

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032399.D
 Acq On : 20 Oct 2025 18:58
 Operator : SY/MD
 Sample : Q3395-07
 Misc : 4.56g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S08-038048-20251017

Quant Time: Oct 21 01:34:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

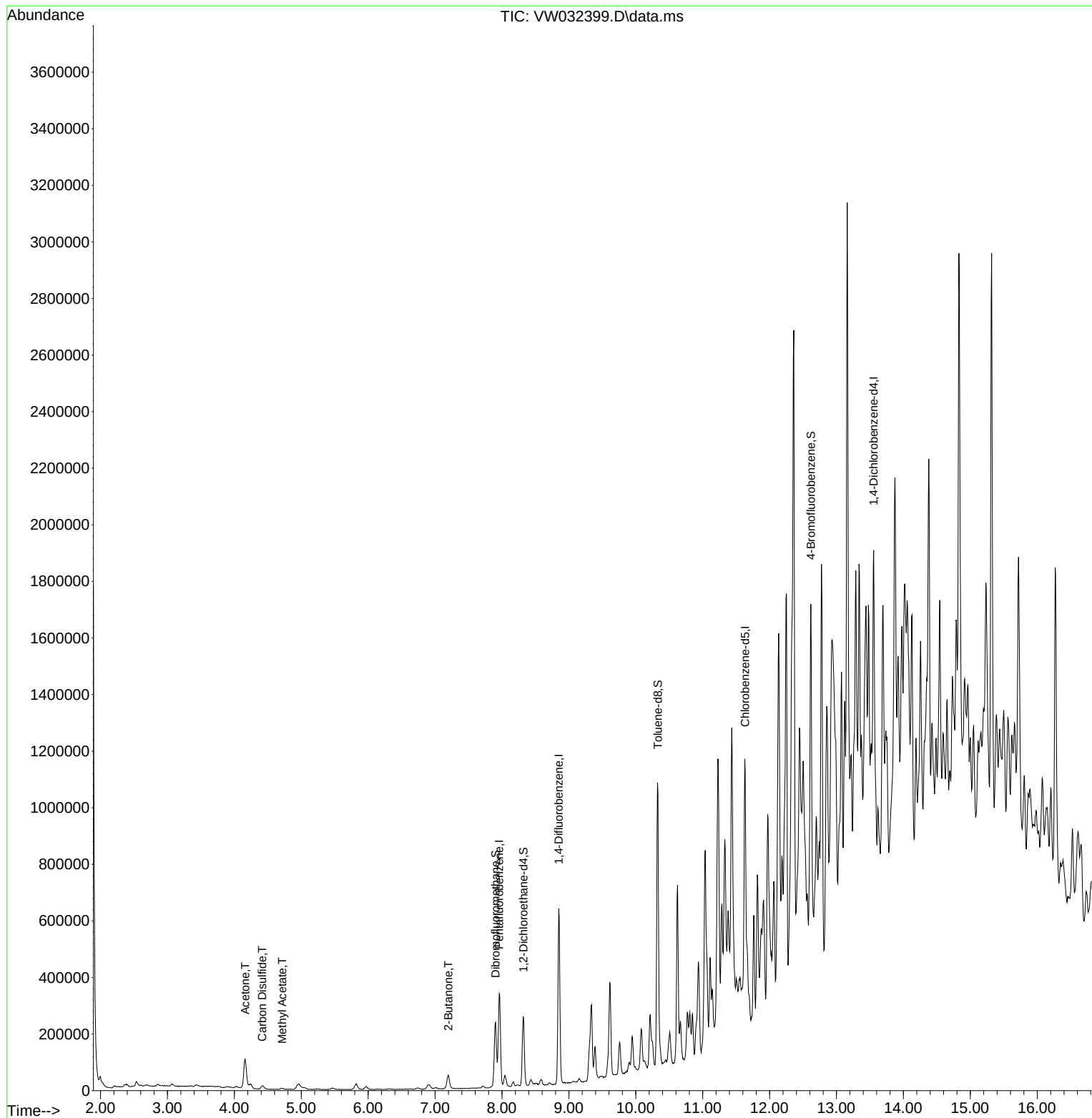
Internal Standards						
1) Pentafluorobenzene	7.959	168	239838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	525260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	508147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	203068	58.050	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.100%
35) Dibromofluoromethane	7.904	113	174150	51.196	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.400%
50) Toluene-d8	10.331	98	634729	50.557	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.120%
62) 4-Bromofluorobenzene	12.617	95	307677	64.839	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	129.680%
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	188988	195.110	ug/l	100
17) Carbon Disulfide	4.417	76	28260	3.832	ug/l #	94
18) Methyl Acetate	4.716	43	8634	3.112	ug/l	98
25) 2-Butanone	7.197	43	77218	58.533	ug/l	99

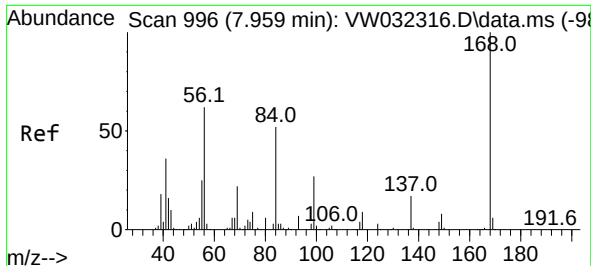
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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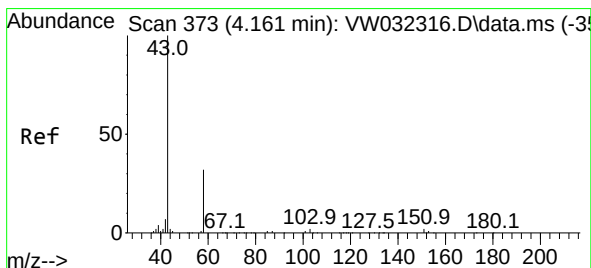
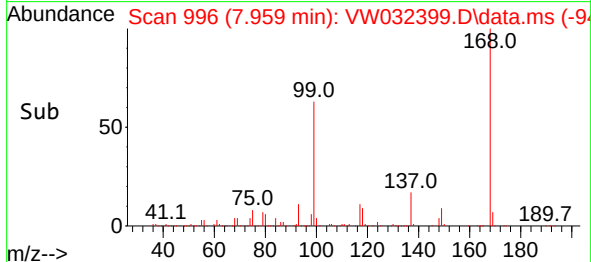
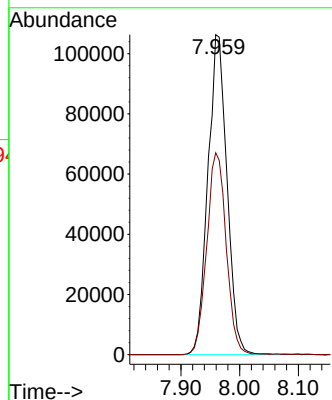
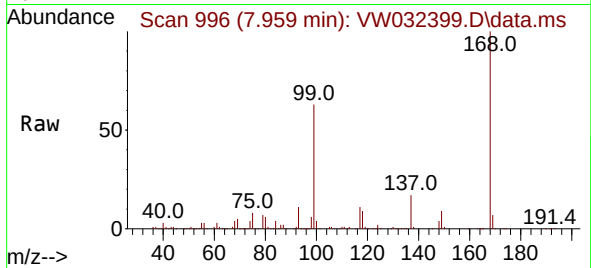




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

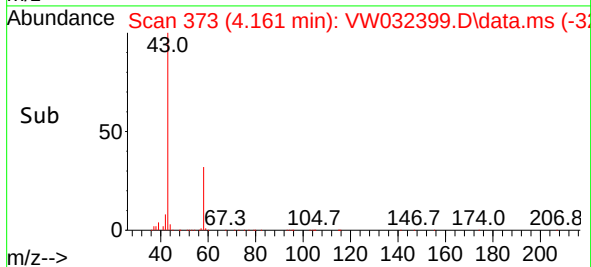
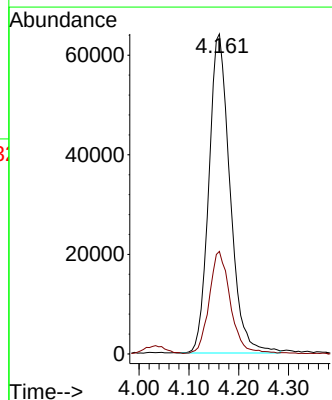
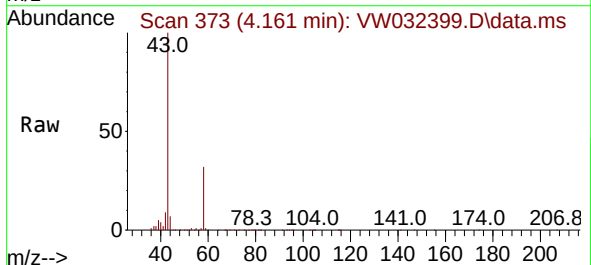
Instrument :
MSVOA_W
ClientSampleId :
PR132-S08-038048-20251017

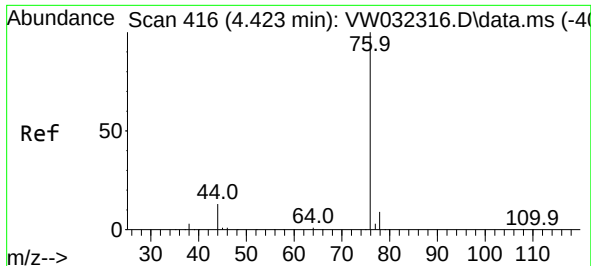
Tgt Ion:168 Resp: 239838
Ion Ratio Lower Upper
168 100
99 63.1 49.3 73.9



#16
Acetone
Concen: 195.110 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

Tgt Ion: 43 Resp: 188988
Ion Ratio Lower Upper
43 100
58 31.8 25.3 37.9

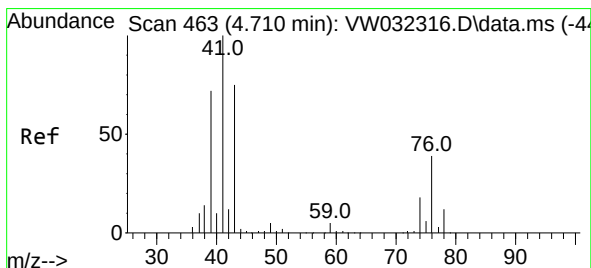
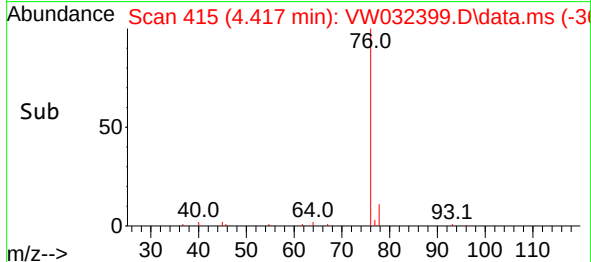
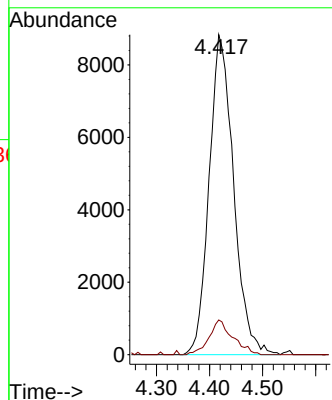
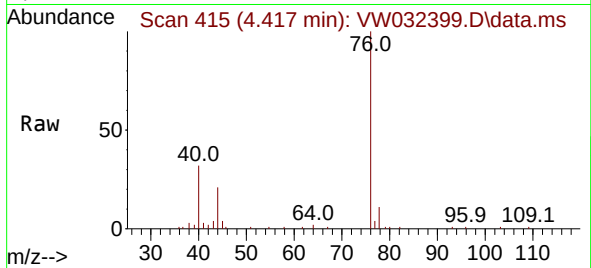




#17
Carbon Disulfide
Concen: 3.832 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

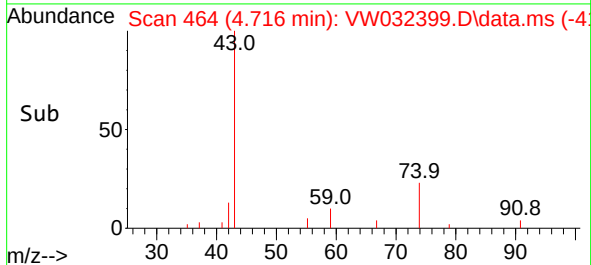
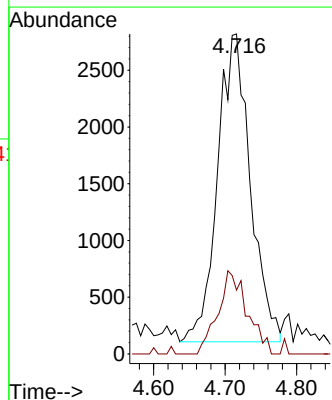
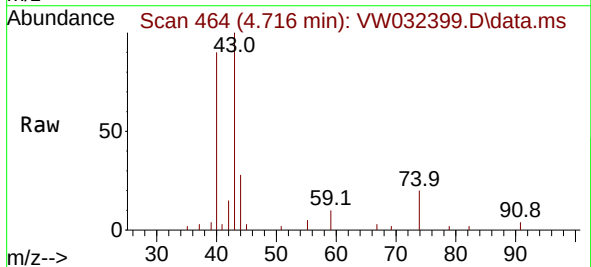
Instrument :
MSVOA_W
ClientSampleId :
PR132-S08-038048-20251017

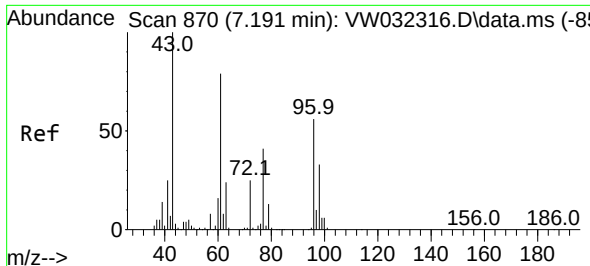
Tgt Ion: 76 Resp: 28260
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.6#



#18
Methyl Acetate
Concen: 3.112 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

Tgt Ion: 43 Resp: 8634
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.4

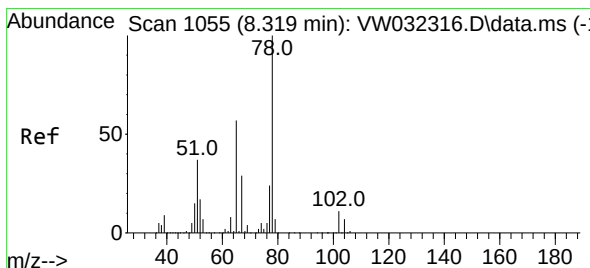
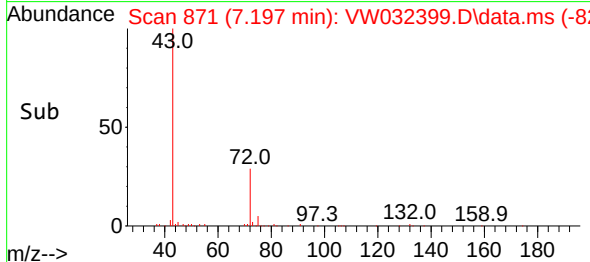
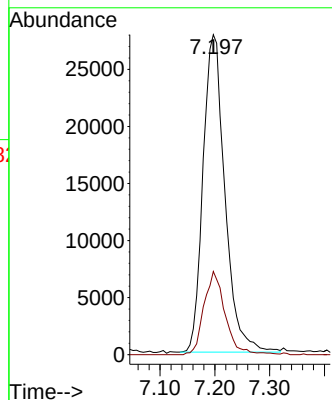
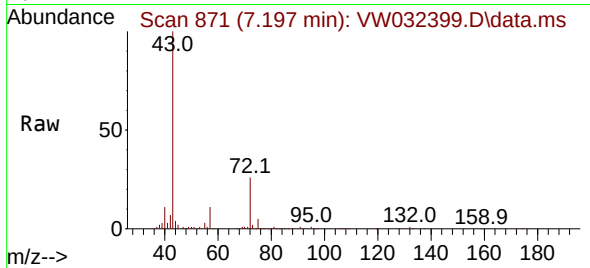




#25
2-Butanone
Concen: 58.533 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

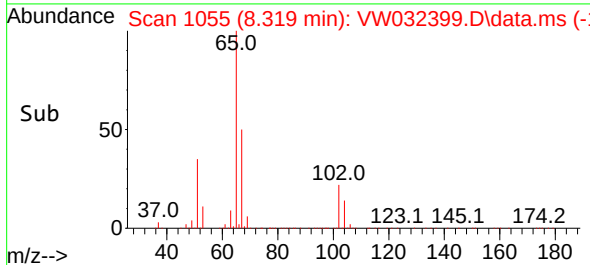
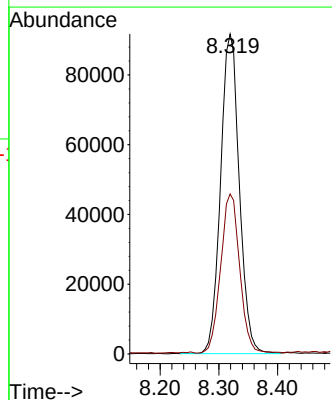
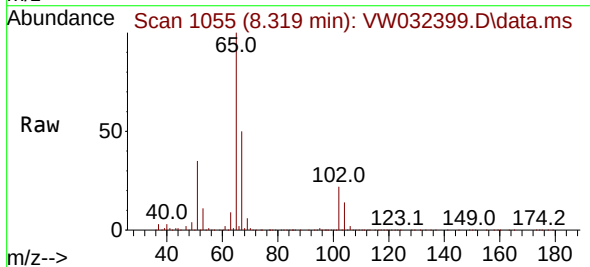
Instrument :
MSVOA_W
ClientSampleId :
PR132-S08-038048-20251017

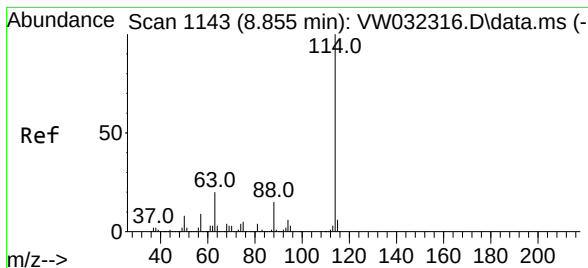
Tgt Ion: 43 Resp: 77218
Ion Ratio Lower Upper
43 100
72 26.2 21.4 32.2



#33
1,2-Dichloroethane-d4
Concen: 58.050 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

Tgt Ion: 65 Resp: 203068
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032399.D

Acq: 20 Oct 2025 18:58

Instrument :

MSVOA_W

ClientSampleId :

PR132-S08-038048-20251017

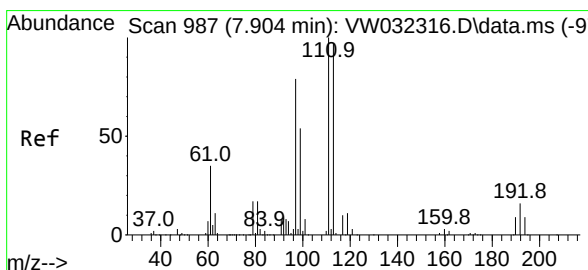
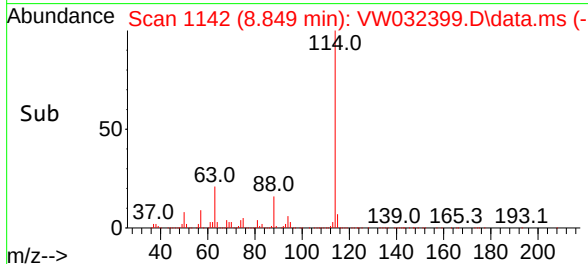
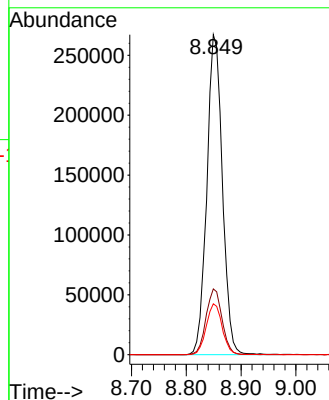
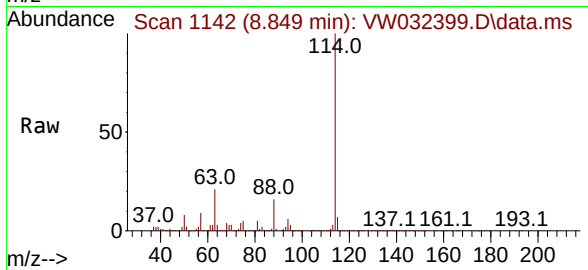
Tgt Ion:114 Resp: 525260

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.4

88 15.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.196 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032399.D

Acq: 20 Oct 2025 18:58

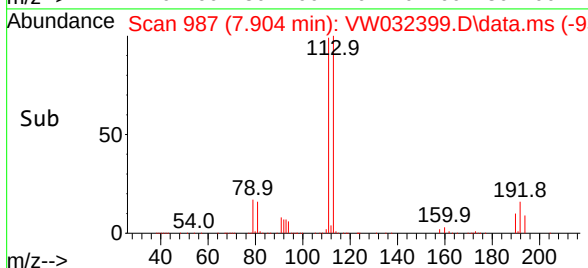
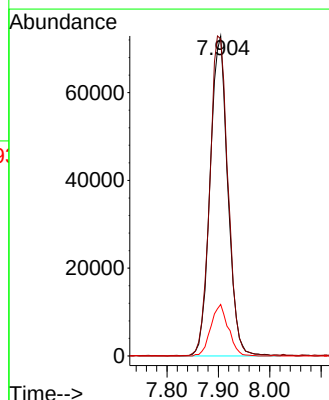
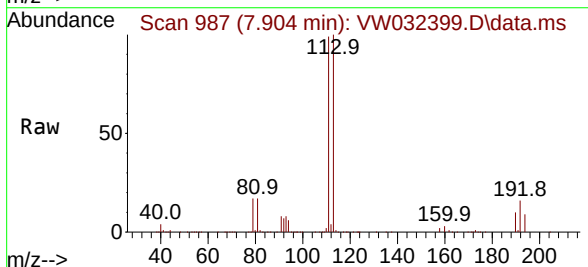
Tgt Ion:113 Resp: 174150

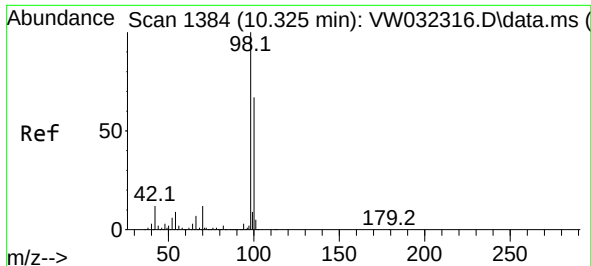
Ion Ratio Lower Upper

113 100

111 102.6 83.9 125.9

192 16.0 14.6 21.8

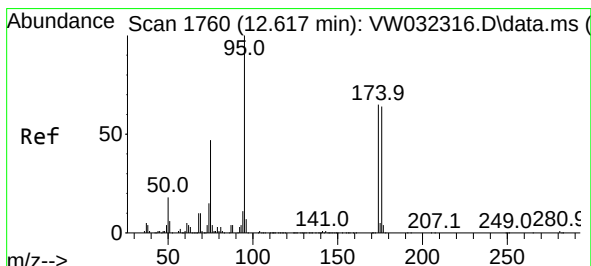
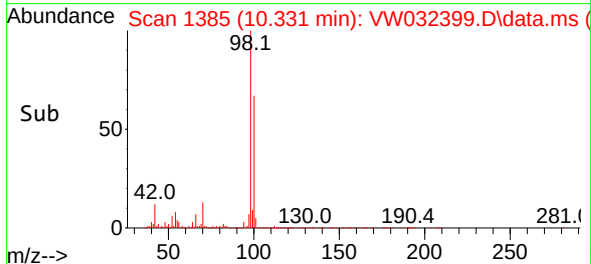
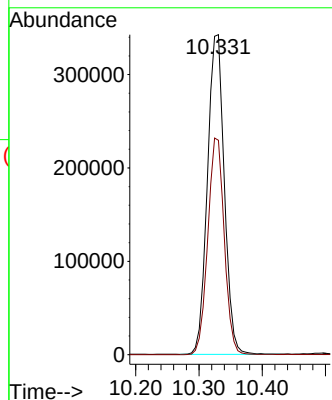
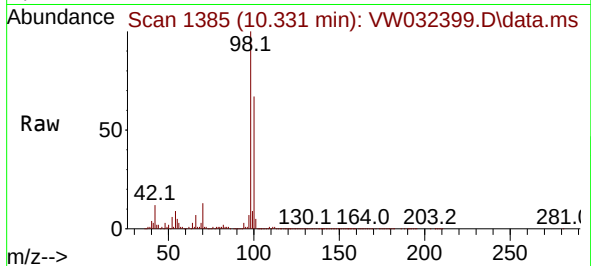




#50
Toluene-d8
Concen: 50.557 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

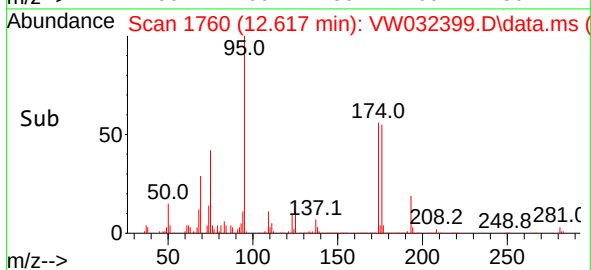
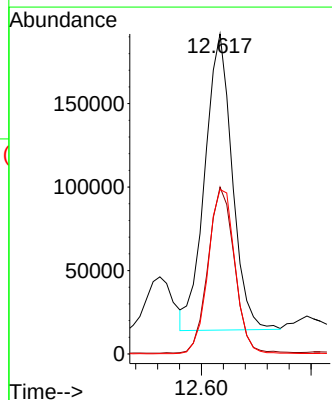
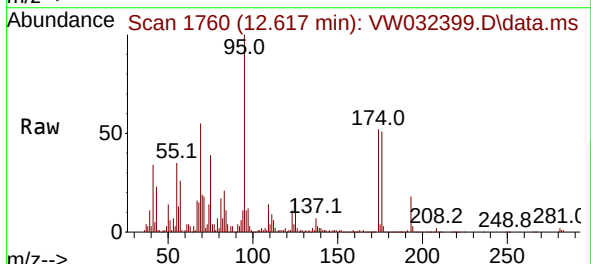
Instrument :
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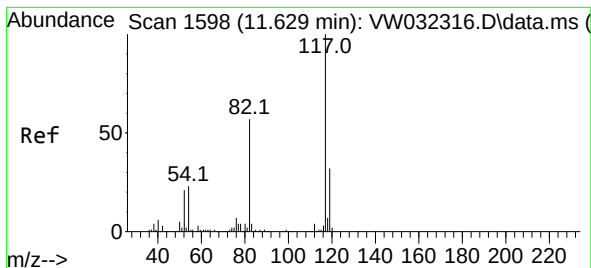
Tgt Ion: 98 Resp: 634729
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 64.839 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032399.D
Acq: 20 Oct 2025 18:58

Tgt Ion: 95 Resp: 307677
Ion Ratio Lower Upper
95 100
174 53.9 0.0 145.6
176 54.5 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: VW032399.D

Acq: 20 Oct 2025 18:58

Instrument :

MSVOA_W

ClientSampleId :

PR132-S08-038048-20251017

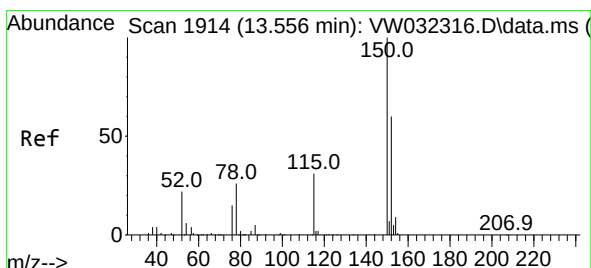
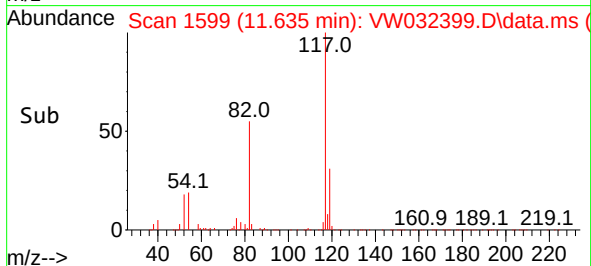
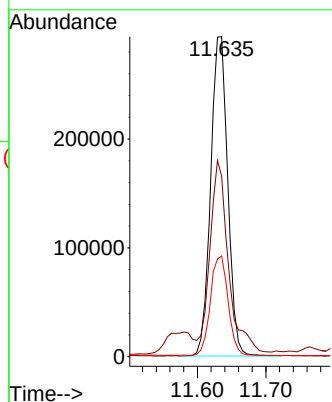
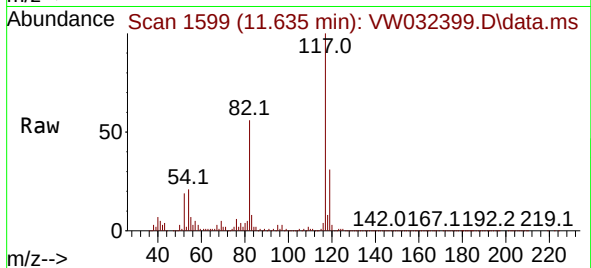
Tgt Ion:117 Resp: 508147

Ion Ratio Lower Upper

117 100

82 54.9 42.7 64.1

119 31.2 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: VW032399.D

Acq: 20 Oct 2025 18:58

Tgt Ion:152 Resp: 246462

Ion Ratio Lower Upper

152 100

115 59.4 31.8 95.4

150 147.4 0.0 343.0

