

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031773.D
 Acq On : 09 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2527-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AR520-0015

Quant Time: Jul 10 01:25:43 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)

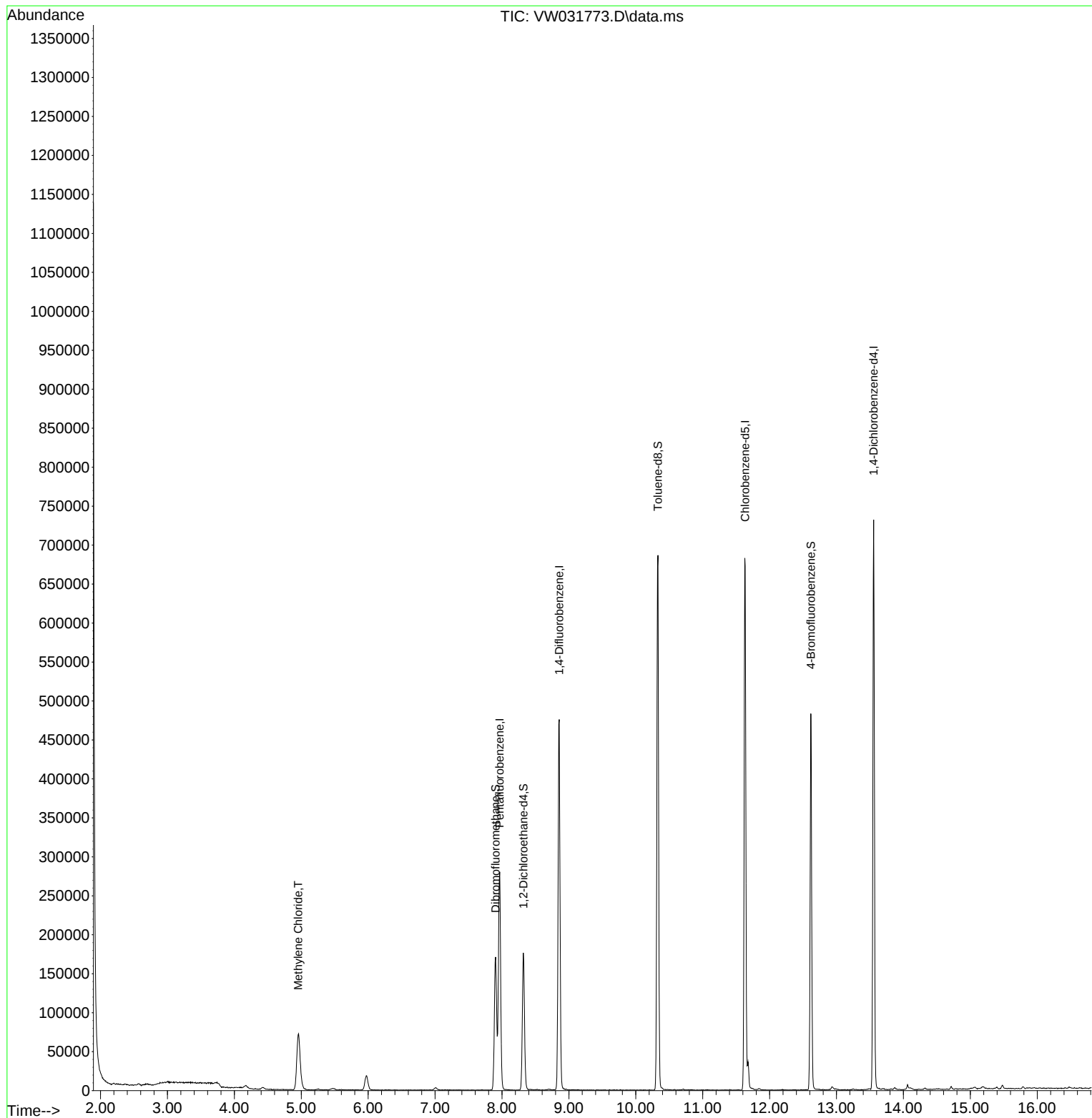
Internal Standards						
1) Pentafluorobenzene	7.965	168	196220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	395382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	376435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148023	52.565	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	105.140%	
35) Dibromofluoromethane	7.904	113	127010	49.228	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	98.460%	
50) Toluene-d8	10.331	98	465680	48.501	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	97.000%	
62) 4-Bromofluorobenzene	12.617	95	165245	46.768	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	93.540%	
Target Compounds						
20) Methylene Chloride	4.954	84	64225	20.218	ug/l	Qvalue 96

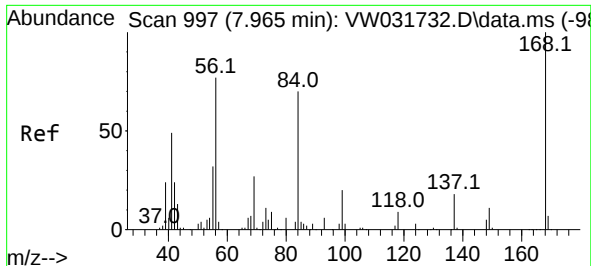
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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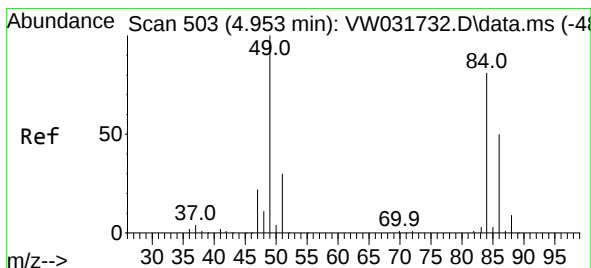
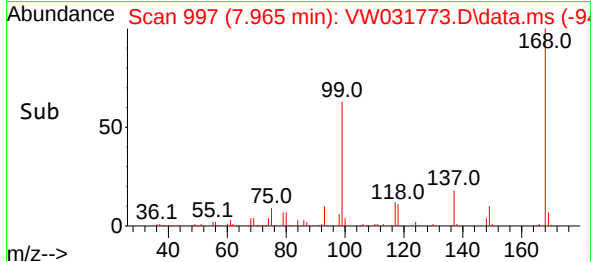
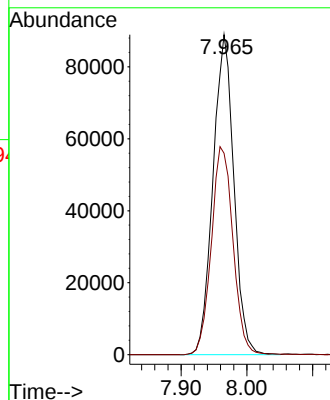
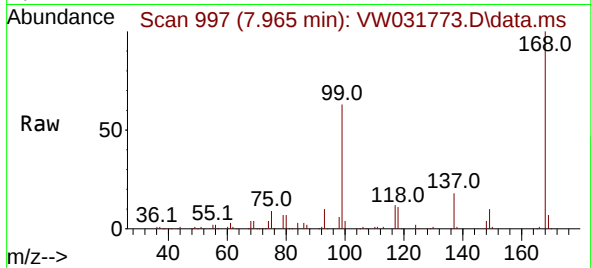




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031773.D
Acq: 09 Jul 2025 14:13

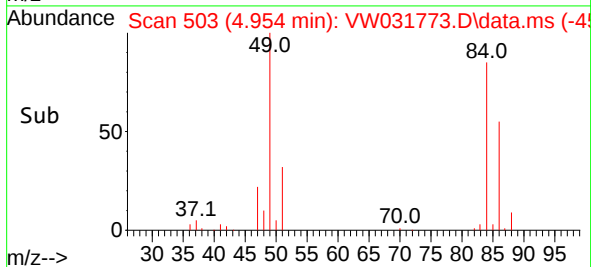
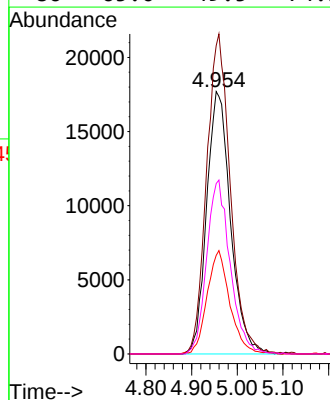
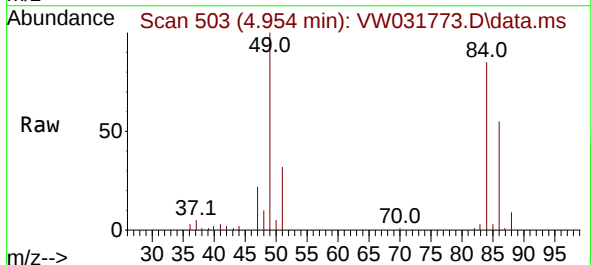
Instrument :
MSVOA_W
ClientSampleId :
AR520-0015

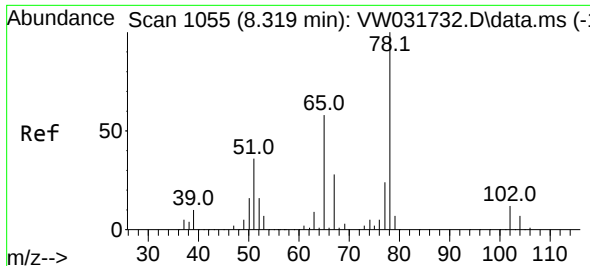
Tgt Ion:168 Resp: 196220
Ion Ratio Lower Upper
168 100
99 63.0 49.4 74.2



#20
Methylene Chloride
Concen: 20.218 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031773.D
Acq: 09 Jul 2025 14:13

Tgt Ion: 84 Resp: 64225
Ion Ratio Lower Upper
84 100
49 117.5 98.2 147.4
51 37.6 29.8 44.8
86 65.0 49.5 74.3

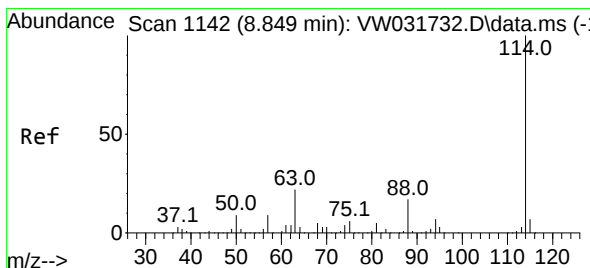
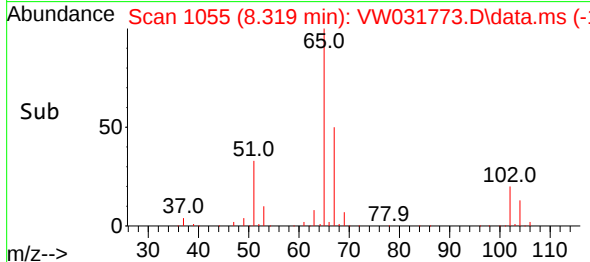
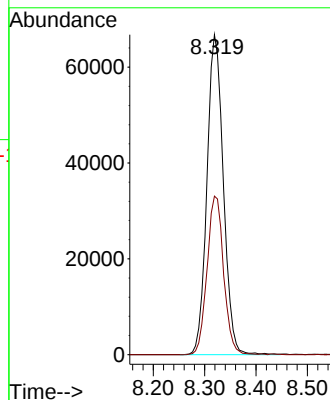
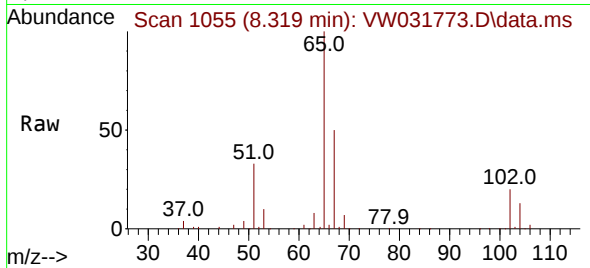




#33
 1,2-Dichloroethane-d4
 Concen: 52.565 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031773.D
 Acq: 09 Jul 2025 14:13

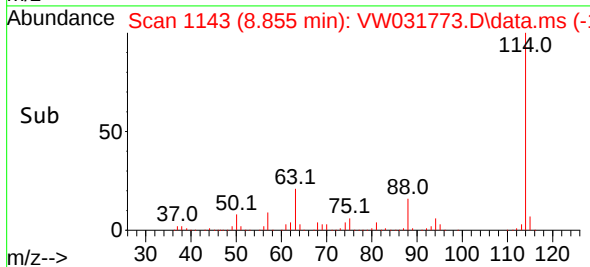
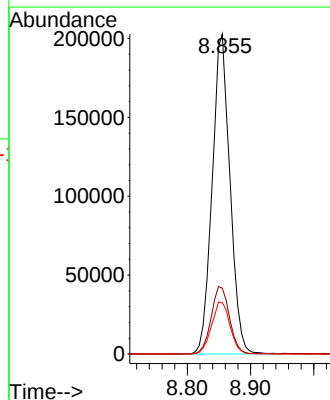
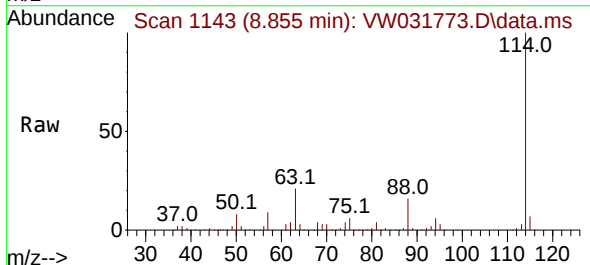
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 MSVOA_W
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 AR520-0015

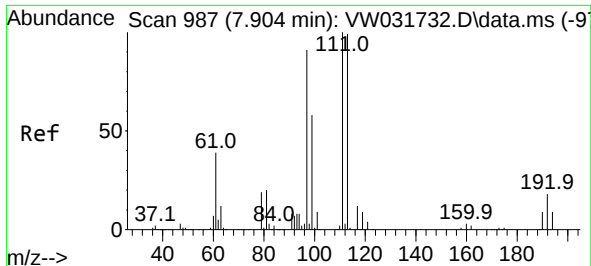
Tgt Ion: 65 Resp: 148023
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031773.D
 Acq: 09 Jul 2025 14:13

Tgt Ion: 114 Resp: 395382
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.6
 88 16.1 0.0 34.2

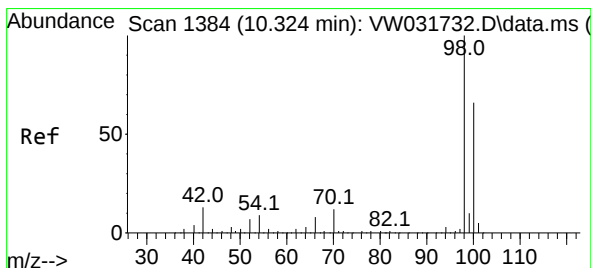
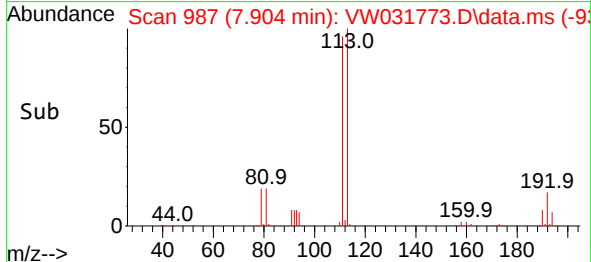
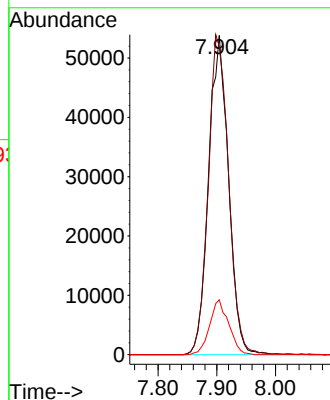
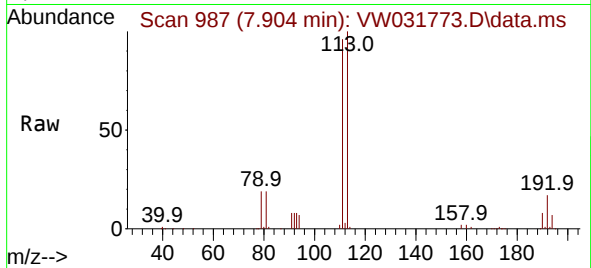




#35
Dibromofluoromethane
Concen: 49.228 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031773.D
Acq: 09 Jul 2025 14:13

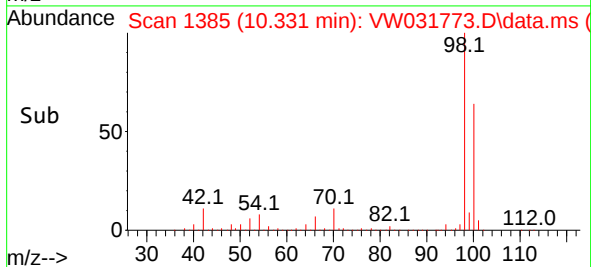
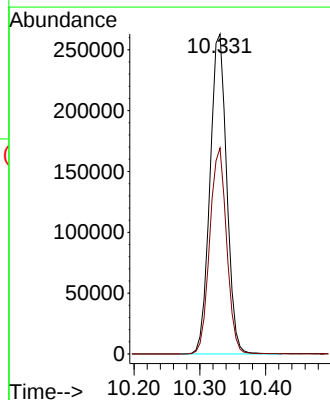
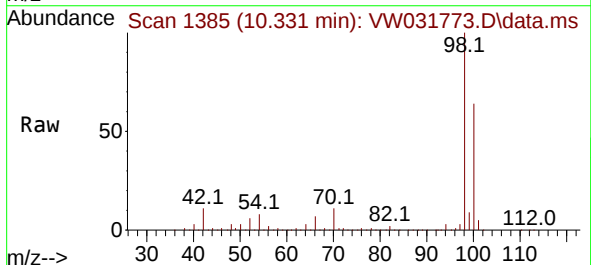
Instrument :
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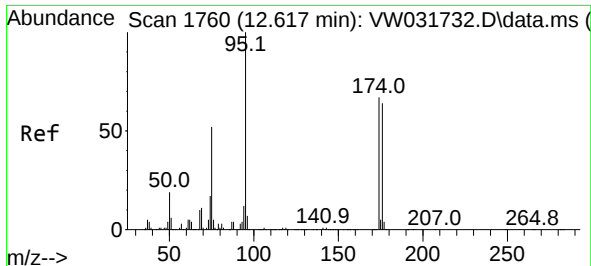
Tgt Ion:113 Resp: 127010
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 16.5 13.8 20.6



#50
Toluene-d8
Concen: 48.501 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031773.D
Acq: 09 Jul 2025 14:13

Tgt Ion: 98 Resp: 465680
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4

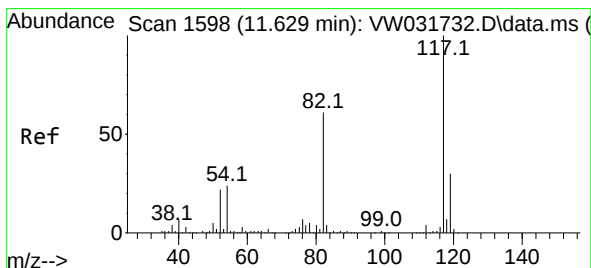
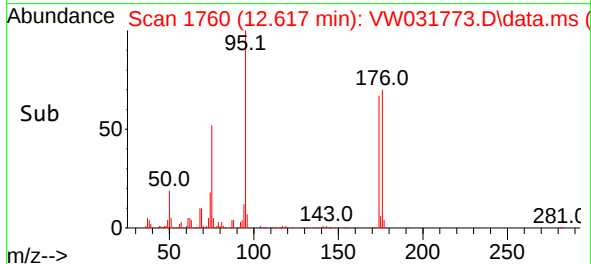
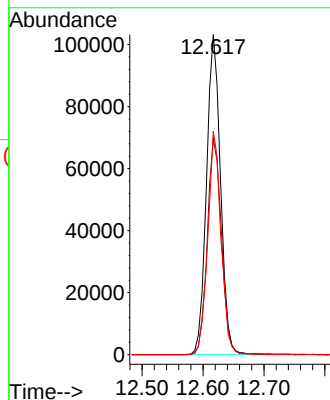
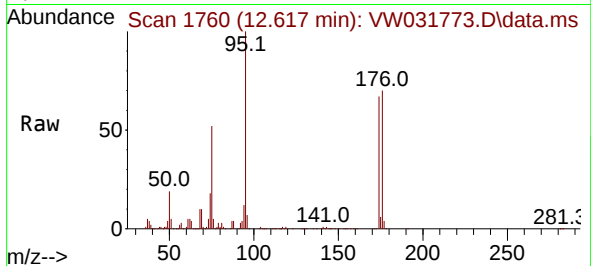




#62
4-Bromofluorobenzene
Concen: 46.768 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031773.D
Acq: 09 Jul 2025 14:13

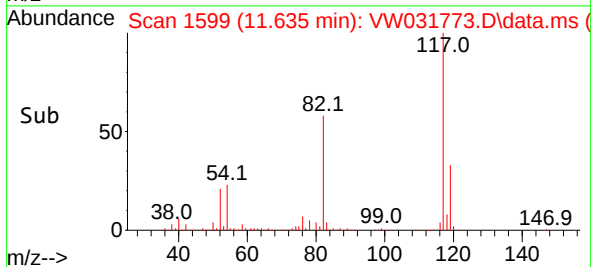
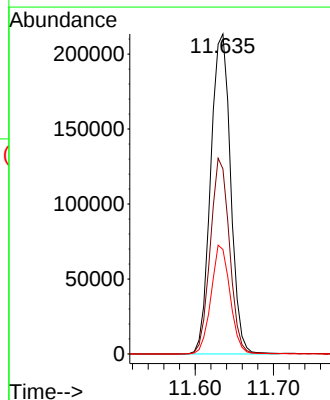
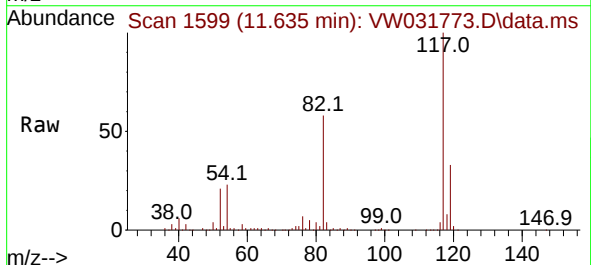
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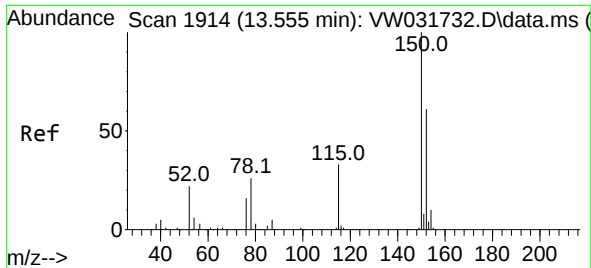
Tgt Ion: 95 Resp: 165245
Ion Ratio Lower Upper
95 100
174 68.4 0.0 133.8
176 66.3 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031773.D
Acq: 09 Jul 2025 14:13

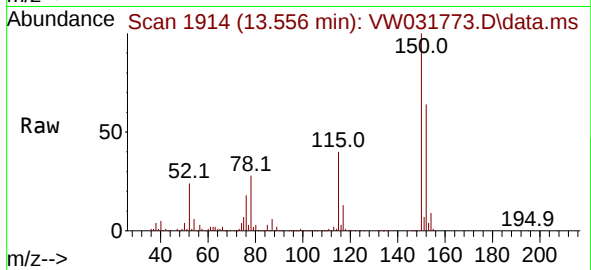
Tgt Ion: 117 Resp: 376435
Ion Ratio Lower Upper
117 100
82 57.9 48.6 72.8
119 32.7 23.9 35.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031773.D
 Acq: 09 Jul 2025 14:13

Instrument :
 MSVOA_W
 ClientSampleId :
 AR520-0015



Tgt Ion:	152	Resp:	182666
Ion Ratio	Lower	Upper	
152	100		
115	63.5	31.9	95.7
150	158.5	0.0	356.4

