

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032032.D
 Acq On : 06 Aug 2025 16:34
 Operator : SY/MD
 Sample : Q2779-07
 Misc : 4.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-VOC

Quant Time: Aug 07 02:21:09 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)

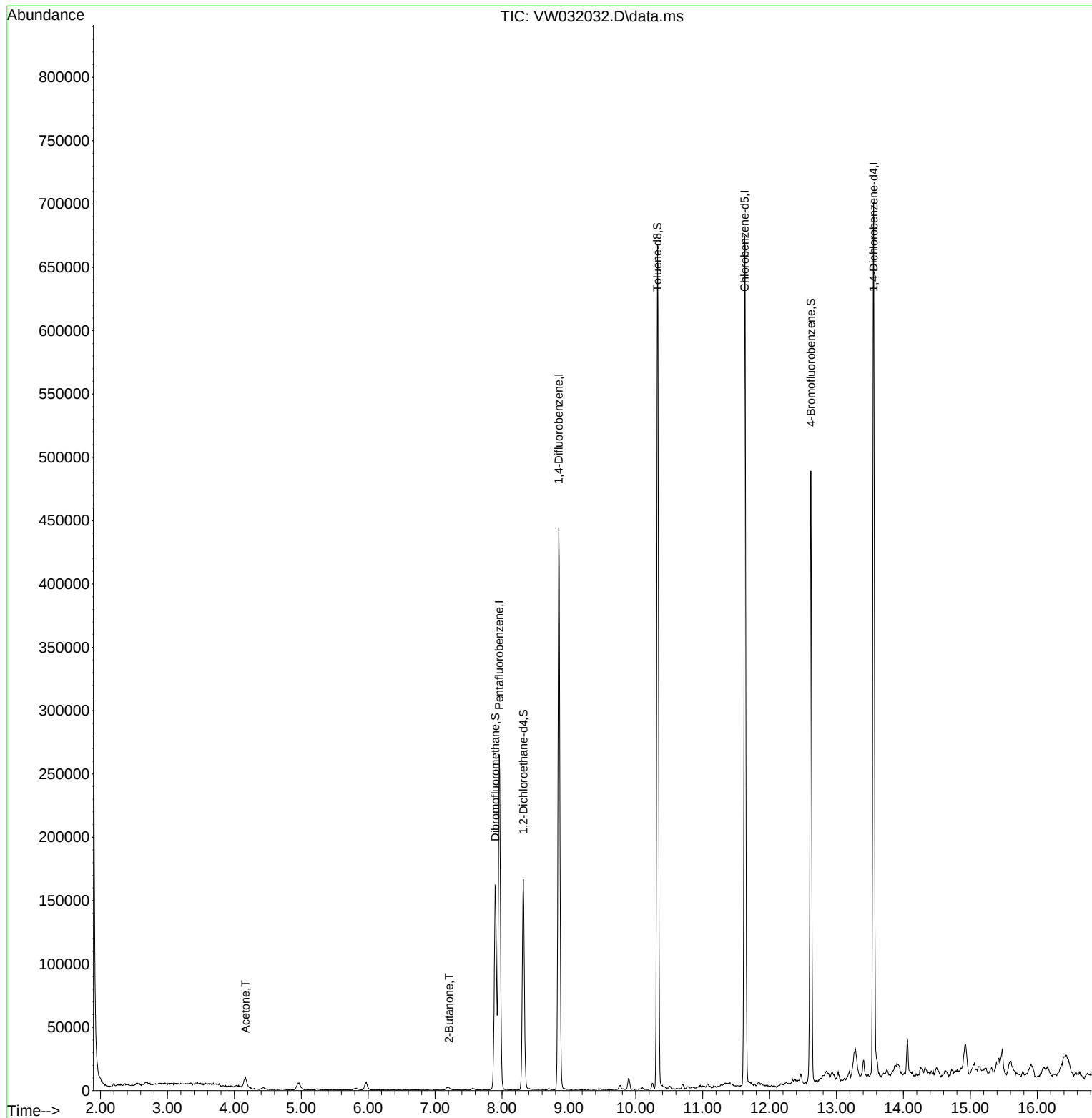
Internal Standards						
1) Pentafluorobenzene	7.959	168	184138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	374065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134131	48.153	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.300%
35) Dibromofluoromethane	7.898	113	117463	46.212	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.420%
50) Toluene-d8	10.325	98	447215	46.488	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.980%
62) 4-Bromofluorobenzene	12.617	95	175642	47.549	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.100%
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	13173	19.929	ug/l	89
25) 2-Butanone	7.209	43	3139	3.471	ug/l #	86

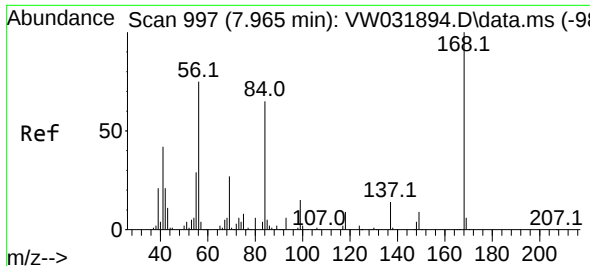
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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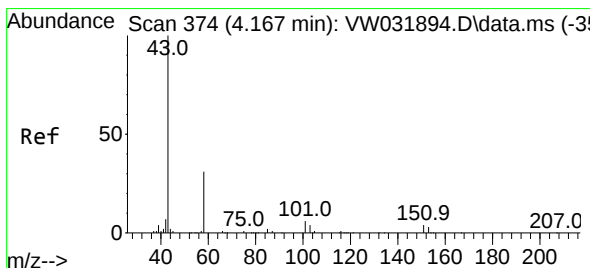
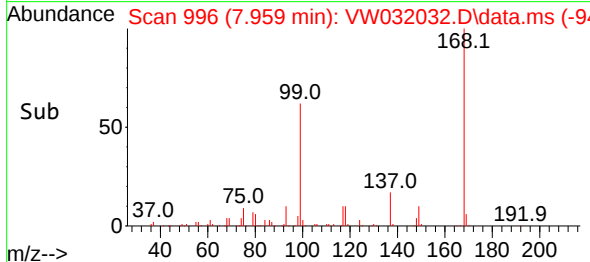
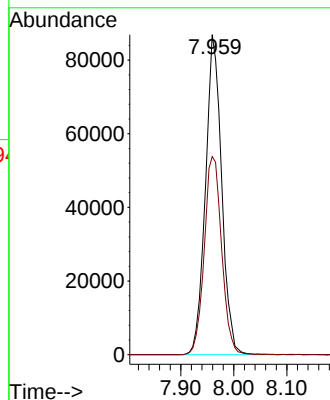
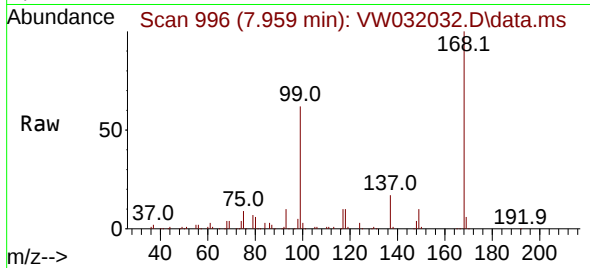




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

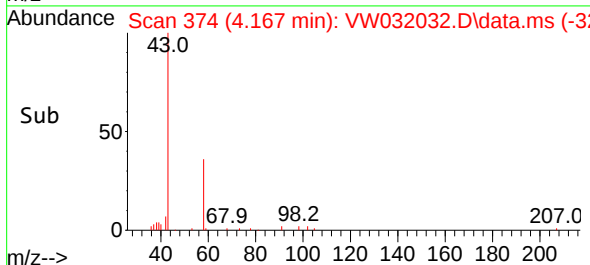
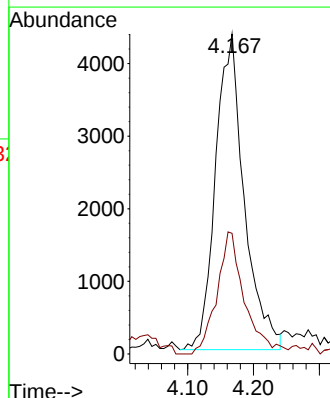
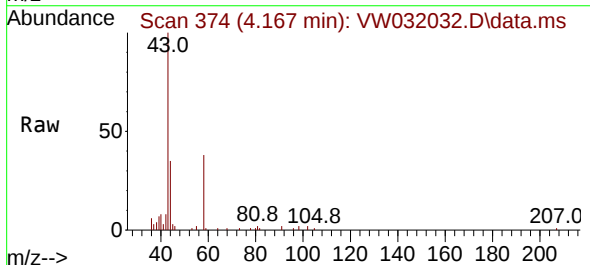
Instrument :
MSVOA_W
ClientSampleId :
TP-5-VOC

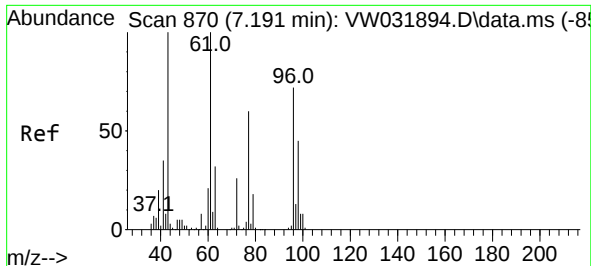
Tgt Ion:168 Resp: 184138
Ion Ratio Lower Upper
168 100
99 61.9 48.2 72.2



#16
Acetone
Concen: 19.929 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 43 Resp: 13173
Ion Ratio Lower Upper
43 100
58 38.2 25.5 38.3

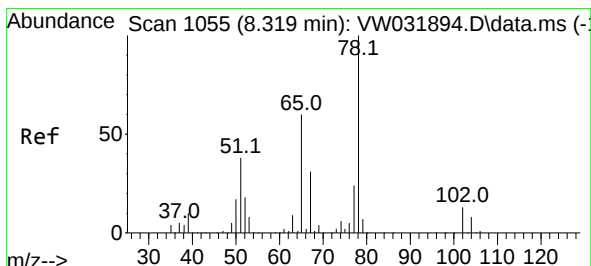
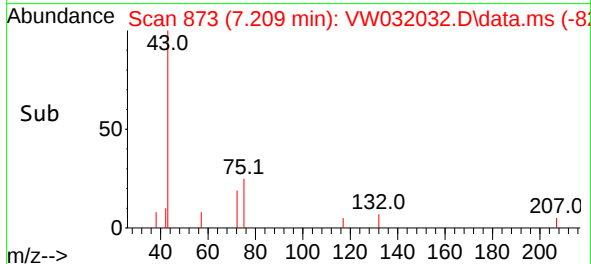
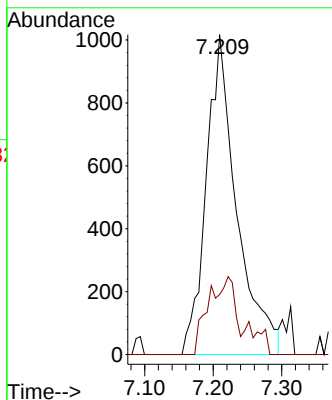
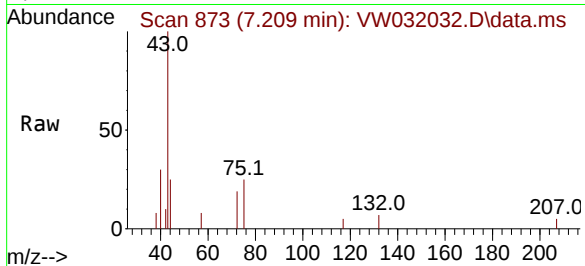




#25
2-Butanone
Concen: 3.471 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

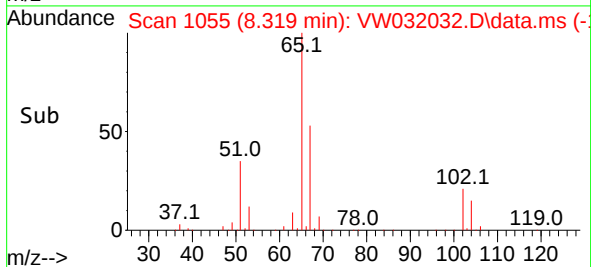
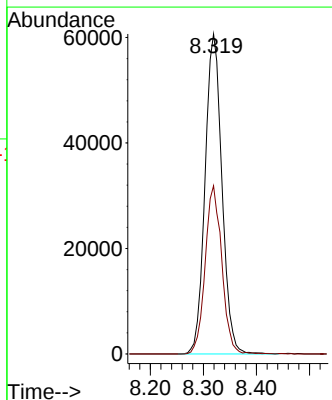
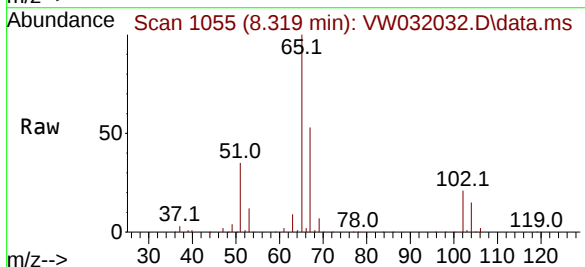
Instrument :
MSVOA_W
ClientSampleId :
TP-5-VOC

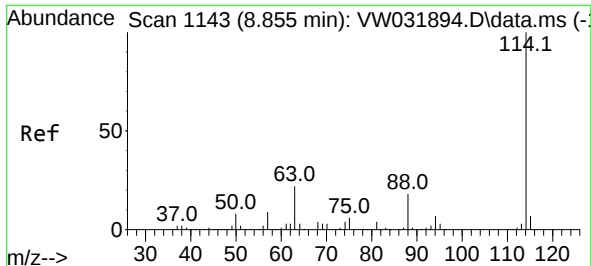
Tgt Ion: 43 Resp: 3139
Ion Ratio Lower Upper
43 100
72 18.8 20.8 31.2#



#33
1,2-Dichloroethane-d4
Concen: 48.153 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 65 Resp: 134131
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032032.D

Acq: 06 Aug 2025 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-5-VOC

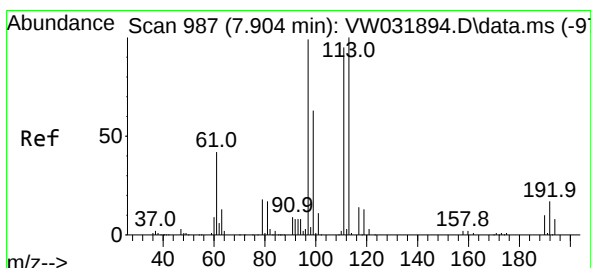
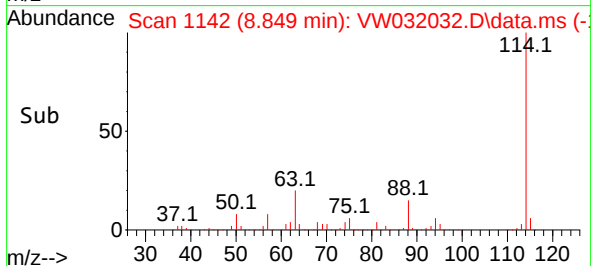
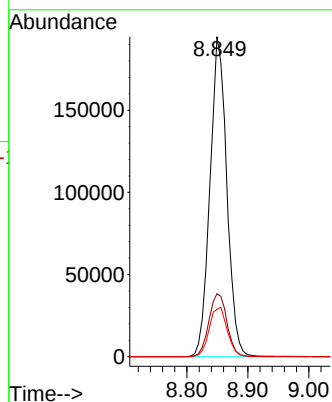
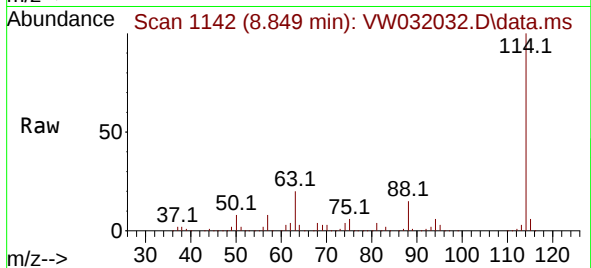
Tgt Ion:114 Resp: 374065

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.2

88 14.7 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.212 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032032.D

Acq: 06 Aug 2025 16:34

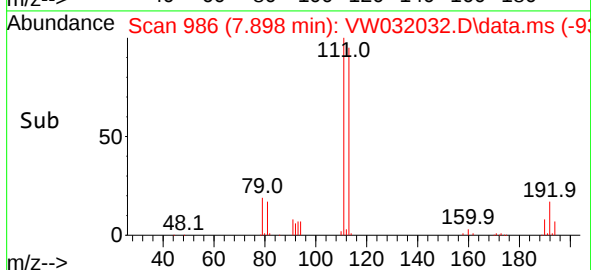
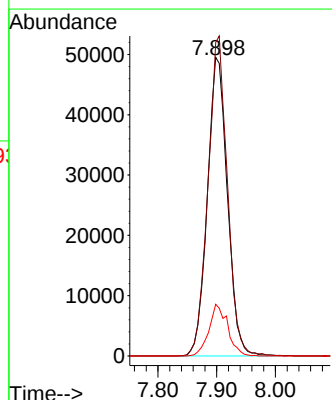
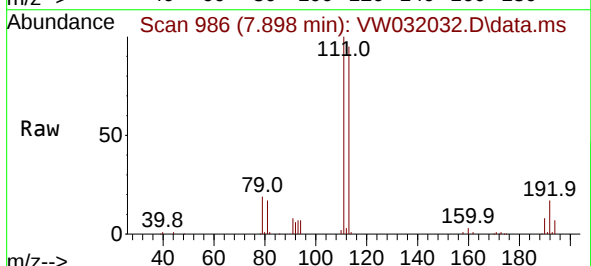
Tgt Ion:113 Resp: 117463

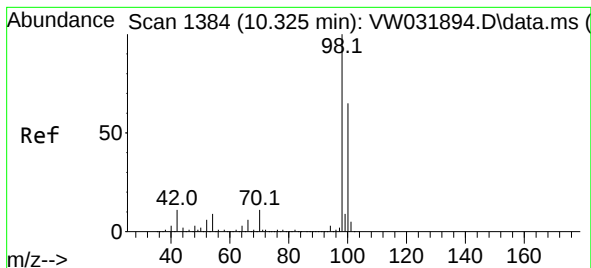
Ion Ratio Lower Upper

113 100

111 103.8 79.9 119.9

192 16.3 12.6 19.0





#50

Toluene-d8

Concen: 46.488 ug/l

RT: 10.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032032.D

Acq: 06 Aug 2025 16:34

Instrument :

MSVOA_W

ClientSampleId :

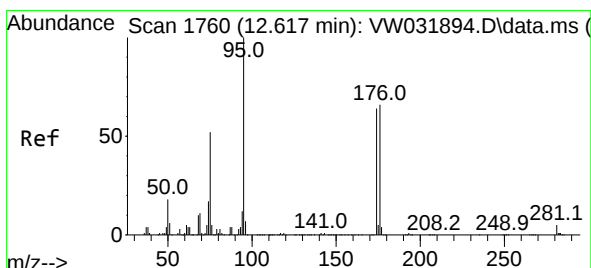
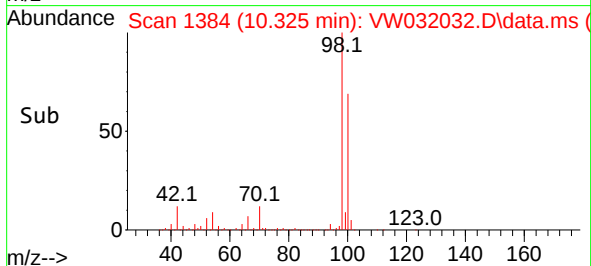
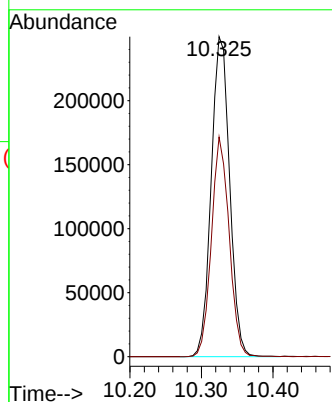
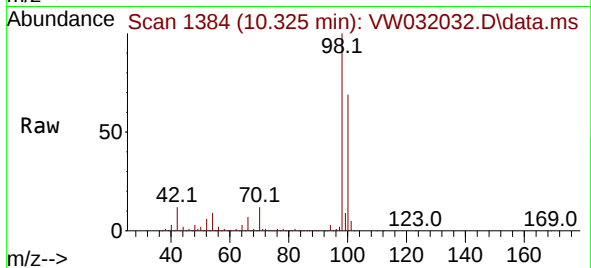
TP-5-VOC

Tgt Ion: 98 Resp: 447215

Ion Ratio Lower Upper

98 100

100 66.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.549 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032032.D

Acq: 06 Aug 2025 16:34

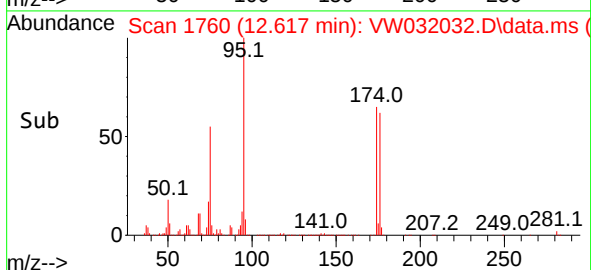
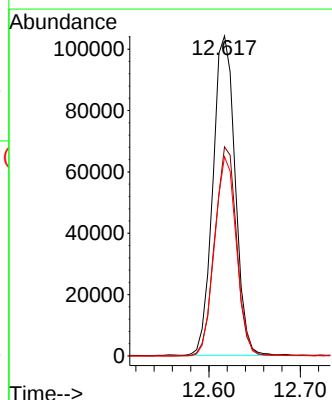
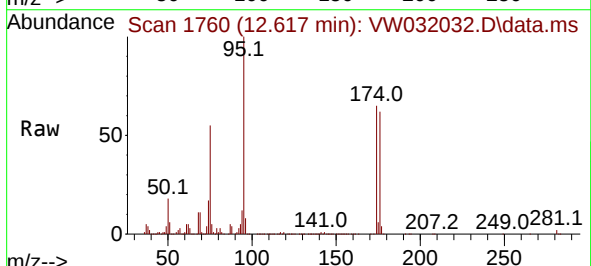
Tgt Ion: 95 Resp: 175642

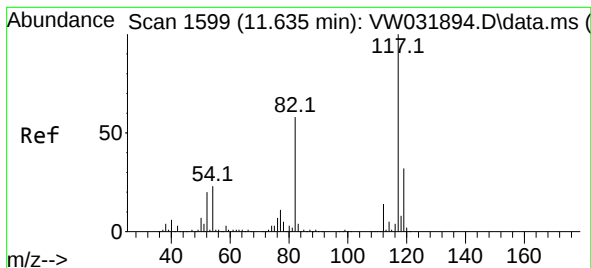
Ion Ratio Lower Upper

95 100

174 64.8 0.0 129.8

176 62.0 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032032.D

Acq: 06 Aug 2025 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-5-VOC

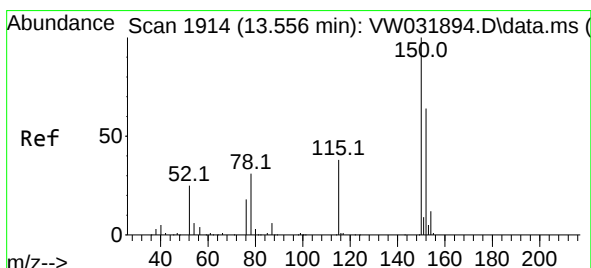
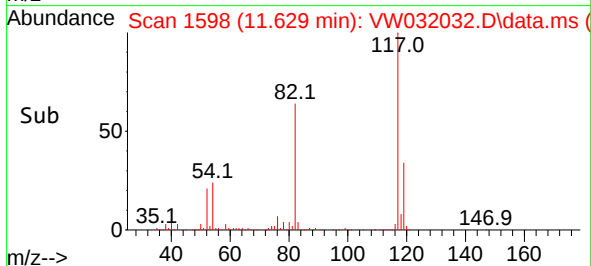
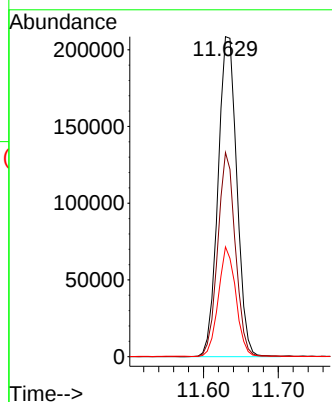
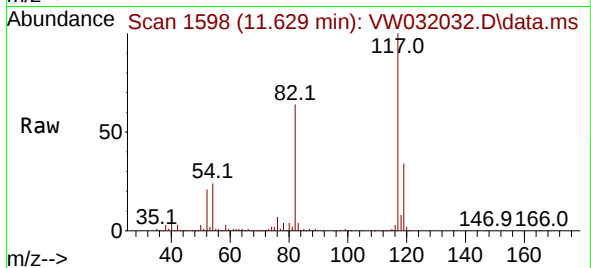
Tgt Ion:117 Resp: 366017

Ion Ratio Lower Upper

117 100

82 63.8 46.5 69.7

119 34.2 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: VW032032.D

Acq: 06 Aug 2025 16:34

Tgt Ion:152 Resp: 181226

Ion Ratio Lower Upper

152 100

115 65.3 33.4 100.1

150 153.8 0.0 352.2

