

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032091.D
 Acq On : 14 Aug 2025 14:16
 Operator : SY/MD
 Sample : Q2820-08
 Misc : 7.14g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 518R-W

Quant Time: Aug 18 03:52:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

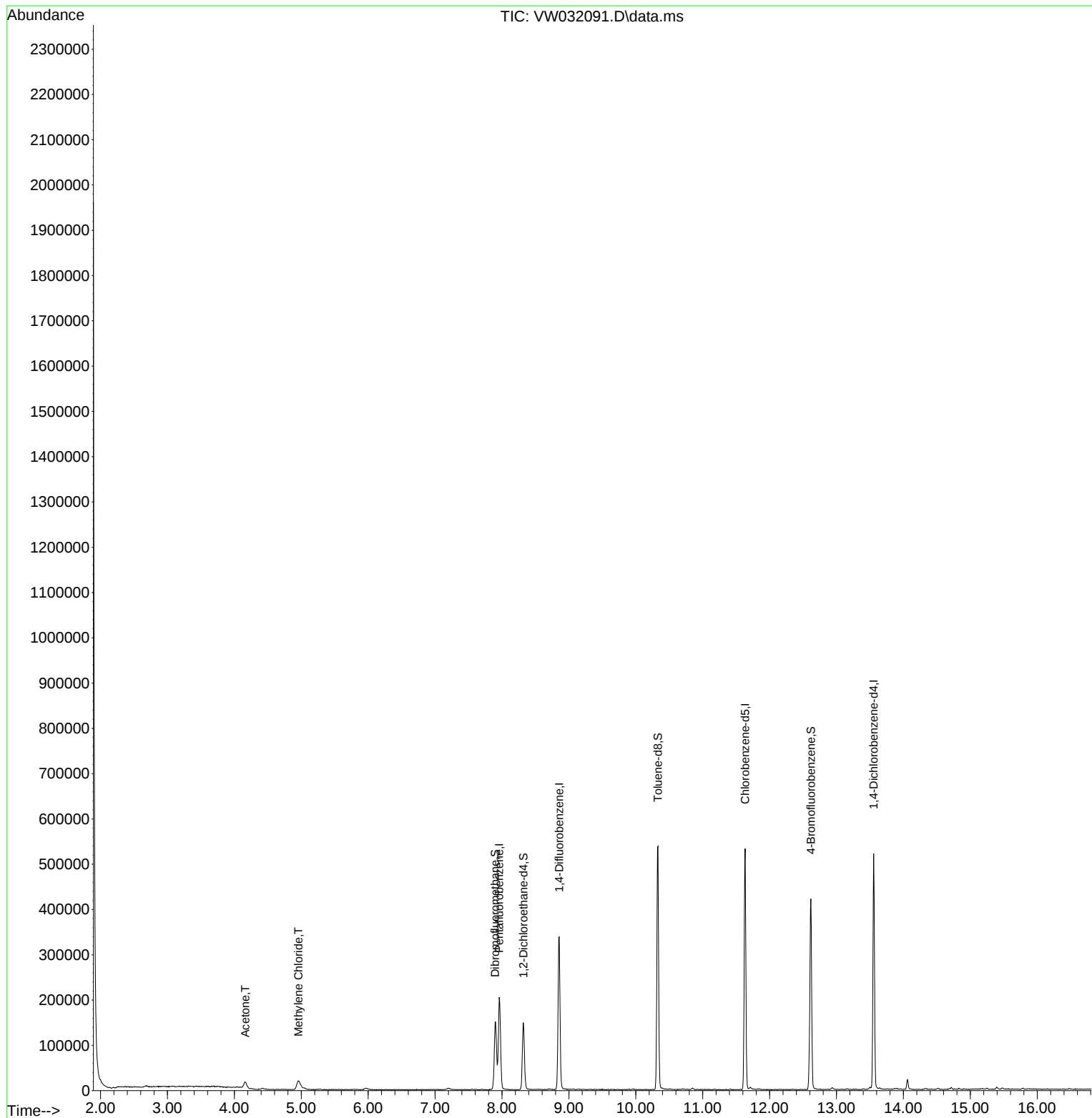
Internal Standards						
1) Pentafluorobenzene	7.959	168	140686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	276303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	279575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	127979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120130	59.040	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 118.080%	
35) Dibromofluoromethane	7.898	113	105957	59.359	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 118.720%	
50) Toluene-d8	10.331	98	349831	52.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	12.617	95	123573	50.790	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.580%	
Target Compounds						
						Qvalue
16) Acetone	4.161	43	20310	43.113	ug/l	95
20) Methylene Chloride	4.960	84	18319	8.410	ug/l	88

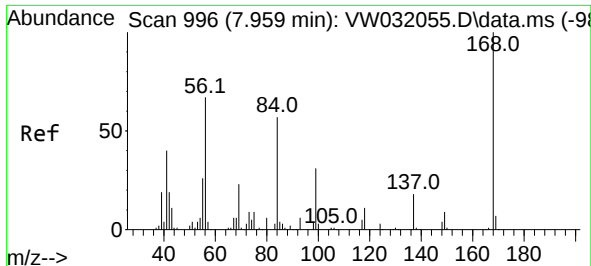
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

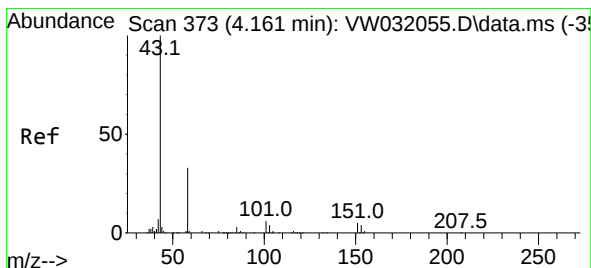
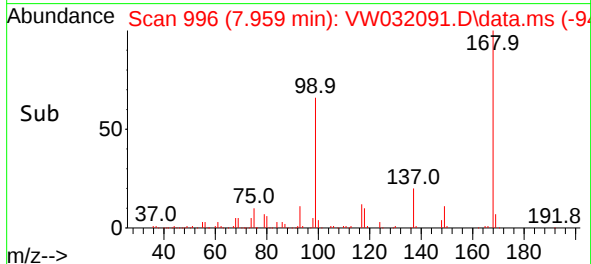
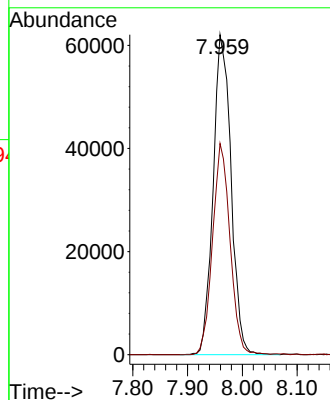
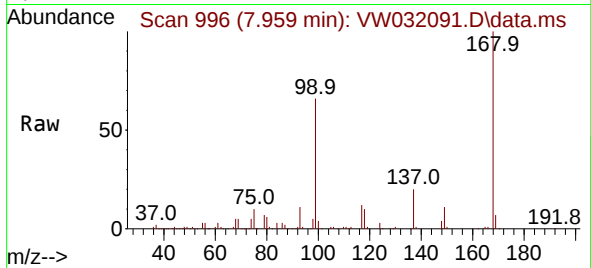




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

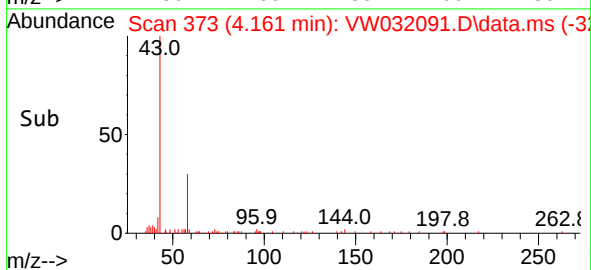
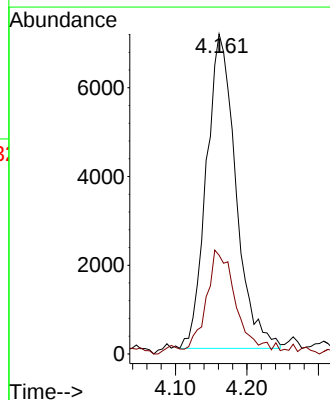
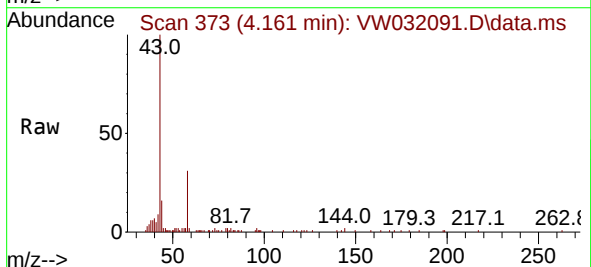
Instrument :
MSVOA_W
ClientSampleId :
518R-W

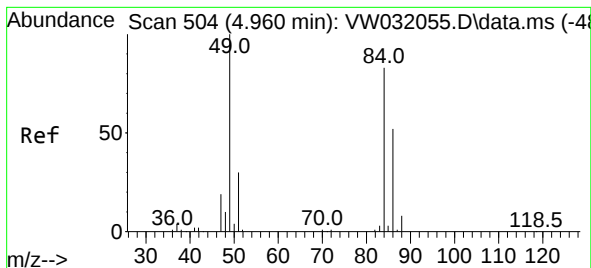
Tgt Ion:168 Resp: 140686
Ion Ratio Lower Upper
168 100
99 66.0 56.0 84.0



#16
Acetone
Concen: 43.113 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion: 43 Resp: 20310
Ion Ratio Lower Upper
43 100
58 30.4 26.6 39.8





#20

Methylene Chloride

Concen: 8.410 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032091.D

Acq: 14 Aug 2025 14:16

Instrument :

MSVOA_W

ClientSampleId :

518R-W

Tgt Ion: 84 Resp: 18319

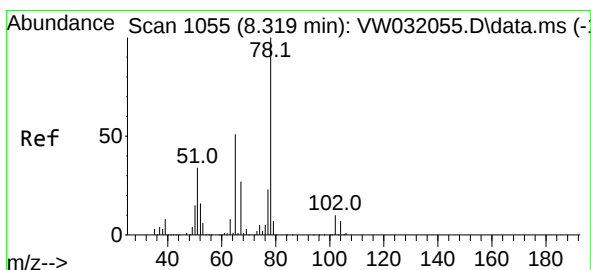
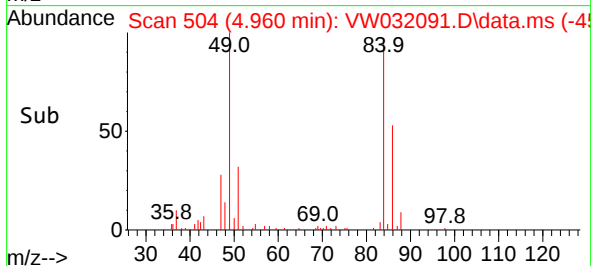
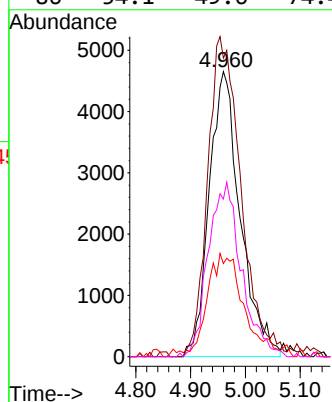
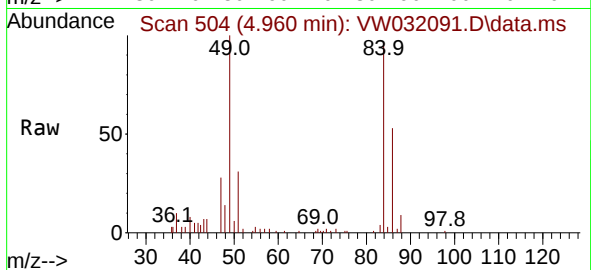
Ion Ratio Lower Upper

84 100

49 104.7 95.9 143.9

51 30.6 28.6 43.0

86 54.1 49.6 74.4



#33

1,2-Dichloroethane-d4

Concen: 59.040 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032091.D

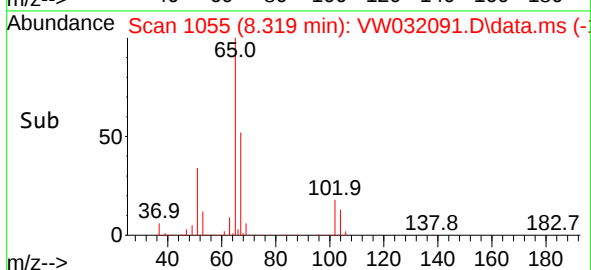
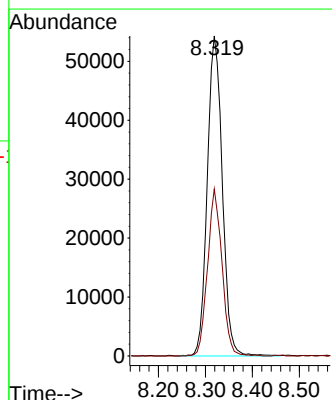
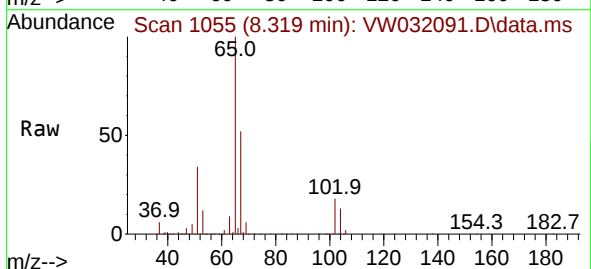
Acq: 14 Aug 2025 14:16

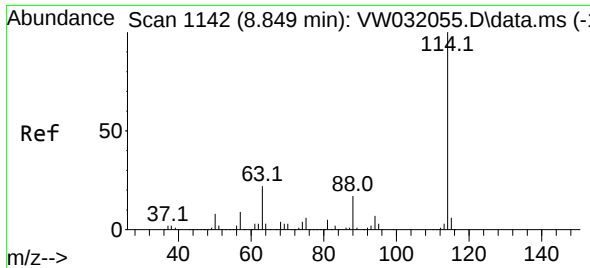
Tgt Ion: 65 Resp: 120130

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.4

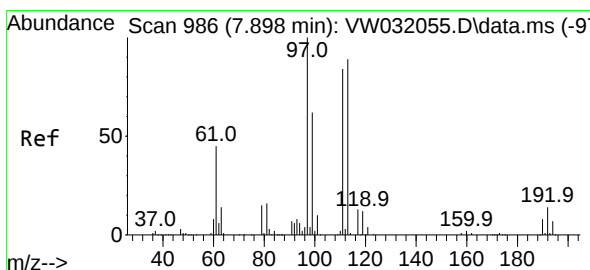
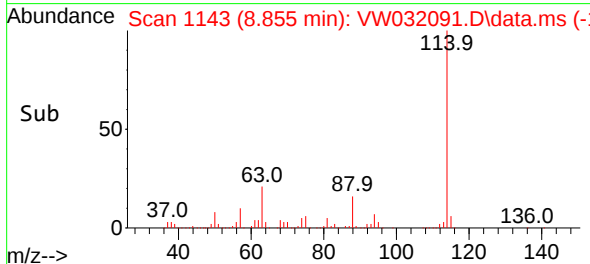
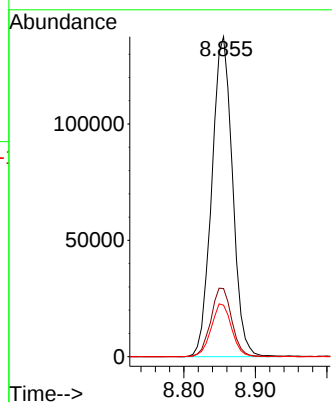
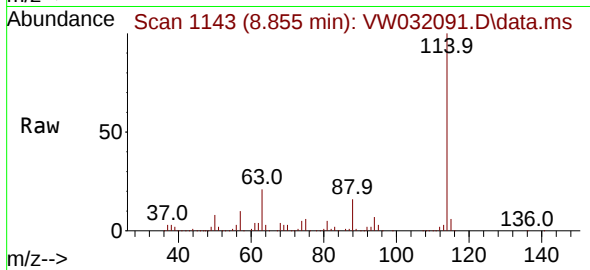




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

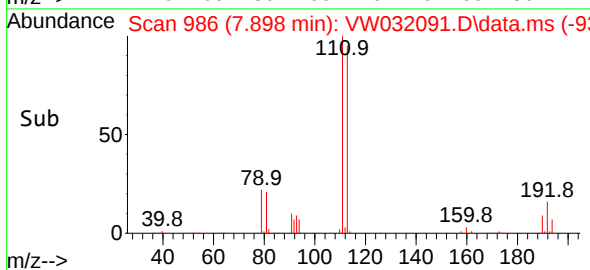
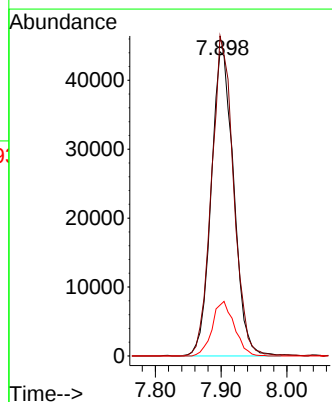
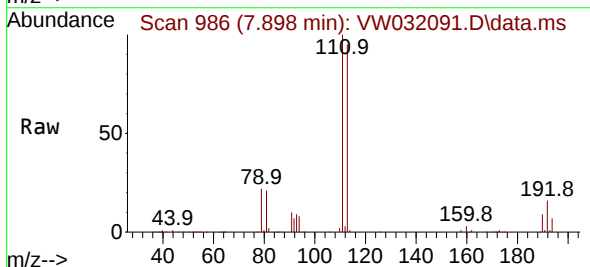
Instrument :
MSVOA_W
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518R-W

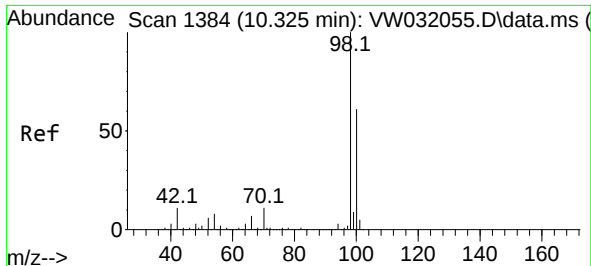
Tgt Ion:114 Resp: 276303
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.0
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 59.359 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion:113 Resp: 105957
Ion Ratio Lower Upper
113 100
111 102.4 80.1 120.1
192 17.4 13.1 19.7

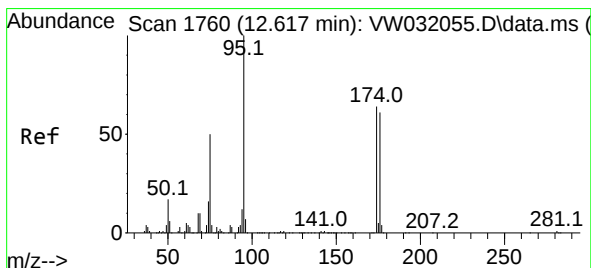
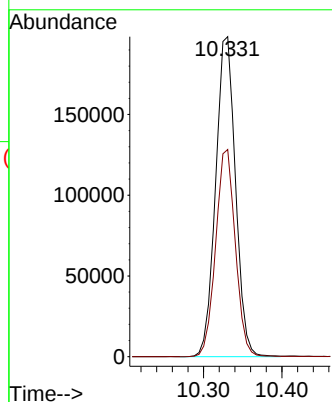
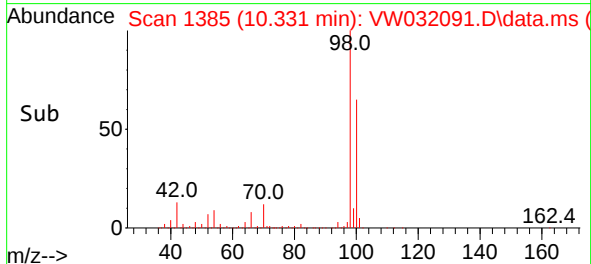
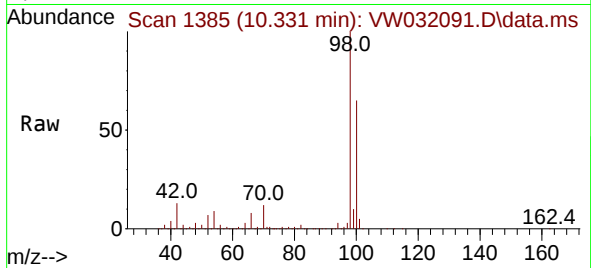




#50
Toluene-d8
Concen: 52.986 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

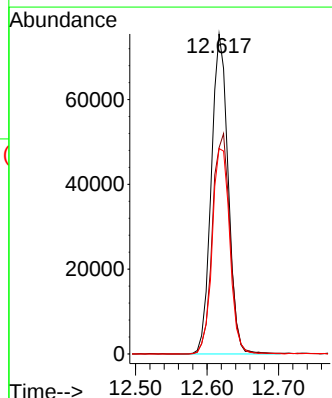
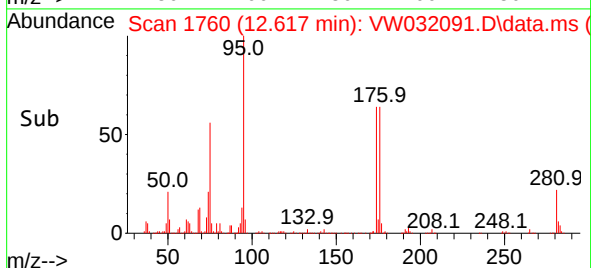
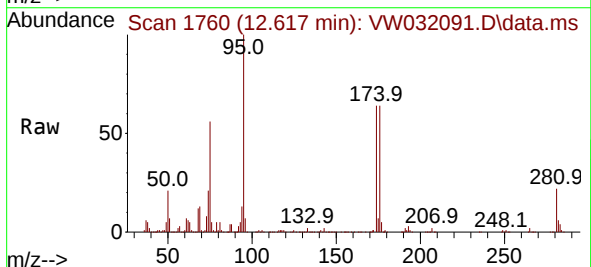
Instrument :
MSVOA_W
ClientSampleId :
518R-W

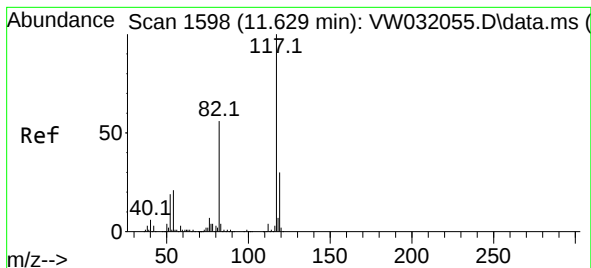
Tgt Ion: 98 Resp: 349831
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.790 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032091.D
Acq: 14 Aug 2025 14:16

Tgt Ion: 95 Resp: 123573
Ion Ratio Lower Upper
95 100
174 71.9 0.0 129.0
176 66.7 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032091.D

Acq: 14 Aug 2025 14:16

Instrument :

MSVOA_W

ClientSampleId :

518R-W

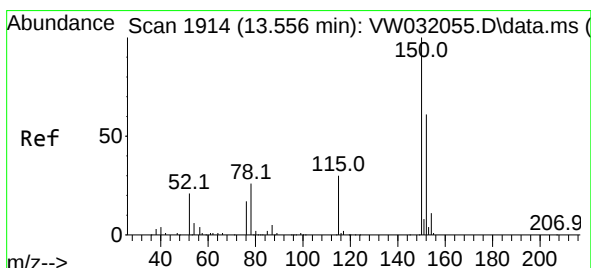
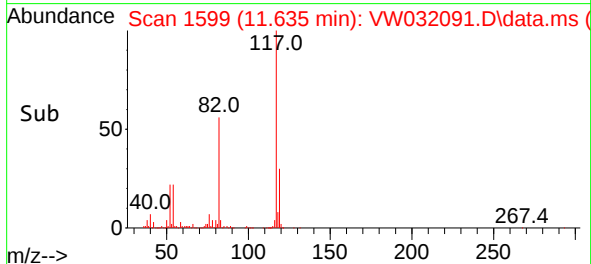
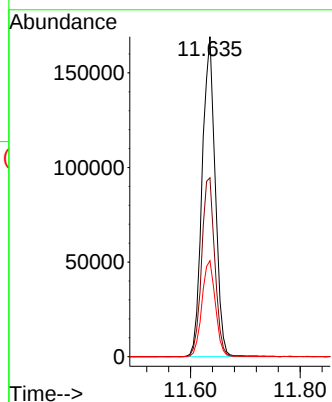
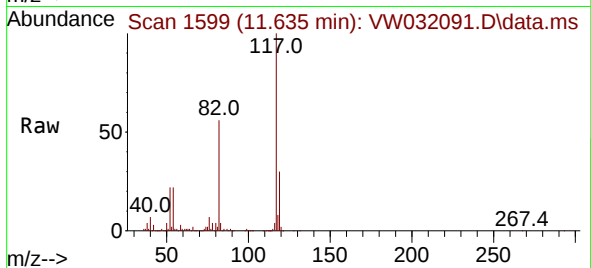
Tgt Ion:117 Resp: 279575

Ion Ratio Lower Upper

117 100

82 55.9 45.0 67.4

119 30.0 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032091.D

Acq: 14 Aug 2025 14:16

Tgt Ion:152 Resp: 127979

Ion Ratio Lower Upper

152 100

115 62.5 32.6 97.8

150 151.1 0.0 359.4

