

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032067.D
 Acq On : 11 Aug 2025 15:28
 Operator : SY/MD
 Sample : Q2809-01
 Misc : 5.25g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-08082025

Quant Time: Aug 12 04:26:33 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)

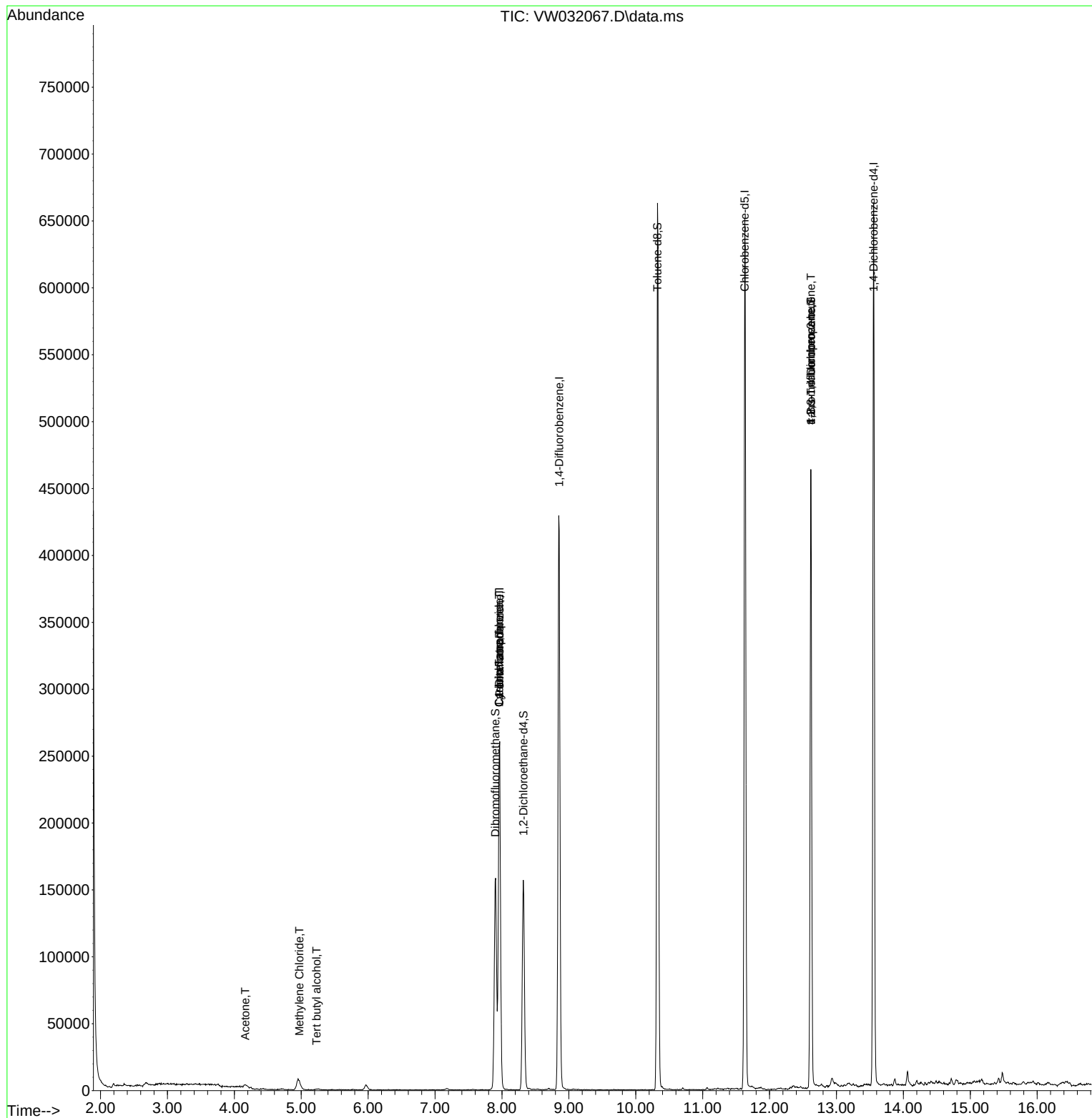
Internal Standards						
1) Pentafluorobenzene	7.965	168	177708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	364172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	161674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131268	51.074	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 102.140%		
35) Dibromofluoromethane	7.898	113	119767	50.906	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.820%		
50) Toluene-d8	10.325	98	437645	50.293	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.580%		
62) 4-Bromofluorobenzene	12.617	95	166986	52.073	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.140%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	312	1.875	ug/l #	88
16) Acetone	4.161	43	2774	4.662	ug/l	97
20) Methylene Chloride	4.972	84	7257	2.638	ug/l #	92
31) Cyclohexane	7.959	56	4372	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16589	5.002	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20525	6.413	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	84663	38.583	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	84663	99.888	ug/l #	9

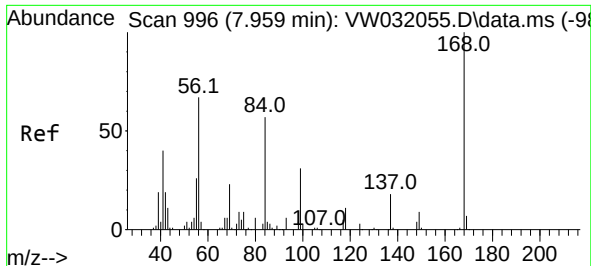
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032067.D
Acq On : 11 Aug 2025 15:28
Operator : SY/MD
Sample : Q2809-01
Misc : 5.25g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

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Quant Time: Aug 12 04:26:33 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

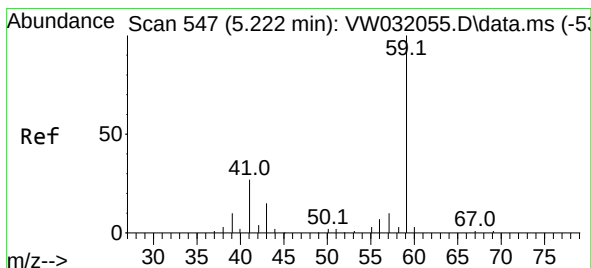
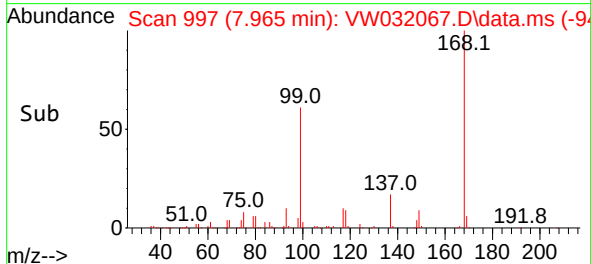
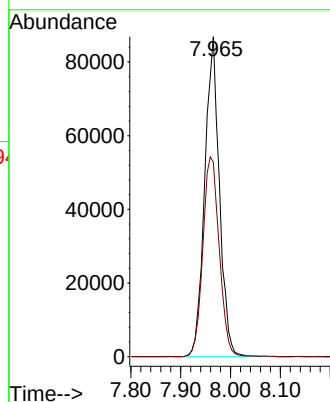
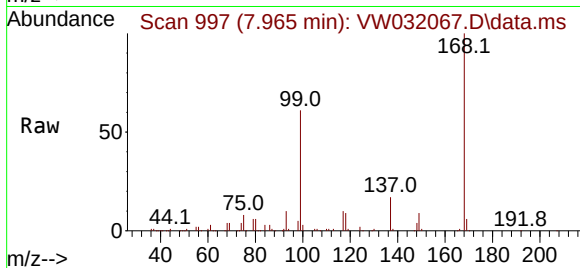




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

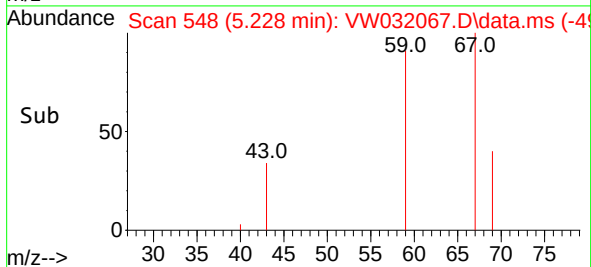
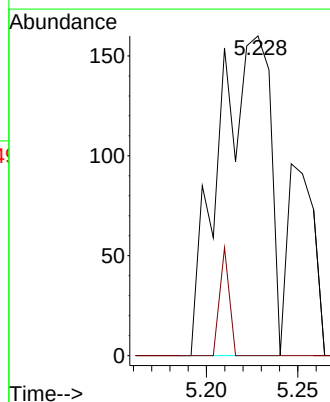
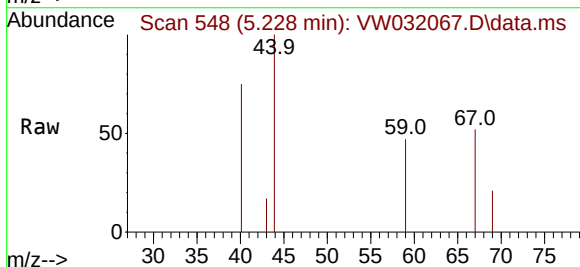
Instrument :
MSVOA_W
ClientSampleId :
OR-03-08082025

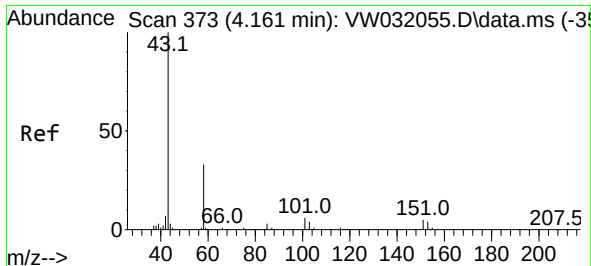
Tgt Ion:168 Resp: 177708
Ion Ratio Lower Upper
168 100
99 60.8 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.875 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 6.4 8.7 13.1#

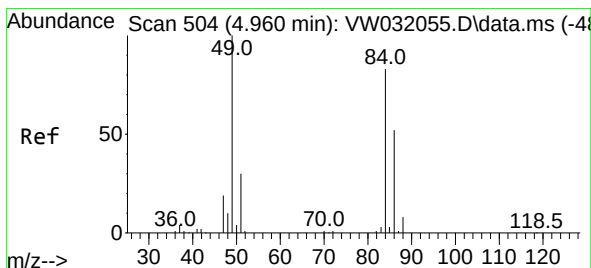
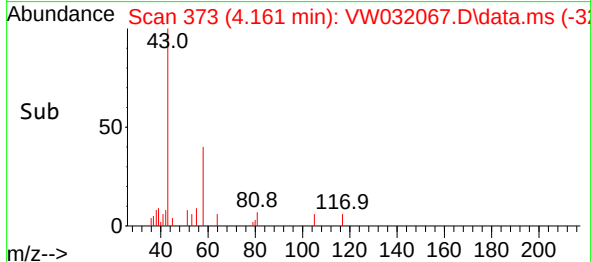
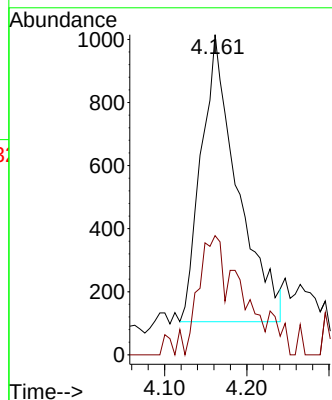
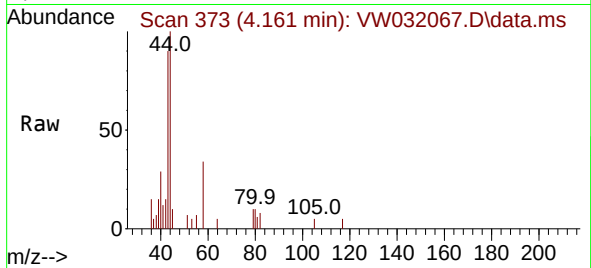




#16
Acetone
Concen: 4.662 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

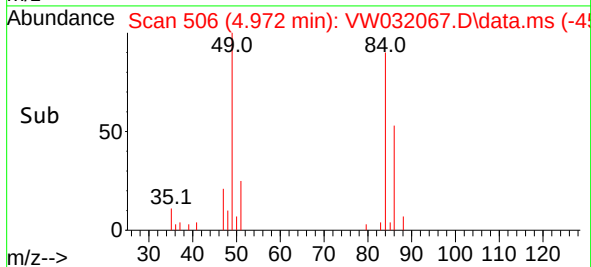
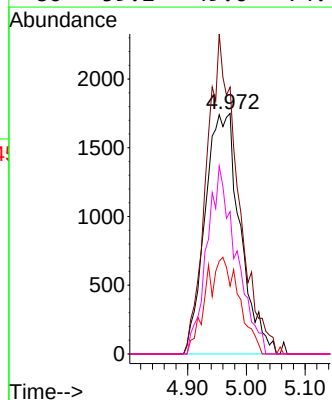
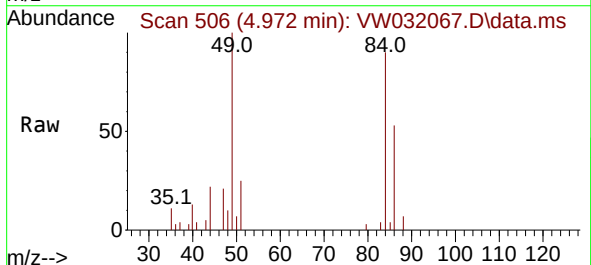
Instrument :
MSVOA_W
ClientSampleId :
OR-03-08082025

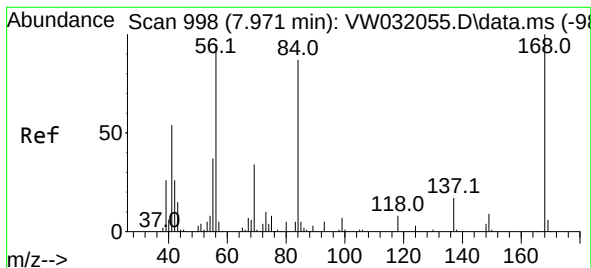
Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
58 35.1 26.6 39.8



#20
Methylene Chloride
Concen: 2.638 ug/l
RT: 4.972 min Scan# 506
Delta R.T. 0.012 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Tgt Ion: 84 Resp: 7257
Ion Ratio Lower Upper
84 100
49 110.9 95.9 143.9
51 28.2 28.6 43.0#
86 59.2 49.6 74.4





#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032067.D

Acq: 11 Aug 2025 15:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-08082025

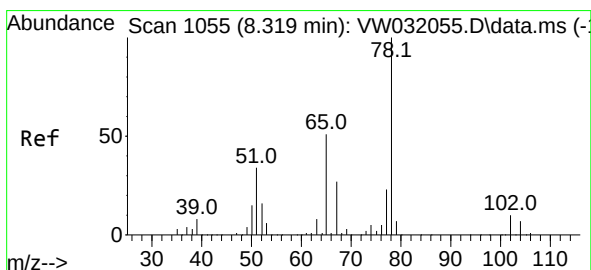
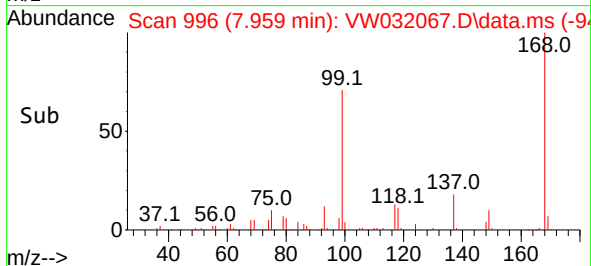
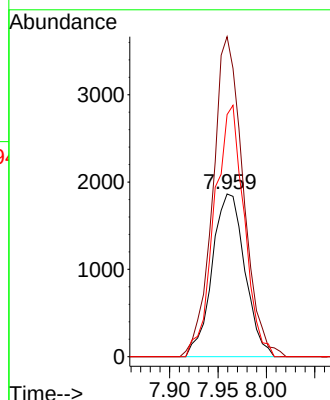
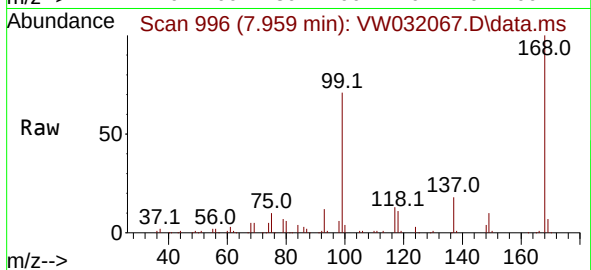
Tgt Ion: 56 Resp: 4372

Ion Ratio Lower Upper

56 100

69 196.7 28.6 42.8#

84 148.8 73.0 109.4#



#33

1,2-Dichloroethane-d4

Concen: 51.074 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032067.D

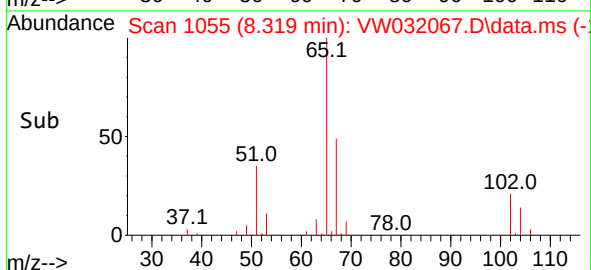
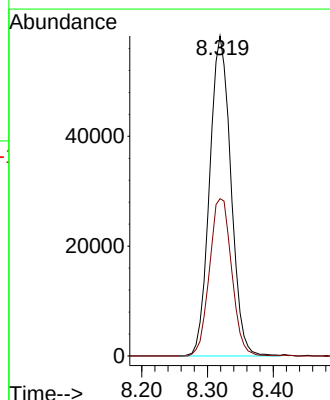
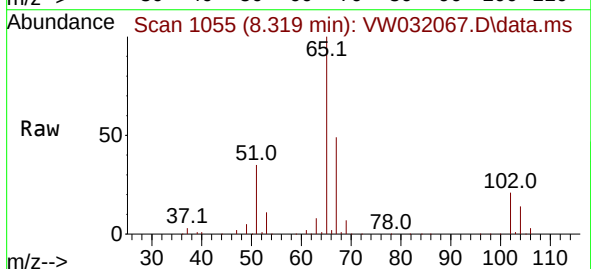
Acq: 11 Aug 2025 15:28

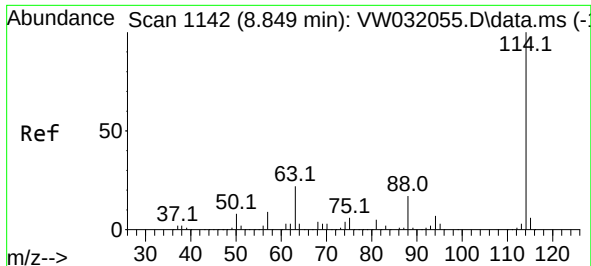
Tgt Ion: 65 Resp: 131268

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032067.D

Acq: 11 Aug 2025 15:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-08082025

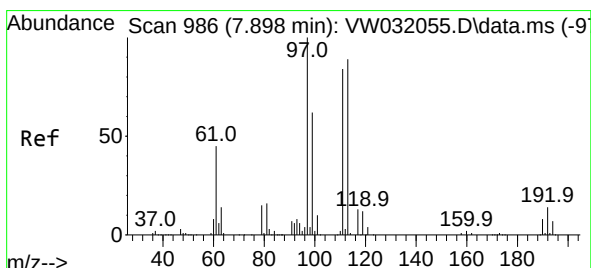
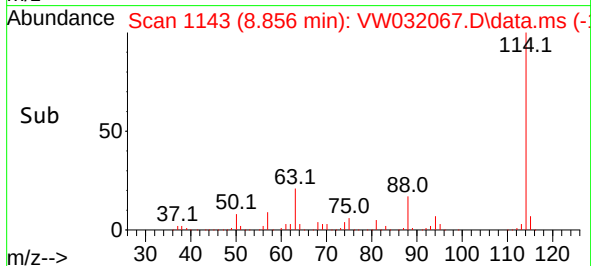
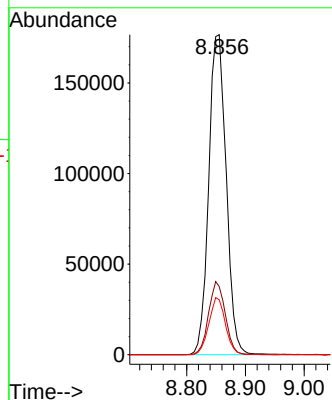
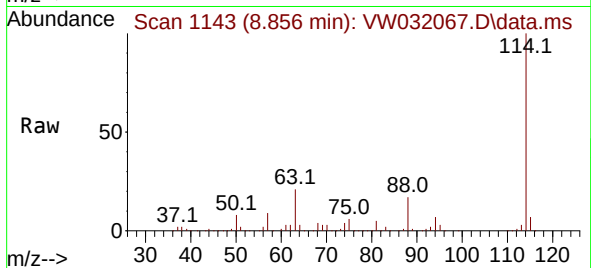
Tgt Ion:114 Resp: 364172

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 17.1 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.906 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032067.D

Acq: 11 Aug 2025 15:28

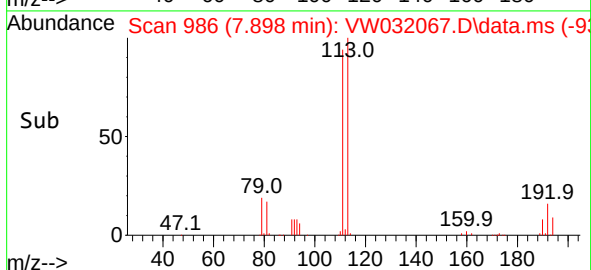
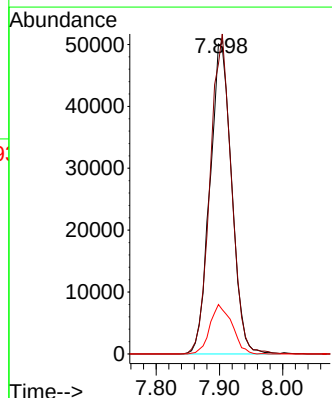
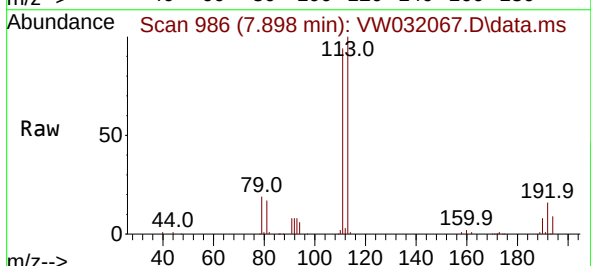
Tgt Ion:113 Resp: 119767

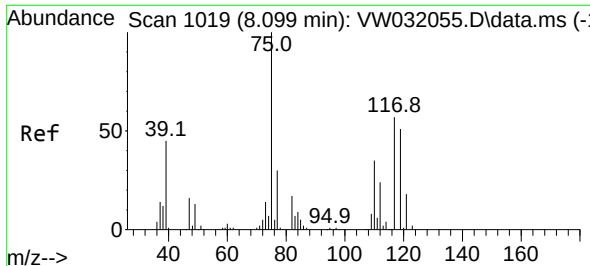
Ion Ratio Lower Upper

113 100

111 101.2 80.1 120.1

192 16.2 13.1 19.7

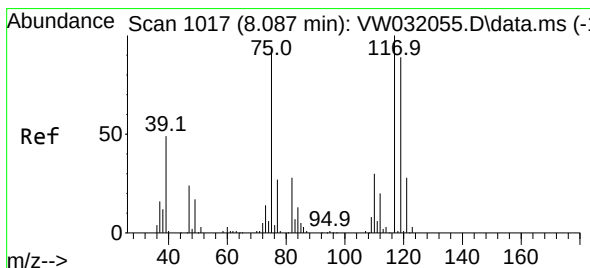
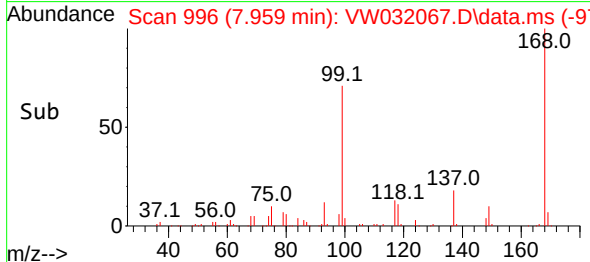
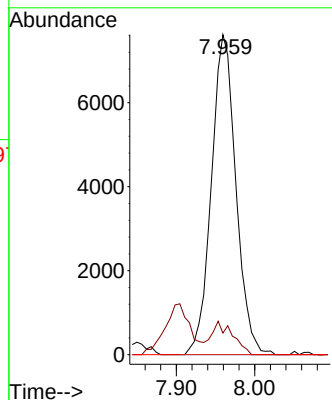
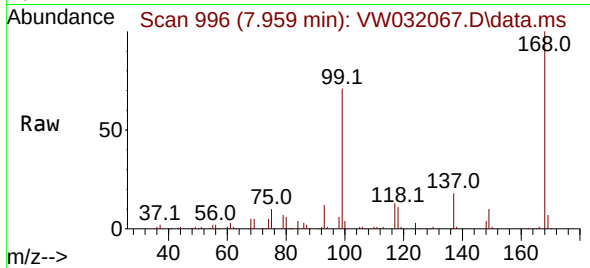




#36
 1,1-Dichloropropene
 Concen: 5.002 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032067.D
 Acq: 11 Aug 2025 15:28

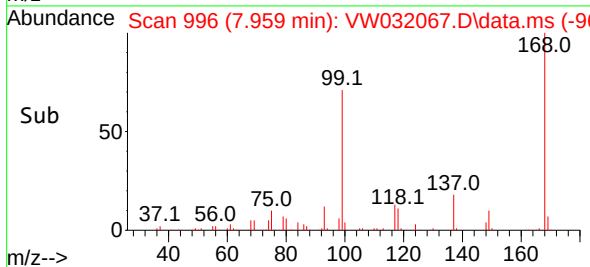
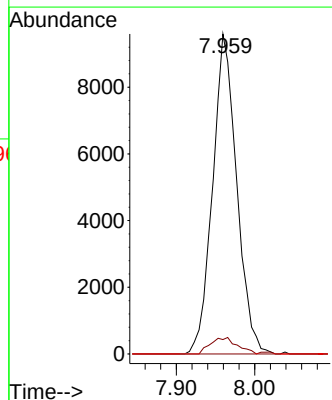
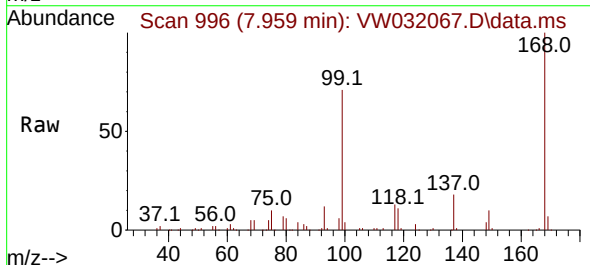
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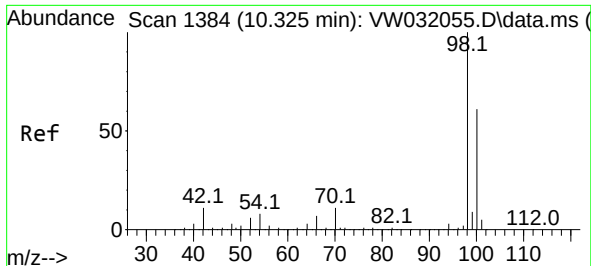
Tgt Ion: 75 Resp: 16589
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.4 52.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.413 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032067.D
 Acq: 11 Aug 2025 15:28

Tgt Ion: 117 Resp: 20525
 Ion Ratio Lower Upper
 117 100
 119 4.5 71.4 107.2#
 121 0.0 22.3 33.5#

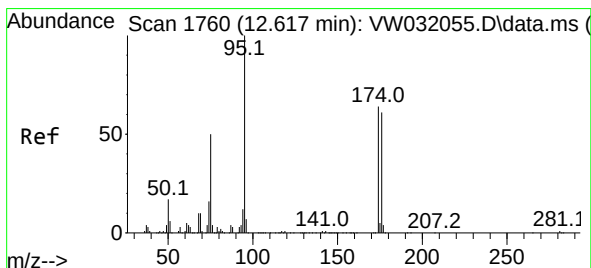
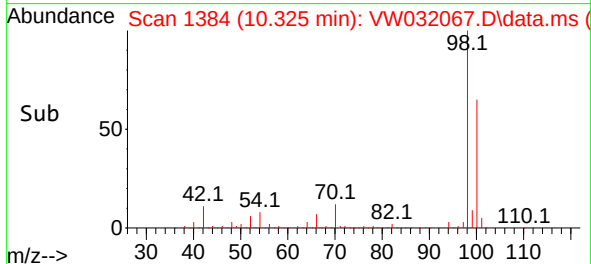
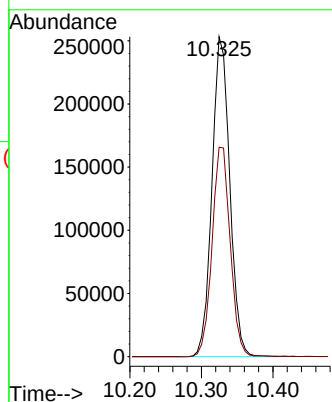
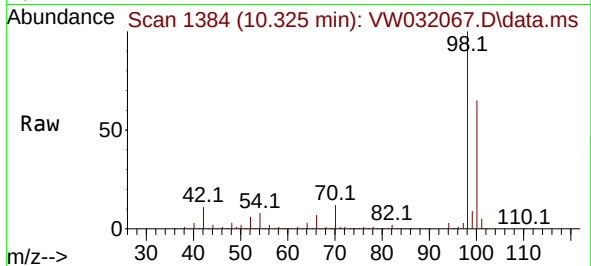




#50
Toluene-d8
Concen: 50.293 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

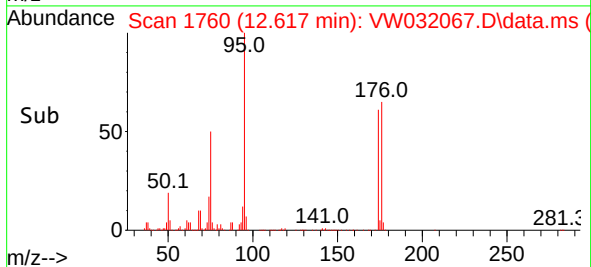
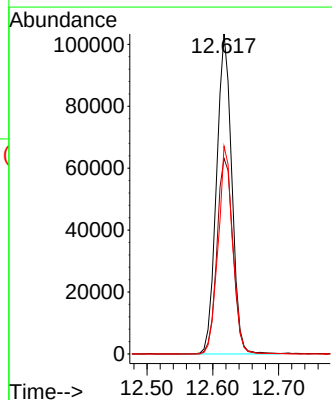
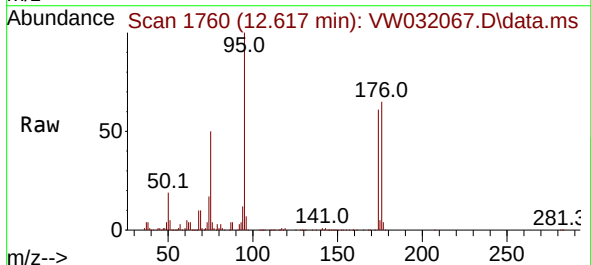
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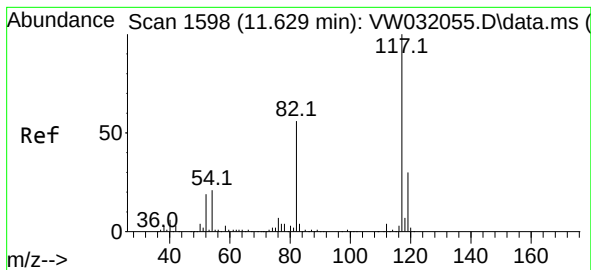
Tgt Ion: 98 Resp: 437645
Ion Ratio Lower Upper
98 100
100 66.8 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.073 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Tgt Ion: 95 Resp: 166986
Ion Ratio Lower Upper
95 100
174 64.1 0.0 129.0
176 61.9 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032067.D

Acq: 11 Aug 2025 15:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-08082025

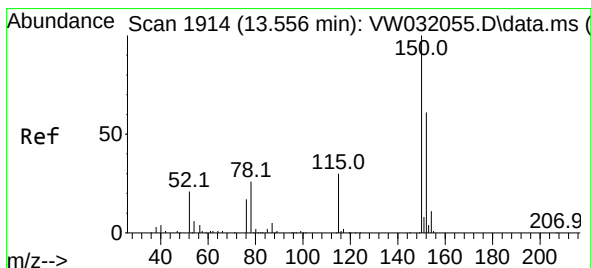
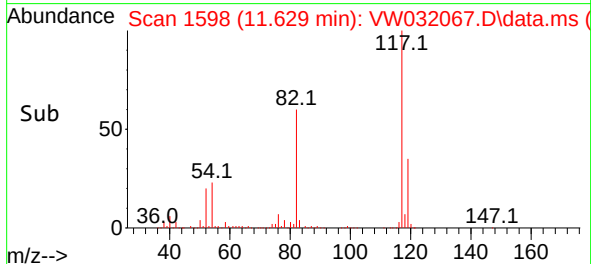
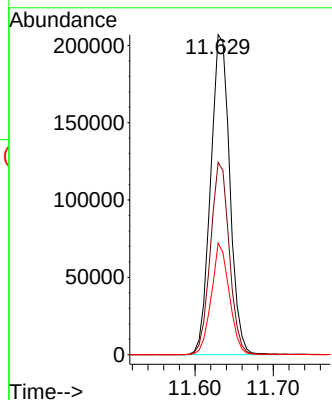
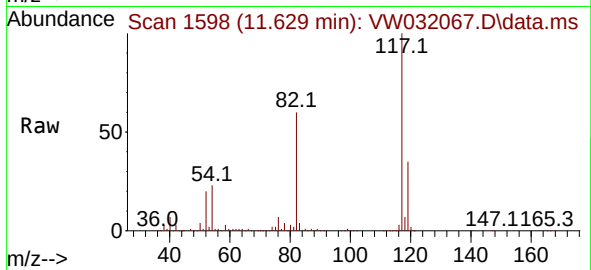
Tgt Ion:117 Resp: 352106

Ion Ratio Lower Upper

117 100

82 60.0 45.0 67.4

119 34.8 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: VW032067.D

Acq: 11 Aug 2025 15:28

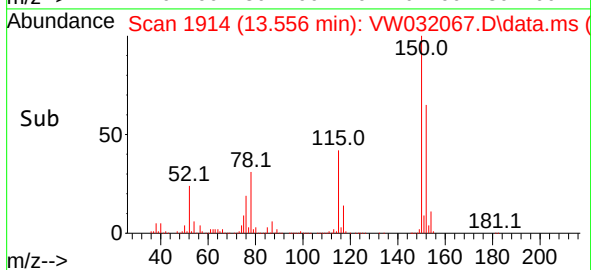
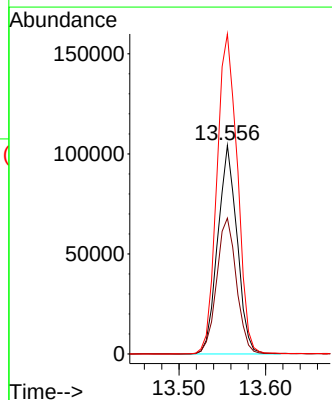
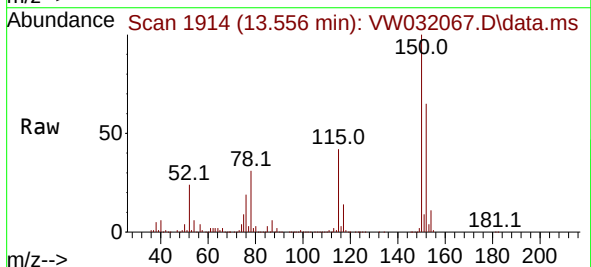
Tgt Ion:152 Resp: 161674

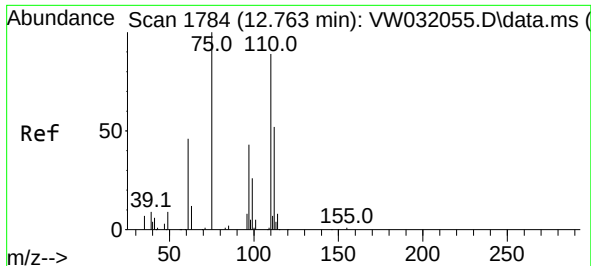
Ion Ratio Lower Upper

152 100

115 67.0 32.6 97.8

150 162.5 0.0 359.4

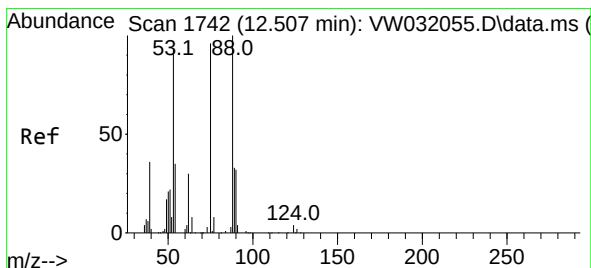
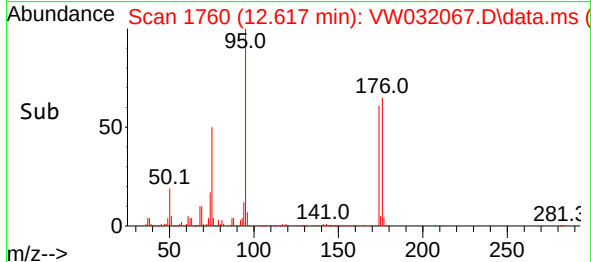
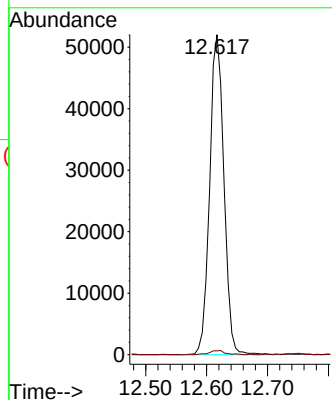
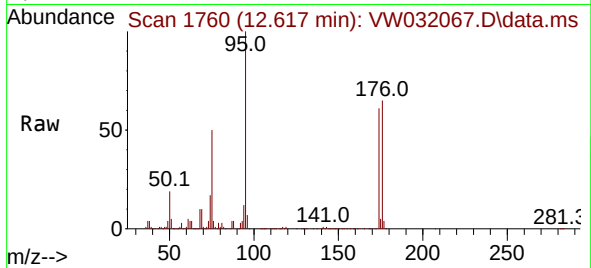




#76
1,2,3-Trichloropropane
Concen: 38.583 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Instrument :
MSVOA_W
ClientSampleId :
OR-03-08082025

Tgt Ion: 75 Resp: 84663
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.888 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Tgt Ion: 75 Resp: 84663
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.6#
89 0.0 37.3 55.9#

