

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032209.D
 Acq On : 19 Sep 2025 12:02
 Operator : SY/MD
 Sample : Q3138-03
 Misc : 4.25g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0239

Quant Time: Sep 19 23:07:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

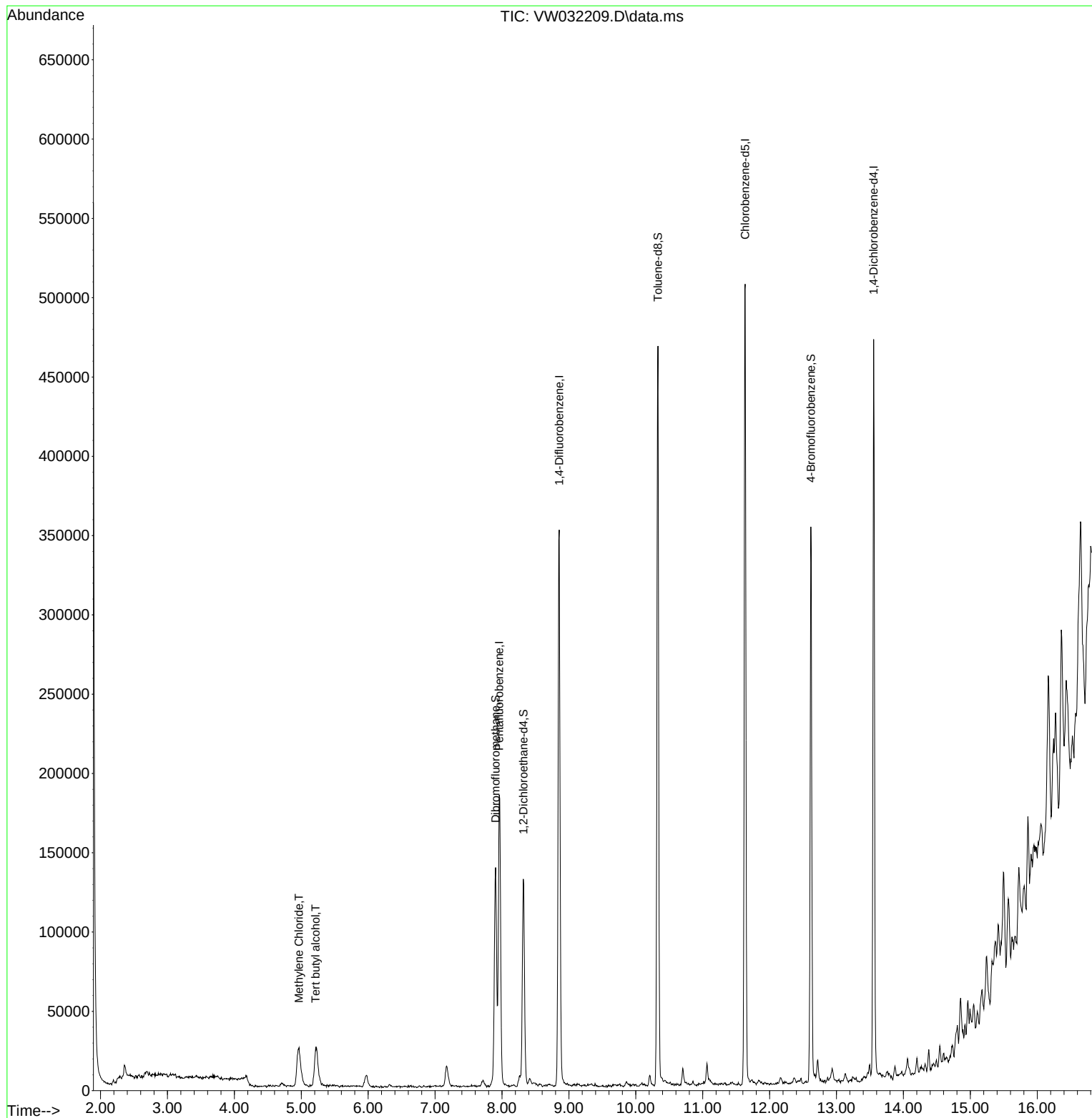
Internal Standards						
1) Pentafluorobenzene	7.959	168	128055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	283436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	273222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	110786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	109345	59.707	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.420%		
35) Dibromofluoromethane	7.904	113	97708	49.135	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 98.260%		
50) Toluene-d8	10.331	98	302646	43.354	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 86.700%		
62) 4-Bromofluorobenzene	12.617	95	112592	43.617	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 87.240%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.216	59	43724	390.326	ug/l	99
20) Methylene Chloride	4.966	84	24004	11.622	ug/l	98

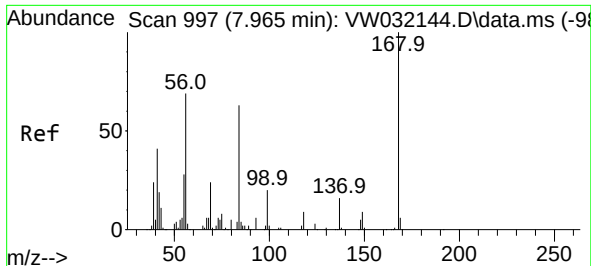
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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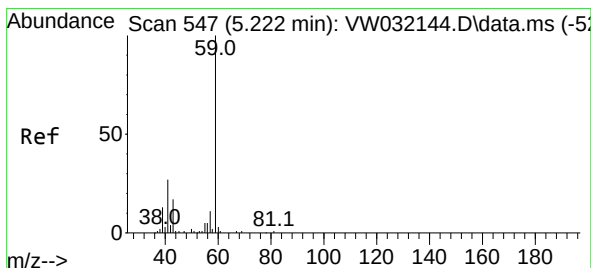
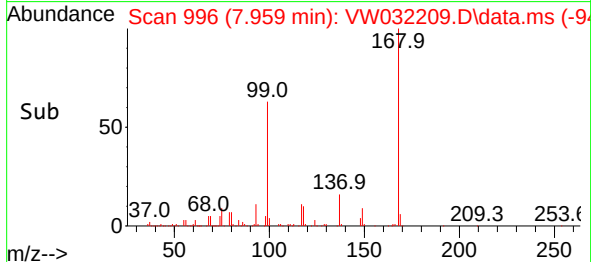
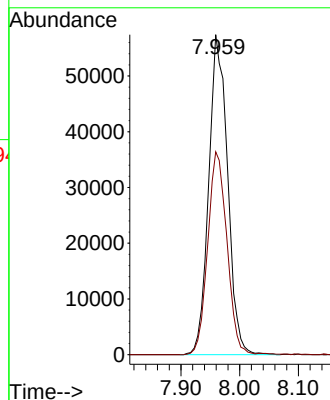
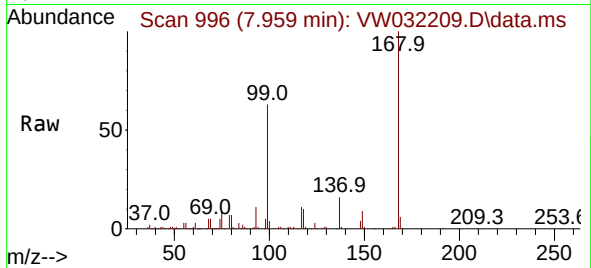




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

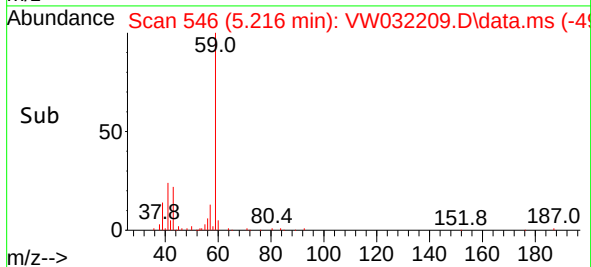
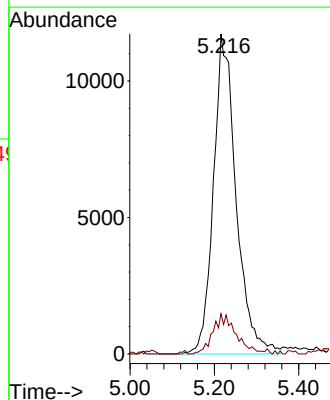
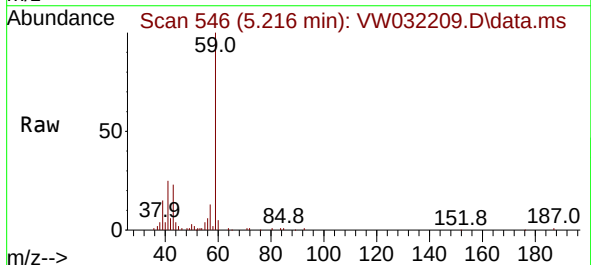
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0239

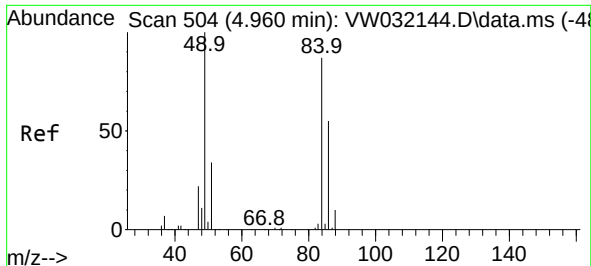
Tgt Ion:168 Resp: 128055
Ion Ratio Lower Upper
168 100
99 63.4 49.3 73.9



#11
Tert butyl alcohol
Concen: 390.326 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

Tgt Ion: 59 Resp: 43724
Ion Ratio Lower Upper
59 100
57 12.6 9.8 14.6

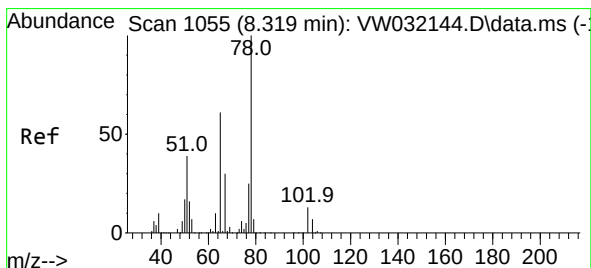
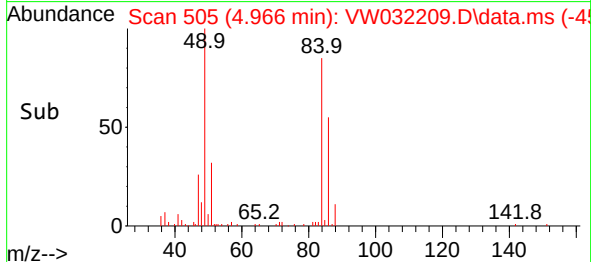
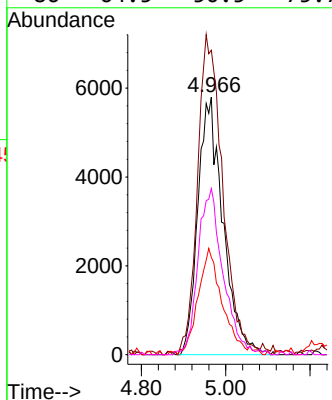
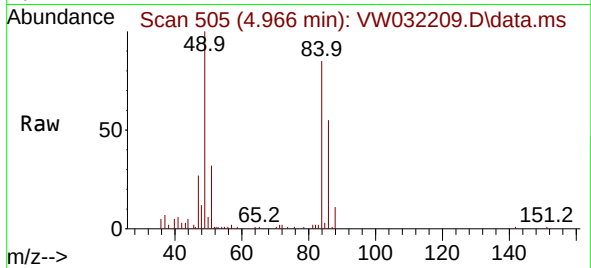




#20
Methylene Chloride
Concen: 11.622 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

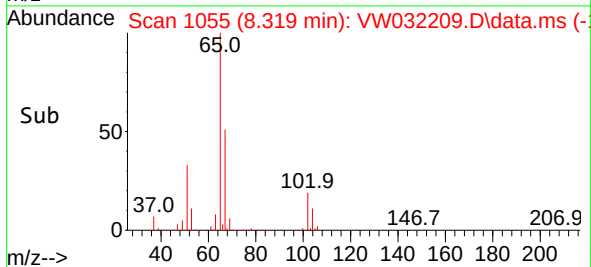
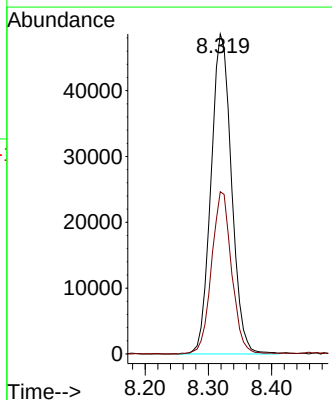
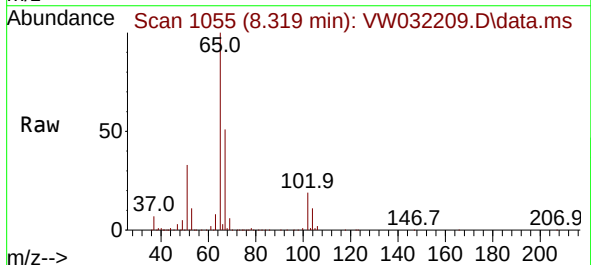
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0239

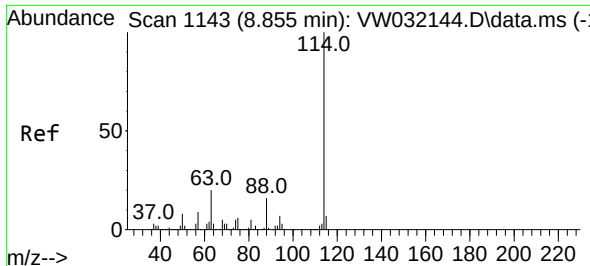
Tgt Ion:	84	Resp:	24004
Ion	Ratio	Lower	Upper
84	100		
49	118.2	92.2	138.4
51	37.8	31.0	46.6
86	64.5	50.5	75.7



#33
1,2-Dichloroethane-d4
Concen: 59.707 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

Tgt Ion:	65	Resp:	109345
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.6

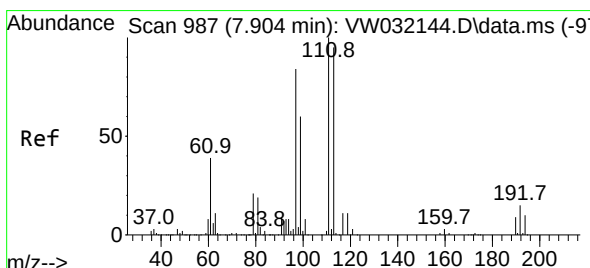
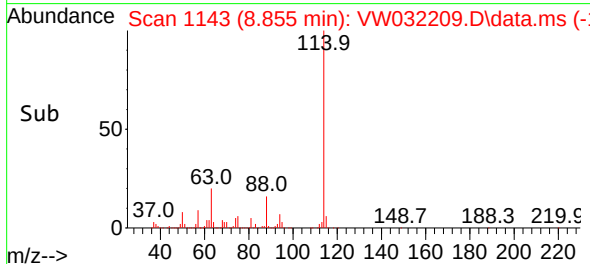
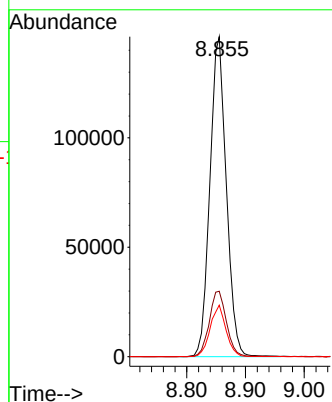
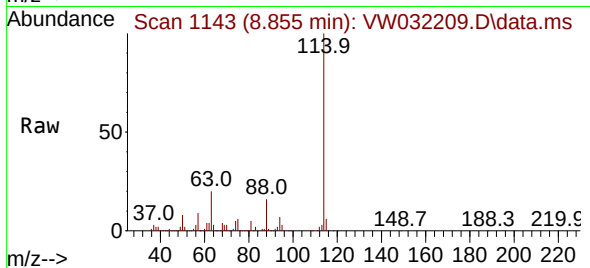




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

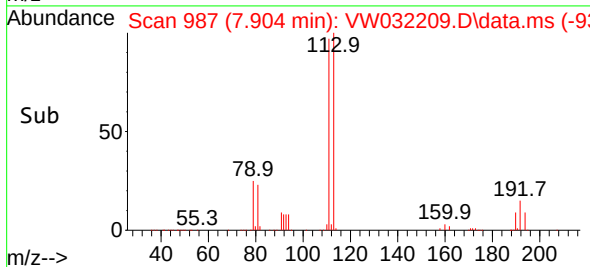
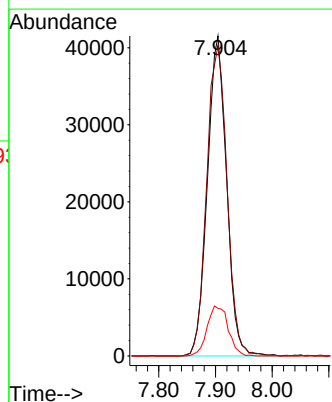
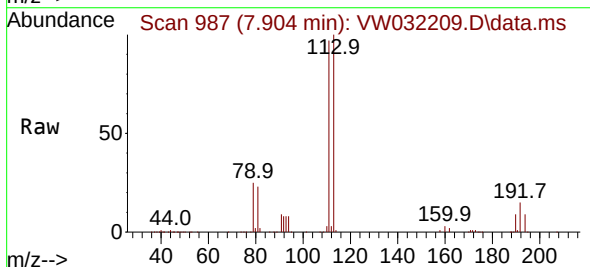
Instrument :
MSVOA_W
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MOO-25-0239

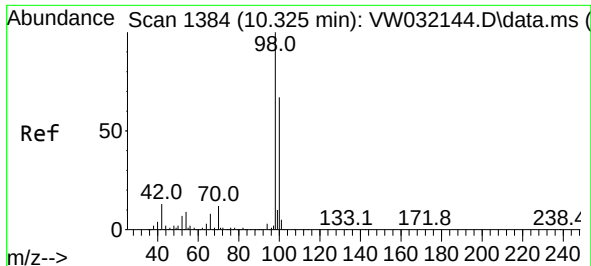
Tgt Ion:114 Resp: 283436
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.4
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.135 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

Tgt Ion:113 Resp: 97708
Ion Ratio Lower Upper
113 100
111 102.8 83.9 125.9
192 17.1 14.6 21.8

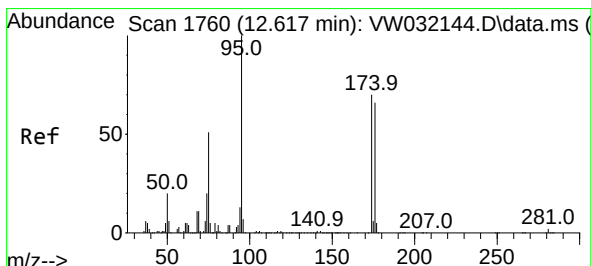
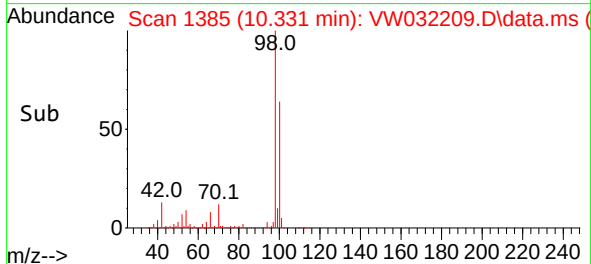
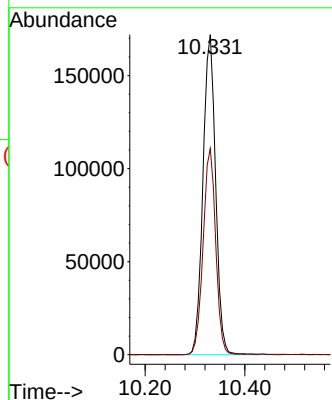
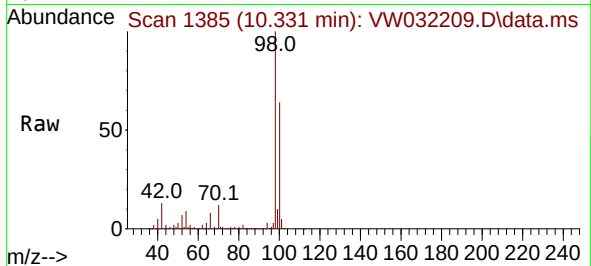




#50
Toluene-d8
Concen: 43.354 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

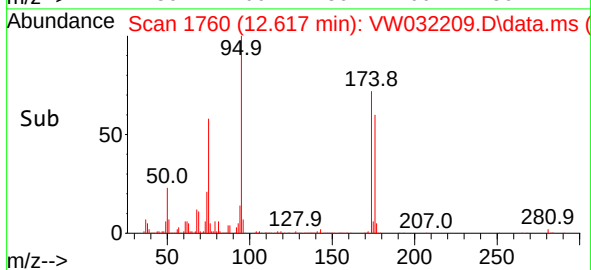
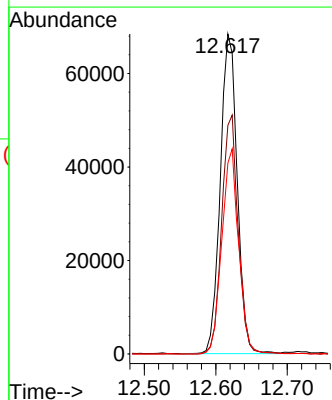
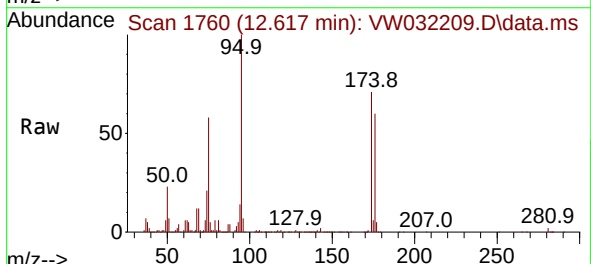
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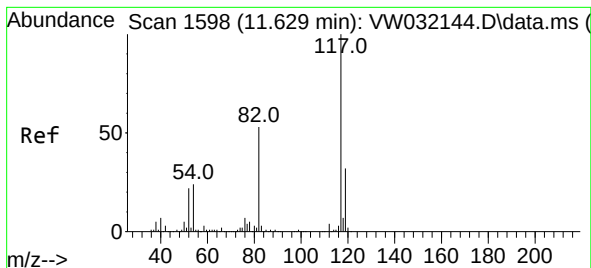
Tgt Ion: 98 Resp: 302646
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 43.617 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032209.D
Acq: 19 Sep 2025 12:02

Tgt Ion: 95 Resp: 112592
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.6
176 64.0 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032209.D

Acq: 19 Sep 2025 12:02

Instrument :

MSVOA_W

ClientSampleId :

MOO-25-0239

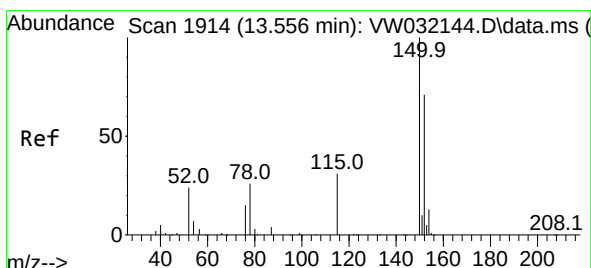
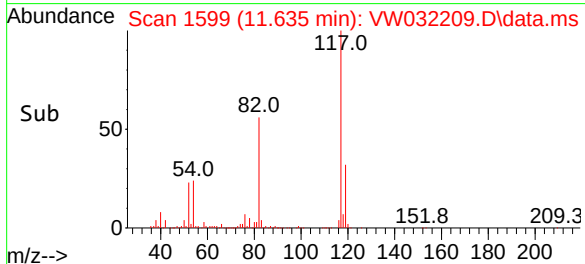
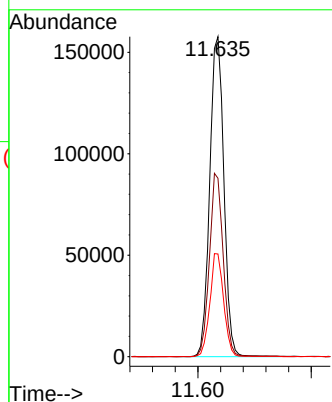
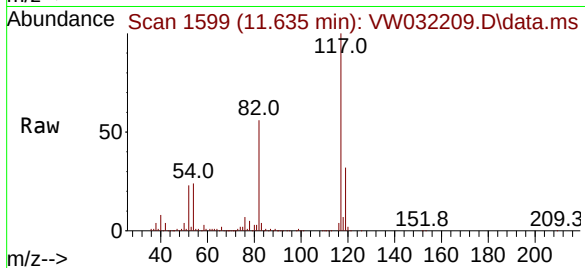
Tgt Ion:117 Resp: 273222

Ion Ratio Lower Upper

117 100

82 55.7 42.7 64.1

119 32.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032209.D

Acq: 19 Sep 2025 12:02

Tgt Ion:152 Resp: 110786

Ion Ratio Lower Upper

152 100

115 61.0 31.8 95.4

150 163.5 0.0 343.0

