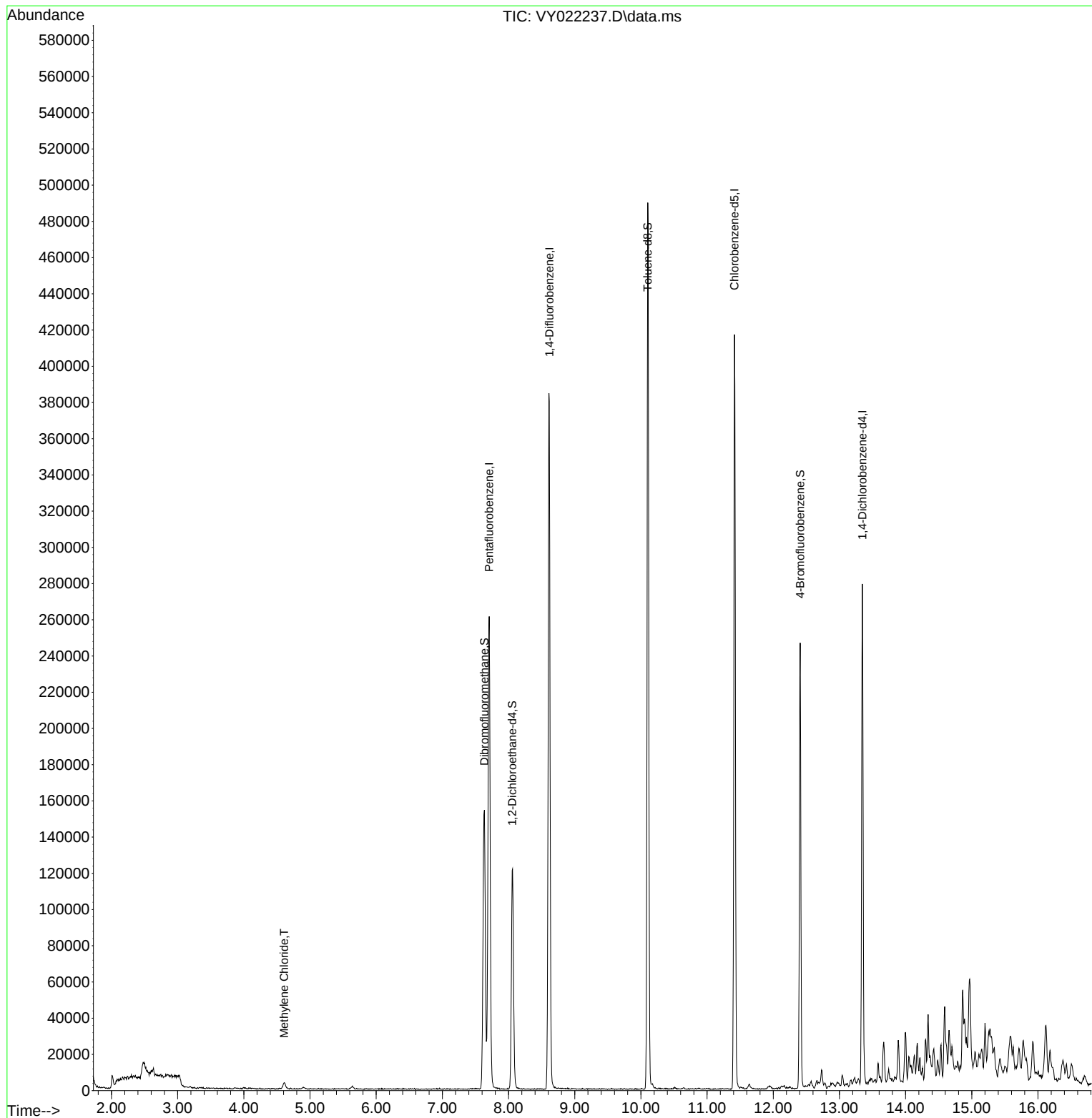
Internal Standards						
1) Pentafluorobenzene	7.707	168	202993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	234031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	72423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	96925	51.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.380%	
35) Dibromofluoromethane	7.634	113	114279	50.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.020%	
50) Toluene-d8	10.103	98	332944	39.035	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 78.080%	
62) 4-Bromofluorobenzene	12.408	95	75742	26.379	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 52.760%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.610	84	2602	1.097	ug/l	# 87

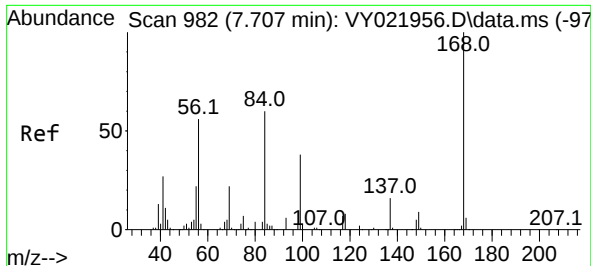
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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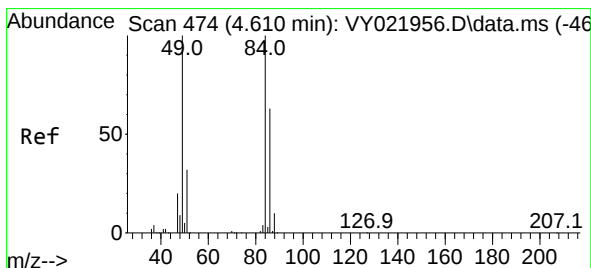
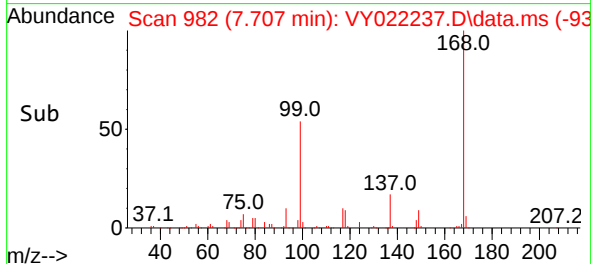
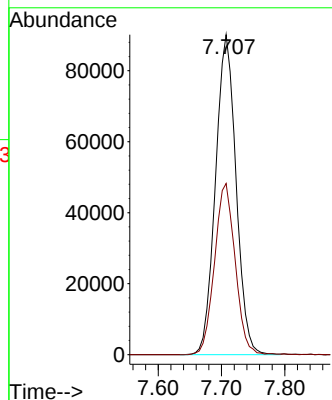
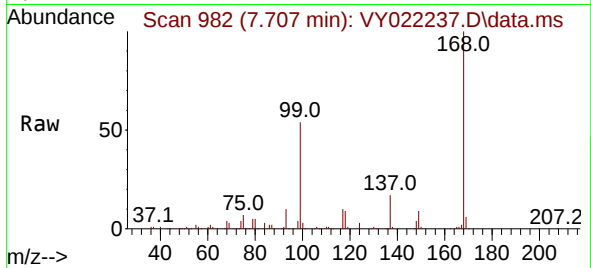




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022237.D
Acq: 13 May 2025 12:42

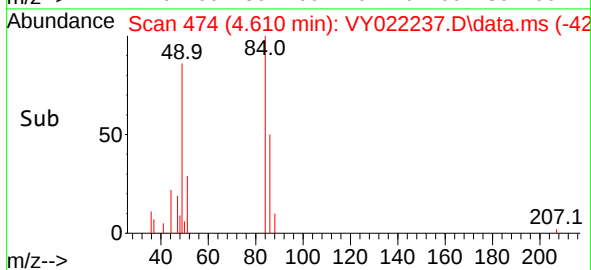
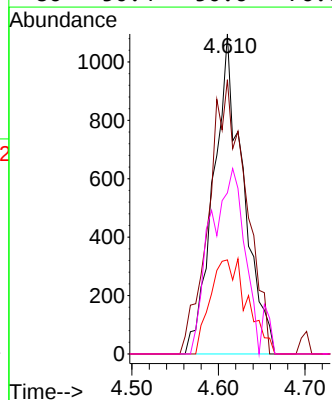
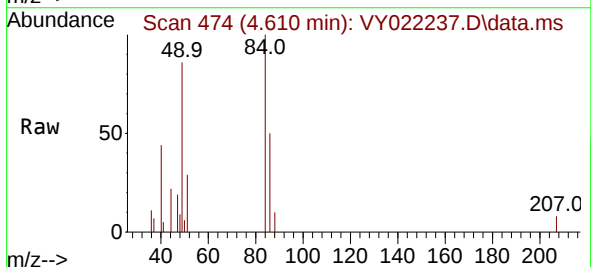
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025RE

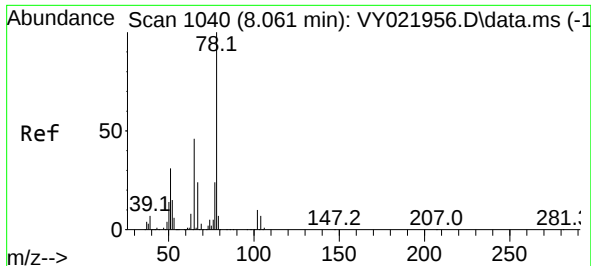
Tgt Ion:168 Resp: 202993
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#20
Methylene Chloride
Concen: 1.097 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022237.D
Acq: 13 May 2025 12:42

Tgt Ion: 84 Resp: 2602
Ion Ratio Lower Upper
84 100
49 85.7 79.9 119.9
51 29.4 25.4 38.0
86 50.4 50.6 76.0#





#33

1,2-Dichloroethane-d4

Concen: 51.693 ug/l

RT: 8.055 min Scan# 11039

Delta R.T. -0.006 min

Lab File: VY022237.D

Acq: 13 May 2025 12:42

Instrument :

MSVOA_Y

ClientSampleId :

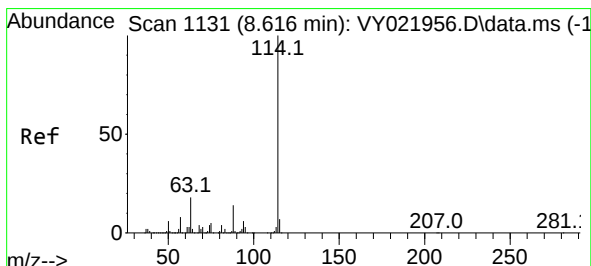
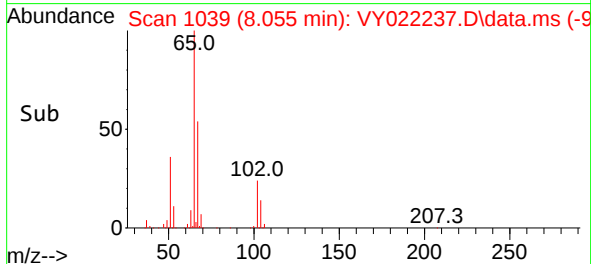
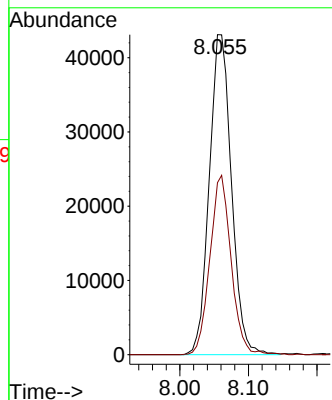
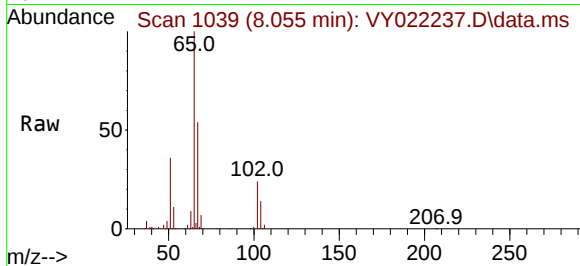
EO-02-05092025RE

Tgt Ion: 65 Resp: 96925

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022237.D

Acq: 13 May 2025 12:42

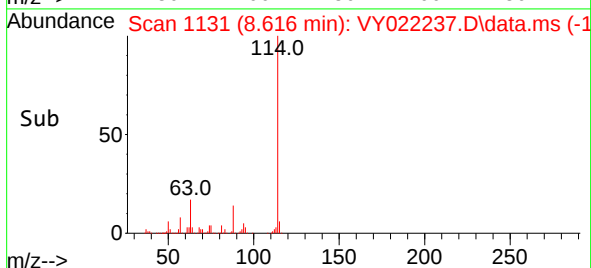
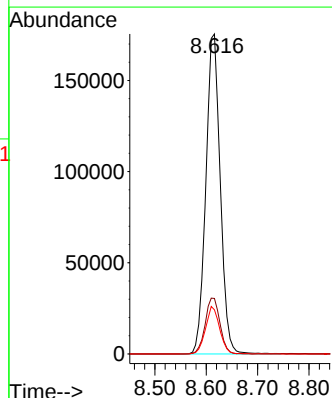
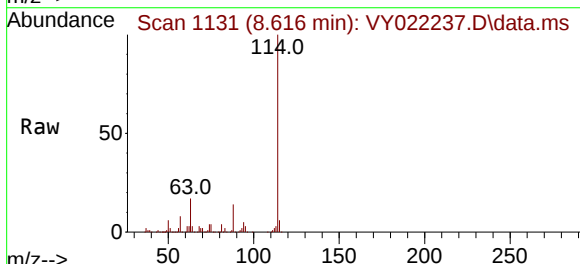
Tgt Ion:114 Resp: 342454

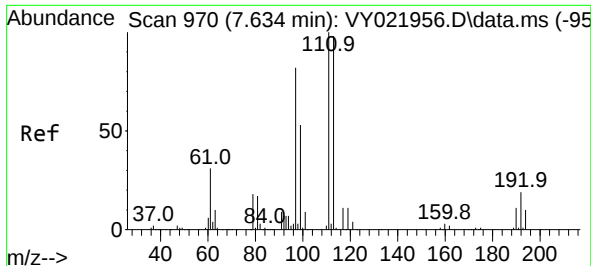
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 13.8 0.0 28.2

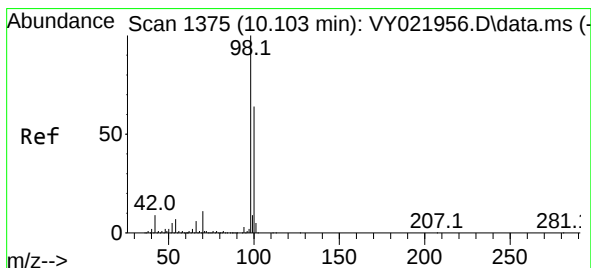
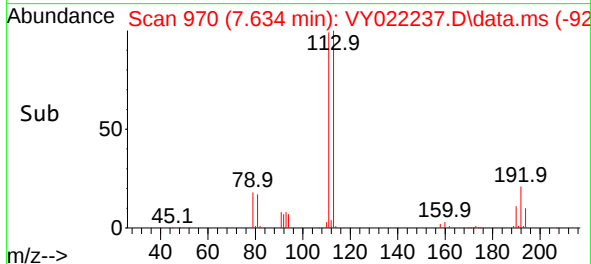
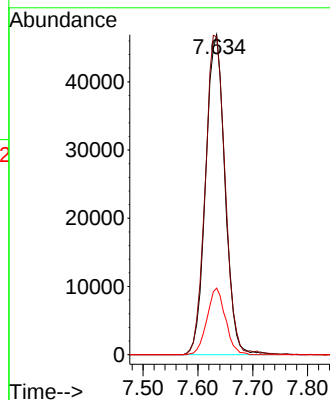
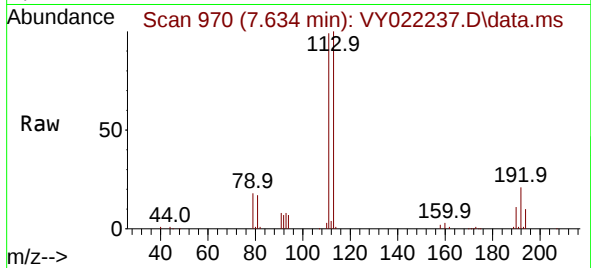




#35
Dibromofluoromethane
Concen: 50.512 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022237.D
Acq: 13 May 2025 12:42

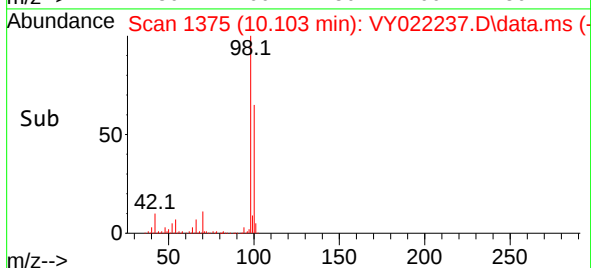
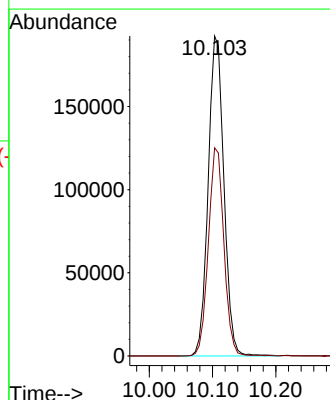
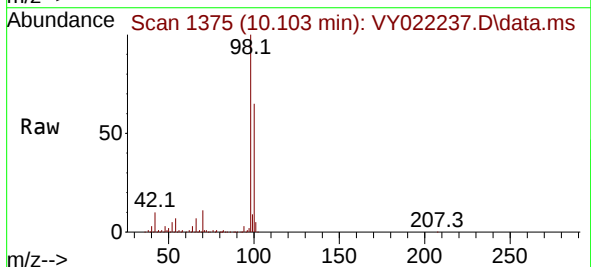
Instrument :
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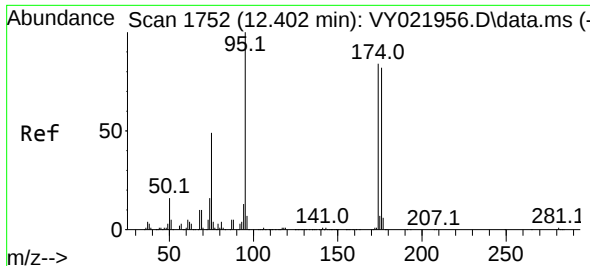
Tgt Ion:113 Resp: 114279
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 19.9 15.6 23.4



#50
Toluene-d8
Concen: 39.035 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022237.D
Acq: 13 May 2025 12:42

Tgt Ion: 98 Resp: 332944
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

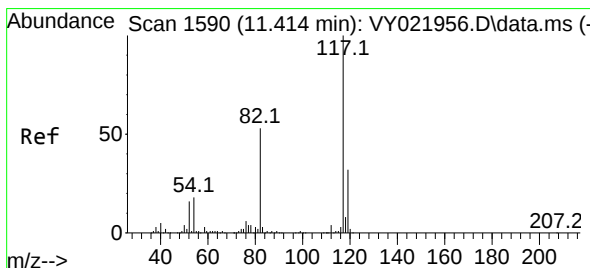
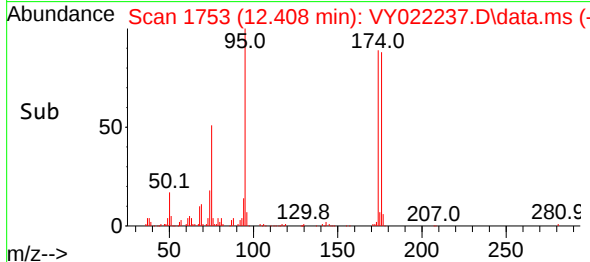
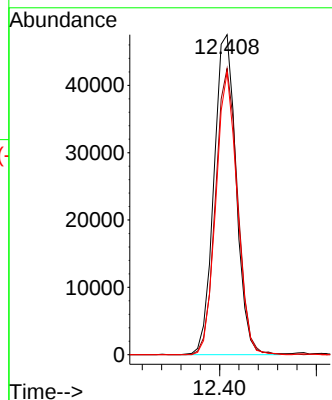
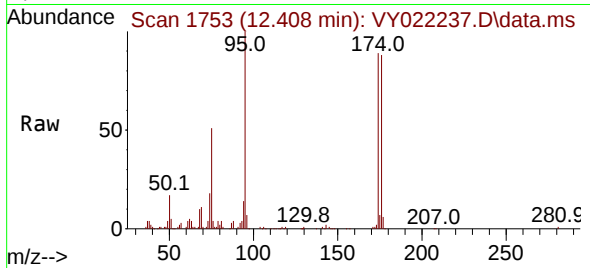




#62
4-Bromofluorobenzene
Concen: 26.379 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022237.D
Acq: 13 May 2025 12:42

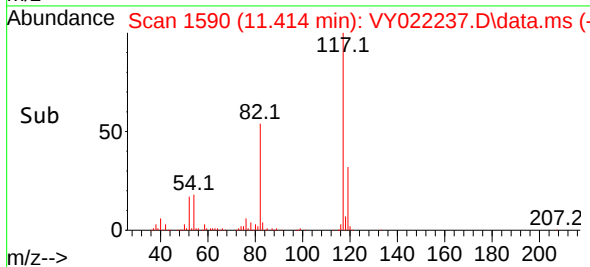
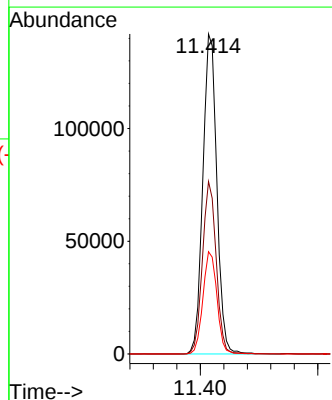
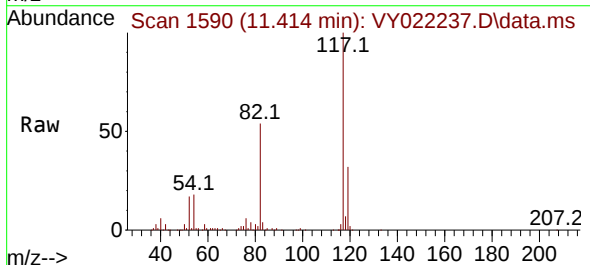
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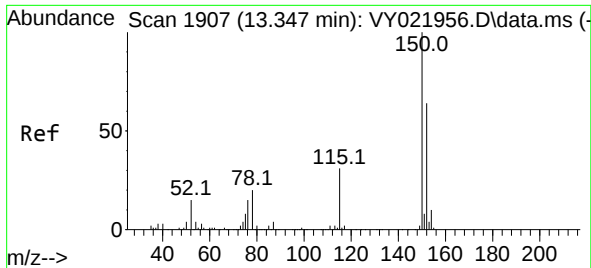
Tgt Ion: 95 Resp: 75742
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 84.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022237.D
Acq: 13 May 2025 12:42

Tgt Ion: 117 Resp: 234031
Ion Ratio Lower Upper
117 100
82 53.9 42.1 63.1
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022237.D

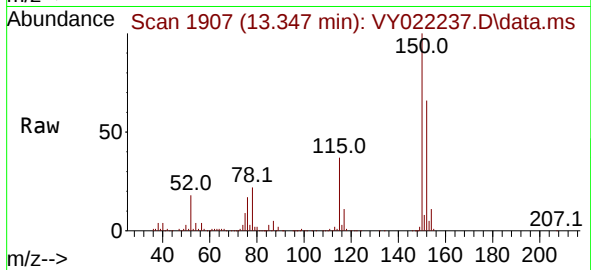
Acq: 13 May 2025 12:42

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-05092025RE



Tgt Ion:152 Resp: 72423

Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 157.4 0.0 345.6

