

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022297.D
 Acq On : 16 May 2025 17:35
 Operator : SY/MD
 Sample : Q2032-08
 Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-32

Quant Time: May 17 01:37:01 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)

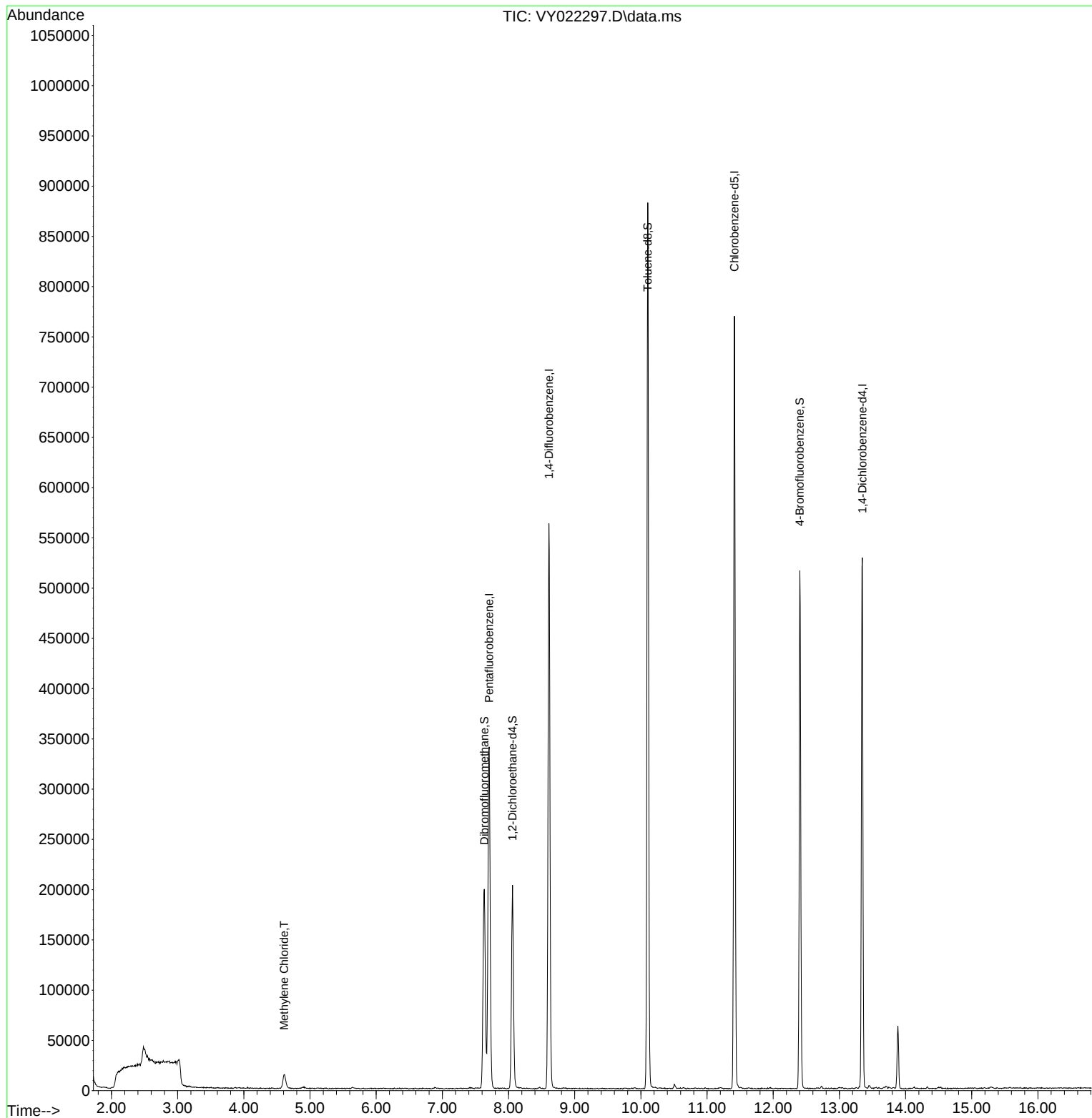
Internal Standards						
1) Pentafluorobenzene	7.707	168	262305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	463101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	125957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140017	48.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.680%
35) Dibromofluoromethane	7.634	113	137514	49.751	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.500%
50) Toluene-d8	10.103	98	552649	48.819	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.402	95	139275	38.815	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.640%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	9798	2.821	ug/l	83

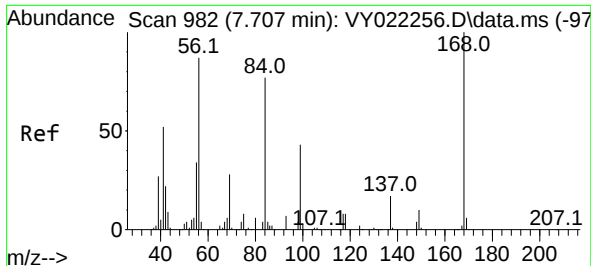
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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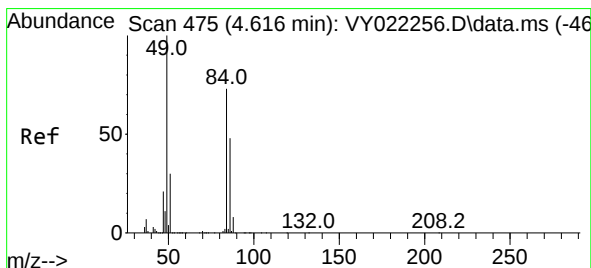
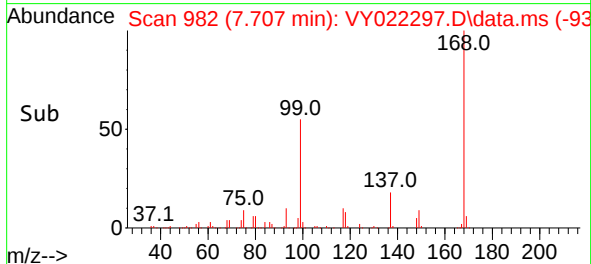
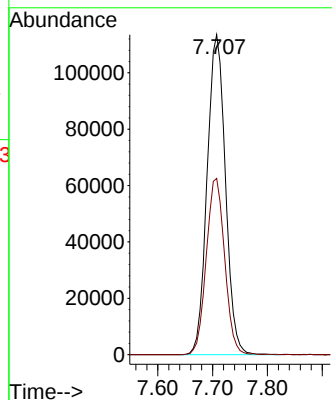
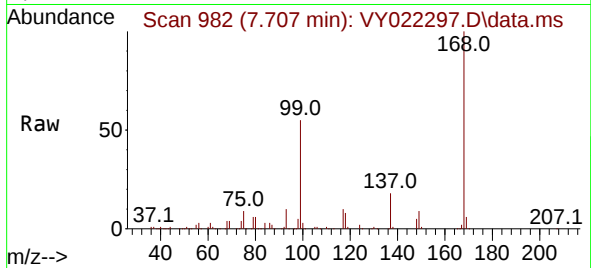




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

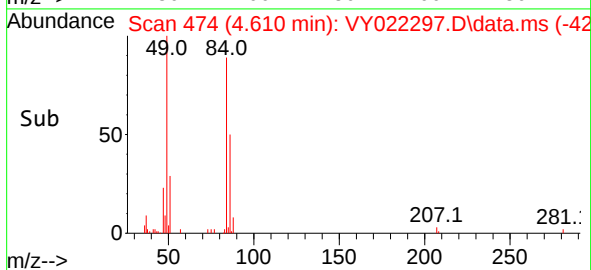
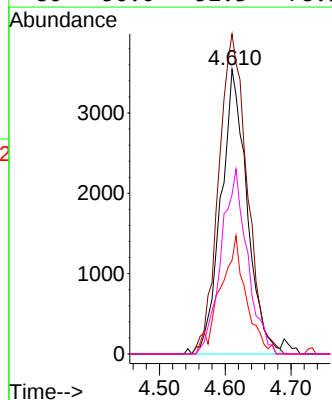
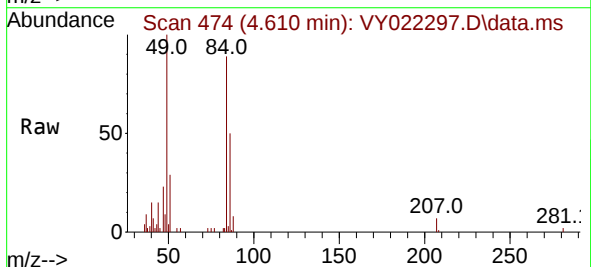
Instrument :
MSVOA_Y
ClientSampleId :
TP-32

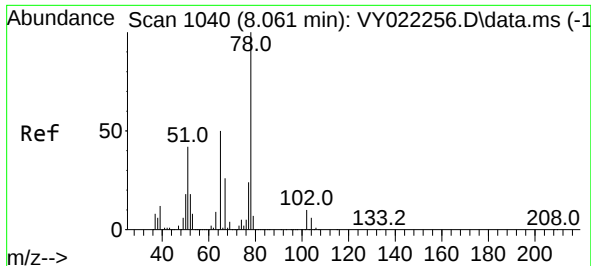
Tgt Ion:168 Resp: 262305
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#20
Methylene Chloride
Concen: 2.821 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

Tgt Ion: 84 Resp: 9798
Ion Ratio Lower Upper
84 100
49 112.5 109.6 164.4
51 32.9 32.4 48.6
86 56.0 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 48.842 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY022297.D

Acq: 16 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

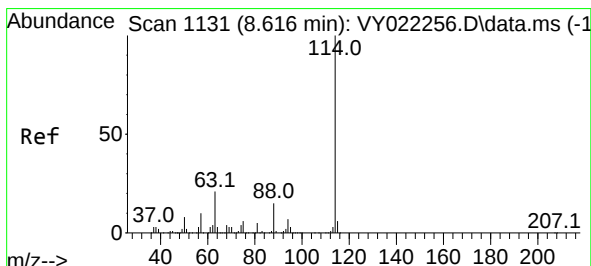
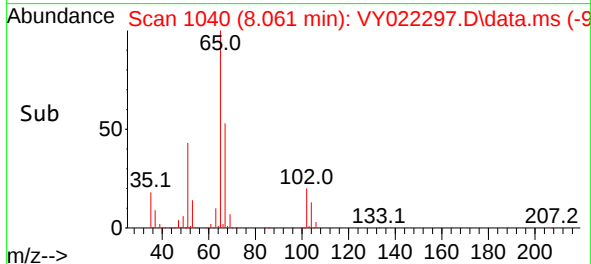
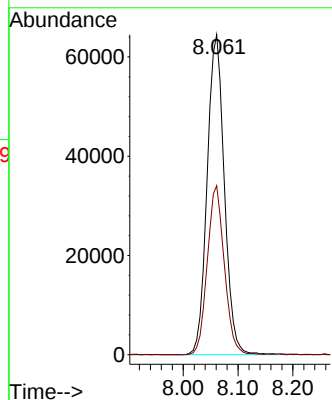
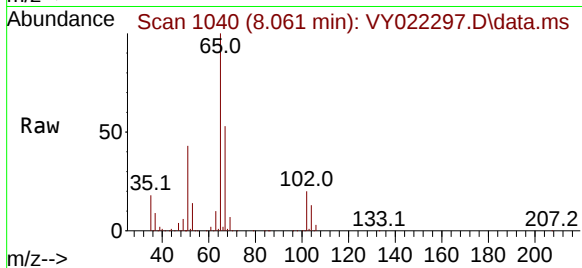
TP-32

Tgt Ion: 65 Resp: 140017

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022297.D

Acq: 16 May 2025 17:35

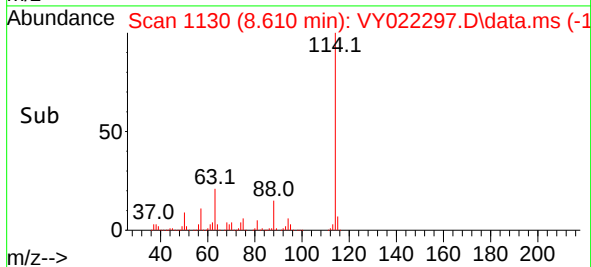
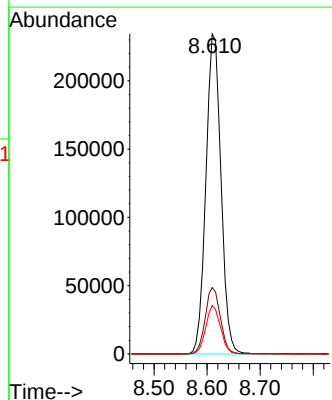
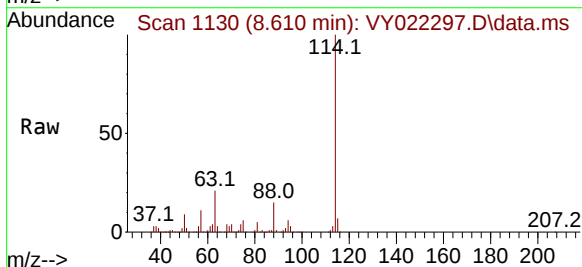
Tgt Ion: 114 Resp: 463101

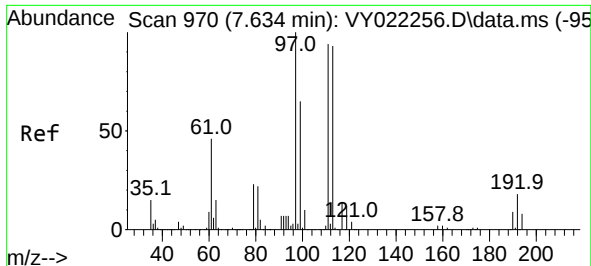
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.751 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022297.D

Acq: 16 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-32

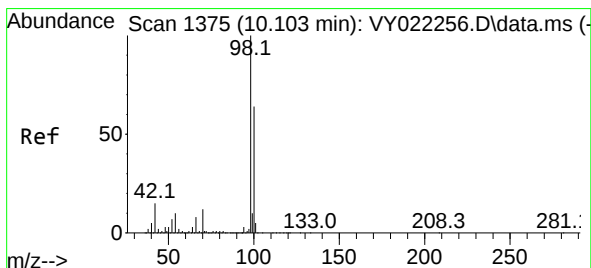
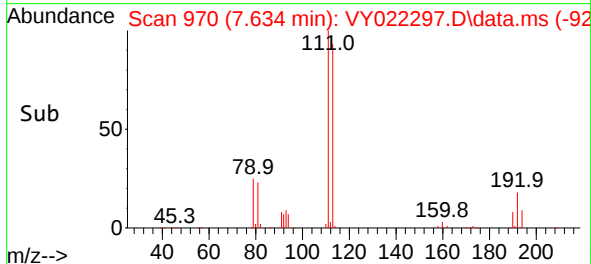
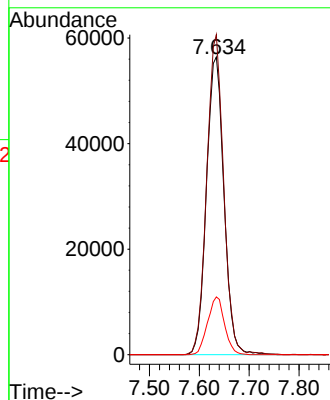
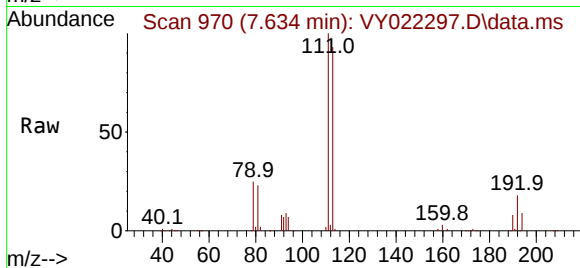
Tgt Ion:113 Resp: 137514

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 18.8 15.2 22.8



#50

Toluene-d8

Concen: 48.819 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022297.D

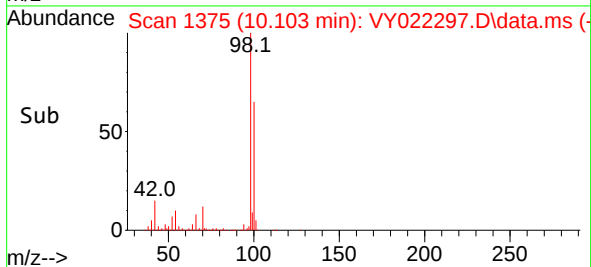
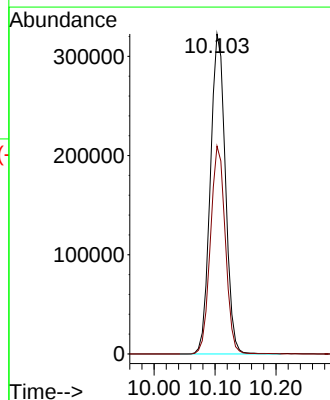
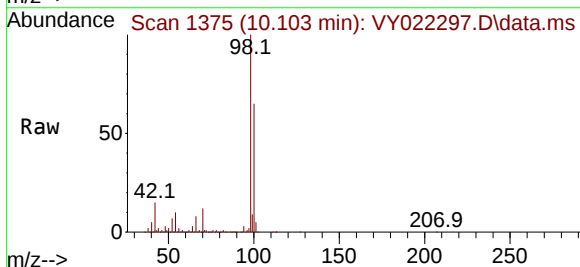
Acq: 16 May 2025 17:35

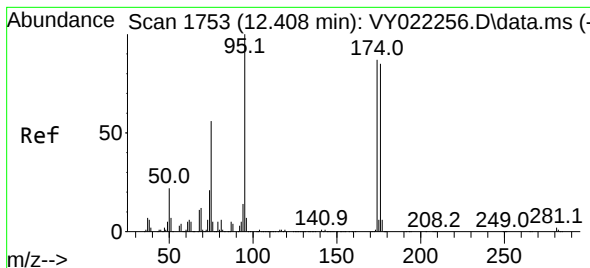
Tgt Ion: 98 Resp: 552649

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8

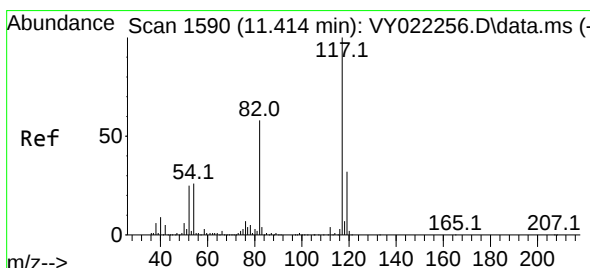
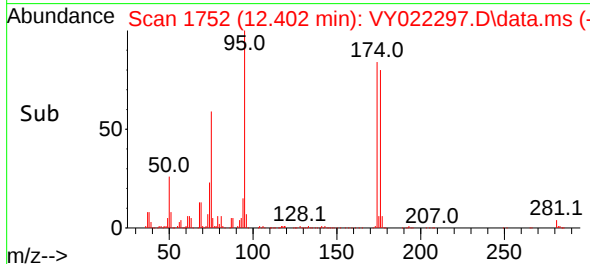
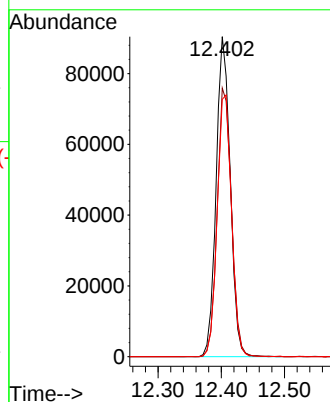
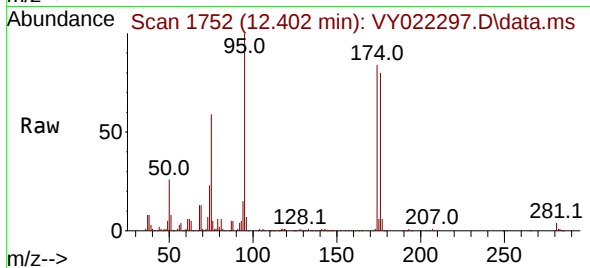




#62
4-Bromofluorobenzene
Concen: 38.815 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

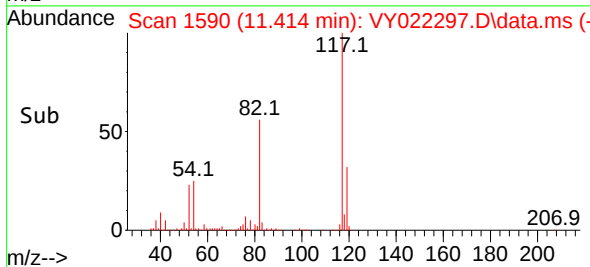
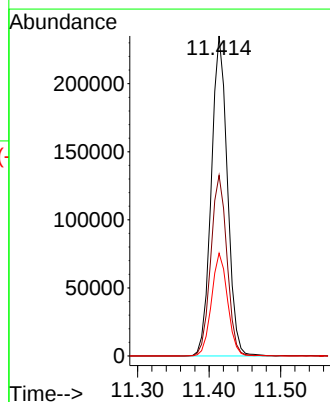
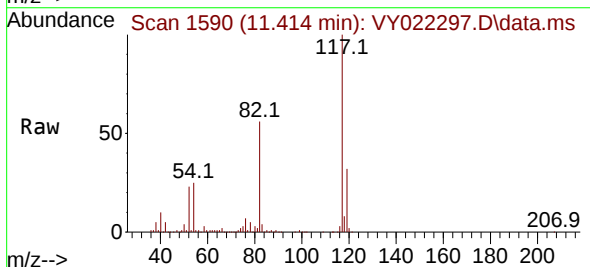
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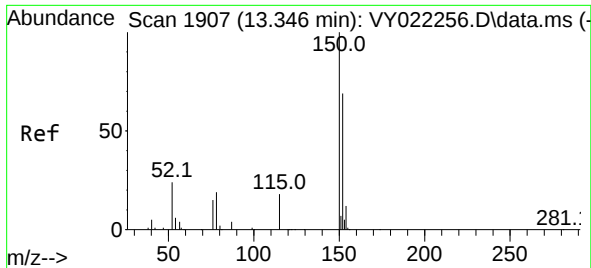
Tgt Ion: 95 Resp: 139275
Ion Ratio Lower Upper
95 100
174 84.8 0.0 166.8
176 83.4 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022297.D
Acq: 16 May 2025 17:35

Tgt Ion: 117 Resp: 367604
Ion Ratio Lower Upper
117 100
82 56.5 46.6 70.0
119 32.1 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022297.D
 Acq: 16 May 2025 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-32

Tgt Ion:152 Resp: 125957
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.4 88.2
 150 158.9 0.0 353.8

