

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073125\
 Data File : VW031968.D
 Acq On : 31 Jul 2025 14:17
 Operator : SY/MD
 Sample : Q2734-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-253

Quant Time: Aug 01 01:15:33 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)

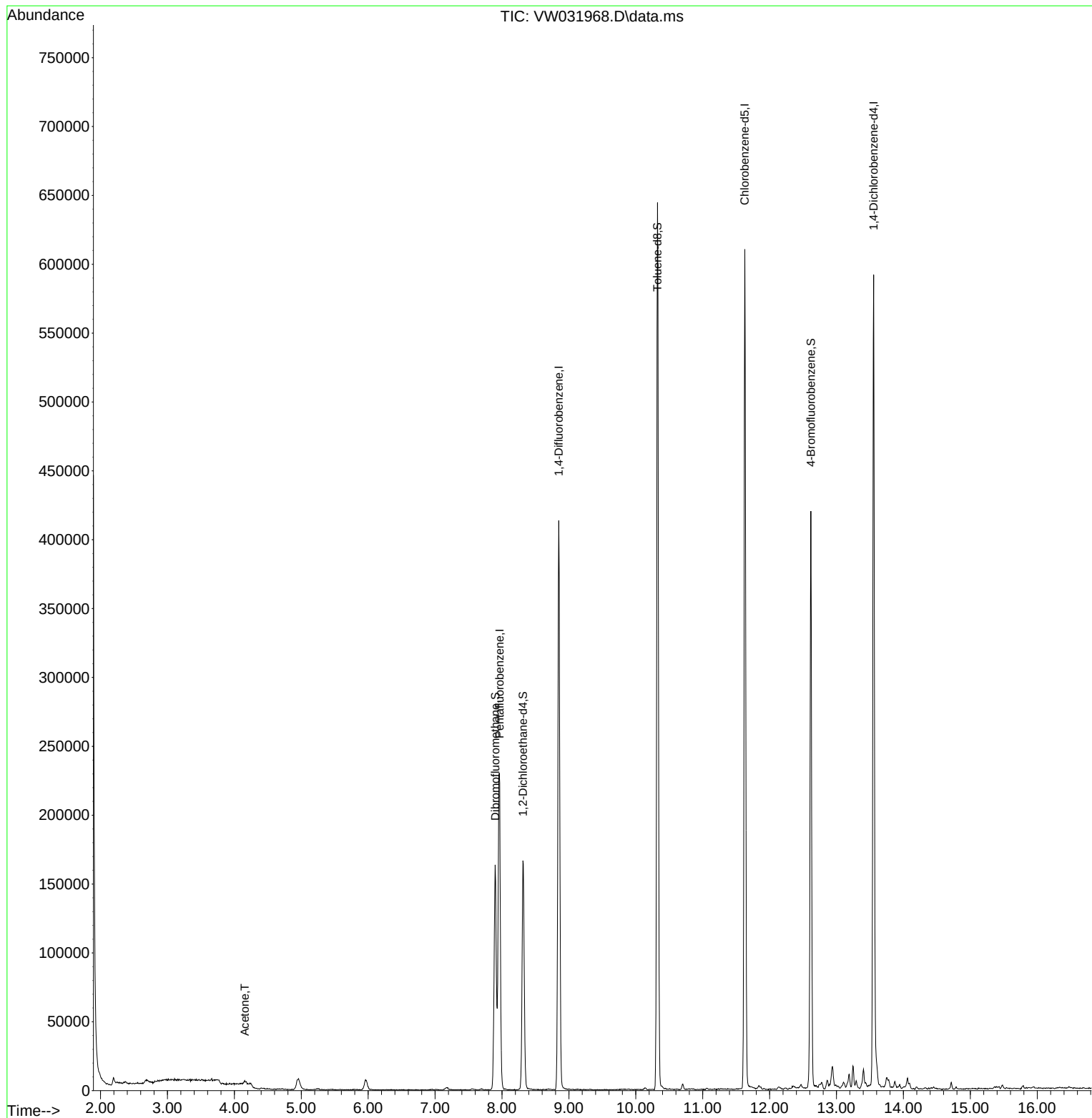
Internal Standards						
1) Pentafluorobenzene	7.965	168	156479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	340992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	329022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	147315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	138808	58.640	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.280%
35) Dibromofluoromethane	7.898	113	116885	50.445	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.880%
50) Toluene-d8	10.325	98	428687	48.884	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.617	95	148884	44.215	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	88.420%
Target Compounds					Qvalue	
16) Acetone	4.155	43	7613	13.553	ug/l	95

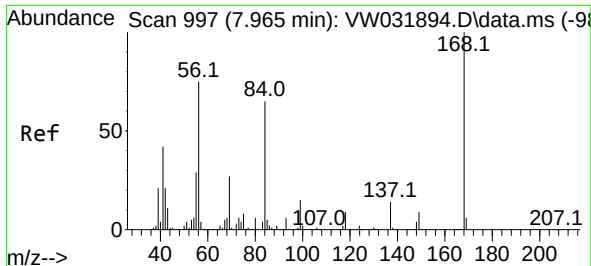
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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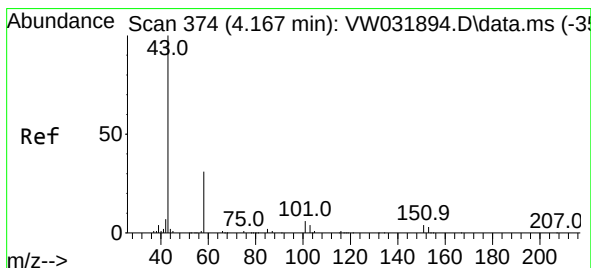
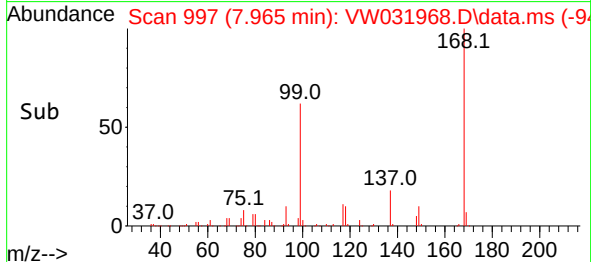
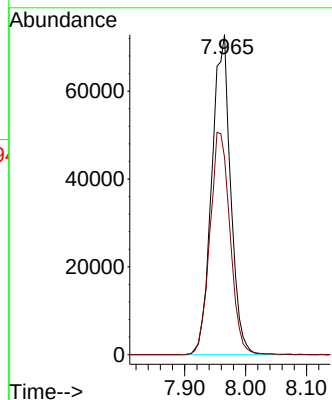
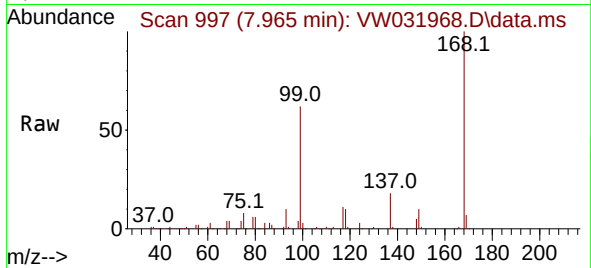




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031968.D
Acq: 31 Jul 2025 14:17

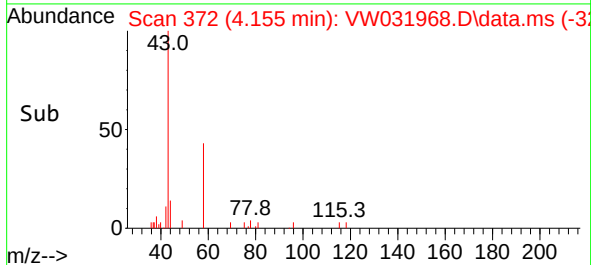
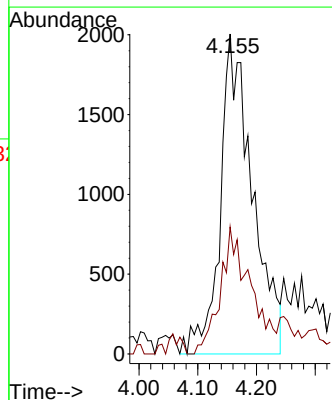
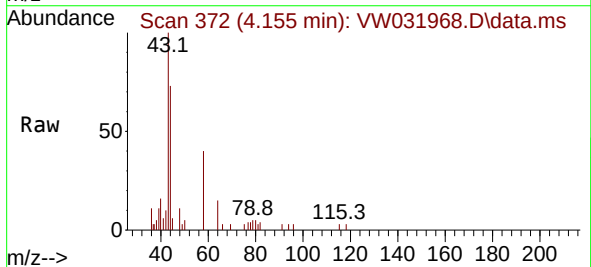
Instrument :
MSVOA_W
ClientSampleId :
VNJ-253

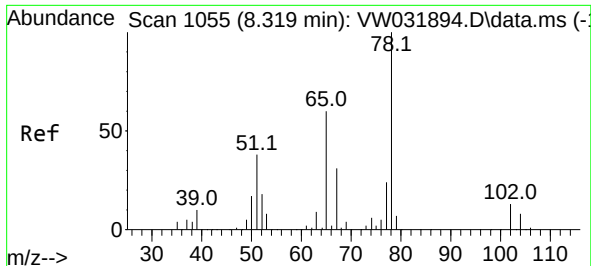
Tgt Ion:168 Resp: 156479
Ion Ratio Lower Upper
168 100
99 61.6 48.2 72.2



#16
Acetone
Concen: 13.553 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031968.D
Acq: 31 Jul 2025 14:17

Tgt Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
58 34.5 25.5 38.3

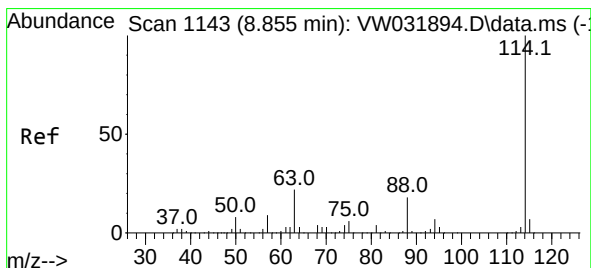
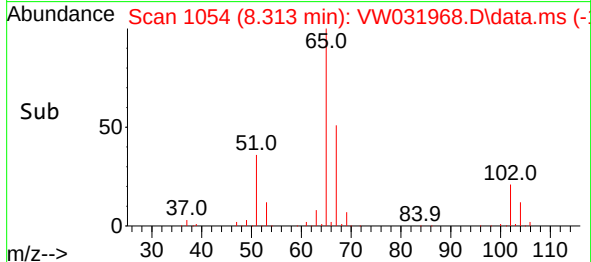
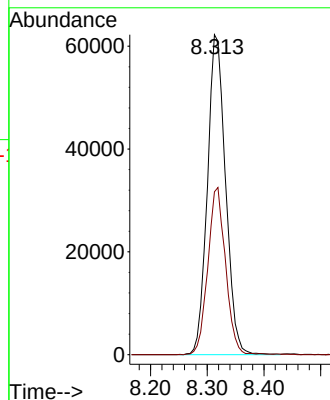
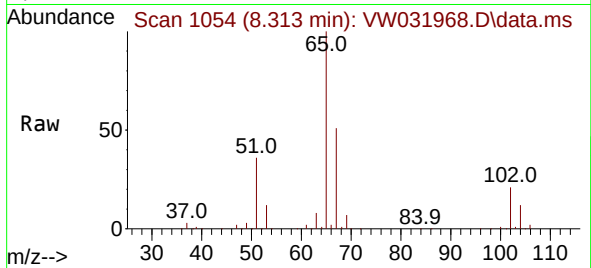




#33
 1,2-Dichloroethane-d4
 Concen: 58.640 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW031968.D
 Acq: 31 Jul 2025 14:17

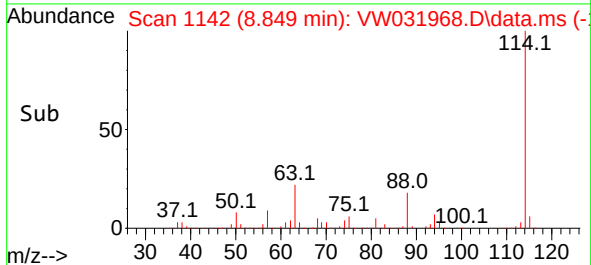
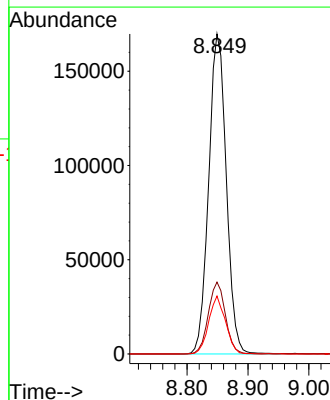
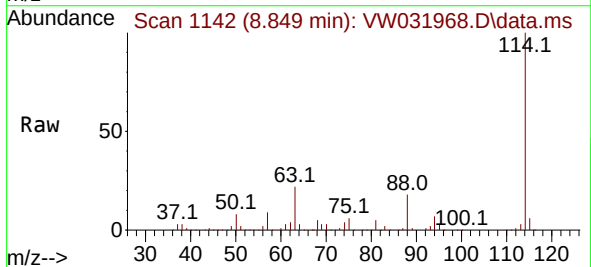
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-253

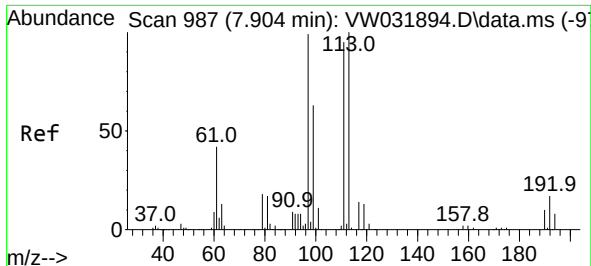
Tgt Ion: 65 Resp: 138808
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031968.D
 Acq: 31 Jul 2025 14:17

Tgt Ion: 114 Resp: 340992
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 18.1 0.0 35.6





#35

Dibromofluoromethane

Concen: 50.445 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031968.D

Acq: 31 Jul 2025 14:17

Instrument :

MSVOA_W

ClientSampleId :

VNJ-253

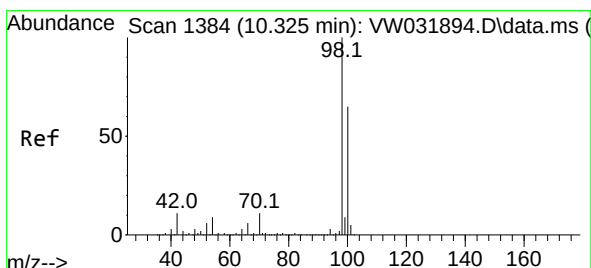
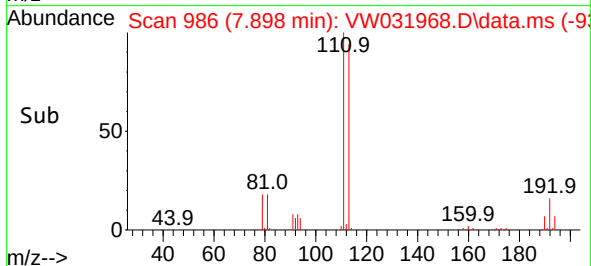
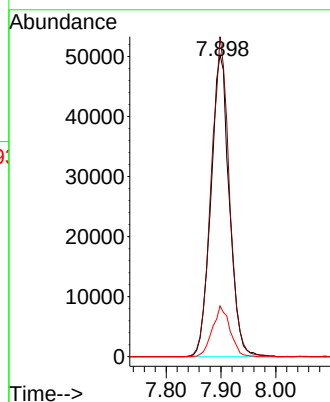
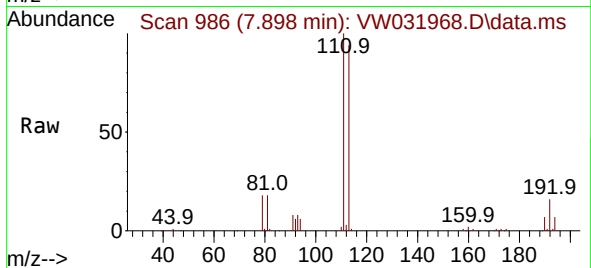
Tgt Ion:113 Resp: 116885

Ion Ratio Lower Upper

113 100

111 104.2 79.9 119.9

192 16.1 12.6 19.0



#50

Toluene-d8

Concen: 48.884 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW031968.D

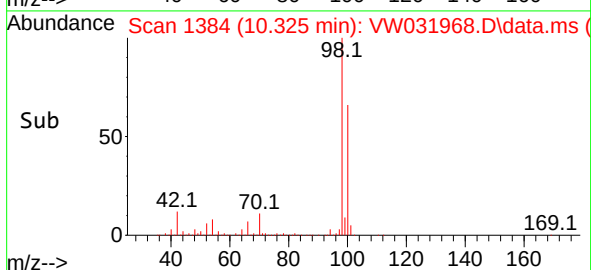
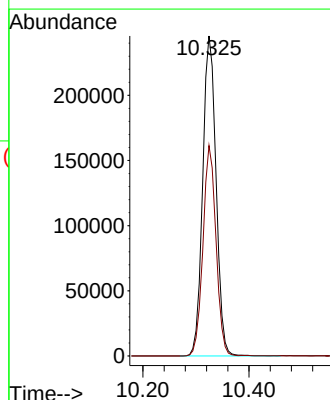
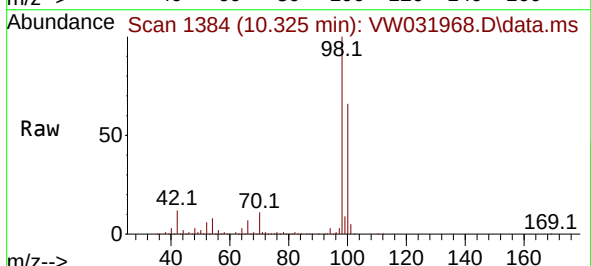
Acq: 31 Jul 2025 14:17

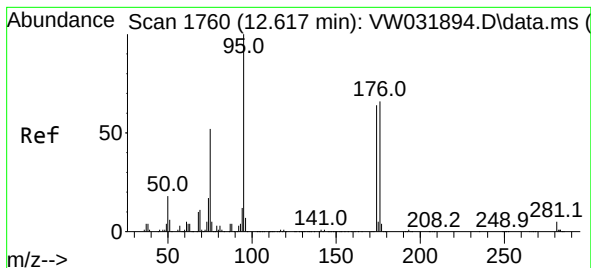
Tgt Ion: 98 Resp: 428687

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5

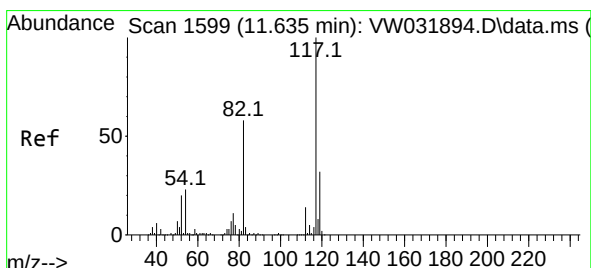
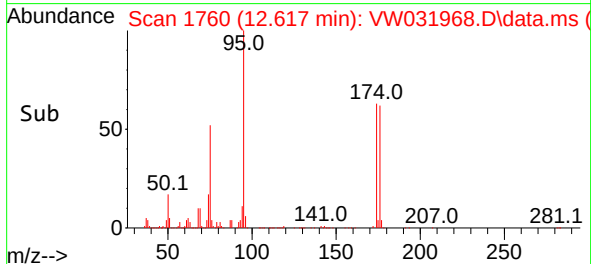
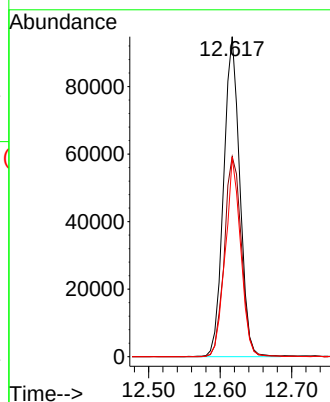
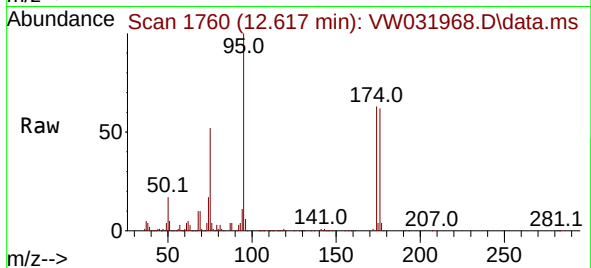




#62
4-Bromofluorobenzene
Concen: 44.215 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031968.D
Acq: 31 Jul 2025 14:17

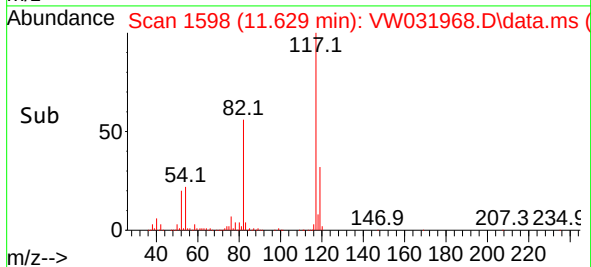
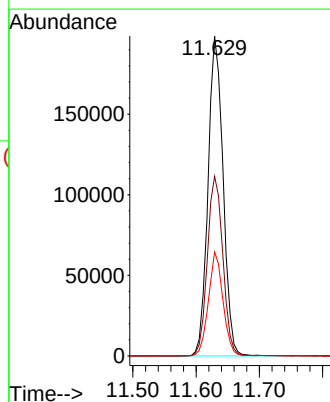
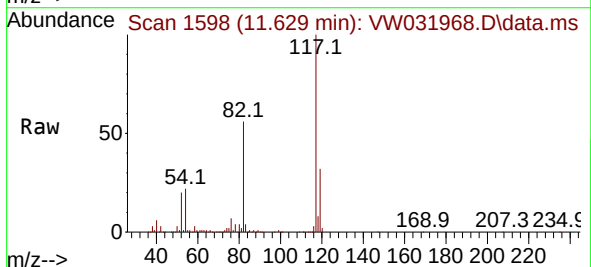
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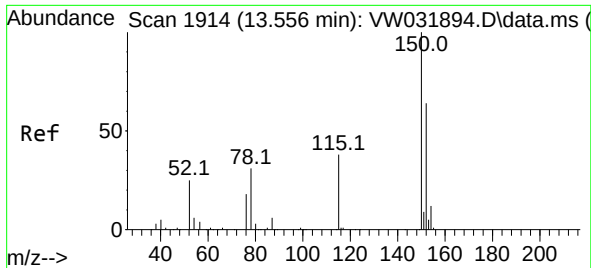
Tgt Ion: 95 Resp: 148884
Ion Ratio Lower Upper
95 100
174 66.1 0.0 129.8
176 59.7 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031968.D
Acq: 31 Jul 2025 14:17

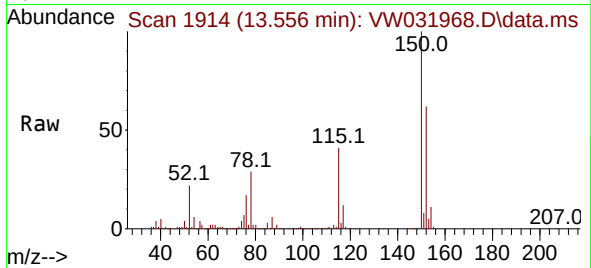
Tgt Ion: 117 Resp: 329022
Ion Ratio Lower Upper
117 100
82 56.1 46.5 69.7
119 32.4 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW031968.D
 Acq: 31 Jul 2025 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-253



Tgt Ion:152 Resp: 147315
 Ion Ratio Lower Upper
 152 100
 115 66.3 33.4 100.1
 150 156.6 0.0 352.2

