

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032277.D
 Acq On : 26 Sep 2025 14:01
 Operator : SY/MD
 Sample : Q3221-01
 Misc : 5.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-092625

Quant Time: Sep 29 08:38:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

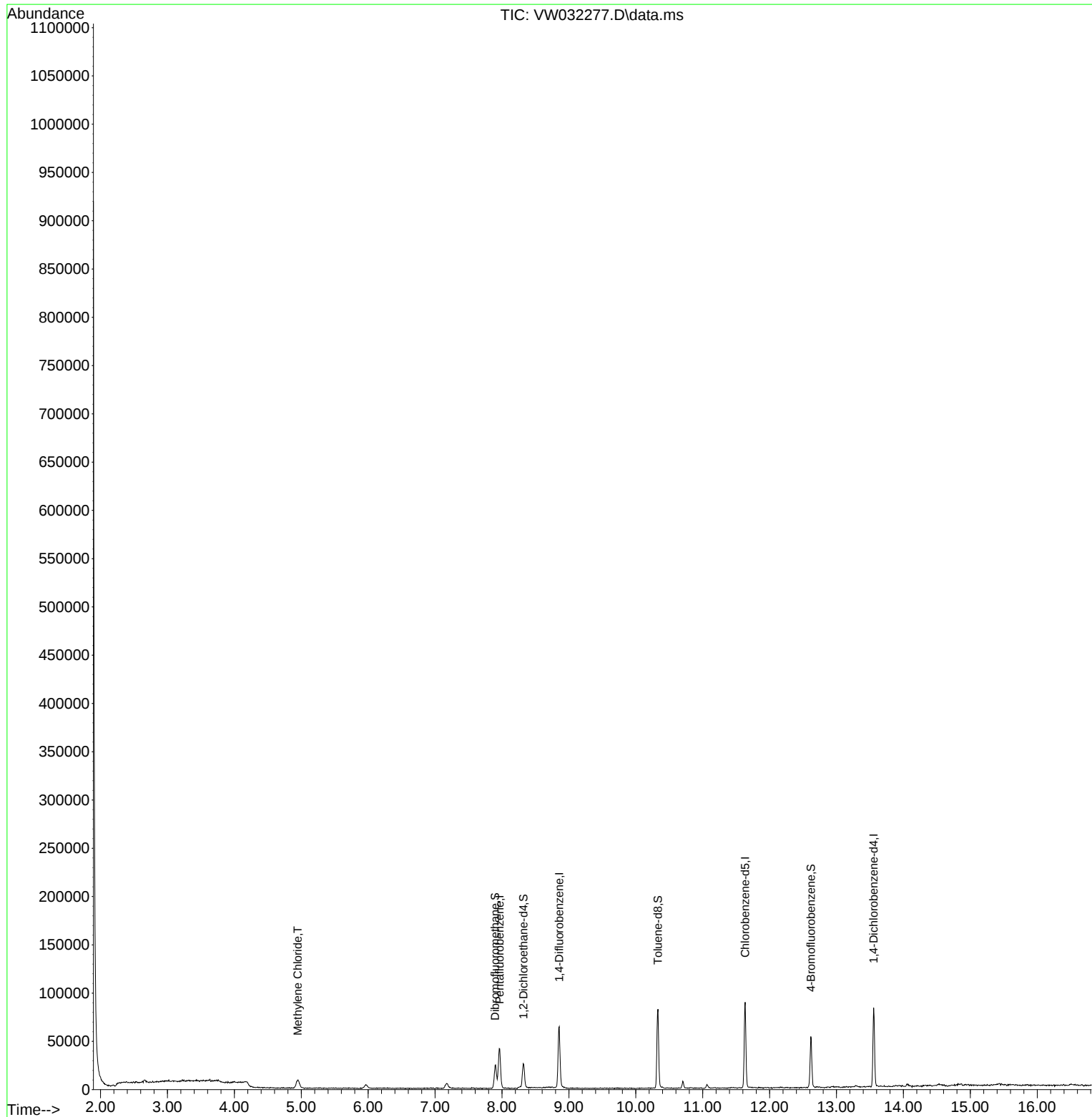
Internal Standards						
1) Pentafluorobenzene	7.965	168	28841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	52773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	48720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	20848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	22083	48.492	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.980%
35) Dibromofluoromethane	7.898	113	17948	47.290	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.580%
50) Toluene-d8	10.331	98	55411	40.511	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	81.020%
62) 4-Bromofluorobenzene	12.617	95	19463	37.723	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	75.440%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.948	84	7171	11.103	ug/l #	79

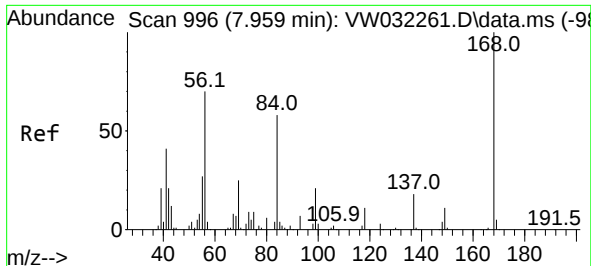
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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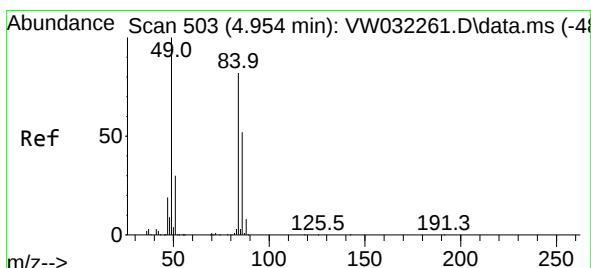
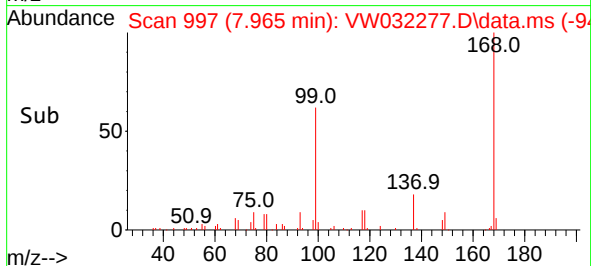
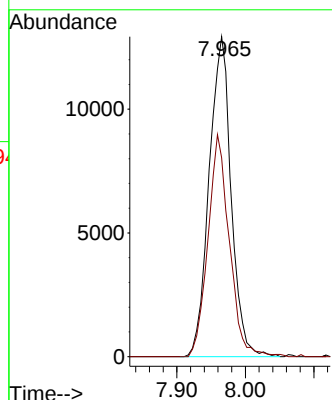
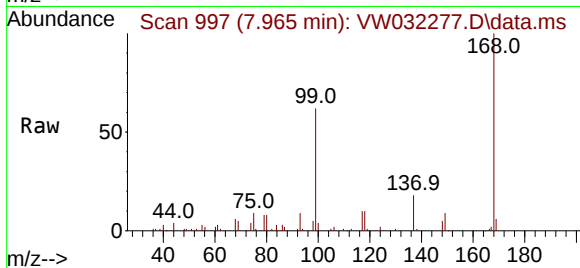




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

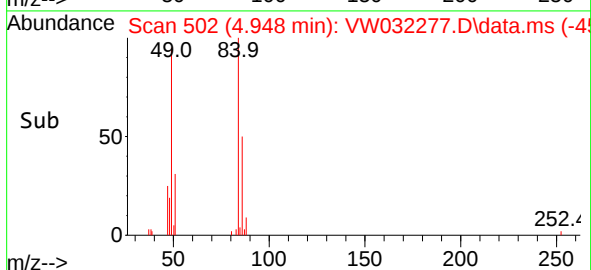
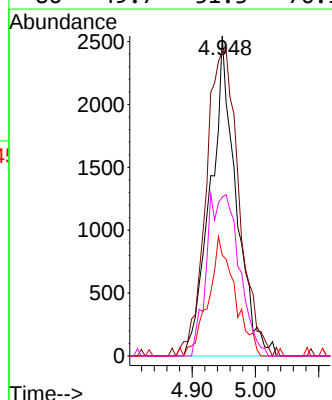
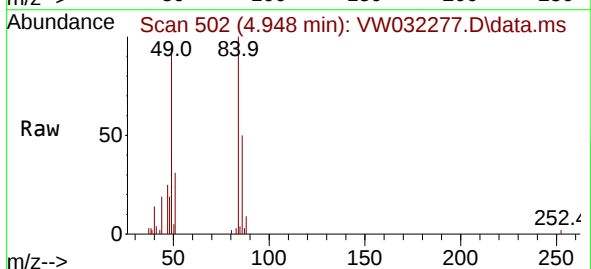
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

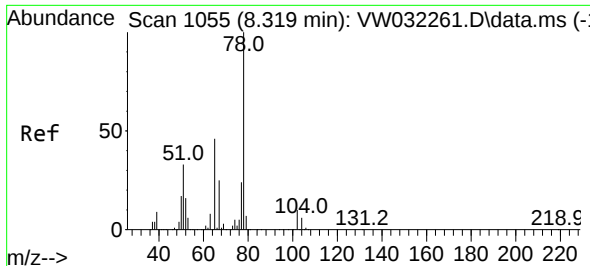
Tgt Ion:168 Resp: 28841
Ion Ratio Lower Upper
168 100
99 62.2 55.0 82.4



#20
Methylene Chloride
Concen: 11.103 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 84 Resp: 7171
Ion Ratio Lower Upper
84 100
49 95.1 97.8 146.6#
51 29.2 29.9 44.9#
86 49.7 51.3 76.9#

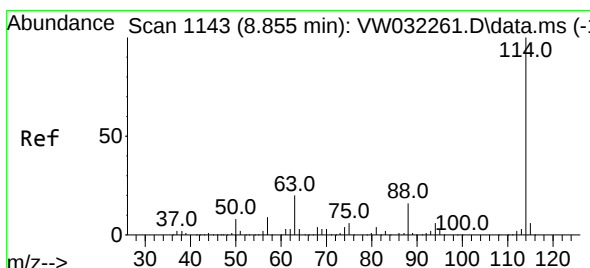
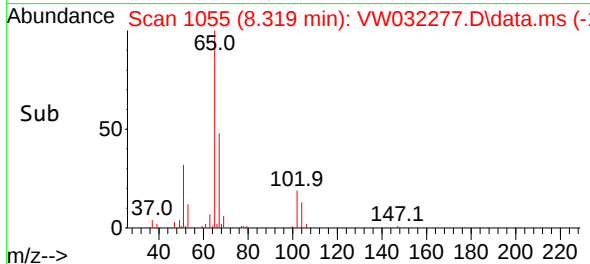
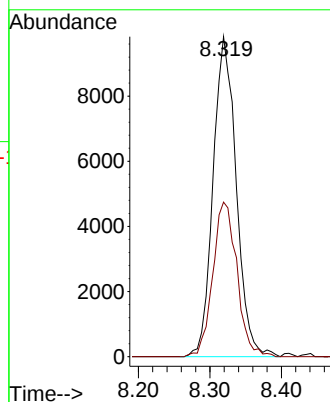
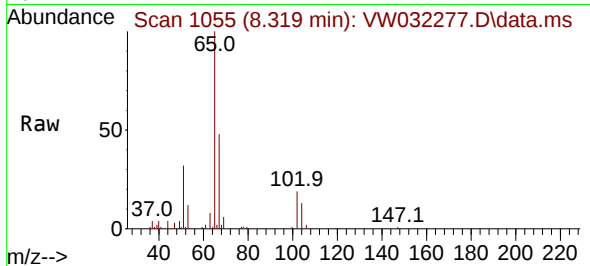




#33
 1,2-Dichloroethane-d4
 Concen: 48.492 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032277.D
 Acq: 26 Sep 2025 14:01

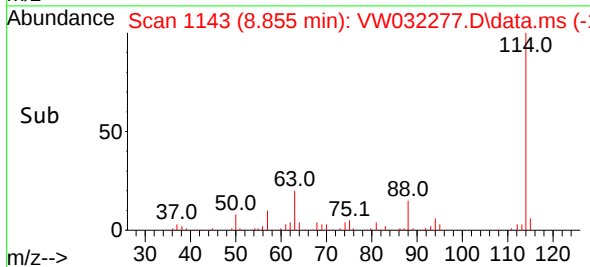
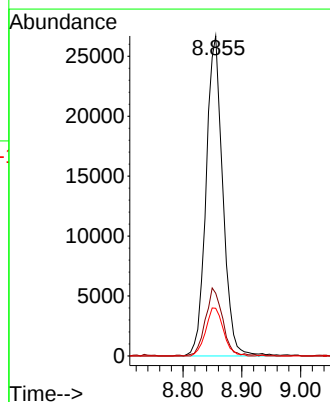
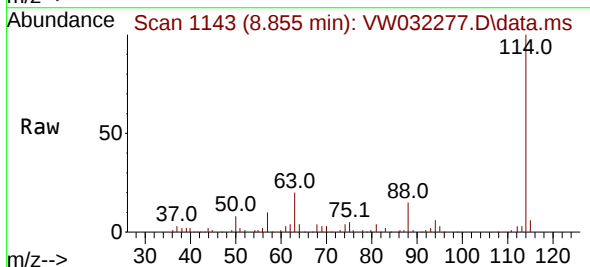
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 MSVOA_W
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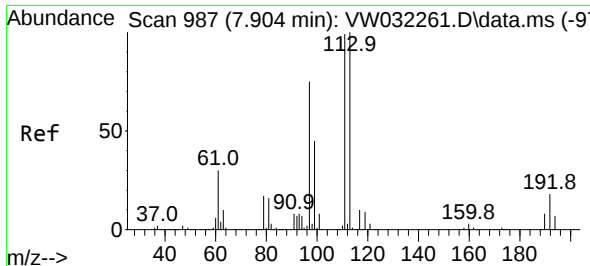
Tgt Ion: 65 Resp: 22083
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032277.D
 Acq: 26 Sep 2025 14:01

Tgt Ion: 114 Resp: 52773
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.2
 88 14.9 0.0 32.0

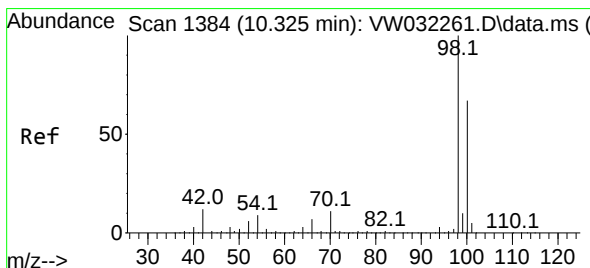
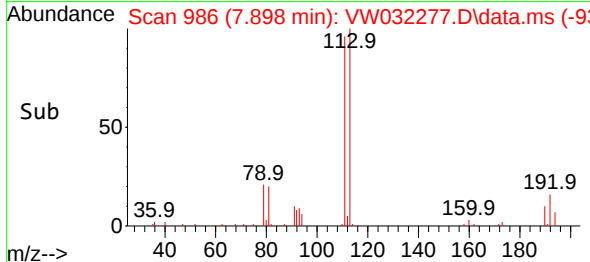
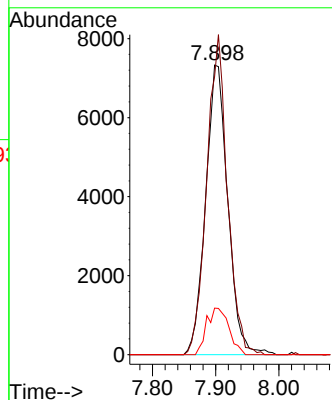
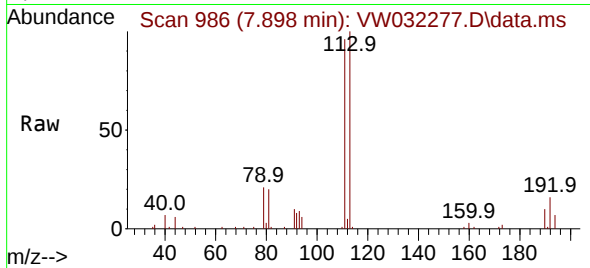




#35
 Dibromofluoromethane
 Concen: 47.290 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032277.D
 Acq: 26 Sep 2025 14:01

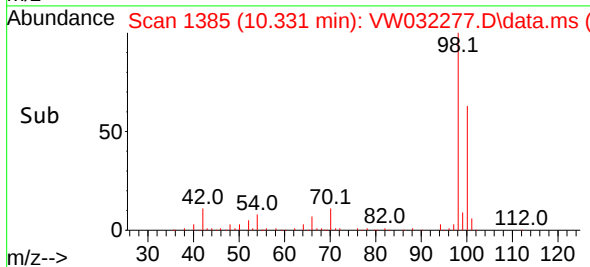
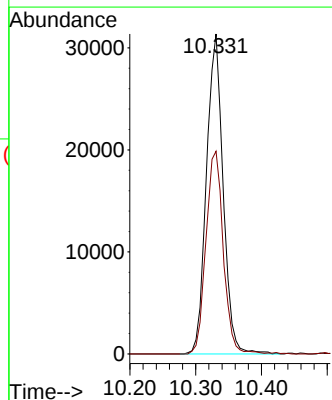
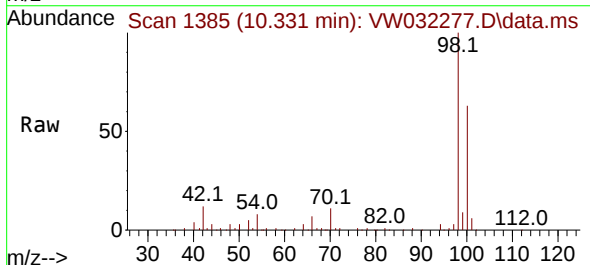
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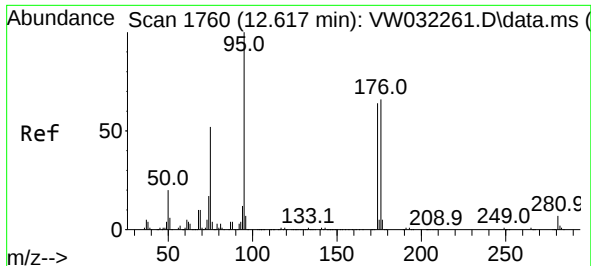
Tgt Ion:113 Resp: 17948
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.8
 192 16.1 13.0 19.4



#50
 Toluene-d8
 Concen: 40.511 ug/l
 RT: 10.331 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032277.D
 Acq: 26 Sep 2025 14:01

Tgt Ion: 98 Resp: 55411
 Ion Ratio Lower Upper
 98 100
 100 65.7 53.0 79.4

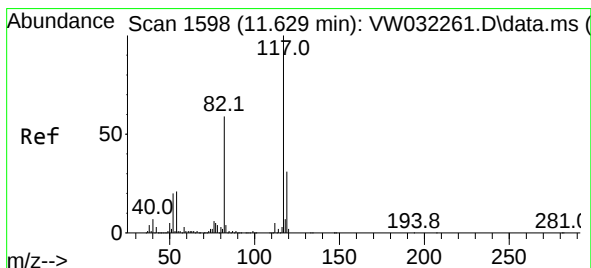
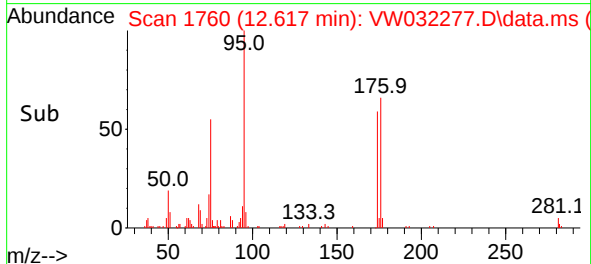
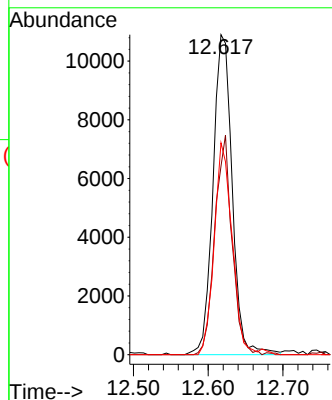
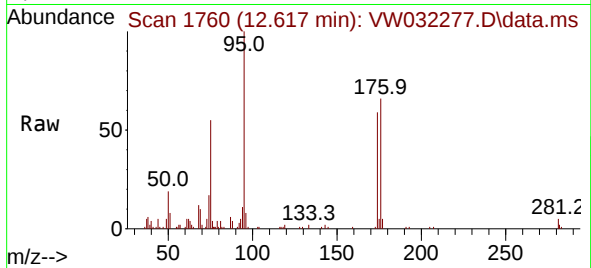




#62
4-Bromofluorobenzene
Concen: 37.723 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

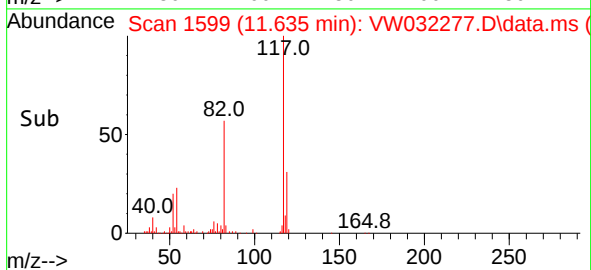
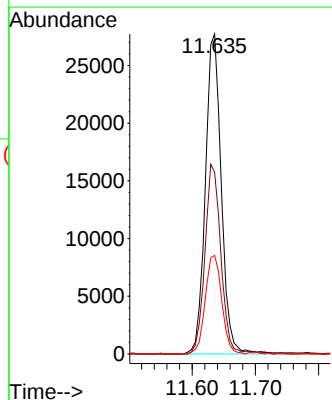
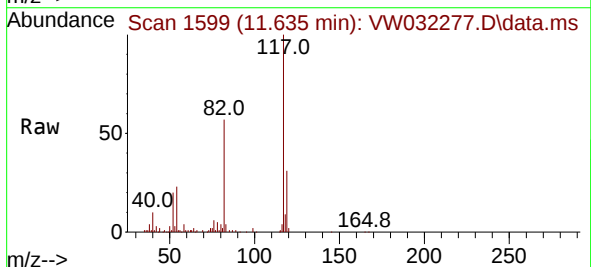
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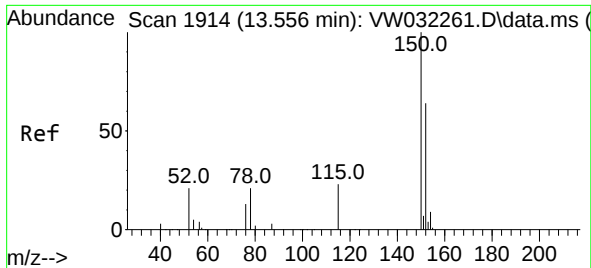
Tgt Ion: 95 Resp: 19463
Ion Ratio Lower Upper
95 100
174 61.9 0.0 130.6
176 61.7 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

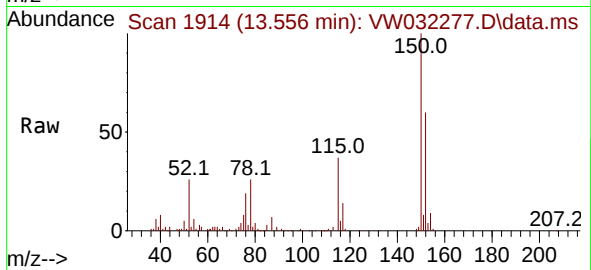
Tgt Ion: 117 Resp: 48720
Ion Ratio Lower Upper
117 100
82 56.8 46.9 70.3
119 30.8 24.9 37.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032277.D
 Acq: 26 Sep 2025 14:01

Instrument :
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 ClientSampleId :
 HD-01-092625



Tgt Ion:	152	Resp:	20848
Ion Ratio	Lower	Upper	
152	100		
115	65.3	32.5	97.5
150	163.3	0.0	370.2

