

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031868.D
 Acq On : 16 Jul 2025 11:23
 Operator : SY/MD
 Sample : Q2612-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-071525

Quant Time: Jul 17 04:01:02 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)

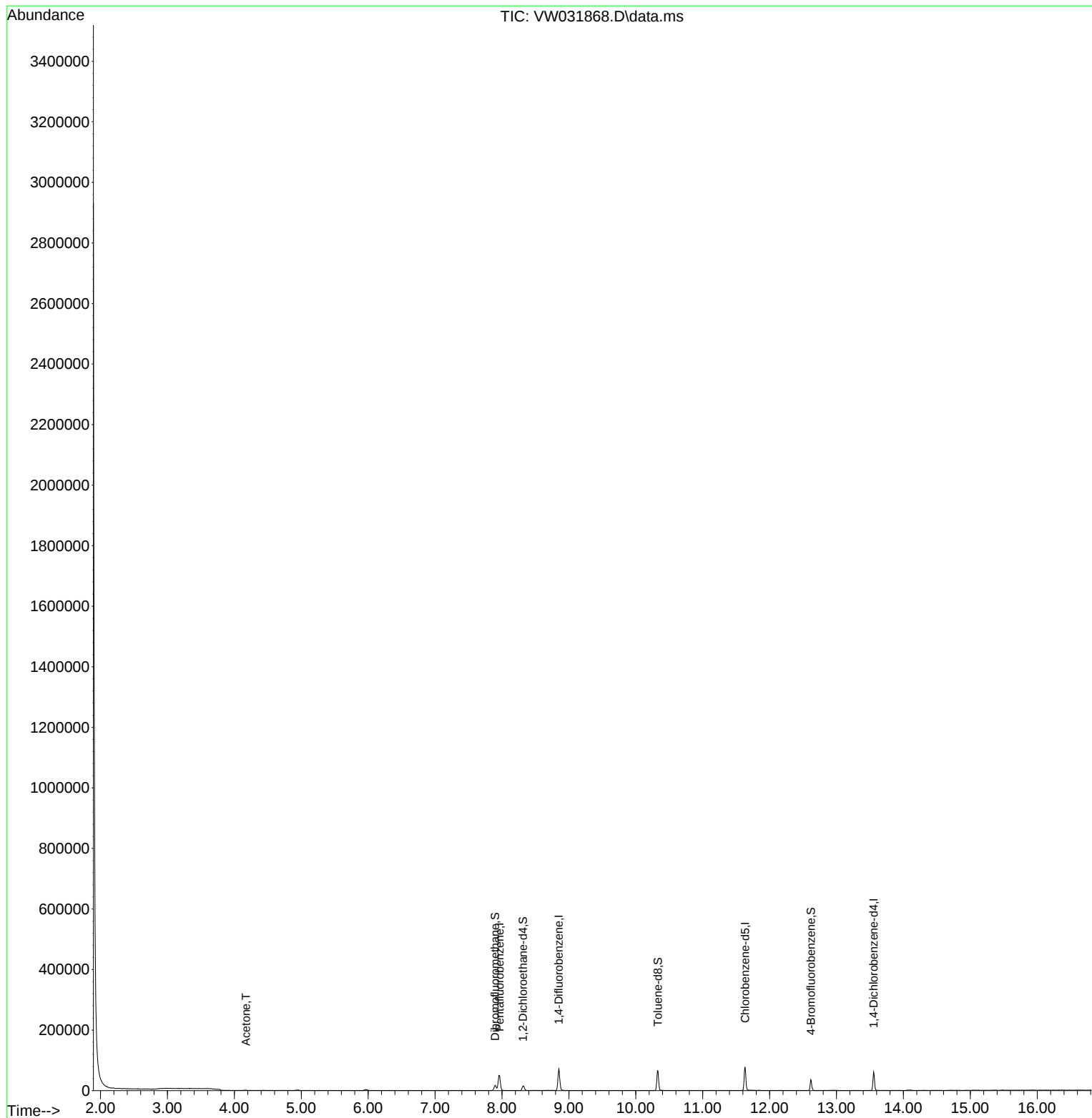
Internal Standards						
1) Pentafluorobenzene	7.965	168	34795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	57596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	43421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	15334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	13041	26.116	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	52.240%#
35) Dibromofluoromethane	7.898	113	12737	33.890	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	67.780%#
50) Toluene-d8	10.331	98	46571	33.297	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	66.600%#
62) 4-Bromofluorobenzene	12.617	95	12556	24.395	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	48.780%
Target Compounds						
16) Acetone	4.173	43	2025m	16.407	ug/l	Qvalue

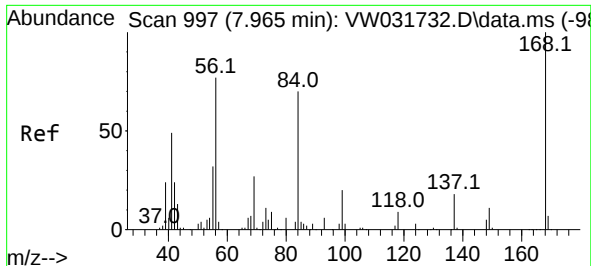
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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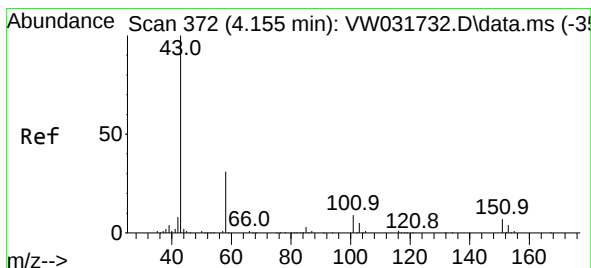
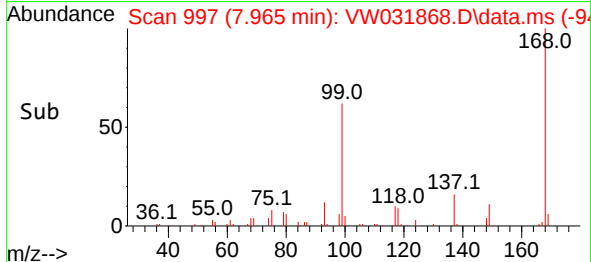
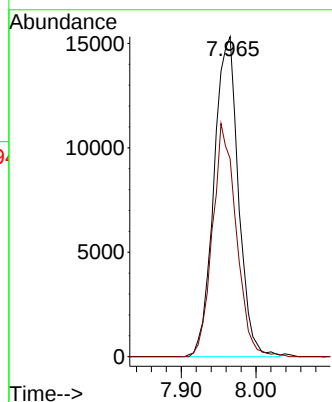
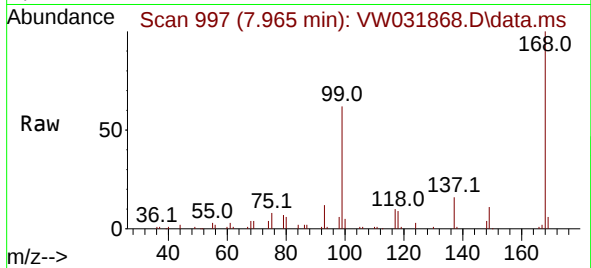




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

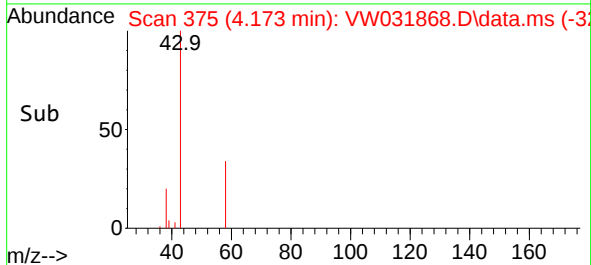
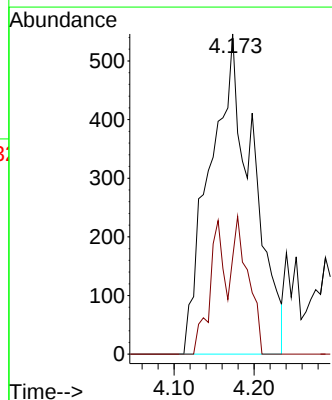
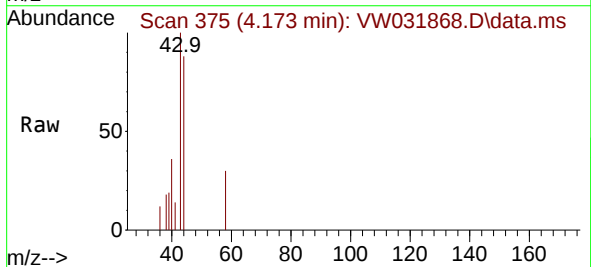
Instrument :
MSVOA_W
ClientSampleId :
OR-02-071525

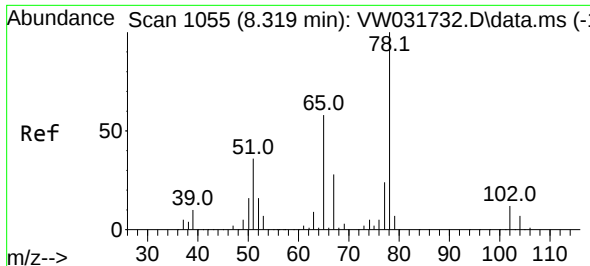
Tgt Ion:168 Resp: 34795
Ion Ratio Lower Upper
168 100
99 61.9 49.4 74.2



#16
Acetone
Concen: 16.407 ug/l m
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2

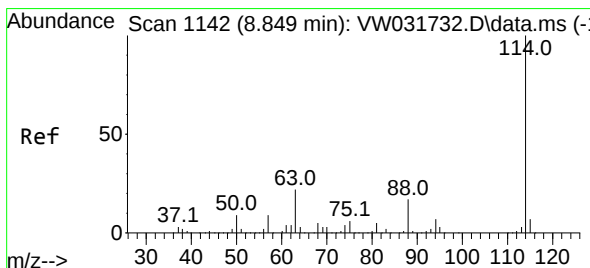
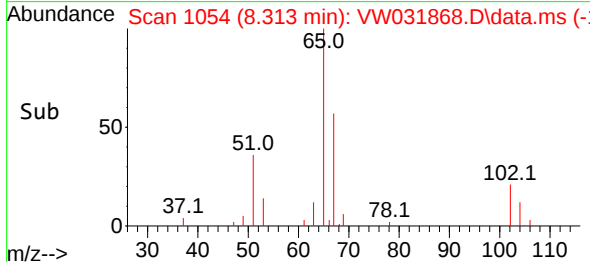
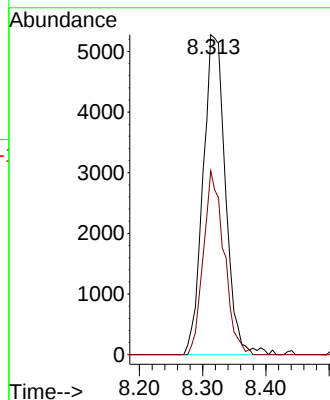
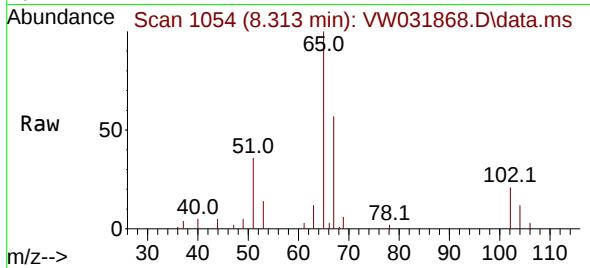




#33
 1,2-Dichloroethane-d4
 Concen: 26.116 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW031868.D
 Acq: 16 Jul 2025 11:23

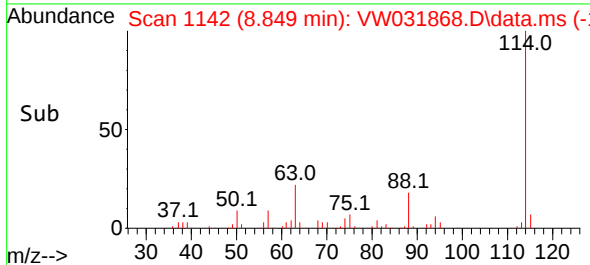
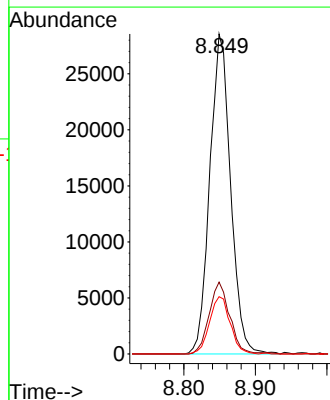
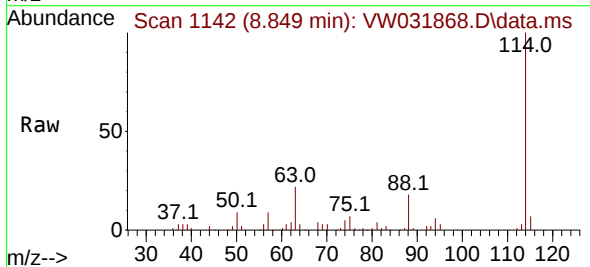
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-071525

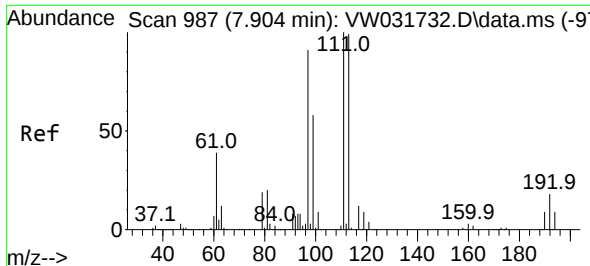
Tgt Ion: 65 Resp: 13041
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031868.D
 Acq: 16 Jul 2025 11:23

Tgt Ion: 114 Resp: 57596
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.6
 88 17.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 33.890 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031868.D

Acq: 16 Jul 2025 11:23

Instrument :

MSVOA_W

ClientSampleId :

OR-02-071525

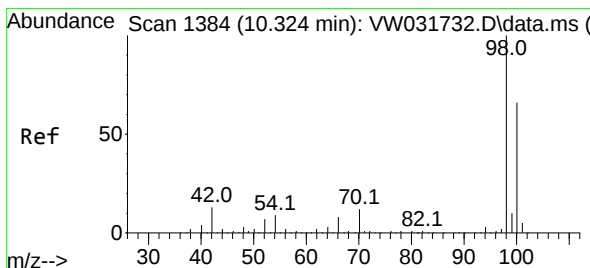
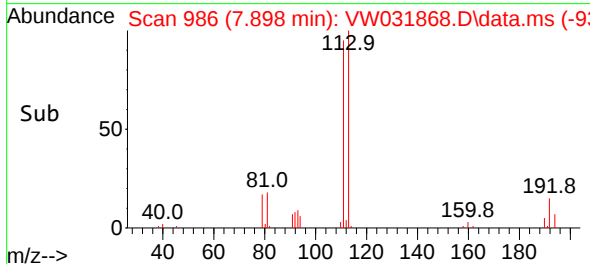
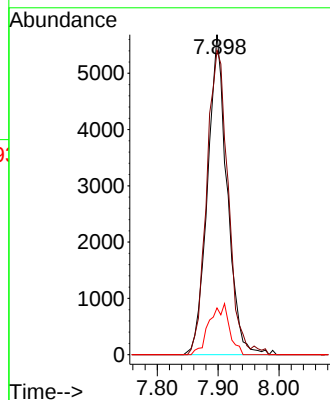
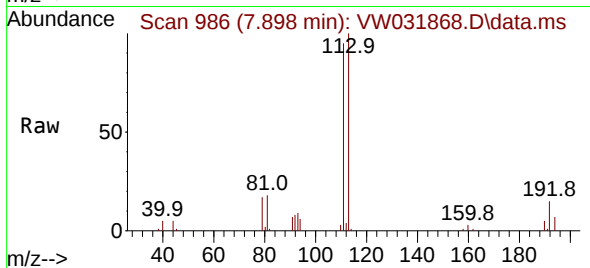
Tgt Ion:113 Resp: 12737

Ion Ratio Lower Upper

113 100

111 103.9 82.1 123.1

192 16.3 13.8 20.6



#50

Toluene-d8

Concen: 33.297 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031868.D

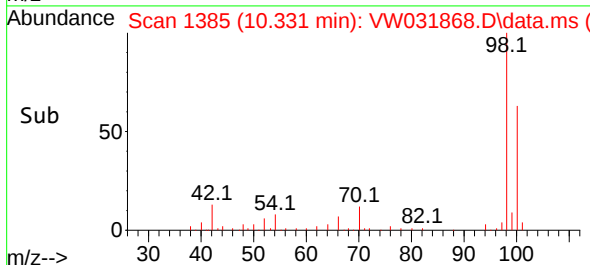
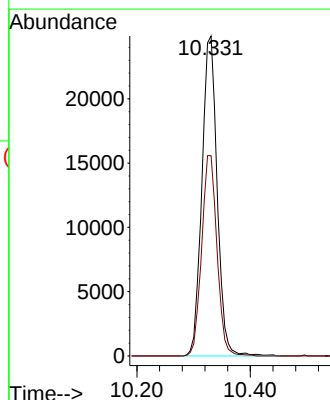
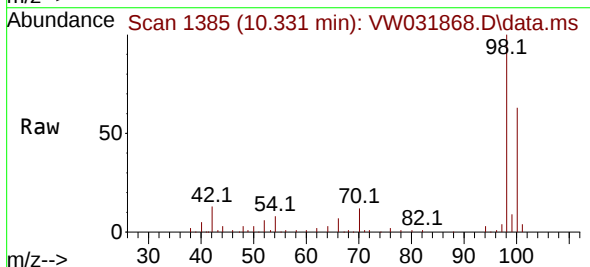
Acq: 16 Jul 2025 11:23

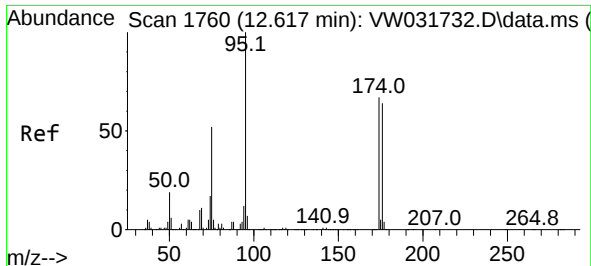
Tgt Ion: 98 Resp: 46571

Ion Ratio Lower Upper

98 100

100 62.9 53.0 79.4

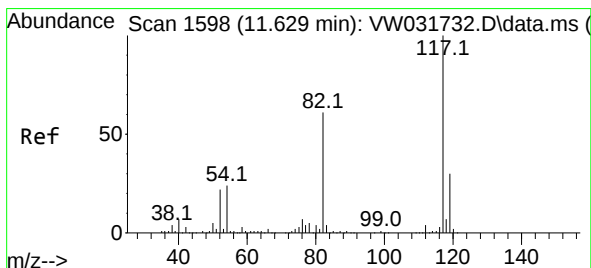
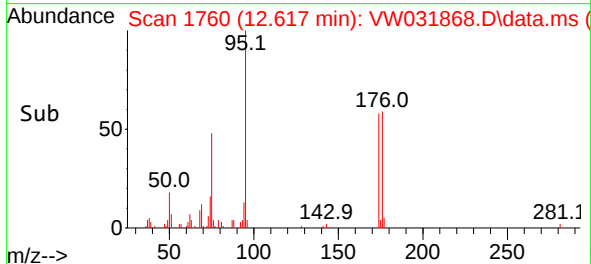
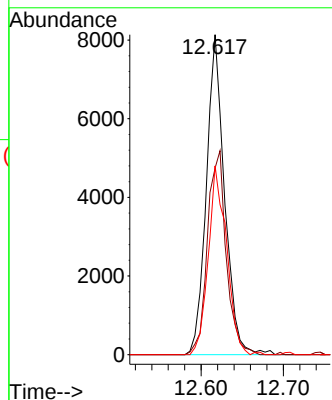
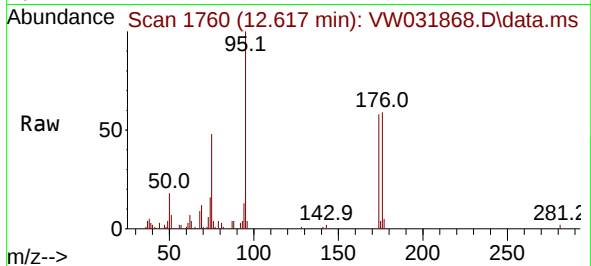




#62
4-Bromofluorobenzene
Concen: 24.395 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

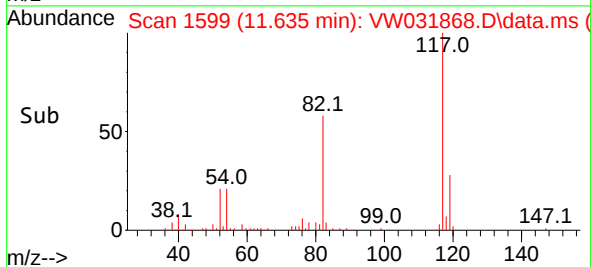
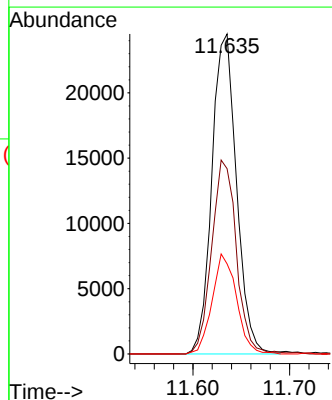
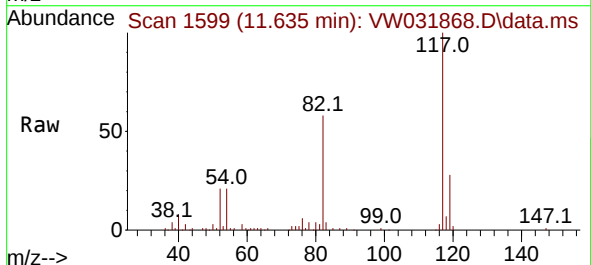
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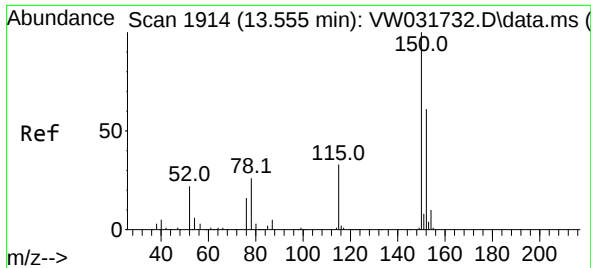
Tgt Ion:	95	Resp:	12556
Ion	Ratio	Lower	Upper
95	100		
174	65.5	0.0	133.8
176	59.4	0.0	126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

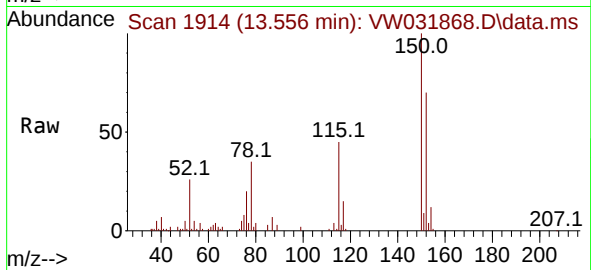
Tgt Ion:	117	Resp:	43421
Ion	Ratio	Lower	Upper
117	100		
82	57.9	48.6	72.8
119	28.1	23.9	35.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031868.D
 Acq: 16 Jul 2025 11:23

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-071525



Tgt Ion:	152	Resp:	15334
Ion	Ratio	Lower	Upper
152	100		
115	65.2	31.9	95.7
150	154.9	0.0	356.4

