

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032396.D
 Acq On : 20 Oct 2025 17:51
 Operator : SY/MD
 Sample : Q3395-01
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S09-000051-20251017

Quant Time: Oct 21 01:32:48 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)

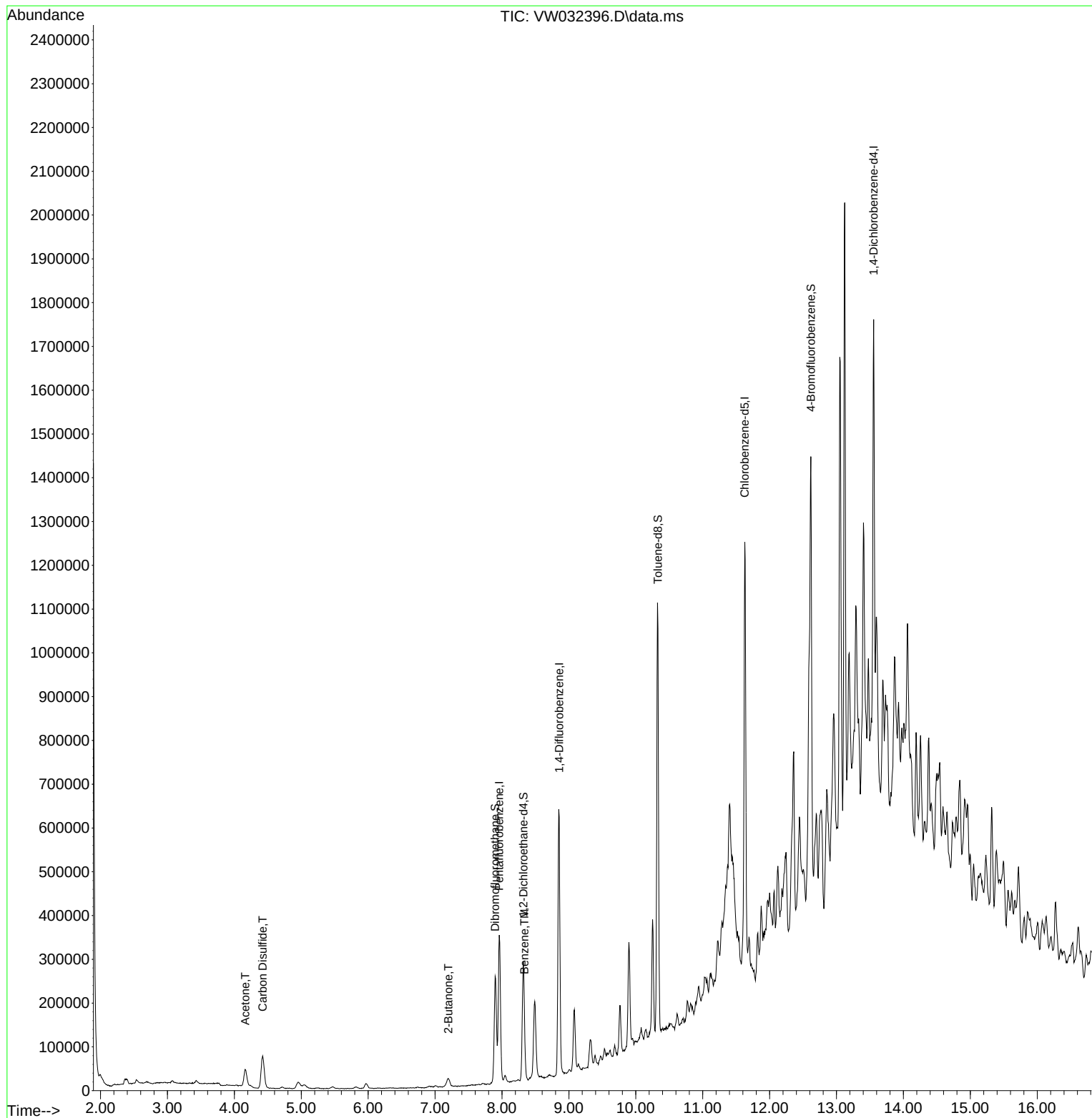
Internal Standards						
1) Pentafluorobenzene	7.959	168	242117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	528270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	532171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	278056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	214866	60.844	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 121.680%		
35) Dibromofluoromethane	7.898	113	184326	53.879	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.760%		
50) Toluene-d8	10.331	98	672570	53.266	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.540%		
62) 4-Bromofluorobenzene	12.617	95	309089	64.765	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 129.540%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	77052	78.799	ug/l	99
17) Carbon Disulfide	4.423	76	184469	24.777	ug/l	96
25) 2-Butanone	7.197	43	29021	21.792	ug/l	98
40) Benzene	8.337	78	23201	1.533	ug/l	99

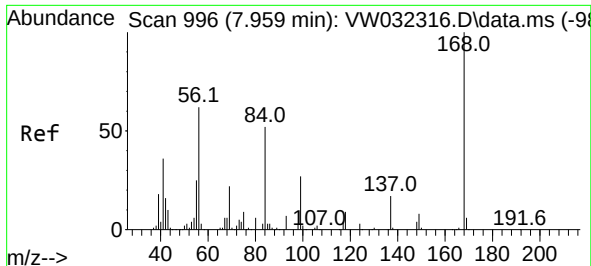
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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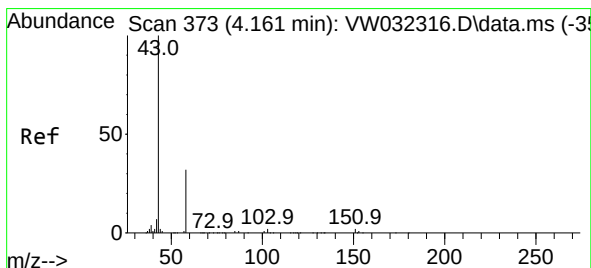
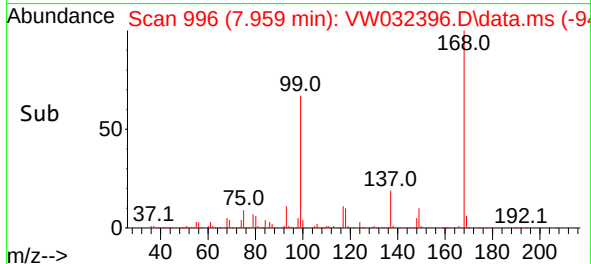
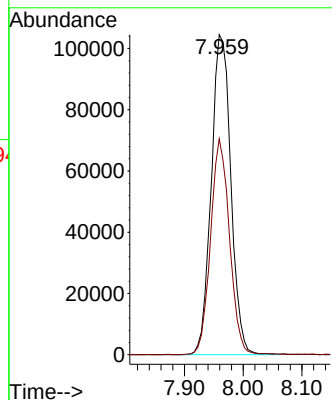
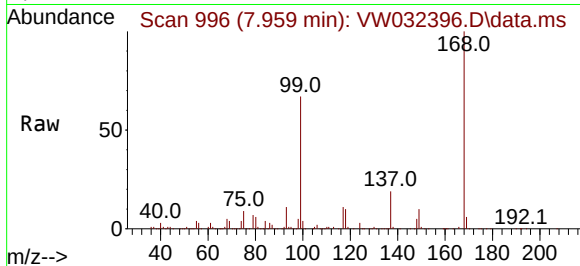




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

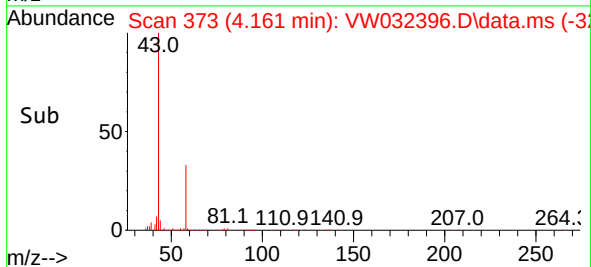
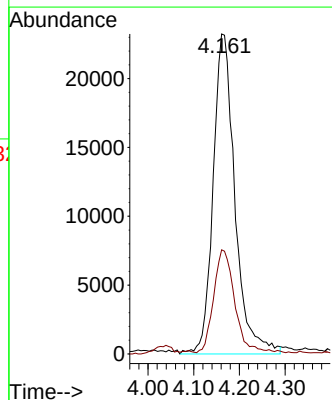
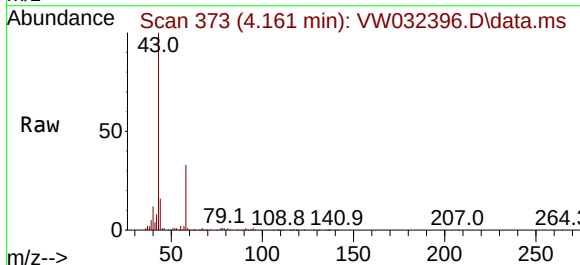
Instrument :
MSVOA_W
ClientSampleId :
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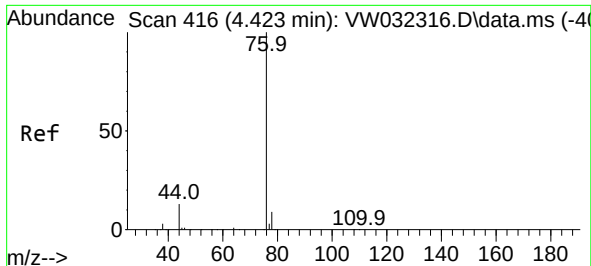
Tgt Ion:168 Resp: 242117
Ion Ratio Lower Upper
168 100
99 67.5 49.3 73.9



#16
Acetone
Concen: 78.799 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

Tgt Ion: 43 Resp: 77052
Ion Ratio Lower Upper
43 100
58 32.0 25.3 37.9

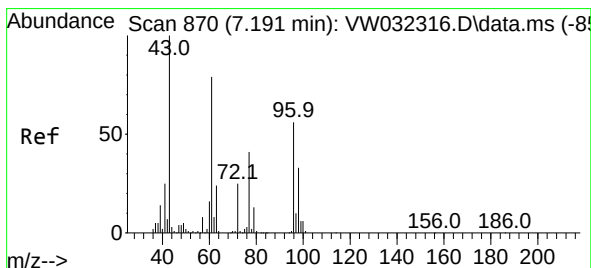
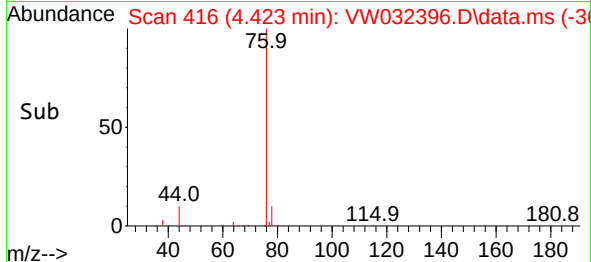
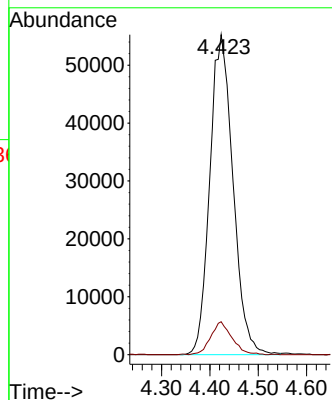
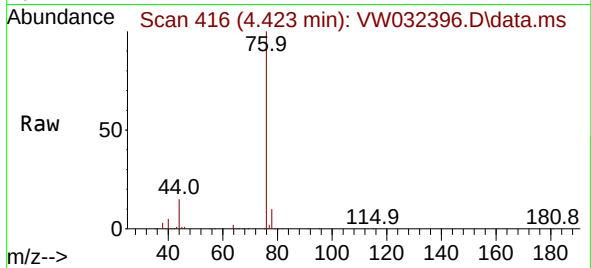




#17
Carbon Disulfide
Concen: 24.777 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

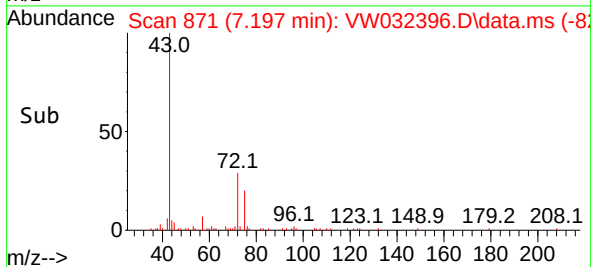
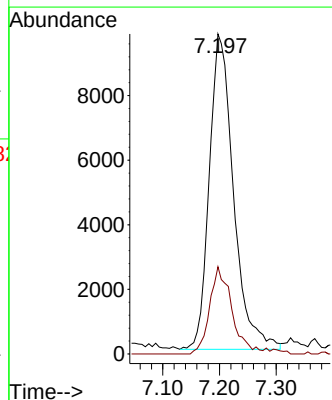
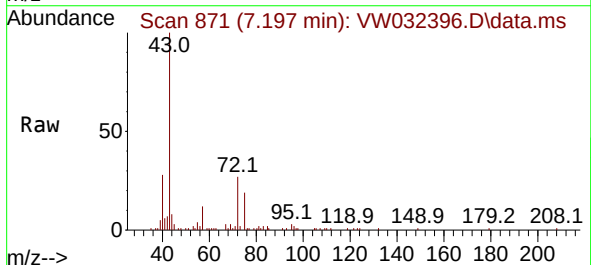
Instrument :
MSVOA_W
ClientSampleId :
PR132-S09-000051-20251017

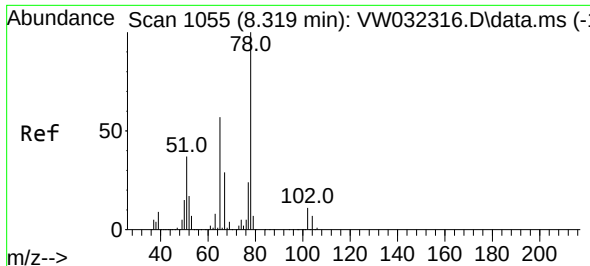
Tgt Ion: 76 Resp: 184469
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6



#25
2-Butanone
Concen: 21.792 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

Tgt Ion: 43 Resp: 29021
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.2





#33

1,2-Dichloroethane-d4

Concen: 60.844 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032396.D

Acq: 20 Oct 2025 17:51

Instrument :

MSVOA_W

ClientSampleId :

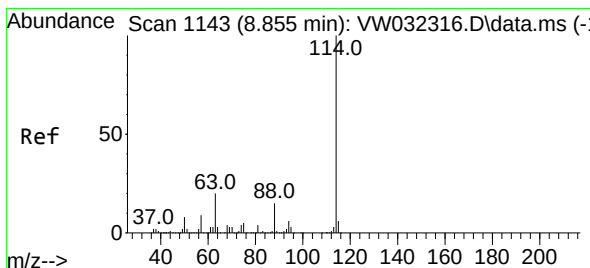
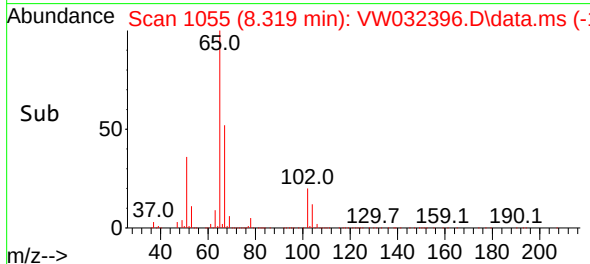
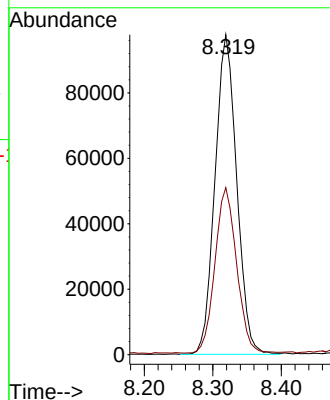
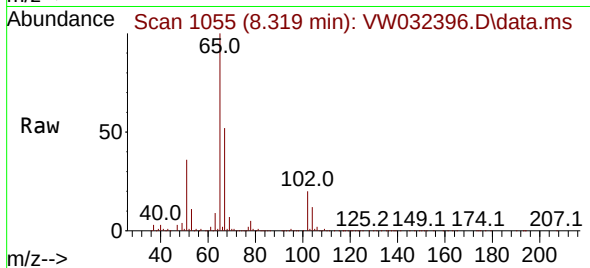
PR132-S09-000051-20251017

Tgt Ion: 65 Resp: 214866

Ion Ratio Lower Upper

65 100

67 51.5 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: VW032396.D

Acq: 20 Oct 2025 17:51

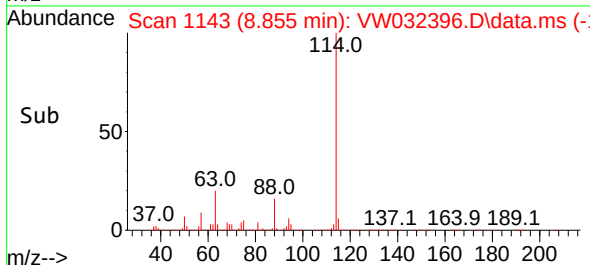
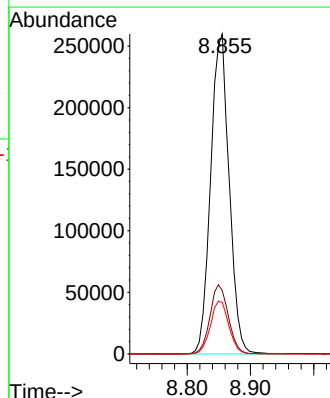
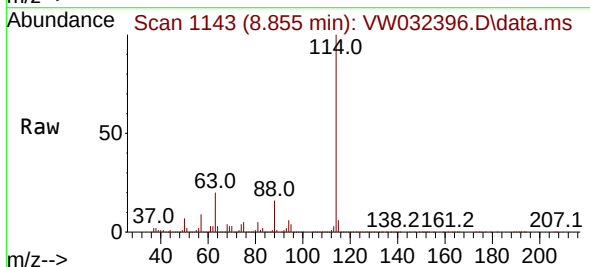
Tgt Ion: 114 Resp: 528270

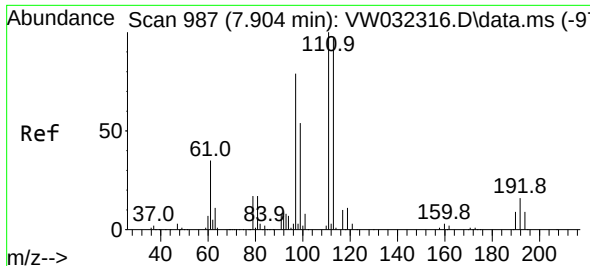
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.4

88 16.1 0.0 32.0

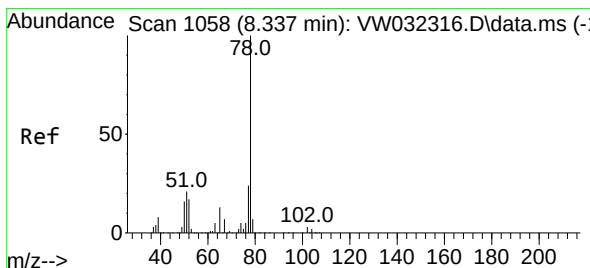
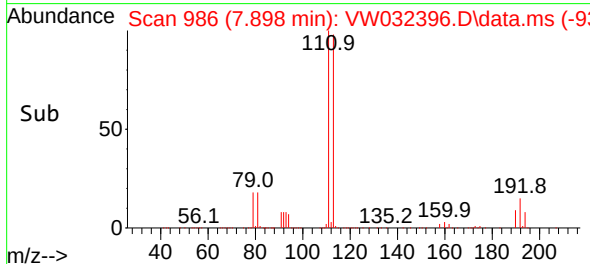
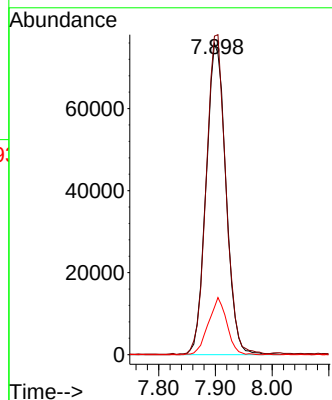
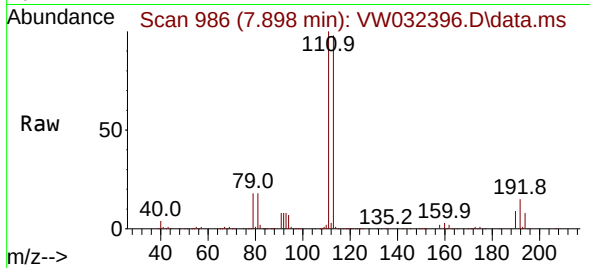




#35
Dibromofluoromethane
Concen: 53.879 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

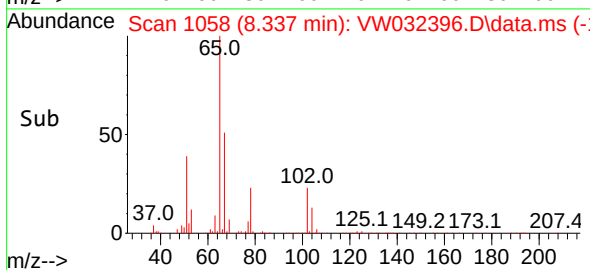
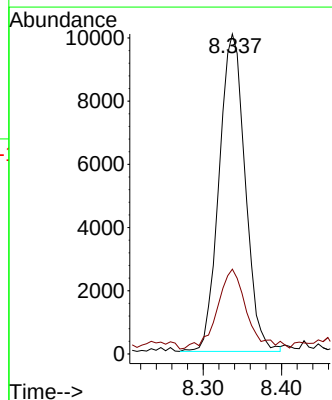
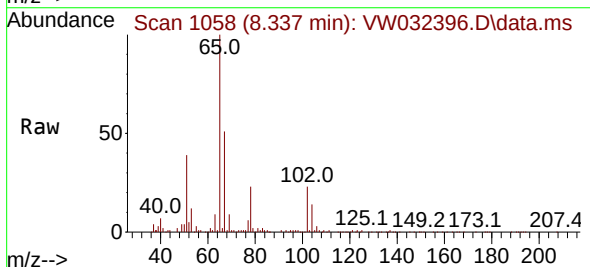
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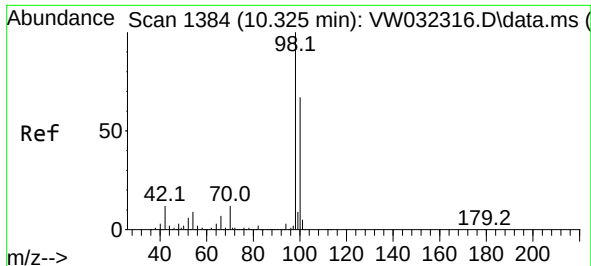
Tgt Ion:113 Resp: 184326
Ion Ratio Lower Upper
113 100
111 101.3 83.9 125.9
192 17.1 14.6 21.8



#40
Benzene
Concen: 1.533 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

Tgt Ion: 78 Resp: 23201
Ion Ratio Lower Upper
78 100
77 25.2 20.7 31.1

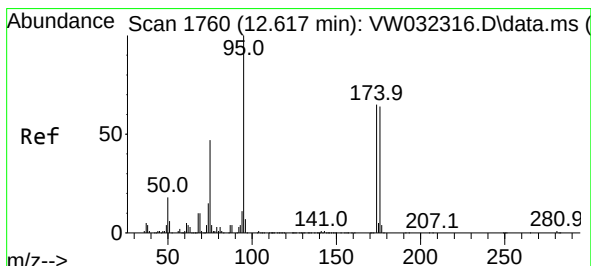
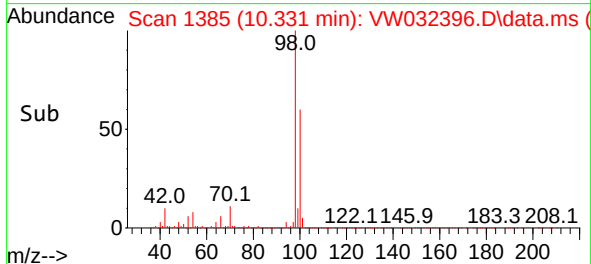
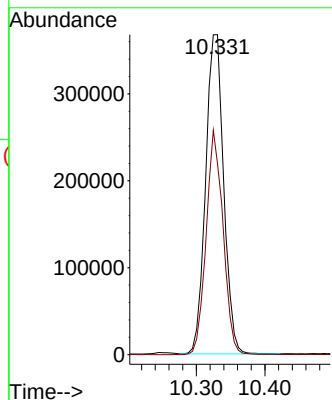
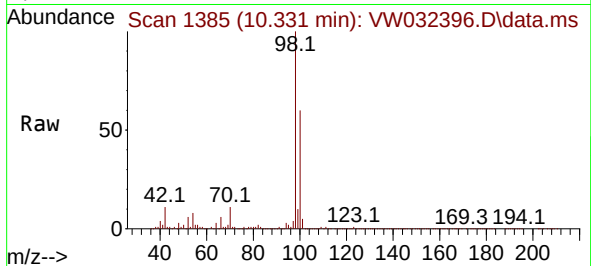




#50
Toluene-d8
Concen: 53.266 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

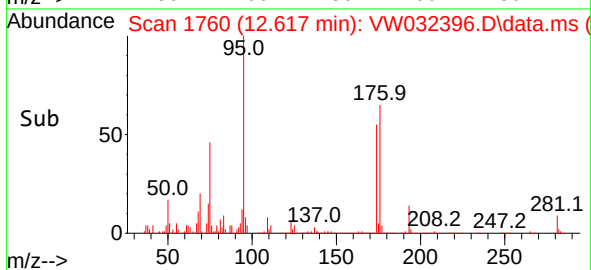
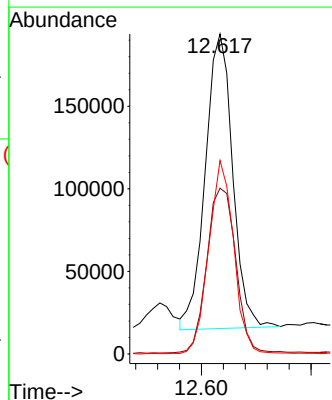
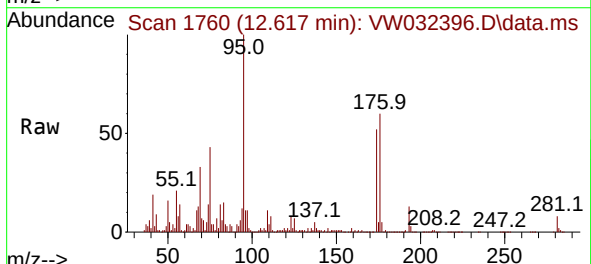
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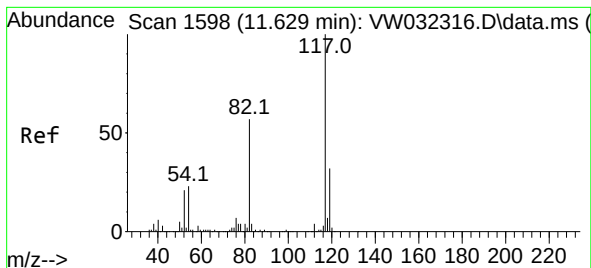
Tgt Ion: 98 Resp: 672570
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 64.765 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032396.D
Acq: 20 Oct 2025 17:51

Tgt Ion: 95 Resp: 309089
Ion Ratio Lower Upper
95 100
174 60.3 0.0 145.6
176 60.5 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VW032396.D

Acq: 20 Oct 2025 17:51

Instrument :

MSVOA_W

ClientSampleId :

PR132-S09-000051-20251017

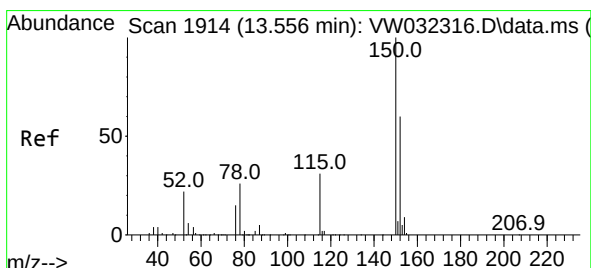
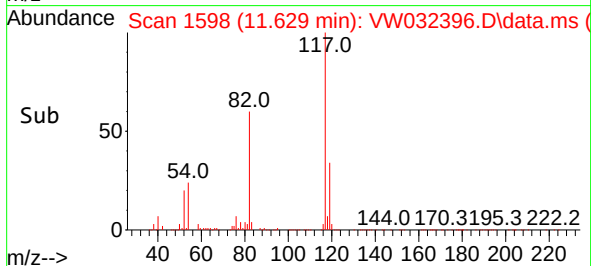
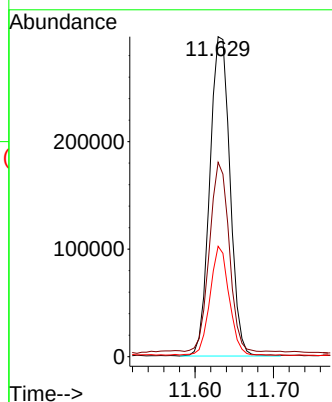
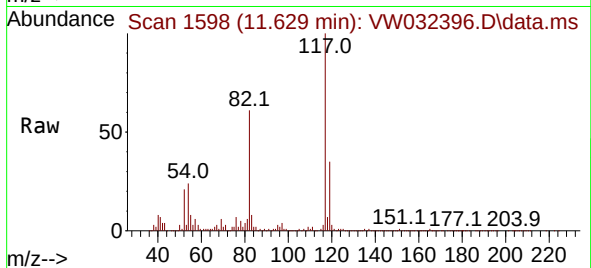
Tgt Ion:117 Resp: 532171

Ion Ratio Lower Upper

117 100

82 59.2 42.7 64.1

119 34.0 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: VW032396.D

Acq: 20 Oct 2025 17:51

Tgt Ion:152 Resp: 278056

Ion Ratio Lower Upper

152 100

115 59.7 31.8 95.4

150 153.3 0.0 343.0

