

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031823.D
 Acq On : 11 Jul 2025 16:32
 Operator : SY/MD
 Sample : Q2560-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 11 22:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

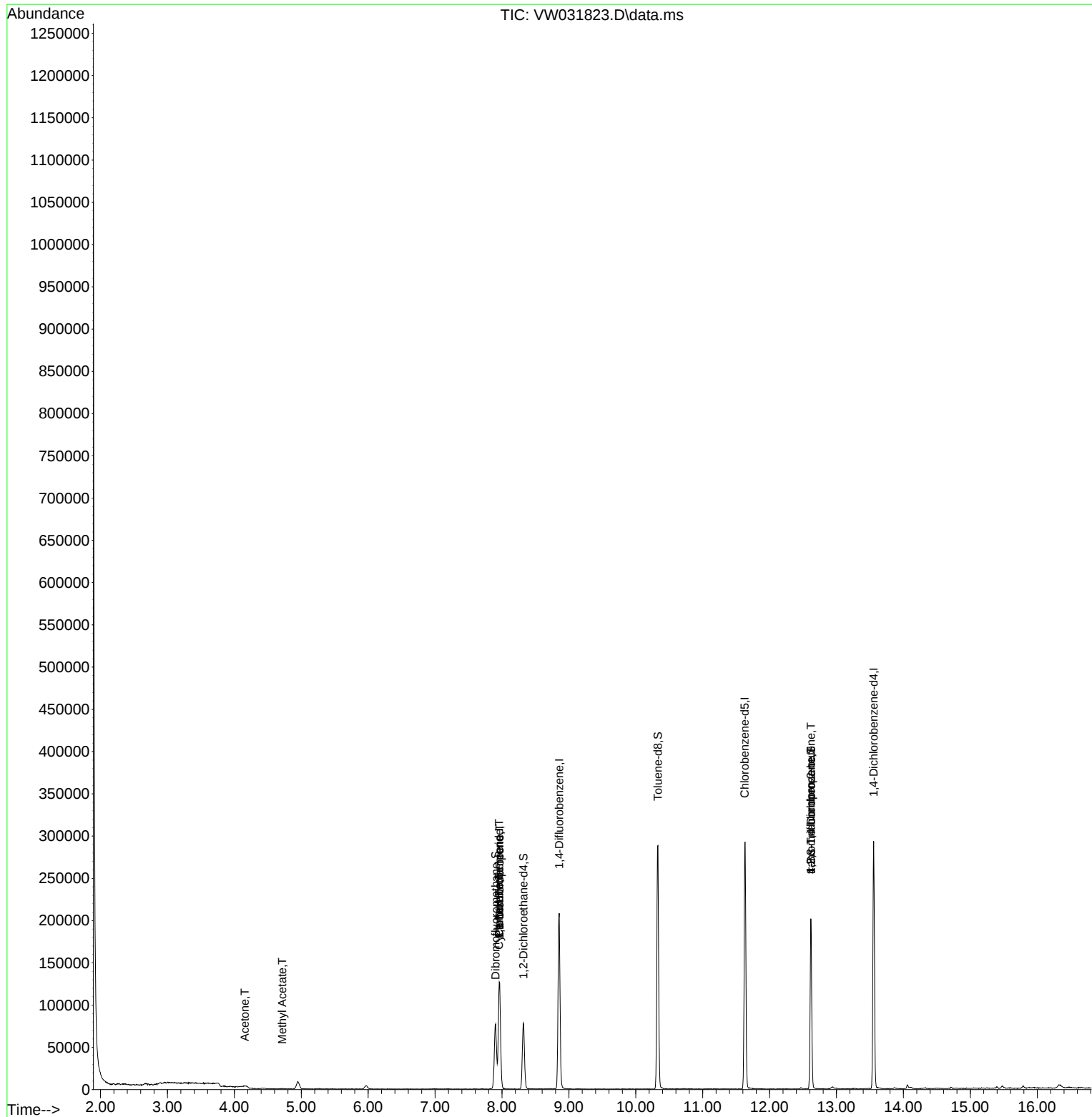
Internal Standards						
1) Pentafluorobenzene	7.959	168	86289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	174959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	160898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	72383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	66240	53.491	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 106.980%		
35) Dibromofluoromethane	7.904	113	57490	50.355	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.720%		
50) Toluene-d8	10.331	98	194107	45.687	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.380%		
62) 4-Bromofluorobenzene	12.617	95	70474	45.074	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 90.140%		
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	2119	6.923	ug/l	100
18) Methyl Acetate	4.716	43	1228	1.404	ug/l	91
31) Cyclohexane	7.953	56	2415	1.370	ug/l #	27
36) 1,1-Dichloropropene	7.965	75	8621	5.218	ug/l #	51
38) Carbon Tetrachloride	7.959	117	9880	5.869	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	37687	40.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	37687	93.842	ug/l #	8

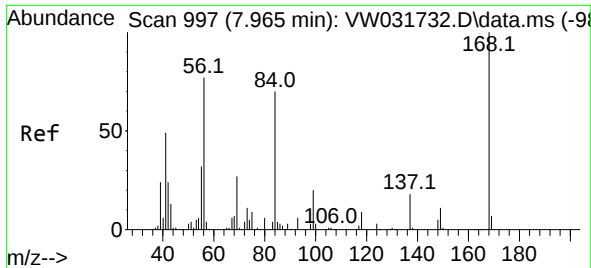
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031823.D
Acq On : 11 Jul 2025 16:32
Operator : SY/MD
Sample : Q2560-03
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 11 22:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

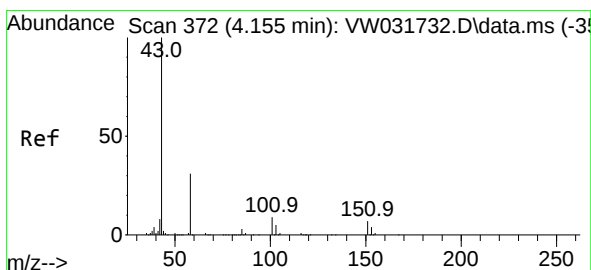
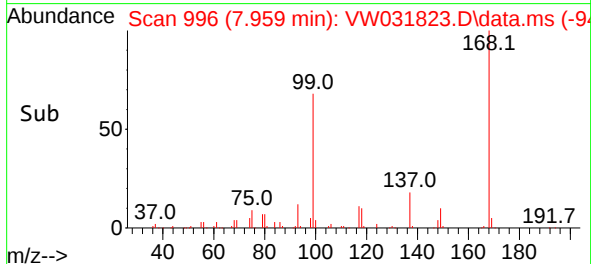
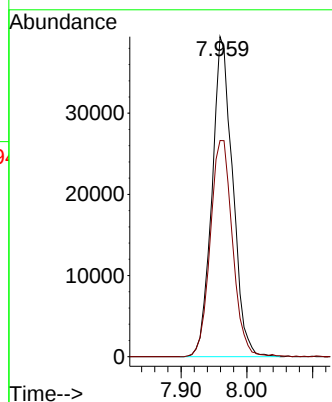
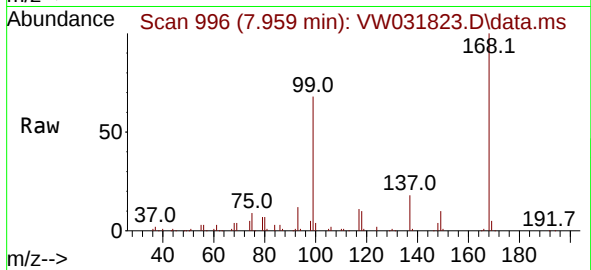




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031823.D
Acq: 11 Jul 2025 16:32

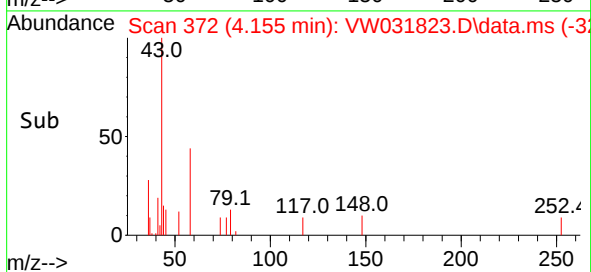
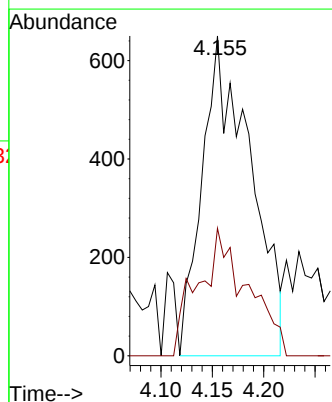
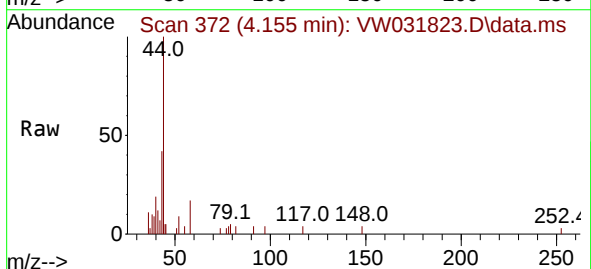
Instrument :
MSVOA_W
ClientSampleId :

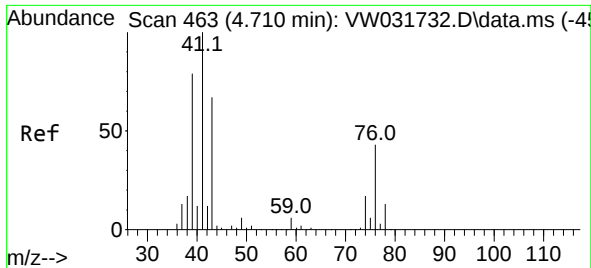
Tgt Ion:168 Resp: 86289
Ion Ratio Lower Upper
168 100
99 67.5 49.4 74.2



#16
Acetone
Concen: 6.923 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031823.D
Acq: 11 Jul 2025 16:32

Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 30.9 24.8 37.2

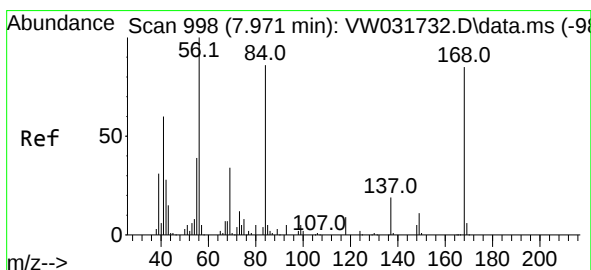
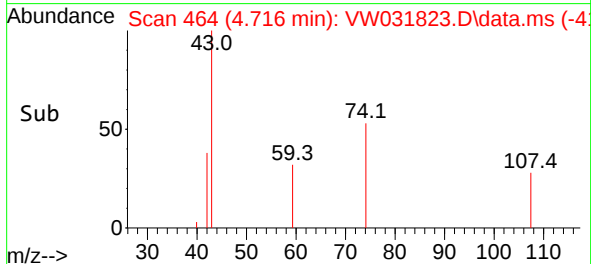
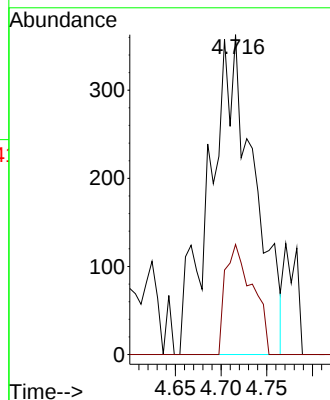
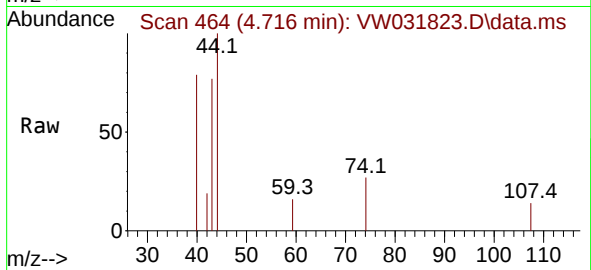




#18
Methyl Acetate
Concen: 1.404 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW031823.D
Acq: 11 Jul 2025 16:32

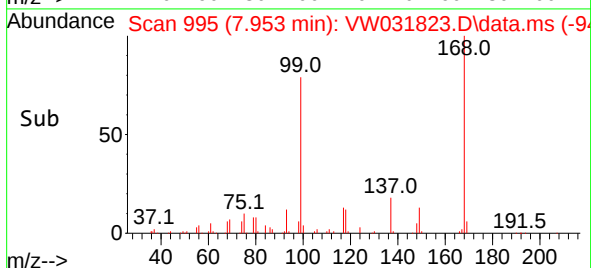
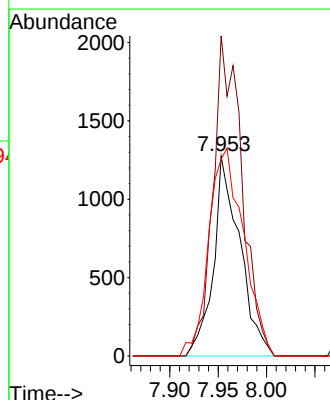
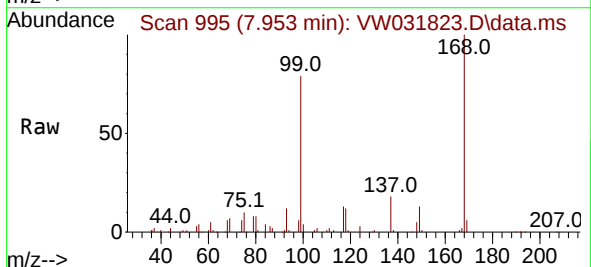
Instrument :
MSVOA_W
ClientSampleId :

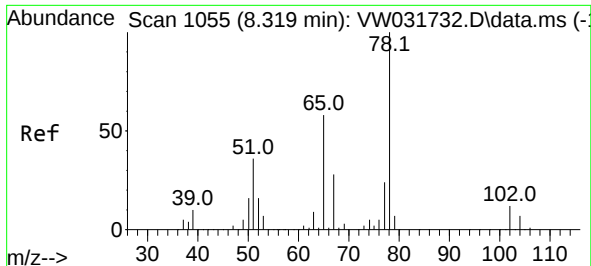
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
74 21.2 20.6 30.8



#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW031823.D
Acq: 11 Jul 2025 16:32

Tgt Ion: 56 Resp: 2415
Ion Ratio Lower Upper
56 100
69 160.3 27.2 40.8#
84 98.7 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 53.491 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031823.D

Acq: 11 Jul 2025 16:32

Instrument :

MSVOA_W

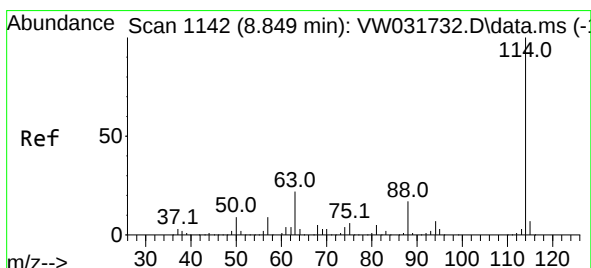
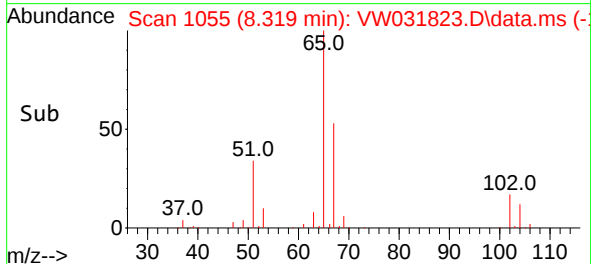
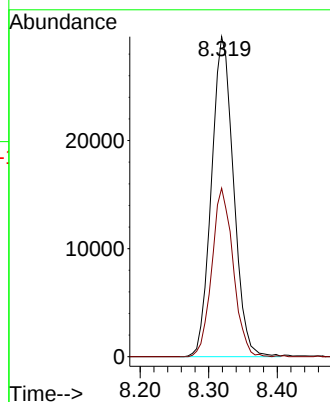
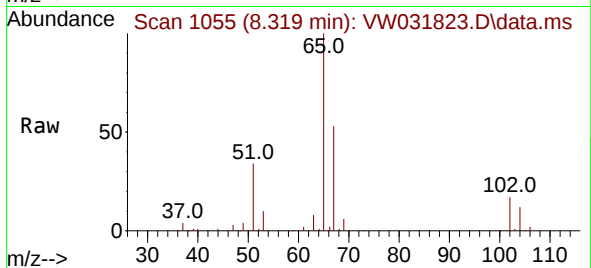
ClientSampleId :

Tgt Ion: 65 Resp: 66240

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031823.D

Acq: 11 Jul 2025 16:32

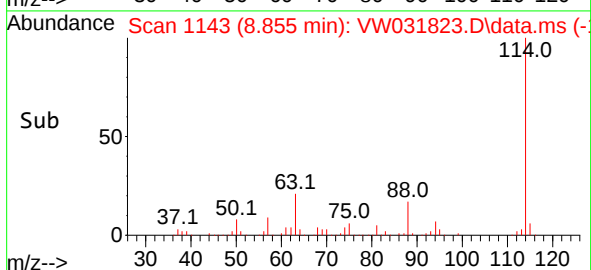
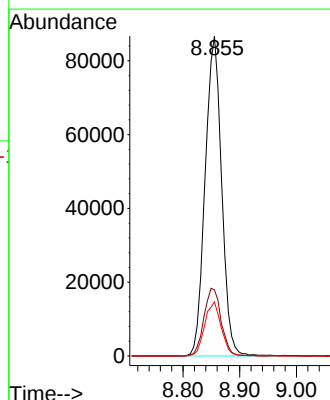
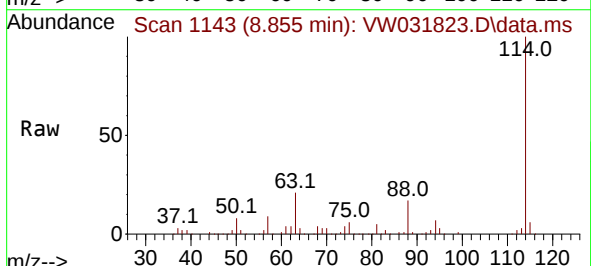
Tgt Ion: 114 Resp: 174959

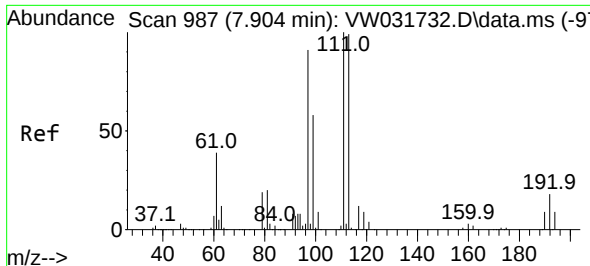
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.6

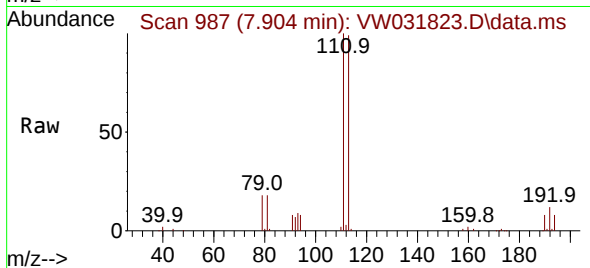
88 16.9 0.0 34.2



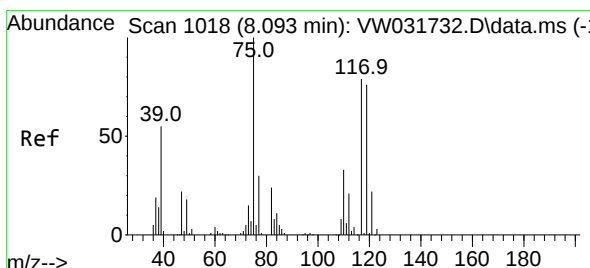
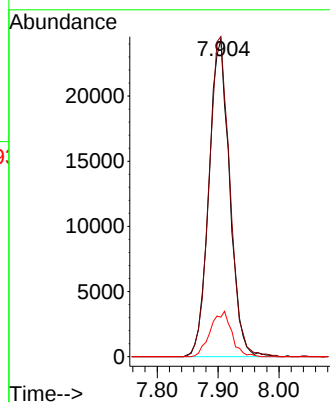
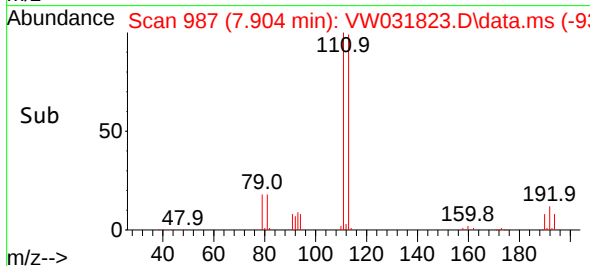


#35
 Dibromofluoromethane
 Concen: 50.355 ug/l
 RT: 7.904 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: VW031823.D
 Acq: 11 Jul 2025 16:32

Instrument :
 MSVOA_W
 ClientSampleId :

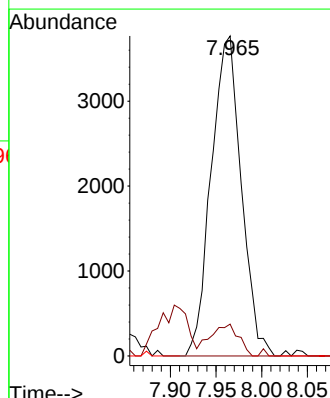
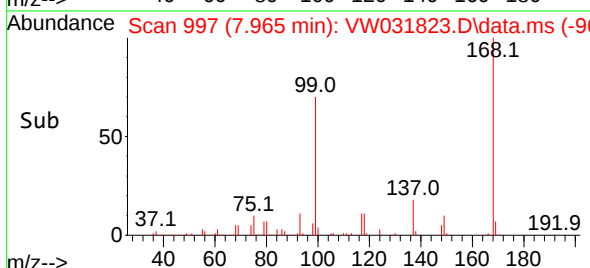
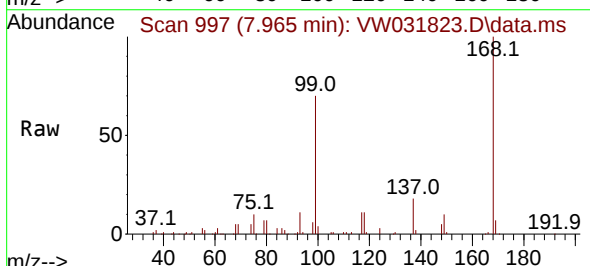


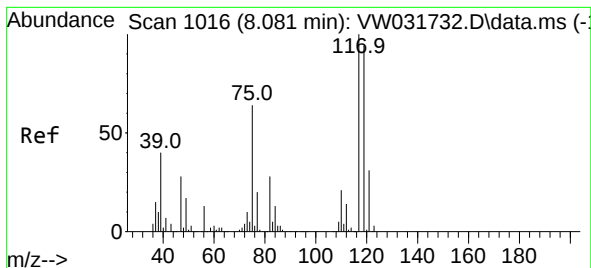
Tgt Ion:113 Resp: 57490
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.1 123.1
 192 14.8 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.218 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031823.D
 Acq: 11 Jul 2025 16:32

Tgt Ion: 75 Resp: 8621
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.8 50.4#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

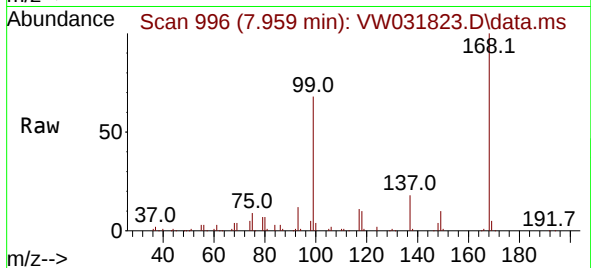
Lab File: VW031823.D

Acq: 11 Jul 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :



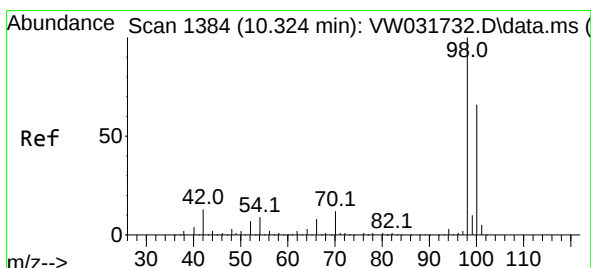
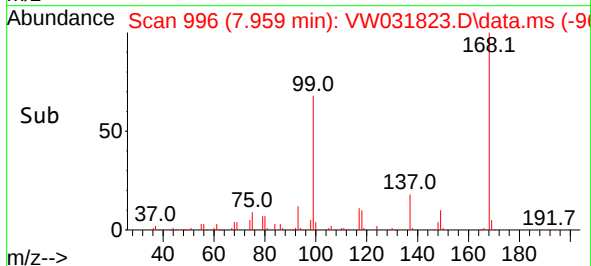
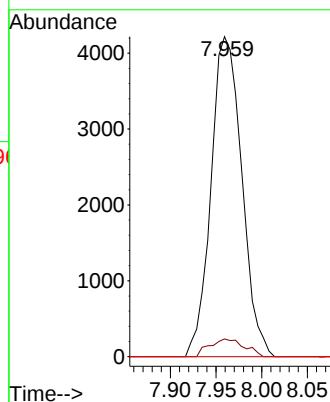
Tgt Ion:117 Resp: 9880

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 45.687 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031823.D

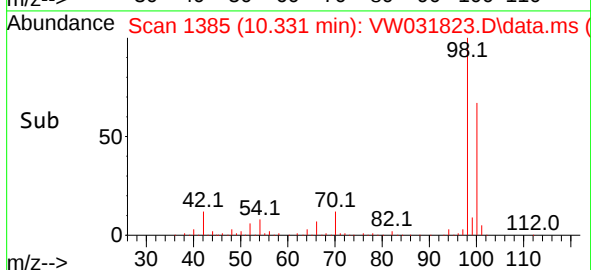
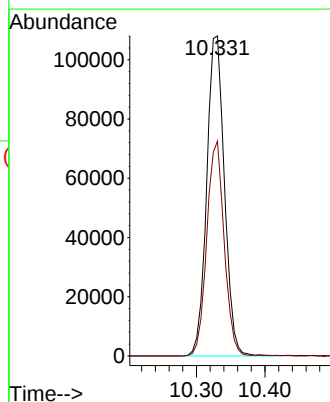
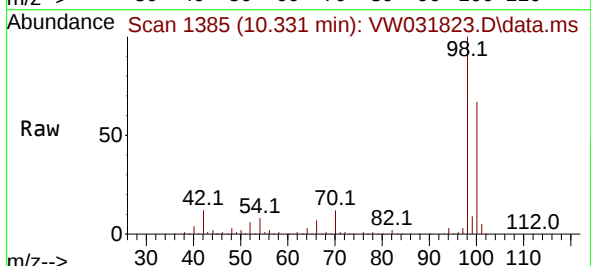
Acq: 11 Jul 2025 16:32

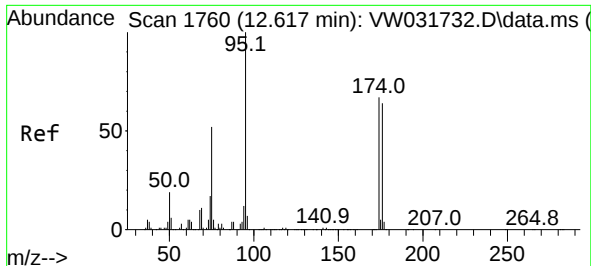
Tgt Ion: 98 Resp: 194107

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4

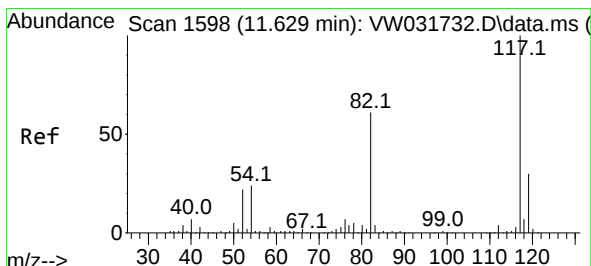
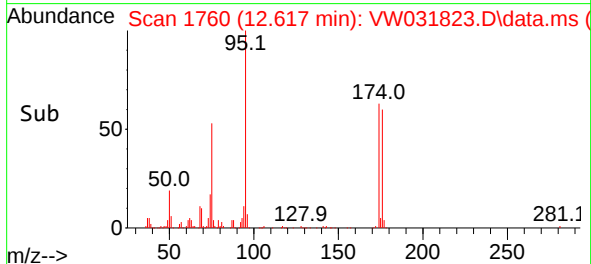
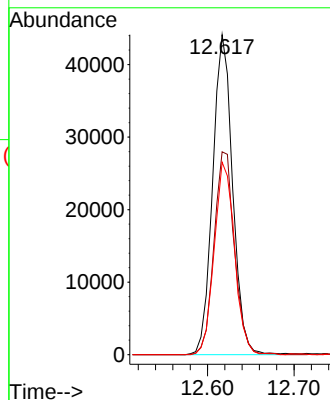
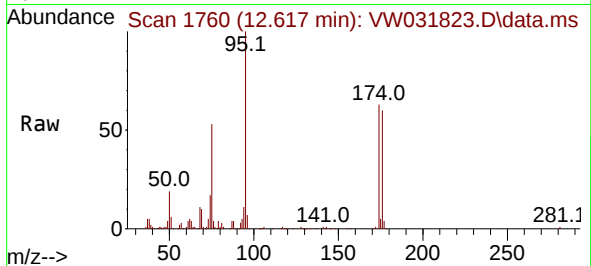




#62
4-Bromofluorobenzene
Concen: 45.074 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031823.D
Acq: 11 Jul 2025 16:32

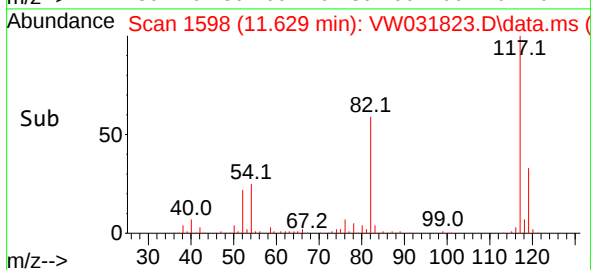
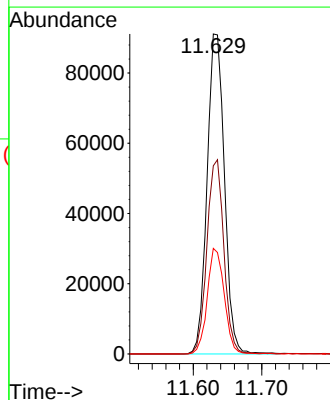
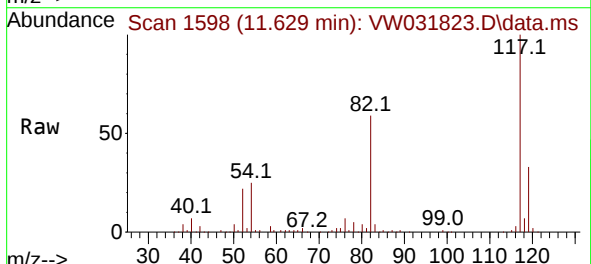
Instrument :
MSVOA_W
ClientSampleId :

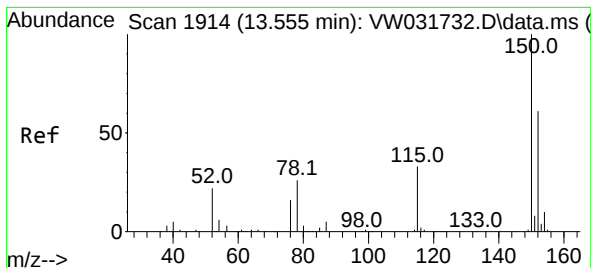
Tgt Ion: 95 Resp: 70474
Ion Ratio Lower Upper
95 100
174 65.2 0.0 133.8
176 61.4 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031823.D
Acq: 11 Jul 2025 16:32

Tgt Ion: 117 Resp: 160898
Ion Ratio Lower Upper
117 100
82 58.8 48.6 72.8
119 33.0 23.9 35.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031823.D

Acq: 11 Jul 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

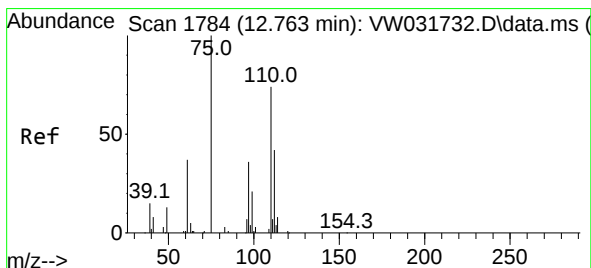
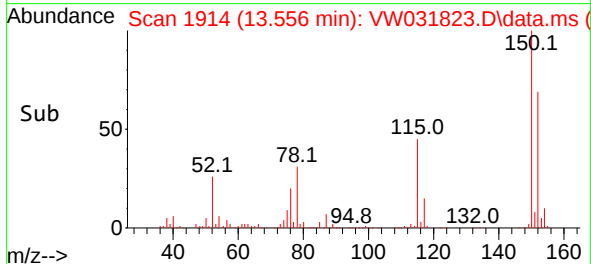
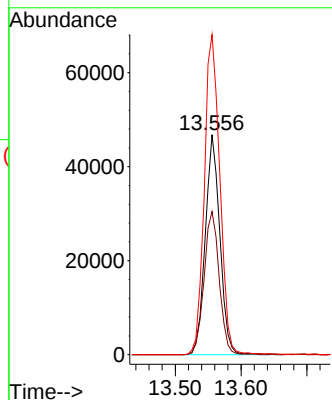
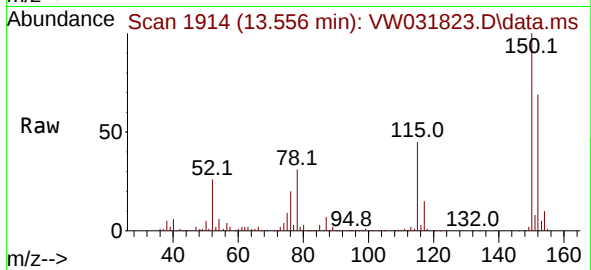
Tgt Ion:152 Resp: 72383

Ion Ratio Lower Upper

152 100

115 67.2 31.9 95.7

150 154.0 0.0 356.4



#76

1,2,3-Trichloropropane

Concen: 40.290 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW031823.D

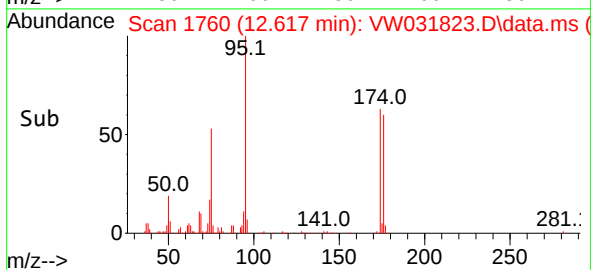
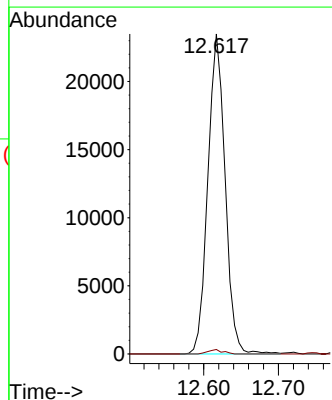
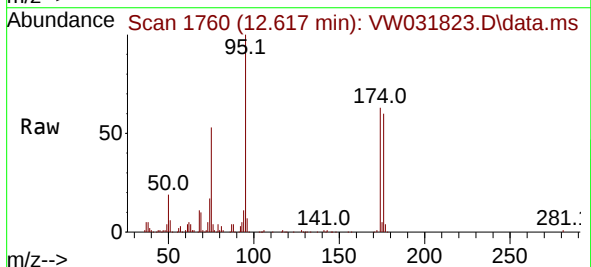
Acq: 11 Jul 2025 16:32

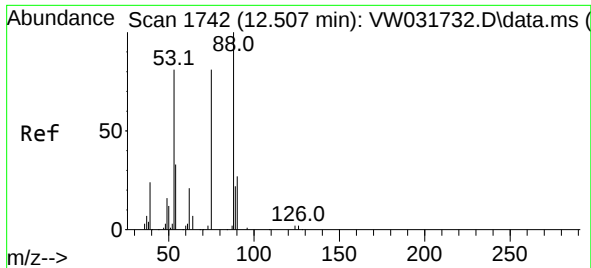
Tgt Ion: 75 Resp: 37687

Ion Ratio Lower Upper

75 100

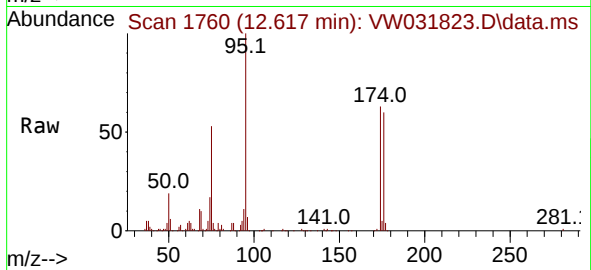
77 1.2 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.842 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031823.D
 Acq: 11 Jul 2025 16:32

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 37687
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.5 125.3#
 89 0.2 38.3 57.5#

