

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
 Data File : VW031886.D
 Acq On : 17 Jul 2025 13:49
 Operator : SY/MD
 Sample : Q2621-01RE
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-07162025RE

Quant Time: Jul 18 02:52:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	8439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	15173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	13399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	5671	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	6685	55.198	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.400%
35) Dibromofluoromethane	7.898	113	6150	62.115	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	124.220%
50) Toluene-d8	10.331	98	17524	47.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.617	95	6981	51.485	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.980%

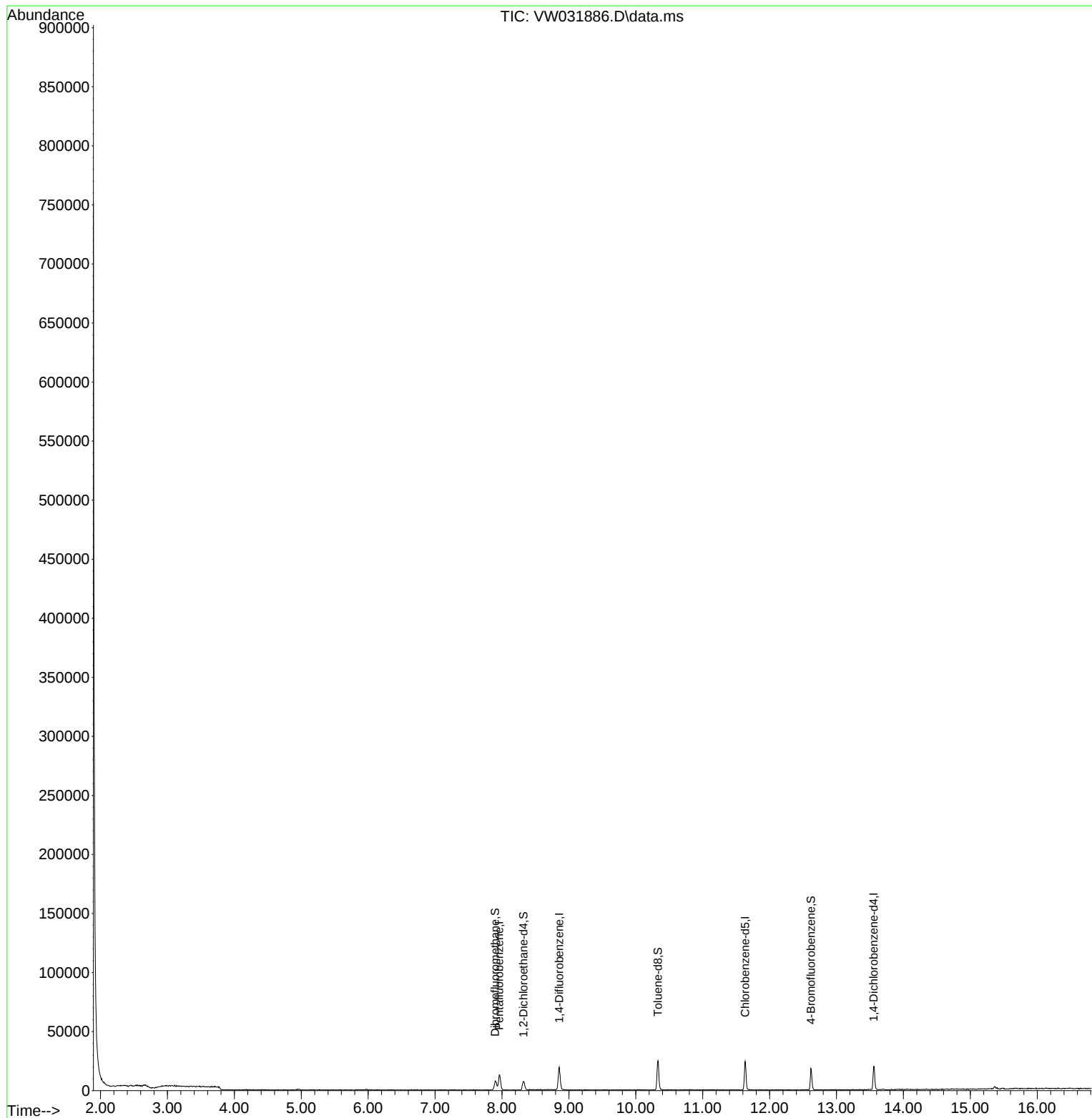
Target Compounds	Qvalue

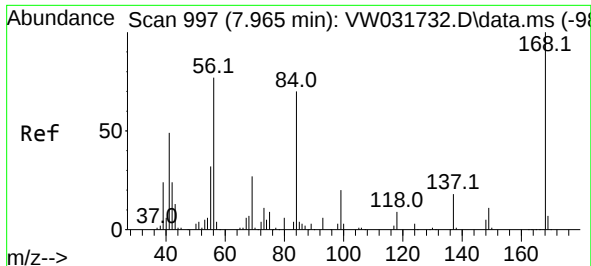
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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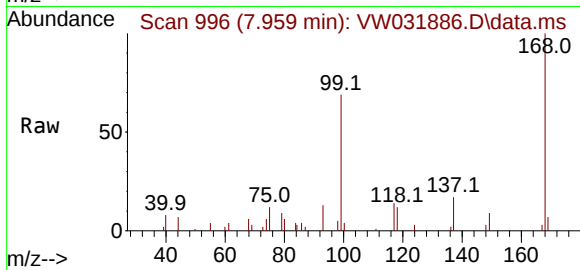
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
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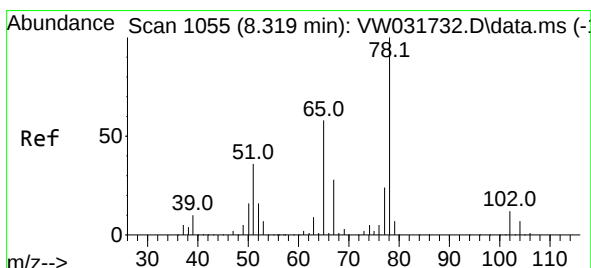
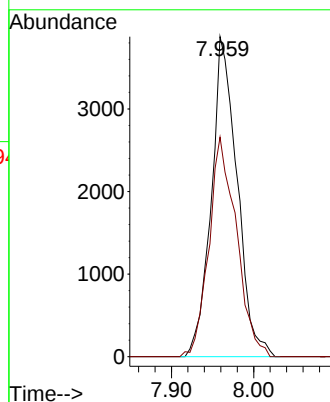
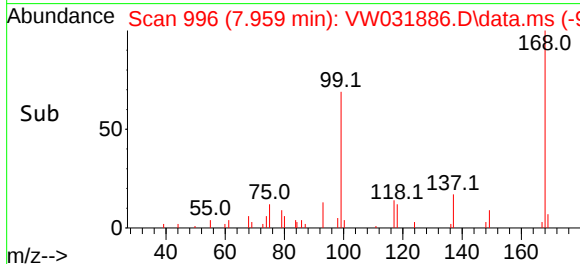


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Instrument :
MSVOA_W
ClientSampleId :
TR-05-07162025RE

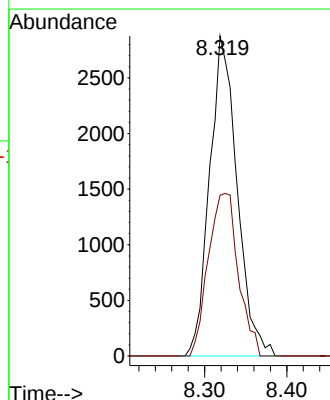
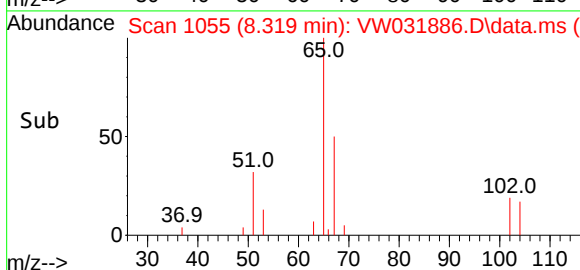
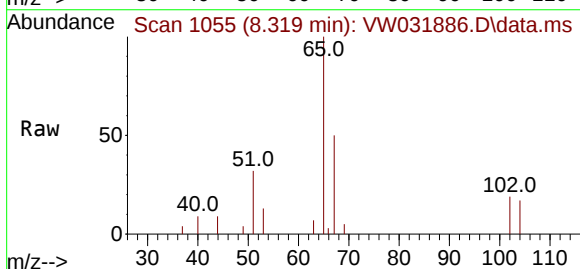


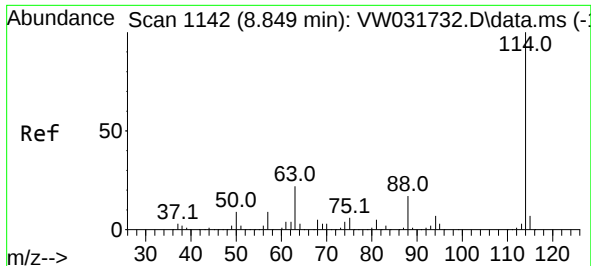
Tgt Ion:168 Resp: 8439
Ion Ratio Lower Upper
168 100
99 68.6 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 55.198 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Tgt Ion: 65 Resp: 6685
Ion Ratio Lower Upper
65 100
67 55.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031886.D

Acq: 17 Jul 2025 13:49

Instrument :

MSVOA_W

ClientSampleId :

TR-05-07162025RE

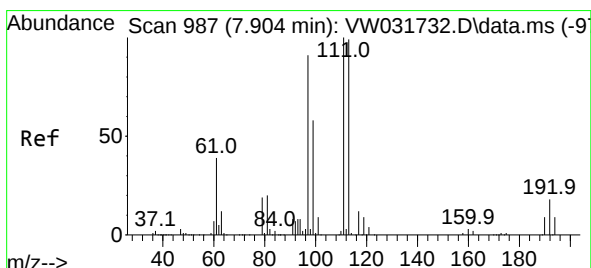
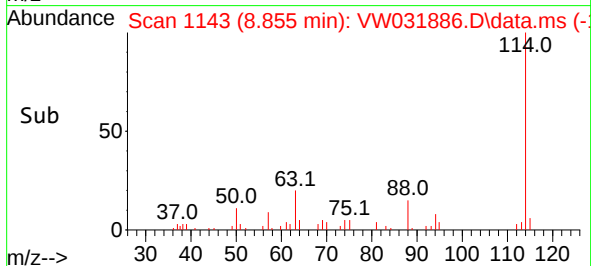
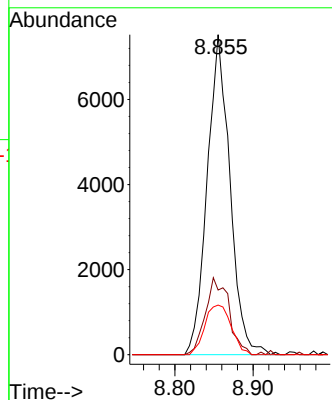
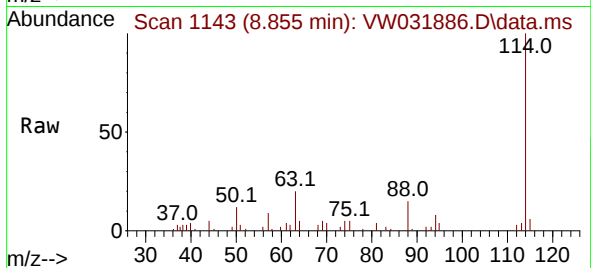
Tgt Ion:114 Resp: 15173

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.6

88 15.5 0.0 34.2



#35

Dibromofluoromethane

Concen: 62.115 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031886.D

Acq: 17 Jul 2025 13:49

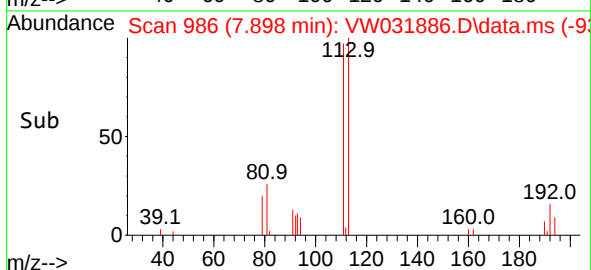
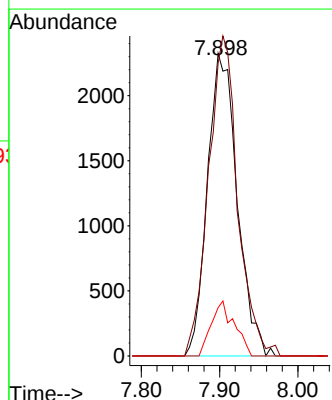
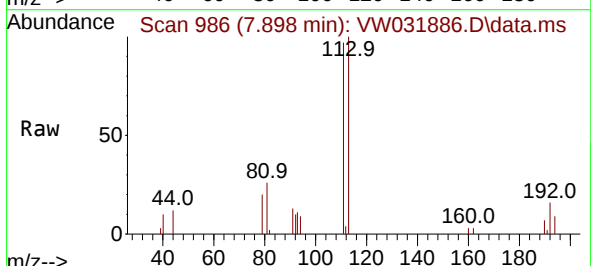
Tgt Ion:113 Resp: 6150

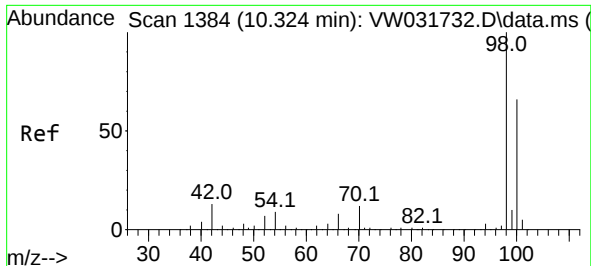
Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

192 14.0 13.8 20.6

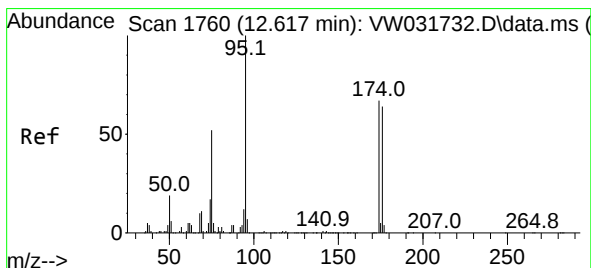
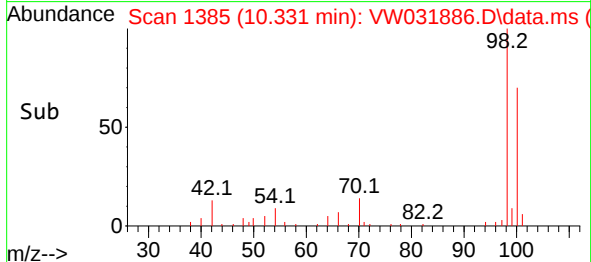
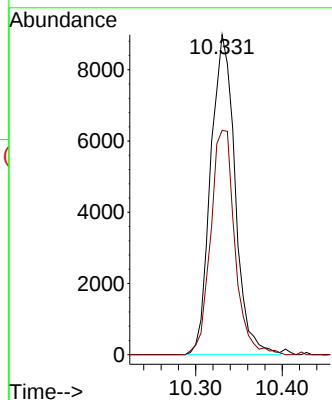
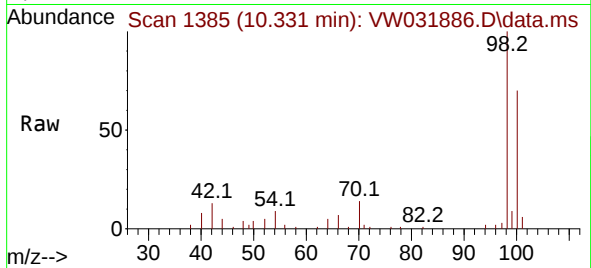




#50
Toluene-d8
Concen: 47.560 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

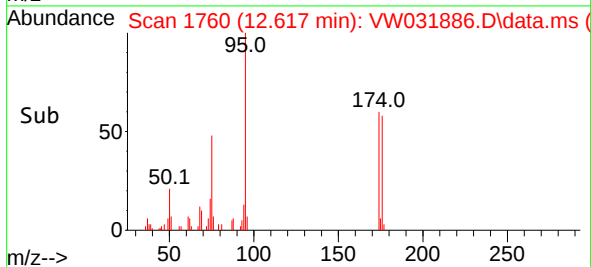
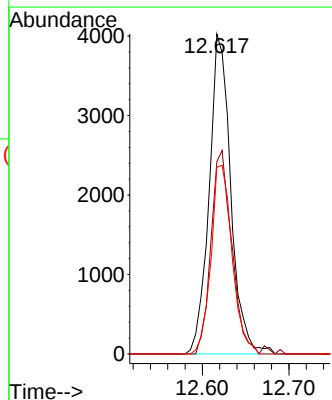
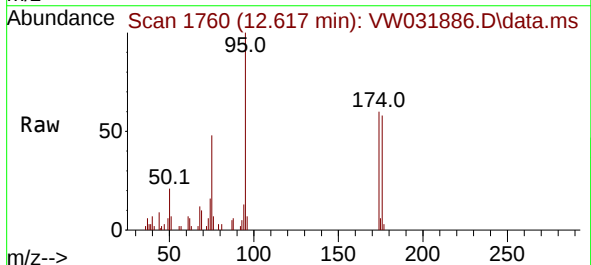
Instrument :
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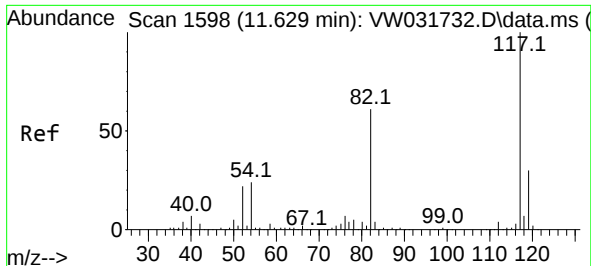
Tgt Ion: 98 Resp: 17524
Ion Ratio Lower Upper
98 100
100 69.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.485 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Tgt Ion: 95 Resp: 6981
Ion Ratio Lower Upper
95 100
174 61.0 0.0 133.8
176 57.8 0.0 126.0

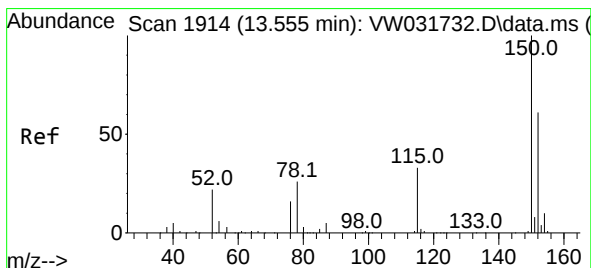
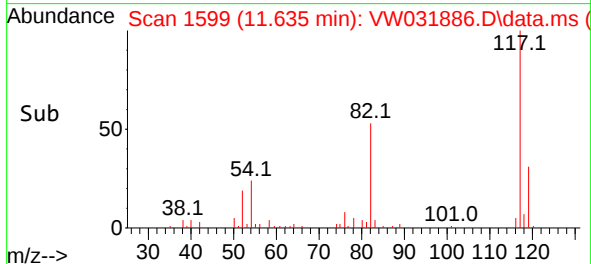
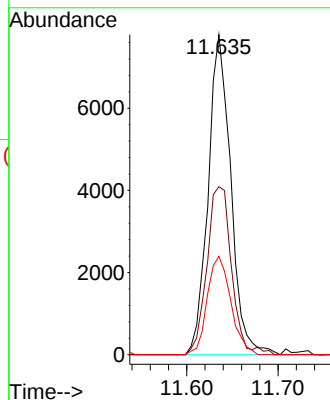
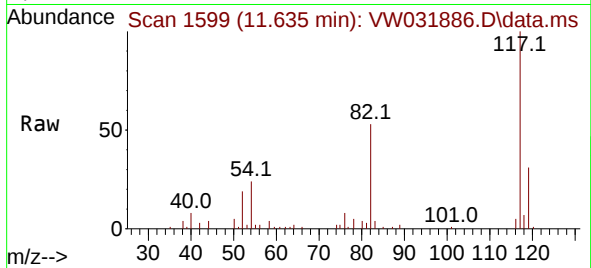




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Instrument :
MSVOA_W
ClientSampleId :
TR-05-07162025RE

Tgt Ion:	117	Resp:	13399
Ion Ratio	Lower	Upper	
117	100		
82	52.5	48.6	72.8
119	30.7	23.9	35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Tgt Ion:	152	Resp:	5671
Ion Ratio	Lower	Upper	
152	100		
115	68.3	31.9	95.7
150	143.8	0.0	356.4

