

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022035.D
 Acq On : 28 Apr 2025 16:39
 Operator : SY/MD
 Sample : Q1896-01
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 295-BERGEN-RO

Quant Time: Apr 29 03:55:05 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)

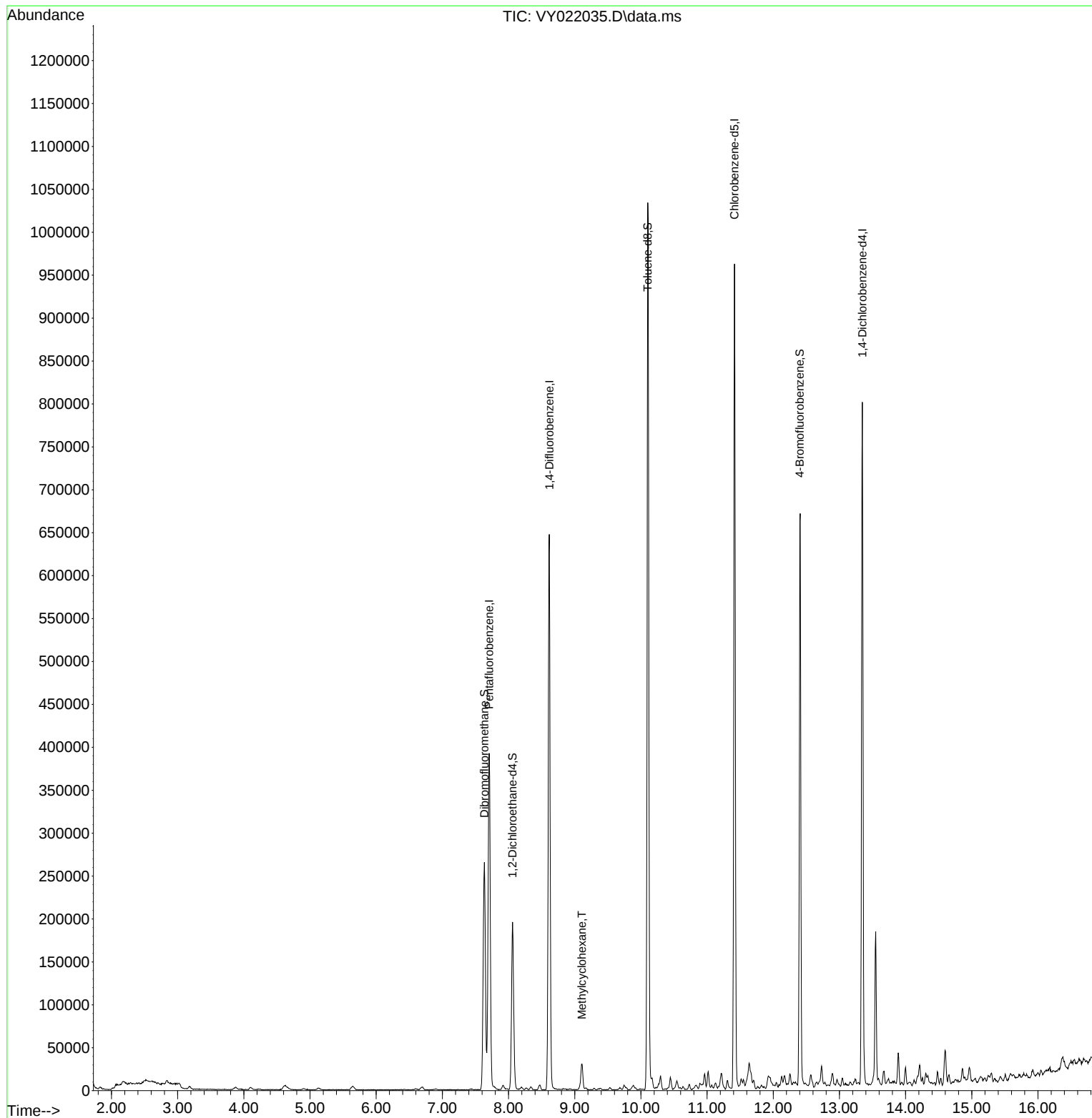
Internal Standards						
1) Pentafluorobenzene	7.707	168	301162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	572741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	530446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147323	52.960	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.920%	
35) Dibromofluoromethane	7.634	113	189461	50.071	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.140%	
50) Toluene-d8	10.103	98	690012	48.371	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	12.401	95	211261	43.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.980%	
Target Compounds						
39) Methylcyclohexane	9.109	83	11847	1.852	ug/l	Qvalue 92

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

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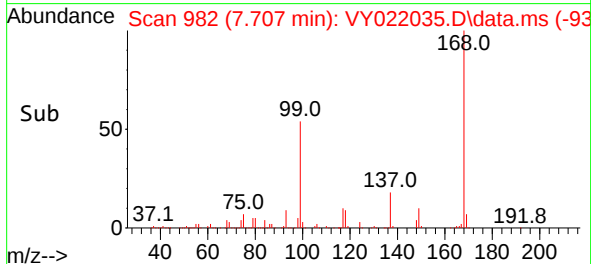
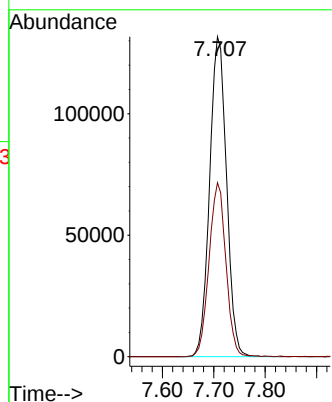
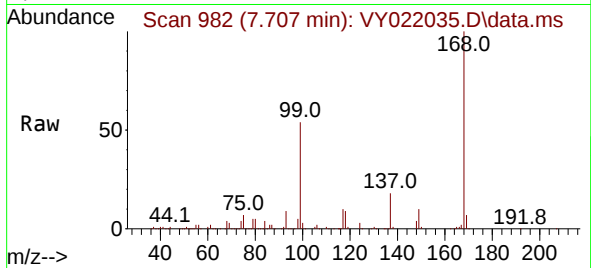




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

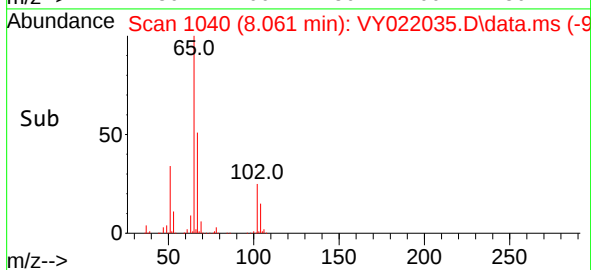
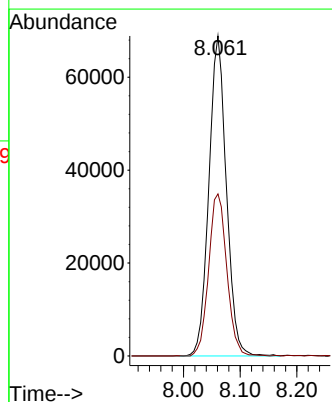
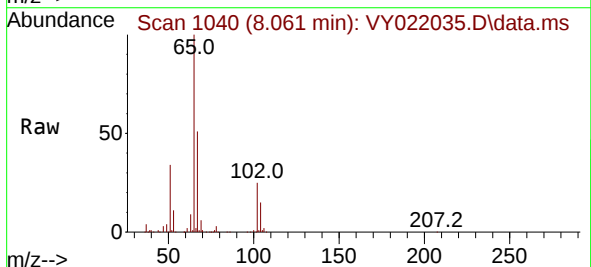
Instrument :
MSVOA_Y
ClientSampleId :
295-BERGEN-RO

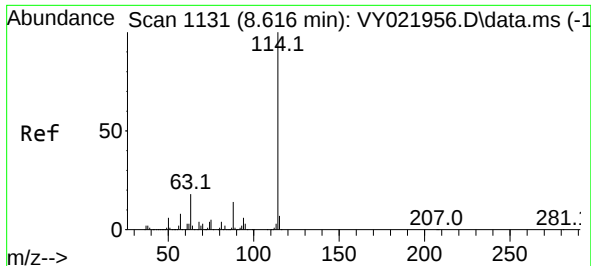
Tgt Ion:168 Resp: 301162
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.960 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Tgt Ion: 65 Resp: 147323
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

295-BERGEN-RO

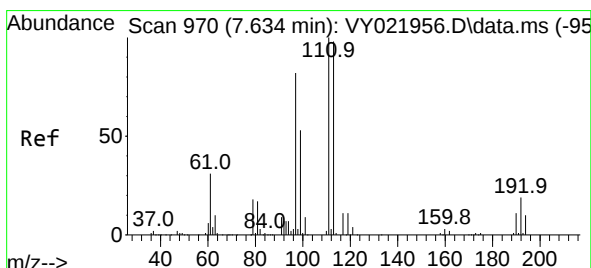
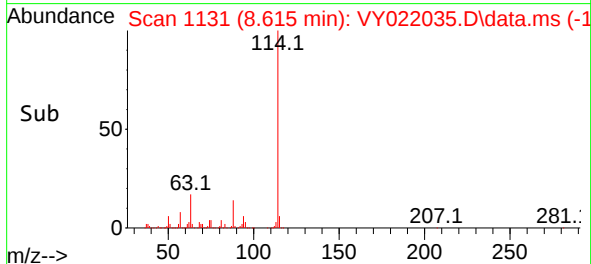
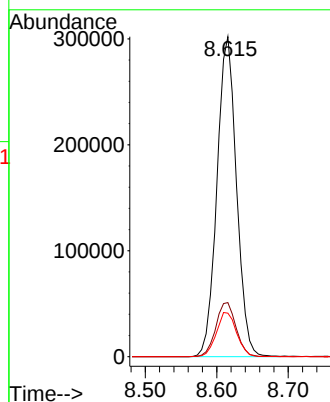
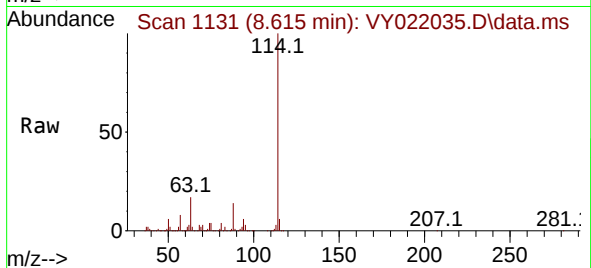
Tgt Ion:114 Resp: 572741

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 13.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.071 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

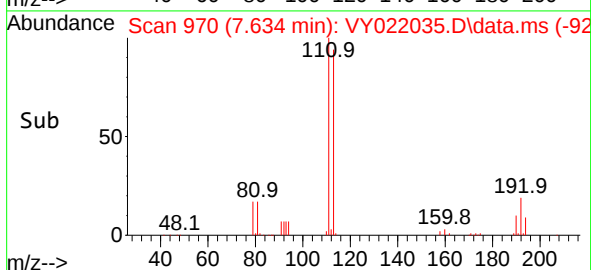
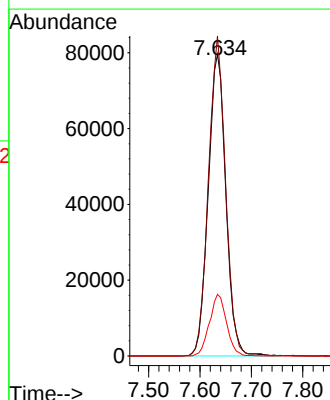
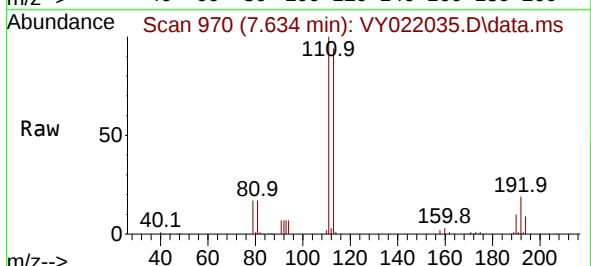
Tgt Ion:113 Resp: 189461

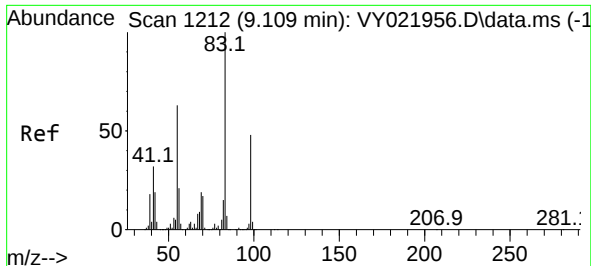
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 19.8 15.6 23.4





#39

Methylcyclohexane

Concen: 1.852 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022035.D

Acq: 28 Apr 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

295-BERGEN-RO

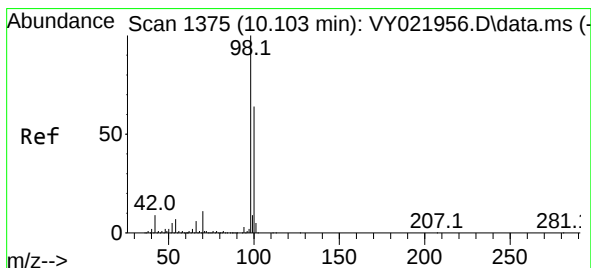
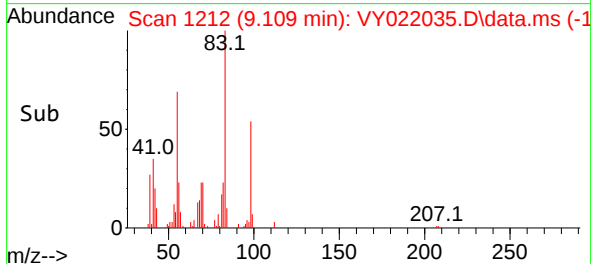
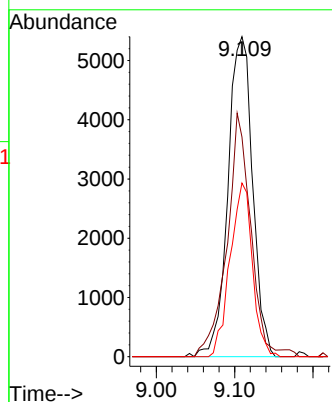
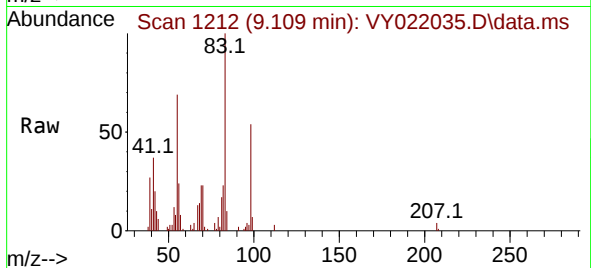
Tgt Ion: 83 Resp: 11847

Ion Ratio Lower Upper

83 100

55 68.6 50.6 75.8

98 54.3 38.6 58.0



#50

Toluene-d8

Concen: 48.371 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022035.D

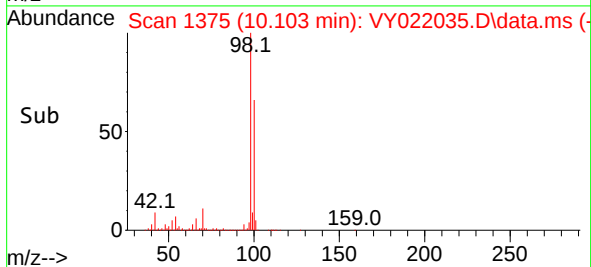
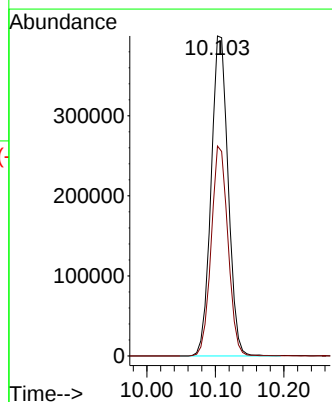
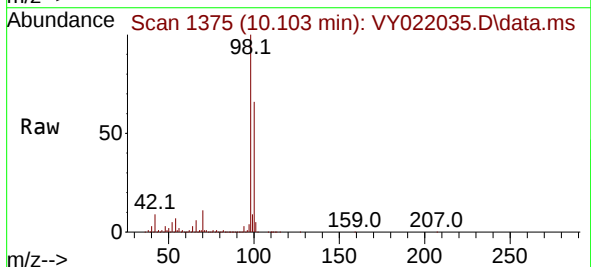
Acq: 28 Apr 2025 16:39

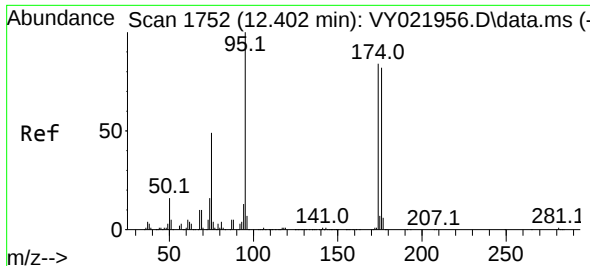
Tgt Ion: 98 Resp: 690012

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

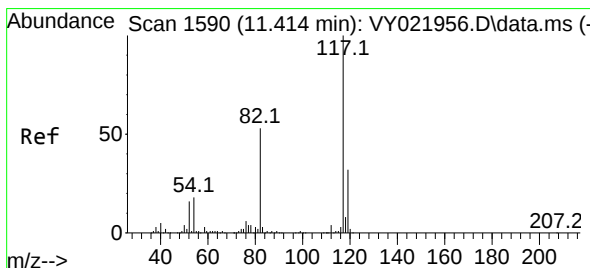
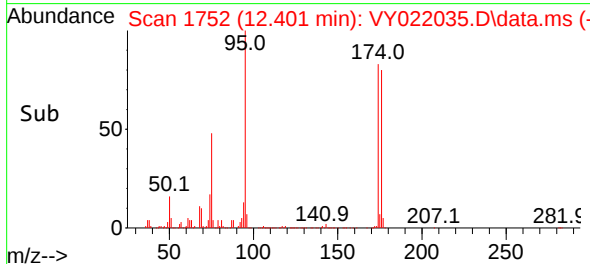
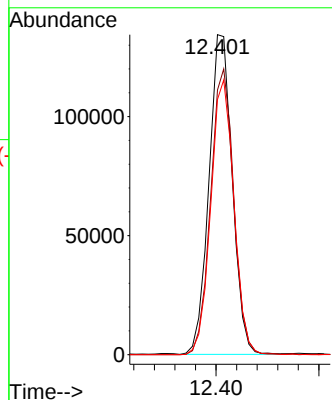
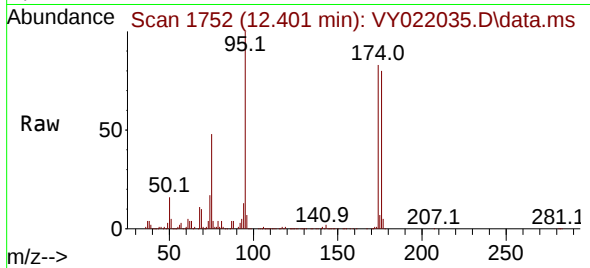




#62
4-Bromofluorobenzene
Concen: 43.993 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

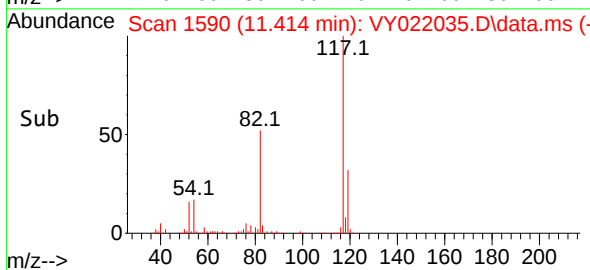
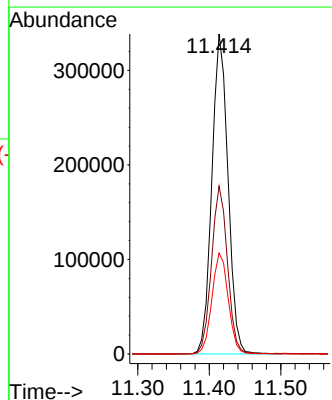
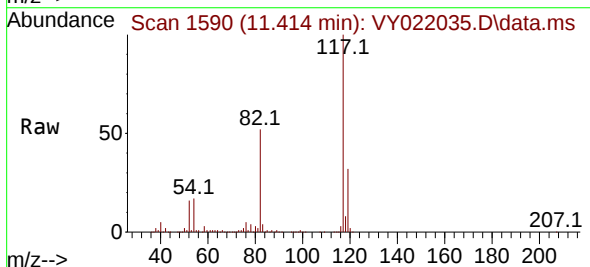
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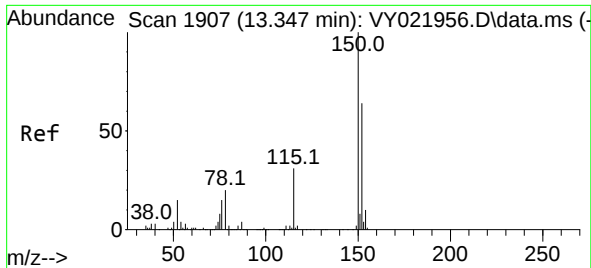
Tgt Ion: 95 Resp: 211261
Ion Ratio Lower Upper
95 100
174 88.6 0.0 179.0
176 85.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

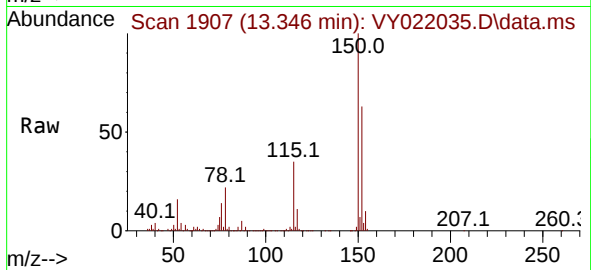
Tgt Ion: 117 Resp: 530446
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 31.6 25.7 38.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022035.D
Acq: 28 Apr 2025 16:39

Instrument :
MSVOA_Y
ClientSampleId :
295-BERGEN-RO



Tgt Ion:	152	Resp:	215285
Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	156.8	0.0	345.6

