

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032634.D
 Acq On : 11 Dec 2025 15:43
 Operator : SY/MD
 Sample : Q3826-09
 Misc : 4.68g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

Quant Time: Dec 12 00:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

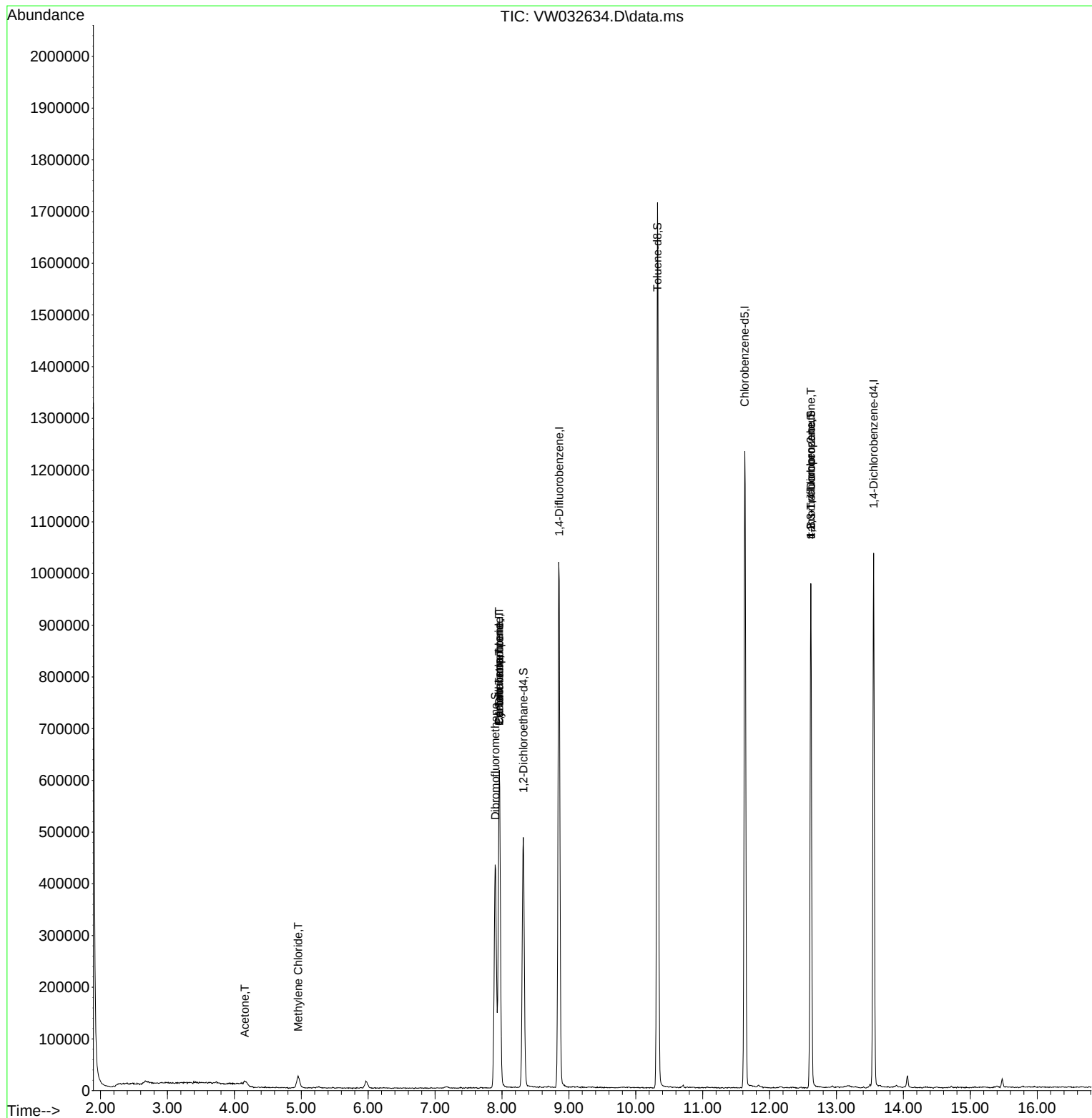
Internal Standards						
1) Pentafluorobenzene	7.959	168	411770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	830597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	651895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	247338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	392254	59.861	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.720%		
35) Dibromofluoromethane	7.898	113	322009	54.106	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.220%		
50) Toluene-d8	10.325	98	1088845	51.081	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 102.160%		
62) 4-Bromofluorobenzene	12.617	95	335208	42.832	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 85.660%		
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	9289	4.306	ug/l	94
20) Methylene Chloride	4.954	84	18664	2.834	ug/l	96
31) Cyclohexane	7.959	56	11226	1.132	ug/l #	17
36) 1,1-Dichloropropene	7.959	75	39324	4.599	ug/l #	51
38) Carbon Tetrachloride	7.959	117	46032	5.820	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.800	63	131	Below Cal		90
76) 1,2,3-Trichloropropane	12.617	75	174295	52.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	174295	103.312	ug/l #	7
95) Naphthalene	15.360	128	859	Below Cal	#	90

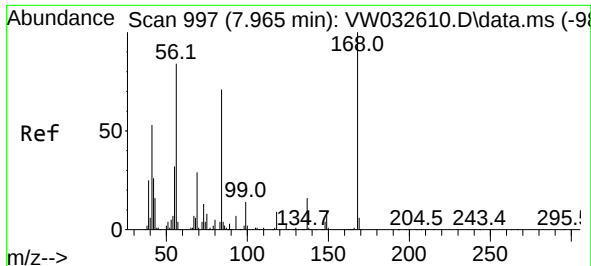
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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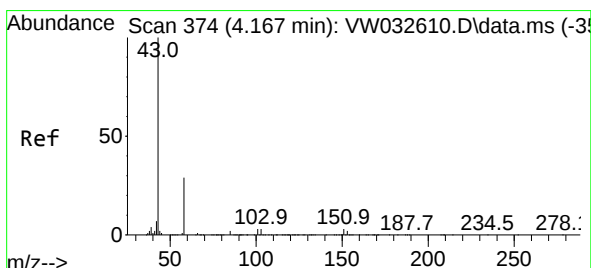
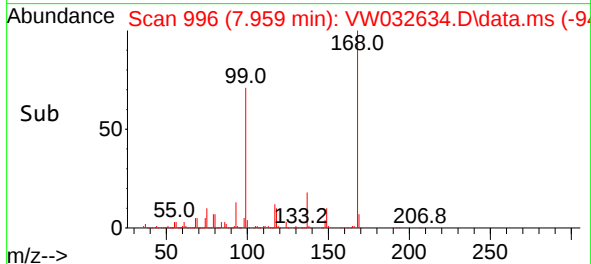
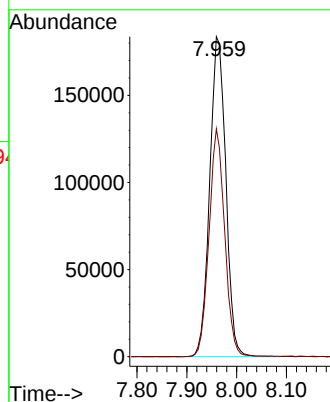
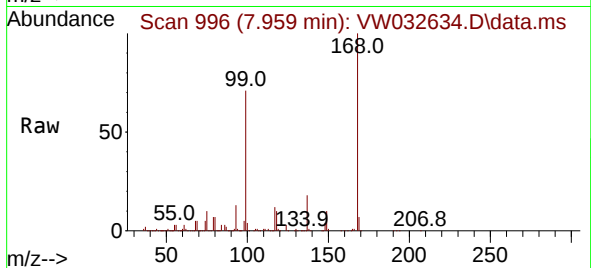




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

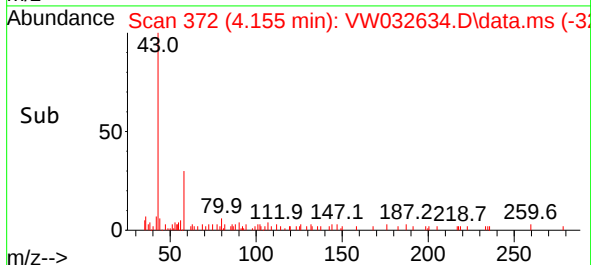
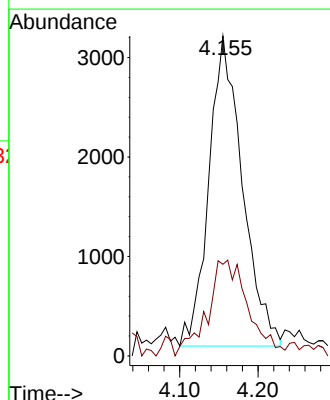
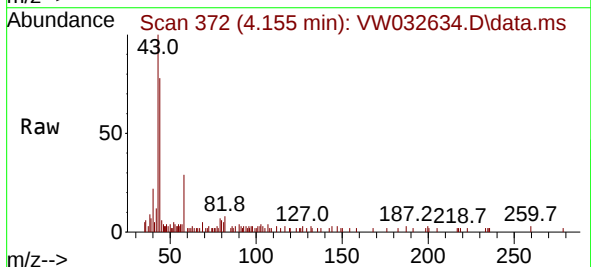
Instrument :
MSVOA_W
ClientSampleId :
TP-1

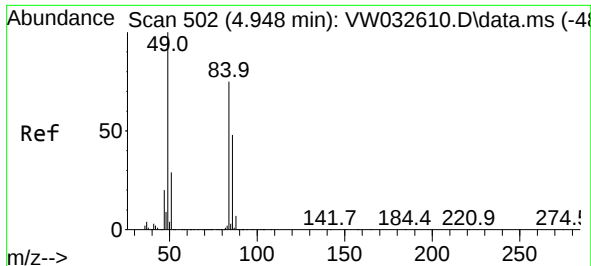
Tgt Ion:168 Resp: 411770
Ion Ratio Lower Upper
168 100
99 71.2 47.8 71.8



#16
Acetone
Concen: 4.306 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
58 26.6 23.9 35.9



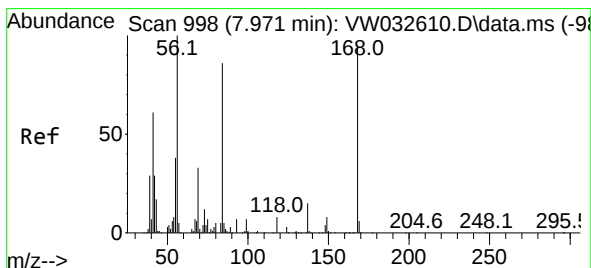
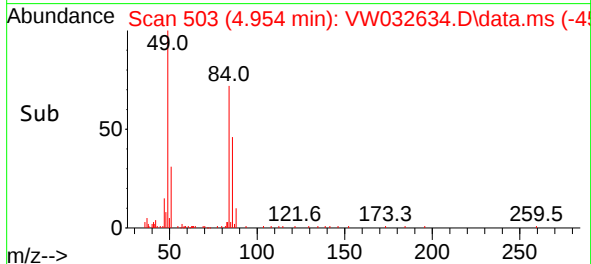
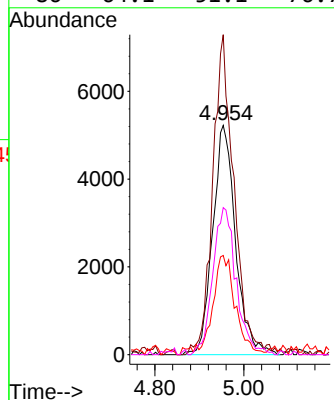
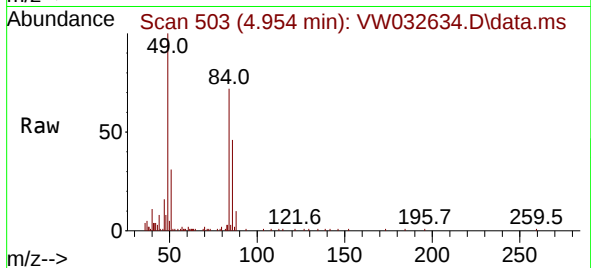


#20
Methylene Chloride
Concen: 2.834 ug/l
RT: 4.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Tgt Ion: 84 Resp: 18664

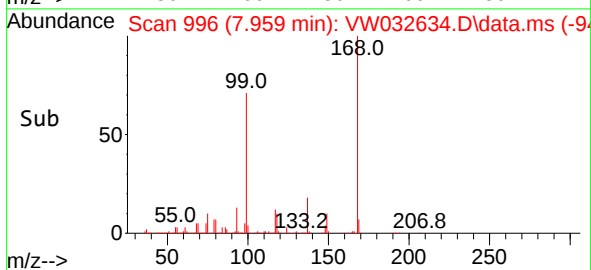
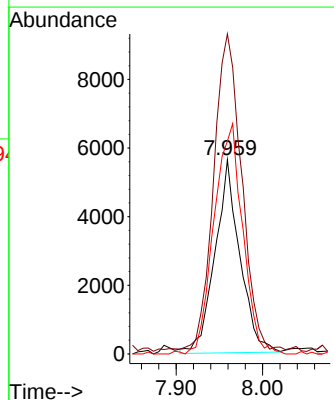
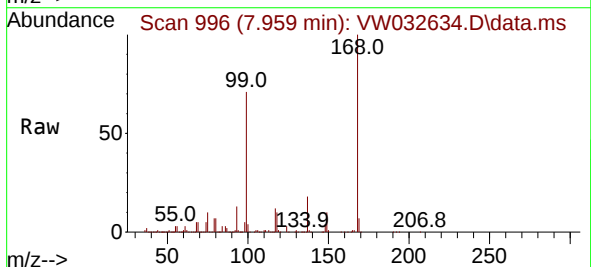
Ion	Ratio	Lower	Upper
84	100		
49	139.5	106.9	160.3
51	43.2	31.4	47.2
86	64.1	51.1	76.7

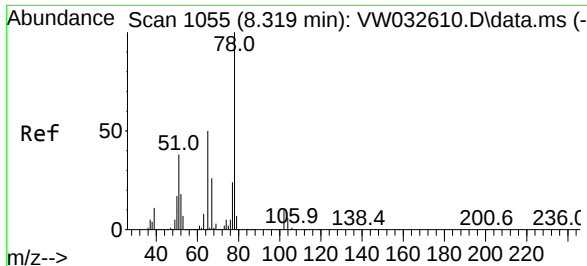


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion: 56 Resp: 11226

Ion	Ratio	Lower	Upper
56	100		
69	164.4	26.2	39.2#
84	110.0	68.9	103.3#

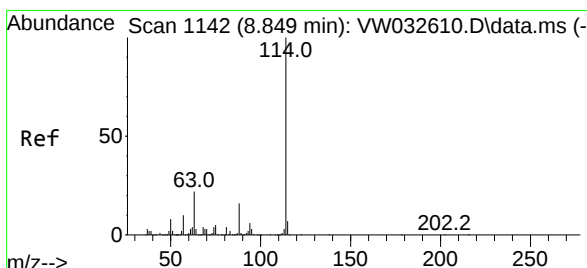
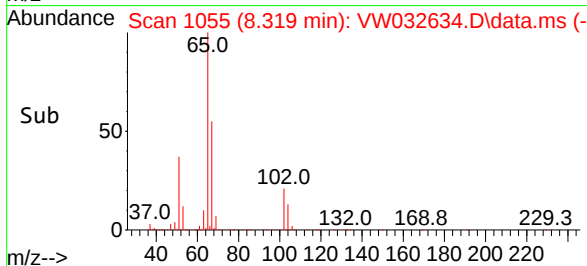
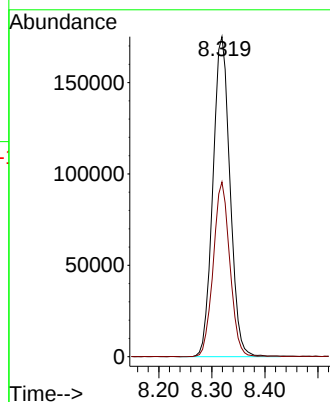
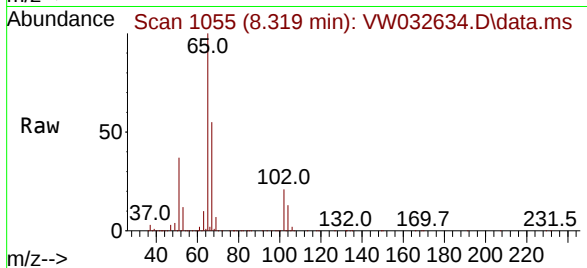




#33
 1,2-Dichloroethane-d4
 Concen: 59.861 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032634.D
 Acq: 11 Dec 2025 15:43

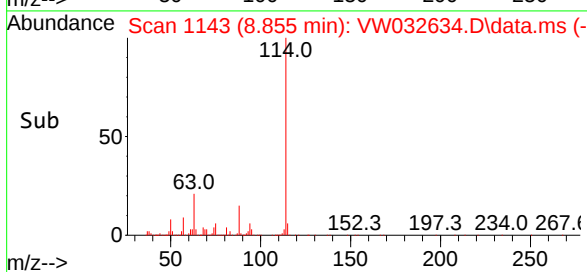
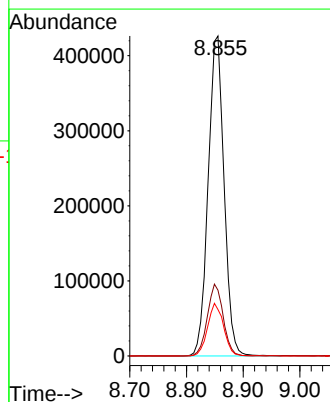
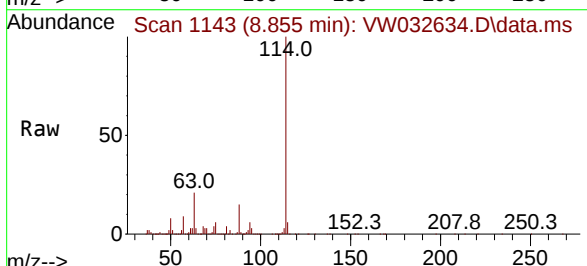
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

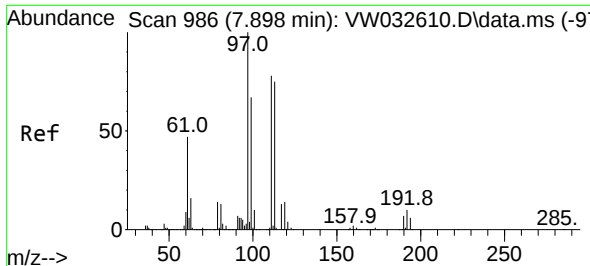
Tgt Ion: 65 Resp: 392254
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032634.D
 Acq: 11 Dec 2025 15:43

Tgt Ion: 114 Resp: 830597
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 44.6
 88 14.5 0.0 31.8

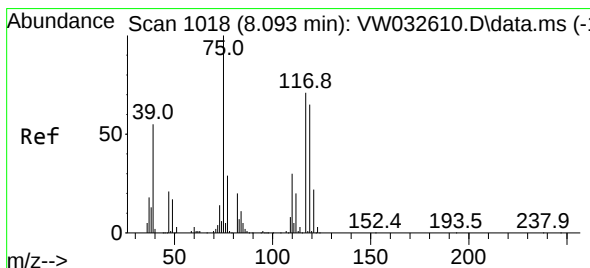
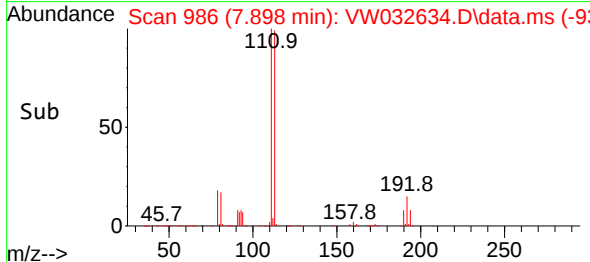
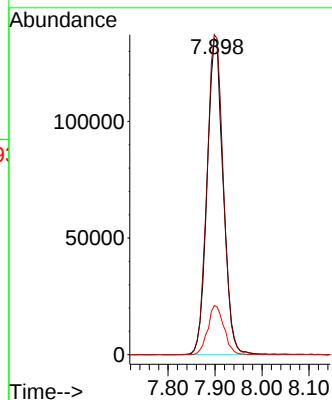
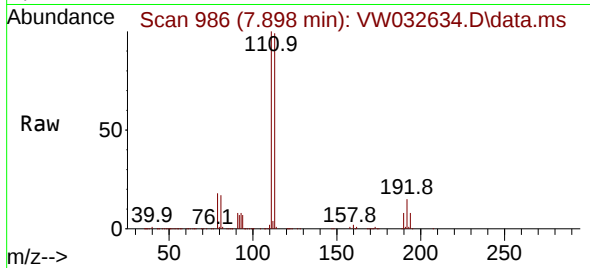




#35
Dibromofluoromethane
Concen: 54.106 ug/l
RT: 7.898 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

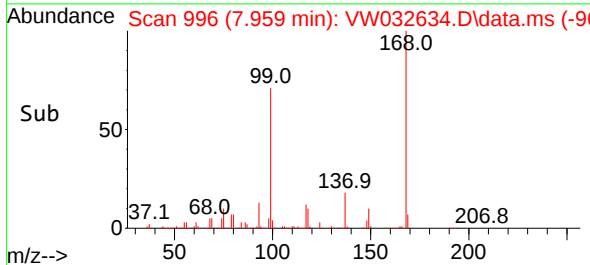
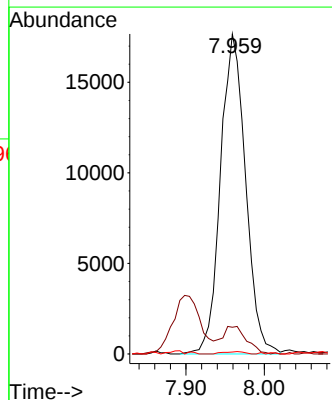
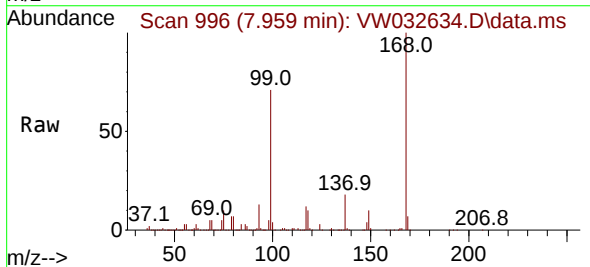
Instrument :
MSVOA_W
ClientSampleId :
TP-1

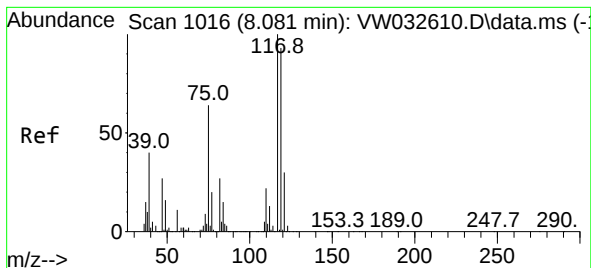
Tgt Ion:113 Resp: 322009
Ion Ratio Lower Upper
113 100
111 102.7 85.2 127.8
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion: 75 Resp: 39324
Ion Ratio Lower Upper
75 100
110 8.6 16.3 48.9#
77 0.6 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.820 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032634.D

Acq: 11 Dec 2025 15:43

Instrument :

MSVOA_W

ClientSampleId :

TP-1

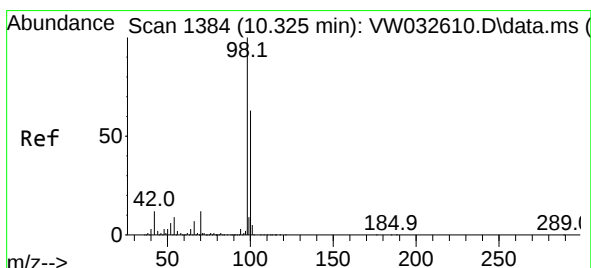
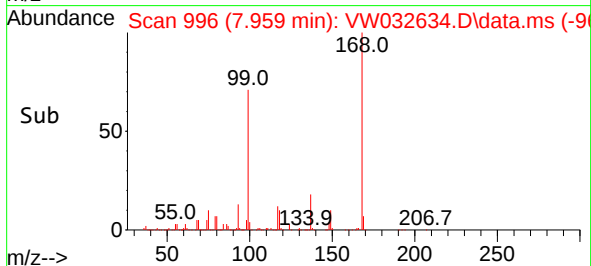
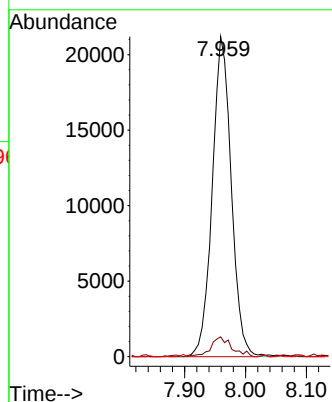
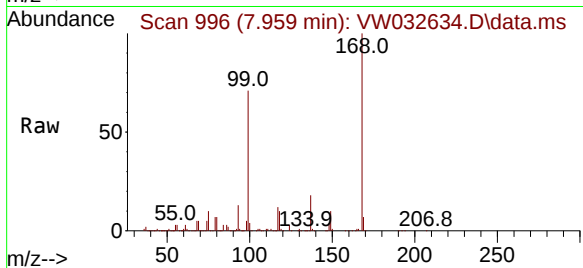
Tgt Ion:117 Resp: 46032

Ion Ratio Lower Upper

117 100

119 5.9 74.3 111.5#

121 0.0 23.6 35.4#



#50

Toluene-d8

Concen: 51.081 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032634.D

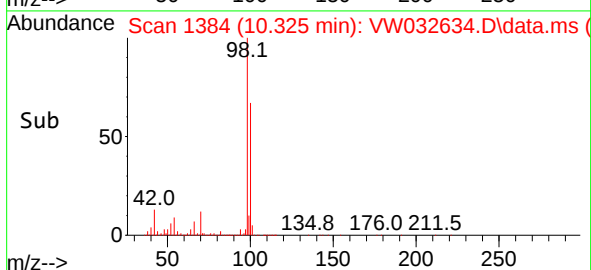
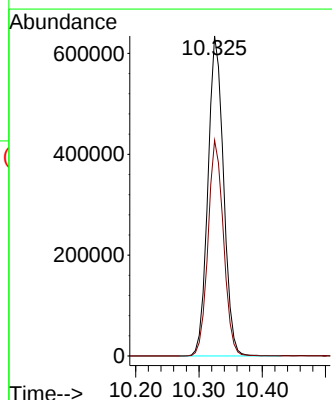
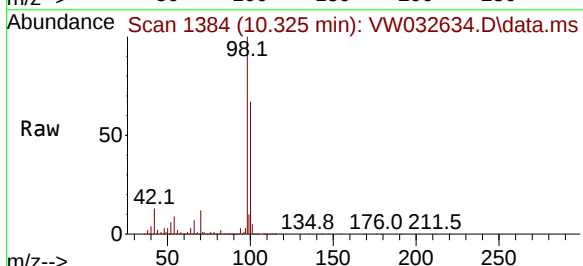
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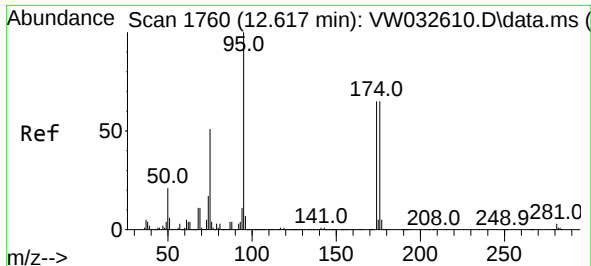
Tgt Ion: 98 Resp: 1088845

Ion Ratio Lower Upper

98 100

100 66.8 52.2 78.2

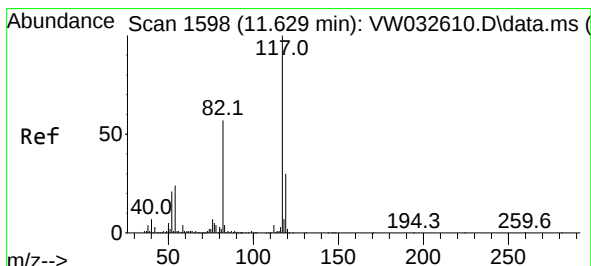
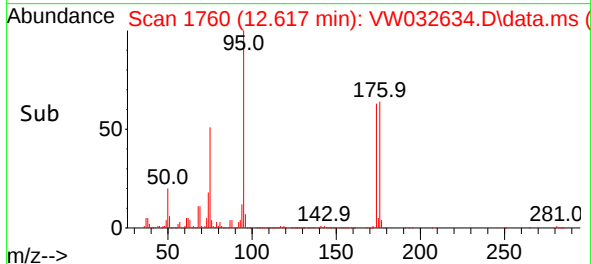
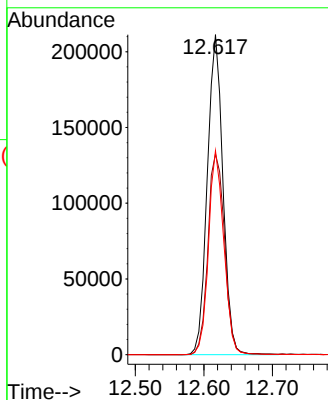
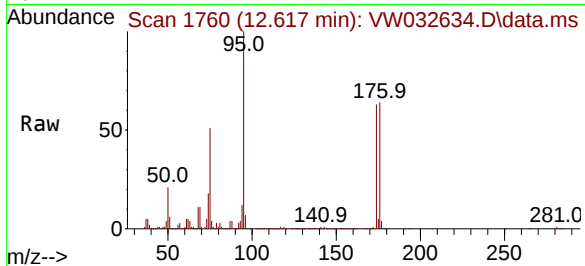




#62
4-Bromofluorobenzene
Concen: 42.832 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

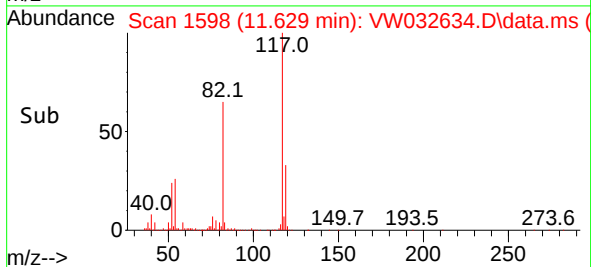
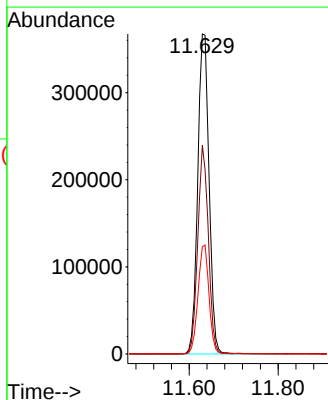
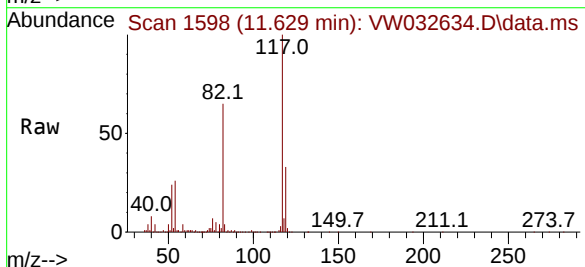
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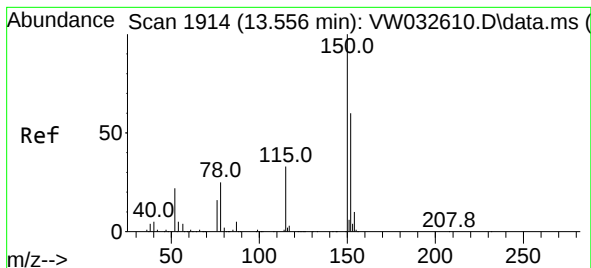
Tgt Ion: 95 Resp: 335208
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.0
176 62.4 0.0 123.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion: 117 Resp: 651895
Ion Ratio Lower Upper
117 100
82 65.2 45.5 68.3
119 33.4 23.8 35.8

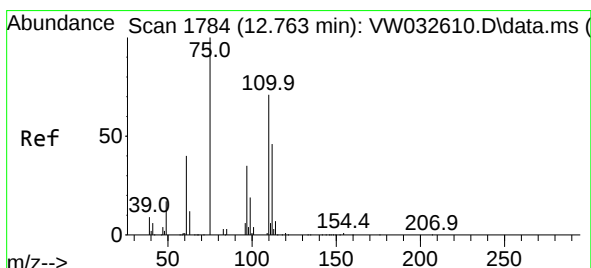
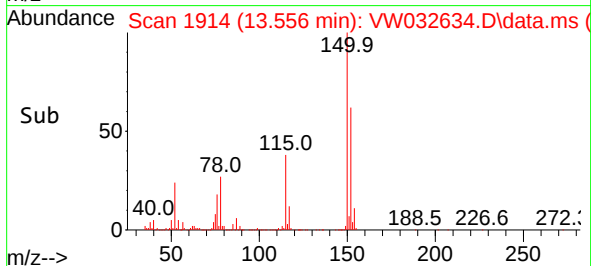
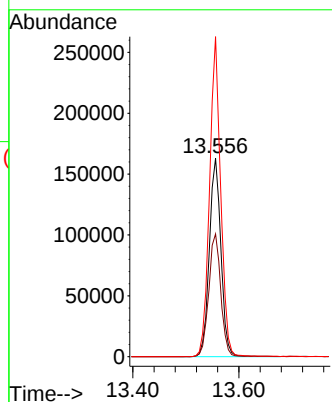
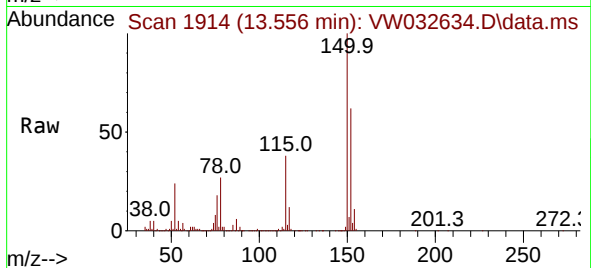




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032634.D
 Acq: 11 Dec 2025 15:43

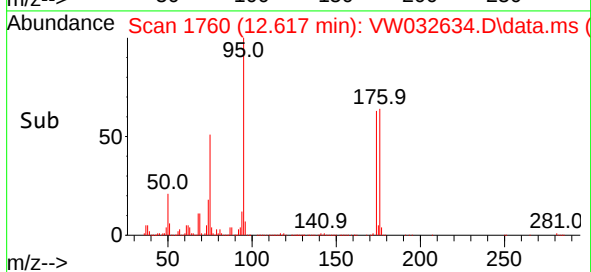
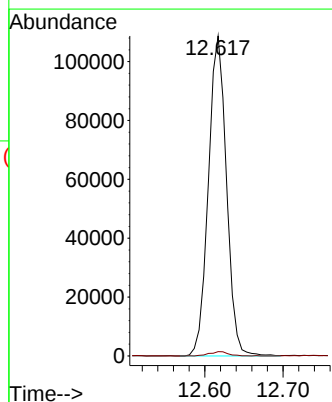
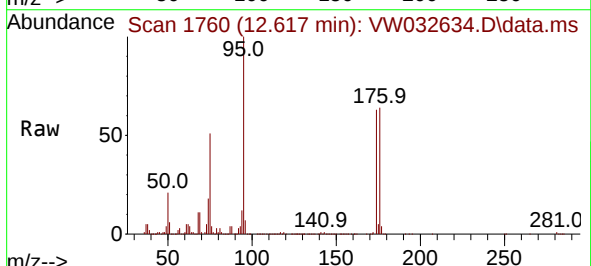
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

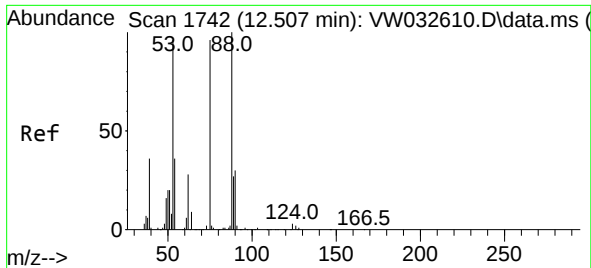
Tgt Ion:152 Resp: 247338
 Ion Ratio Lower Upper
 152 100
 115 64.2 33.8 101.3
 150 154.6 0.0 369.4



#76
 1,2,3-Trichloropropane
 Concen: 52.514 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032634.D
 Acq: 11 Dec 2025 15:43

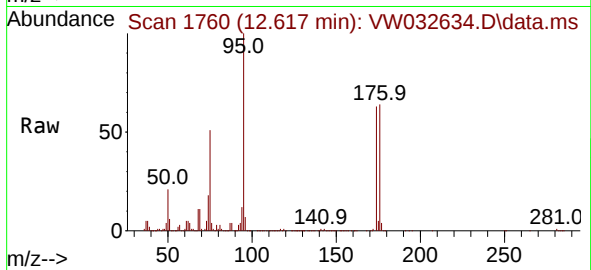
Tgt Ion: 75 Resp: 174295
 Ion Ratio Lower Upper
 75 100
 77 1.4 154.0 462.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.312 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032634.D
 Acq: 11 Dec 2025 15:43

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1



Tgt Ion: 75 Resp: 174295
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.1 129.1#
 89 0.0 37.4 56.2#

