

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031983.D
 Acq On : 01 Aug 2025 14:09
 Operator : SY/MD
 Sample : Q2741-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-07312025

Quant Time: Aug 01 23:13:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

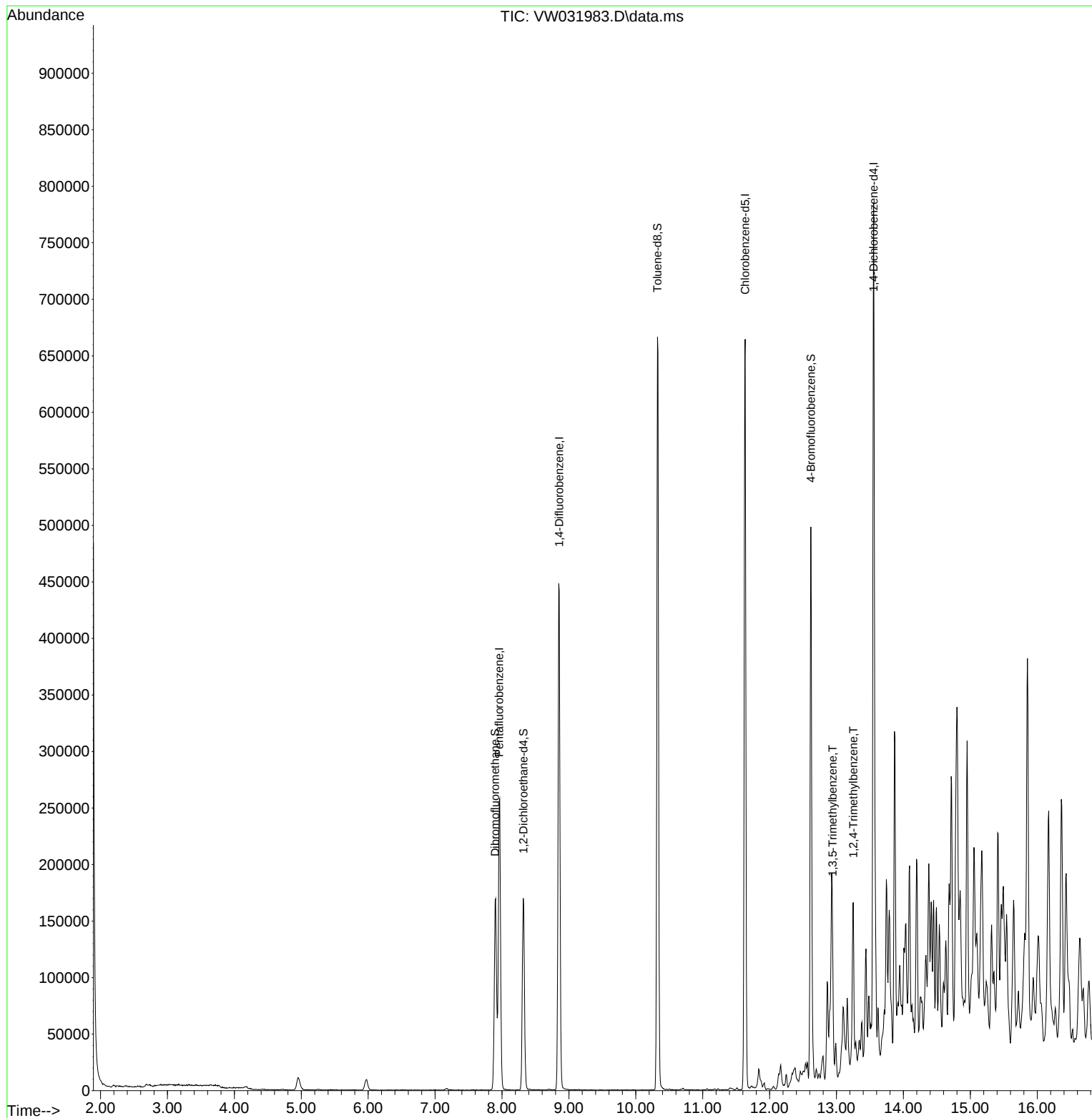
Internal Standards						
1) Pentafluorobenzene	7.959	168	181440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	376337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142340	51.859	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	103.720%
35) Dibromofluoromethane	7.898	113	125455	49.058	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.120%
50) Toluene-d8	10.325	98	448838	46.375	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.760%
62) 4-Bromofluorobenzene	12.617	95	174406	46.930	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.860%
Target Compounds						
80) 1,3,5-Trimethylbenzene	12.940	105	28523	2.185	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	84454	6.393	ug/l	99

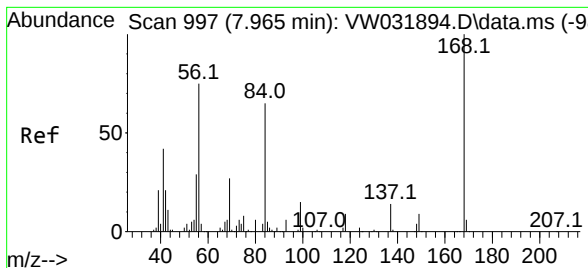
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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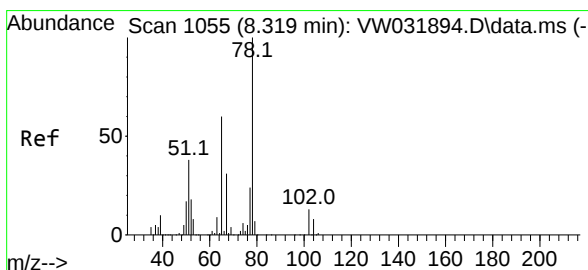
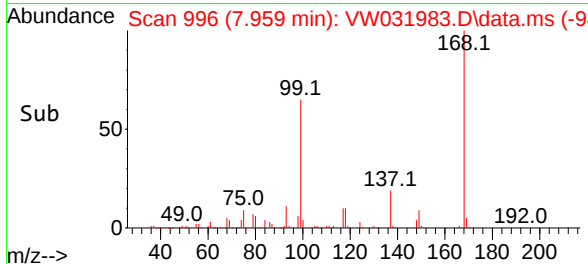
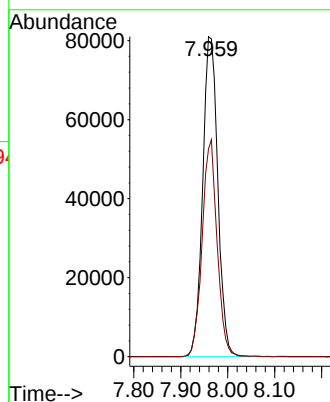
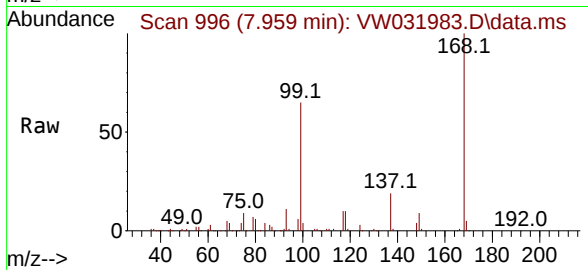




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

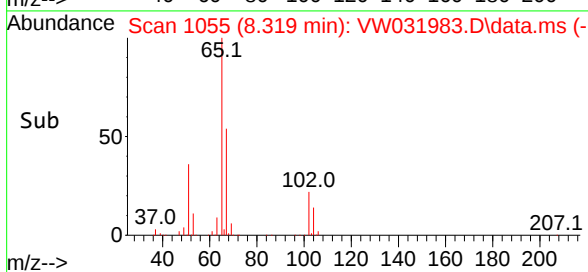
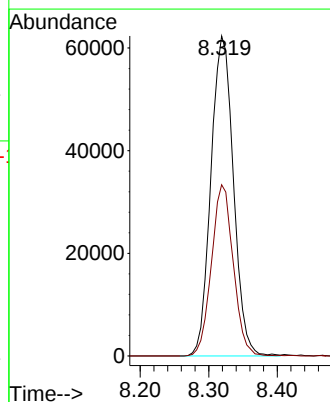
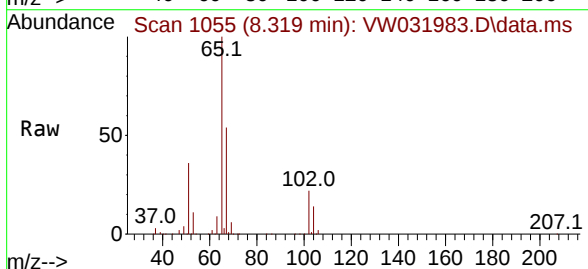
Instrument :
MSVOA_W
ClientSampleId :
TR-05-07312025

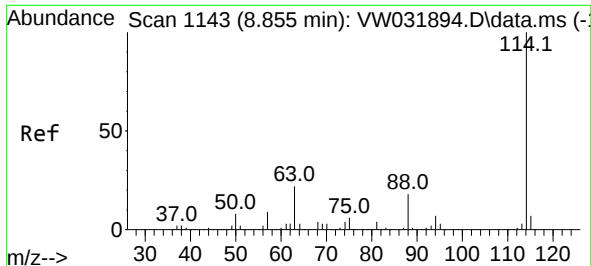
Tgt Ion:168 Resp: 181440
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 51.859 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 65 Resp: 142340
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW031983.D

Acq: 01 Aug 2025 14:09

Instrument :

MSVOA_W

ClientSampleId :

TR-05-07312025

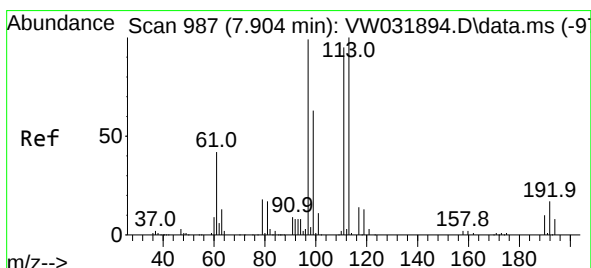
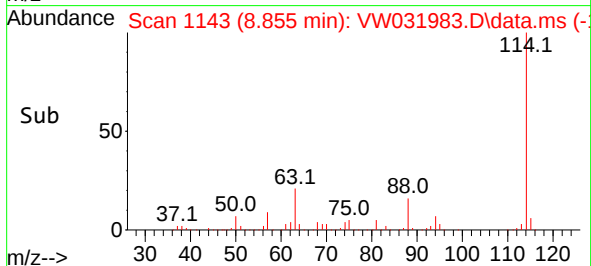
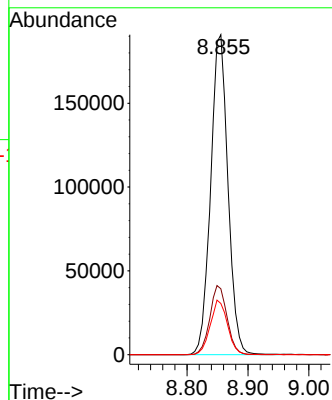
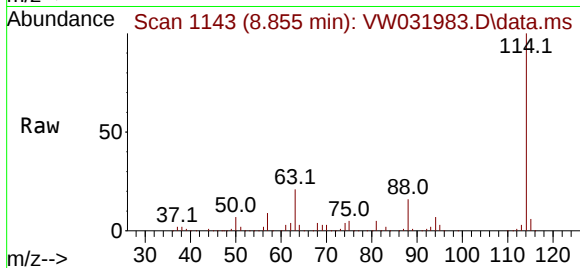
Tgt Ion:114 Resp: 376337

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

88 16.0 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.058 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031983.D

Acq: 01 Aug 2025 14:09

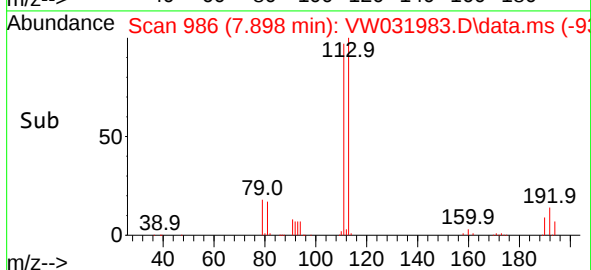
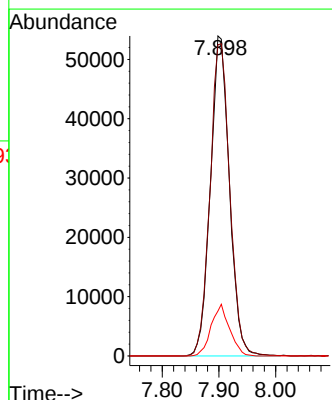
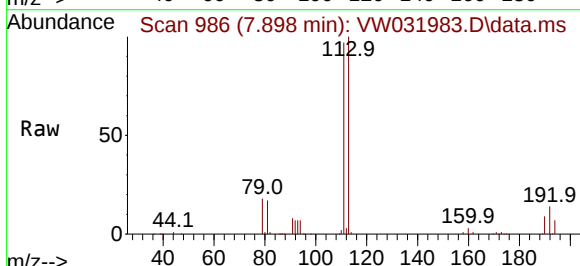
Tgt Ion:113 Resp: 125455

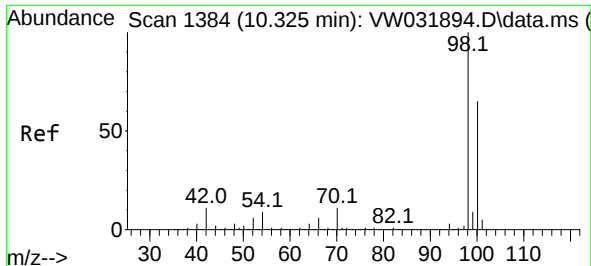
Ion Ratio Lower Upper

113 100

111 101.7 79.9 119.9

192 15.7 12.6 19.0

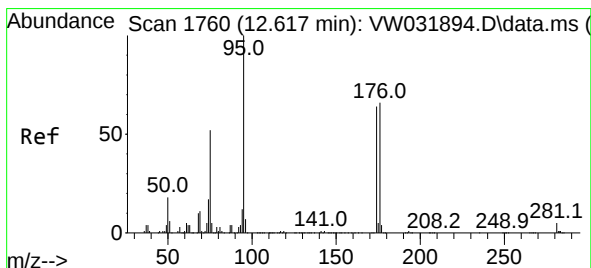
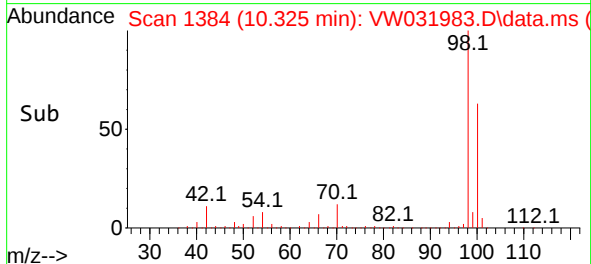
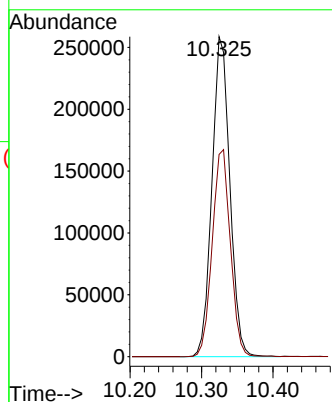
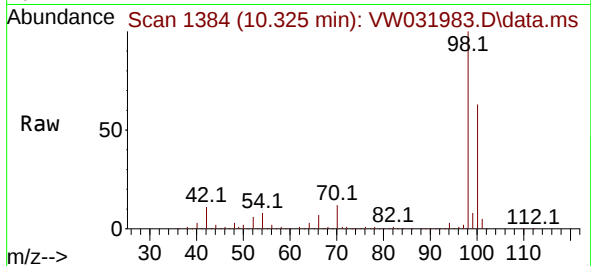




#50
Toluene-d8
Concen: 46.375 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

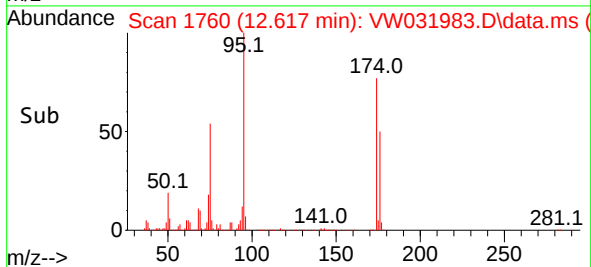
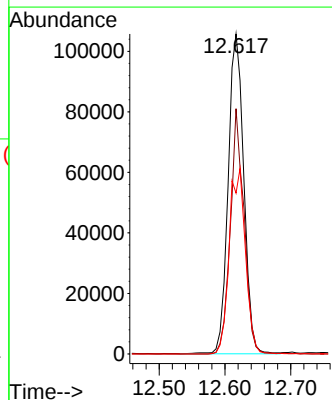
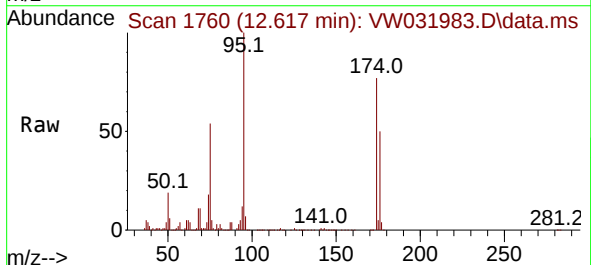
Instrument :
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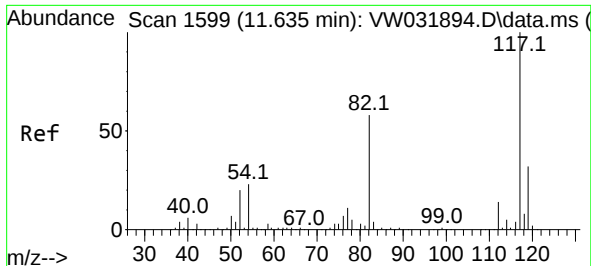
Tgt Ion: 98 Resp: 448838
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.930 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion: 95 Resp: 174406
Ion Ratio Lower Upper
95 100
174 67.5 0.0 129.8
176 60.5 0.0 130.4

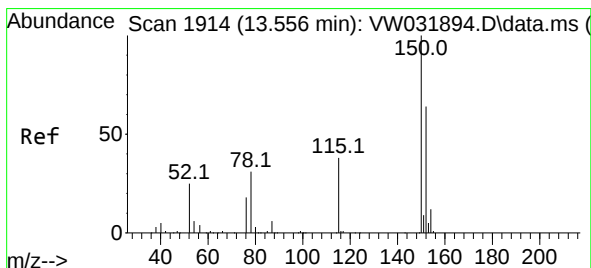
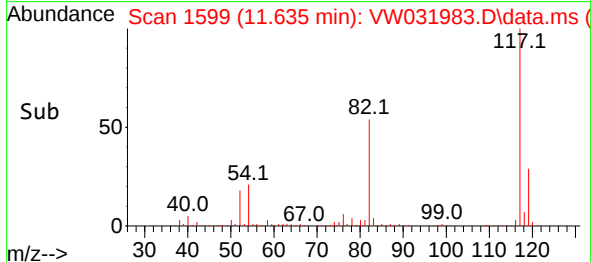
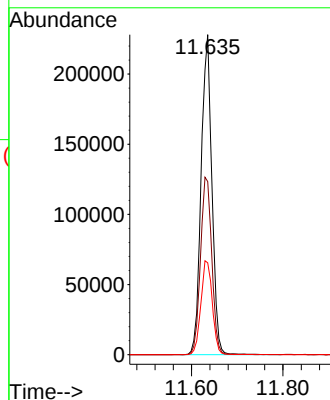
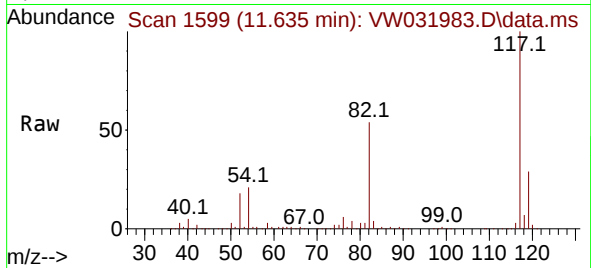




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

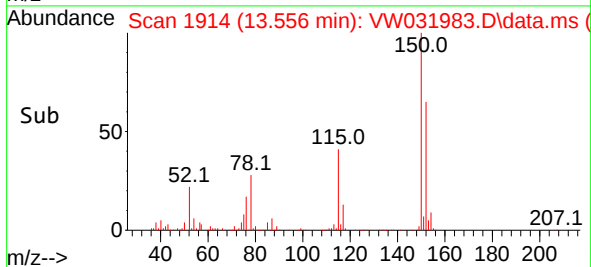
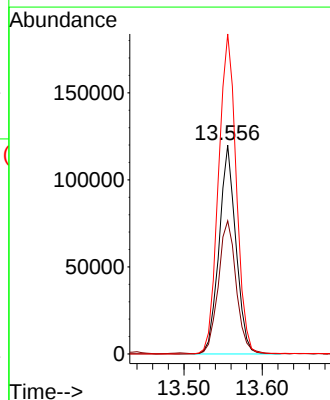
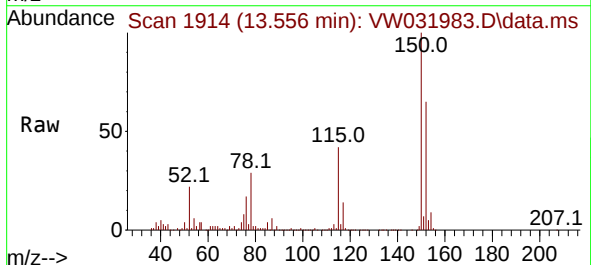
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ClientSampleId :
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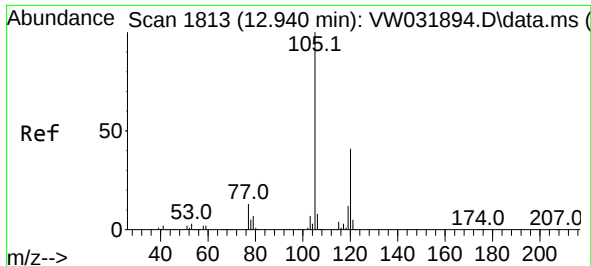
Tgt Ion:117 Resp: 371268
Ion Ratio Lower Upper
117 100
82 54.1 46.5 69.7
119 28.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion:152 Resp: 179363
Ion Ratio Lower Upper
152 100
115 67.7 33.4 100.1
150 162.1 0.0 352.2

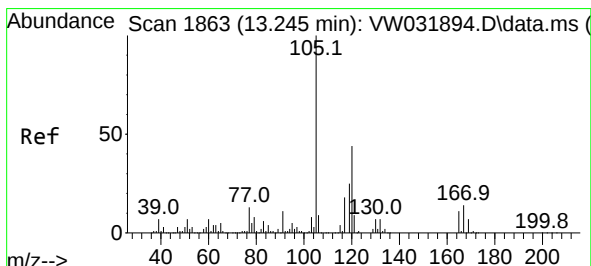
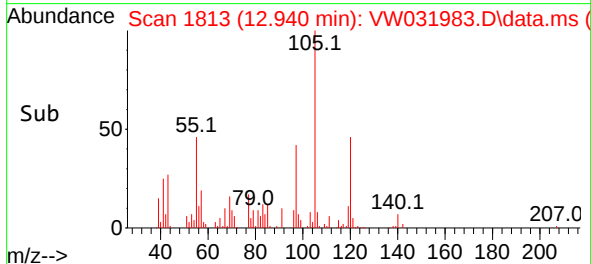
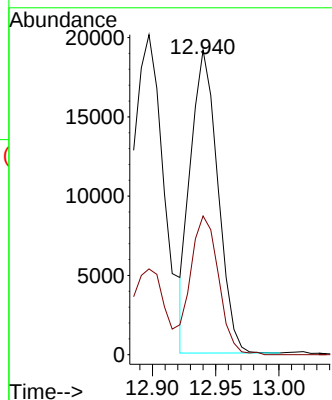
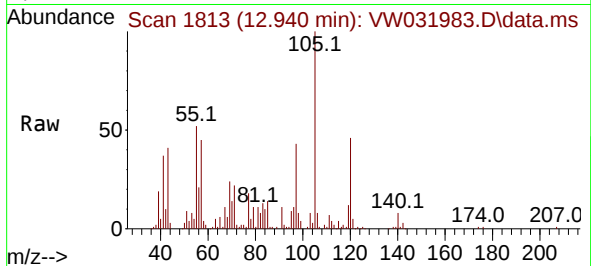




#80
1,3,5-Trimethylbenzene
Concen: 2.185 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Instrument :
MSVOA_W
ClientSampleId :
TR-05-07312025

Tgt Ion:105 Resp: 28523
Ion Ratio Lower Upper
105 100
120 48.5 23.5 70.5



#84
1,2,4-Trimethylbenzene
Concen: 6.393 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031983.D
Acq: 01 Aug 2025 14:09

Tgt Ion:105 Resp: 84454
Ion Ratio Lower Upper
105 100
120 43.1 21.3 63.9

