

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073025\
 Data File : VW031956.D
 Acq On : 30 Jul 2025 11:35
 Operator : SY/MD
 Sample : VW0730SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBL01

Quant Time: Jul 31 02:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

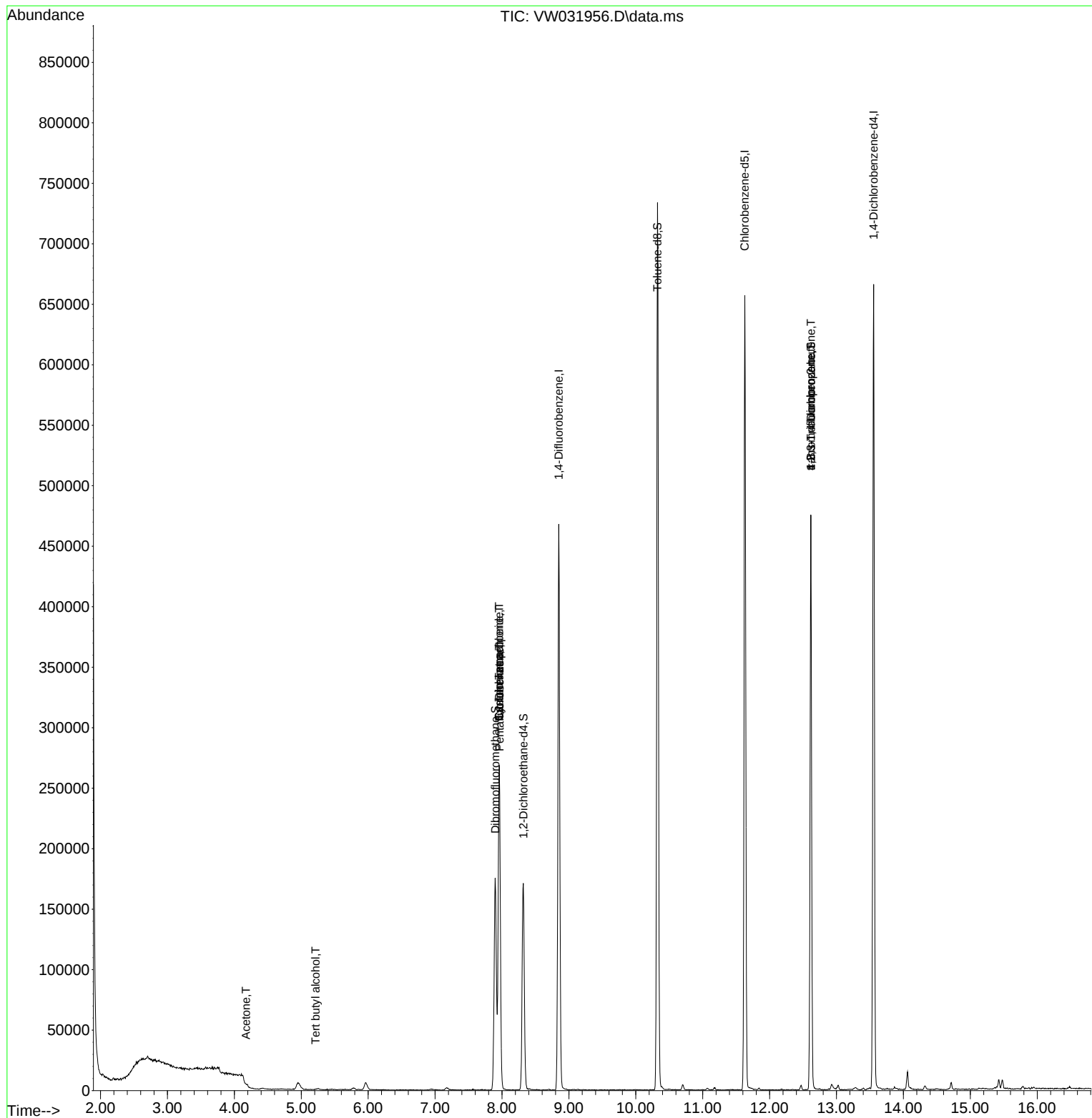
Internal Standards						
1) Pentafluorobenzene	7.965	168	186606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	377186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	353594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145120	51.409	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 102.820%		
35) Dibromofluoromethane	7.898	113	128231	50.031	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.060%		
50) Toluene-d8	10.325	98	486555	50.159	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.320%		
62) 4-Bromofluorobenzene	12.617	95	165168	44.344	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 88.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	184	1.109	ug/l #	72
13) Acrolein	3.942	56	44	Below Cal	#	14
16) Acetone	4.173	43	3597	5.370	ug/l #	82
20) Methylene Chloride	4.960	84	5095	Below Cal	#	85
31) Cyclohexane	7.959	56	4375	1.011	ug/l #	19
36) 1,1-Dichloropropene	7.959	75	16893	4.292	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20827	5.513	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	85560	36.792	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	85560	84.943	ug/l #	8

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

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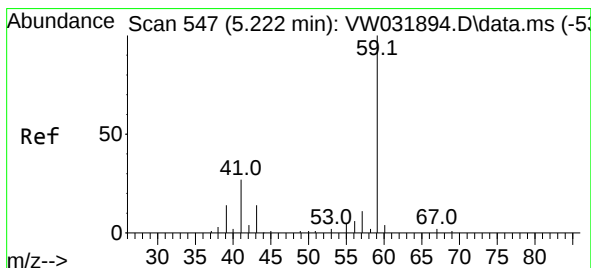
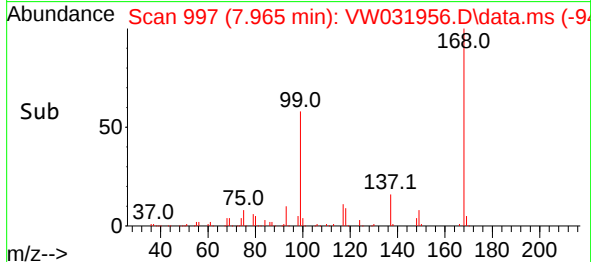
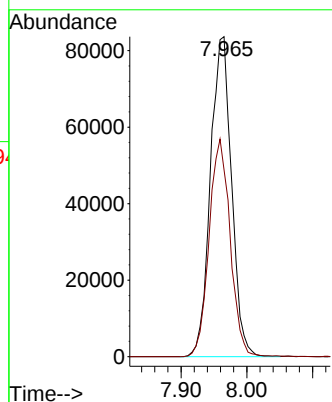
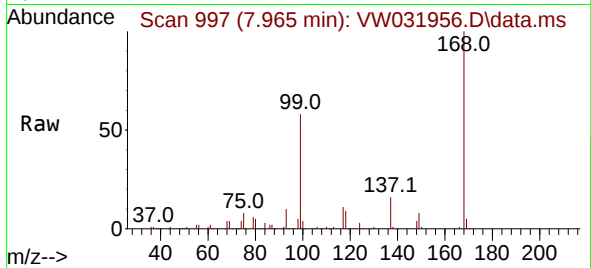




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

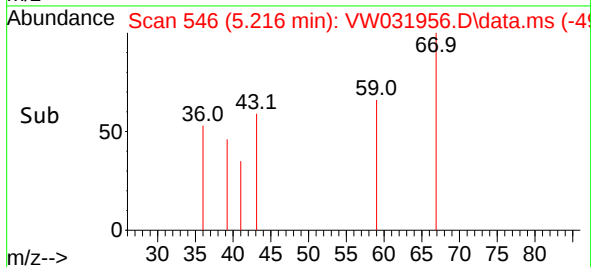
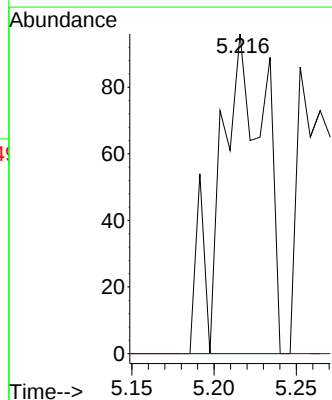
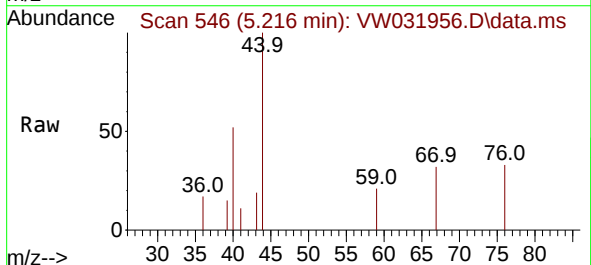
Instrument :
MSVOA_W
ClientSampleId :
VW0730SBL01

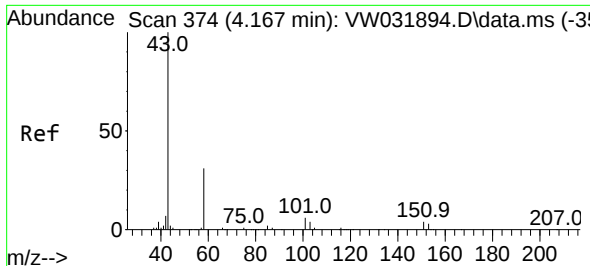
Tgt Ion:168 Resp: 186606
Ion Ratio Lower Upper
168 100
99 58.4 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.109 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

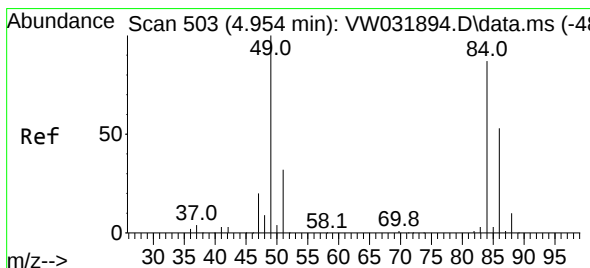
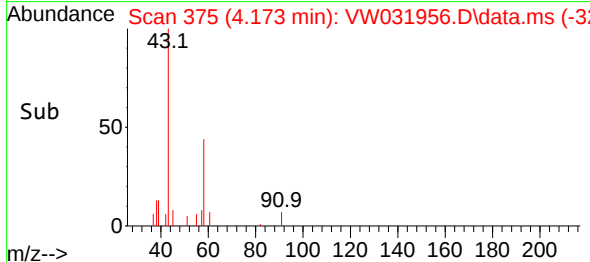
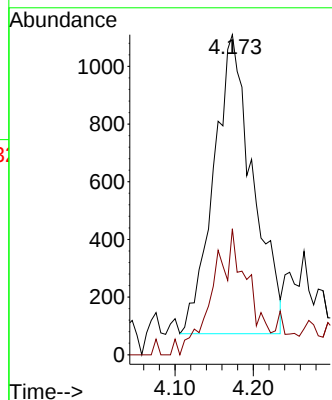
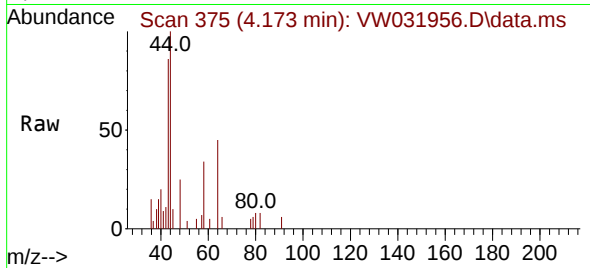




#16
 Acetone
 Concen: 5.370 ug/l
 RT: 4.173 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VW031956.D
 Acq: 30 Jul 2025 11:35

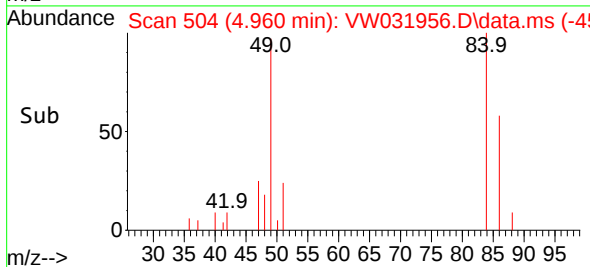
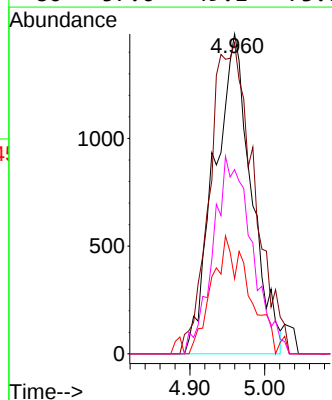
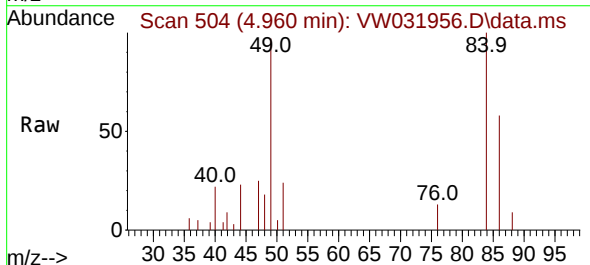
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBL01

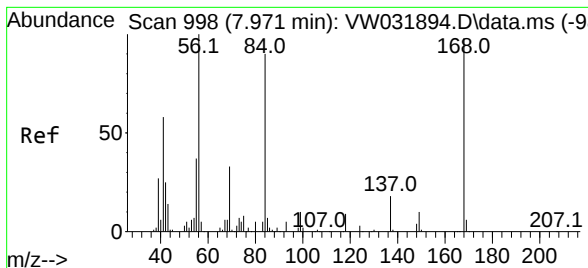
Tgt Ion: 43 Resp: 3597
 Ion Ratio Lower Upper
 43 100
 58 42.1 25.5 38.3#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.960 min Scan# 504
 Delta R.T. 0.006 min
 Lab File: VW031956.D
 Acq: 30 Jul 2025 11:35

Tgt Ion: 84 Resp: 5095
 Ion Ratio Lower Upper
 84 100
 49 97.2 91.9 137.9
 51 19.9 29.0 43.6#
 86 57.6 49.1 73.7

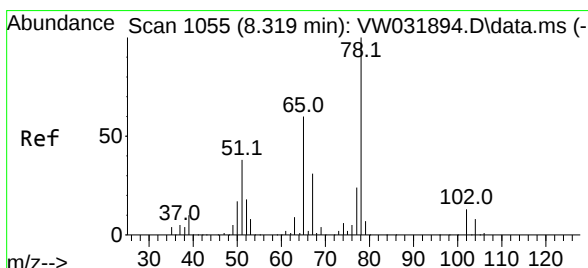
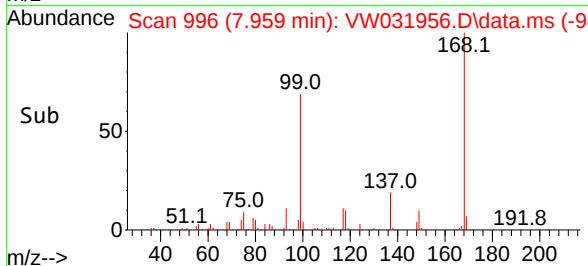
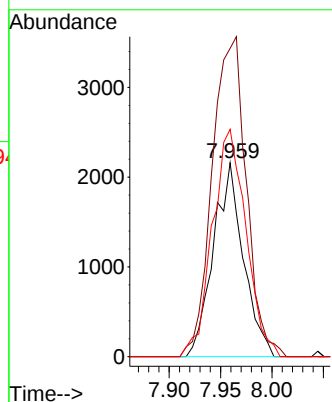
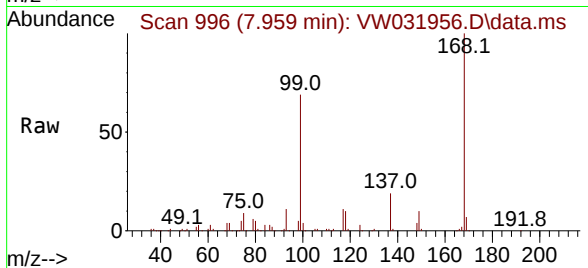




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

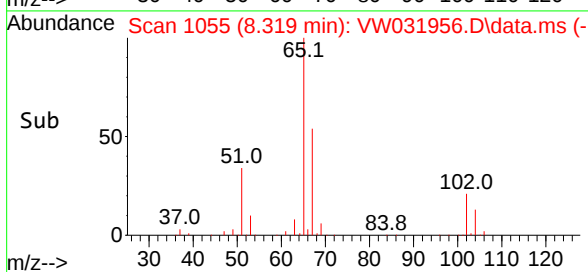
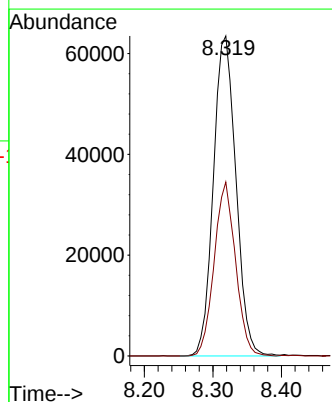
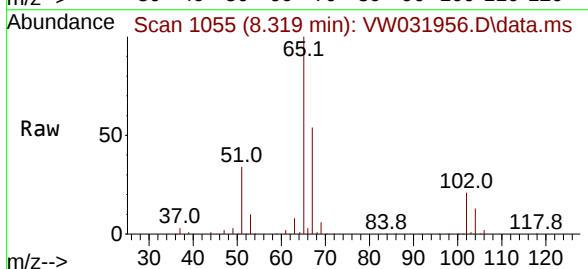
Instrument :
MSVOA_W
ClientSampleId :
VW0730SBL01

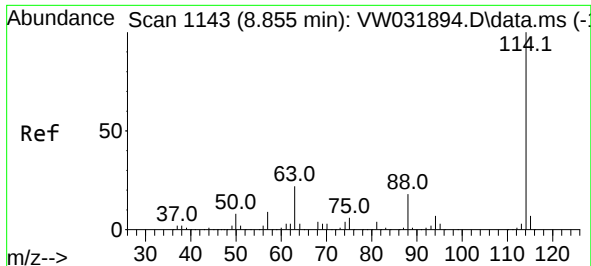
Tgt Ion: 56 Resp: 4375
Ion Ratio Lower Upper
56 100
69 159.0 26.7 40.1#
84 117.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.409 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

Tgt Ion: 65 Resp: 145120
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031956.D

Acq: 30 Jul 2025 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBL01

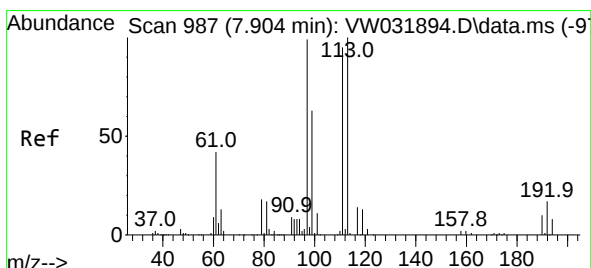
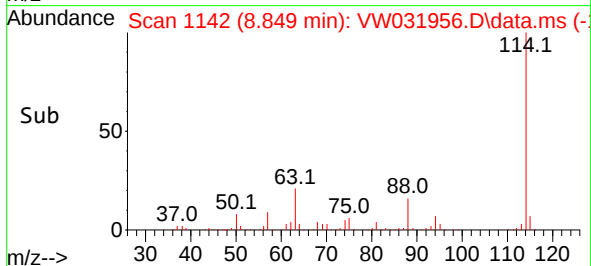
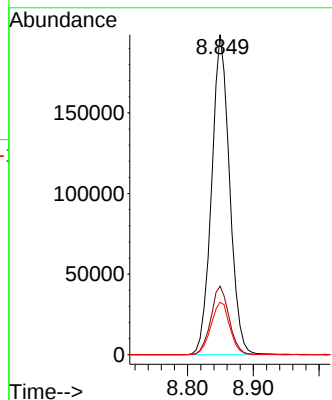
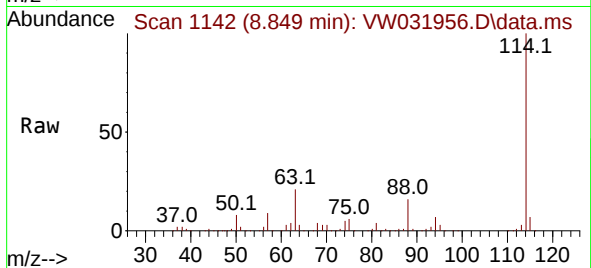
Tgt Ion:114 Resp: 377186

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 16.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 50.031 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031956.D

Acq: 30 Jul 2025 11:35

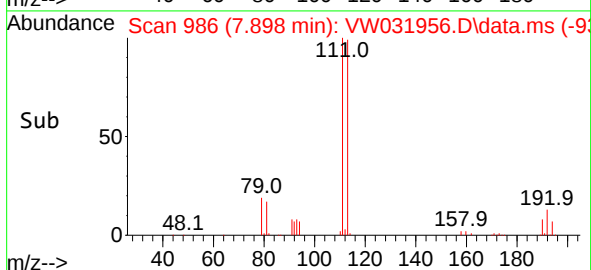
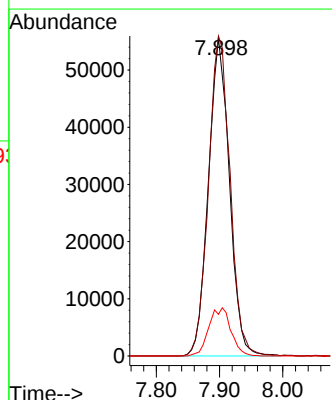
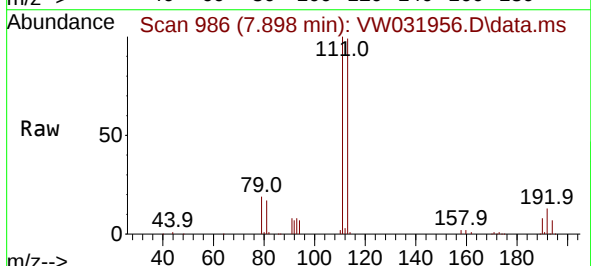
Tgt Ion:113 Resp: 128231

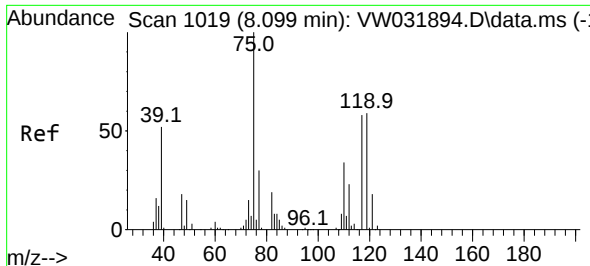
Ion Ratio Lower Upper

113 100

111 103.3 79.9 119.9

192 16.0 12.6 19.0

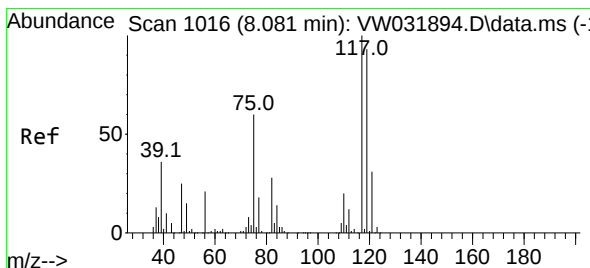
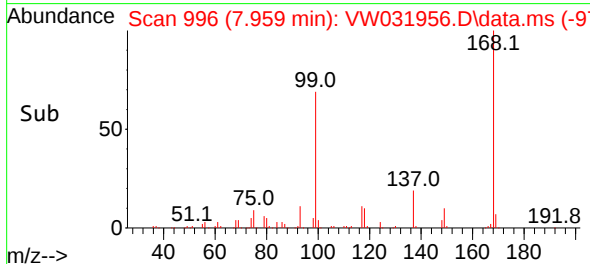
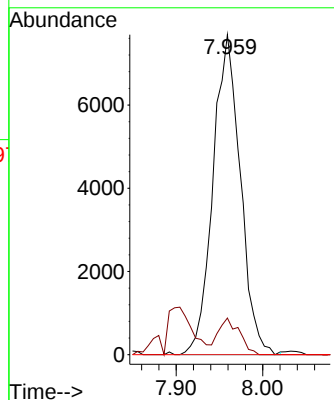
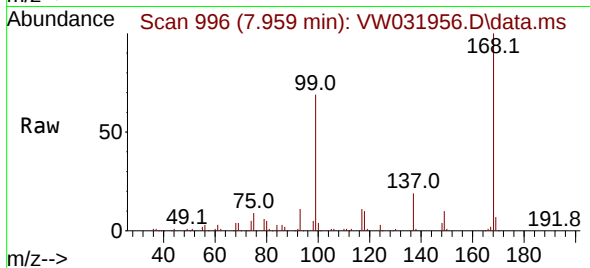




#36
 1,1-Dichloropropene
 Concen: 4.292 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031956.D
 Acq: 30 Jul 2025 11:35

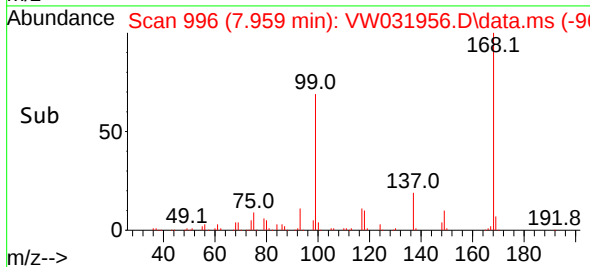
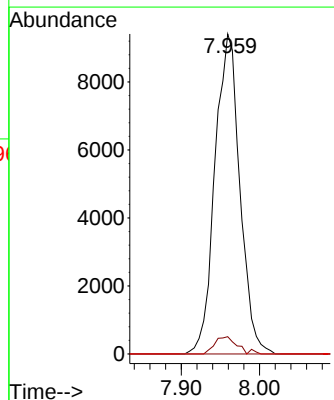
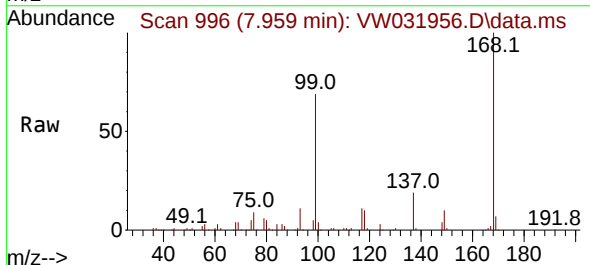
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBL01

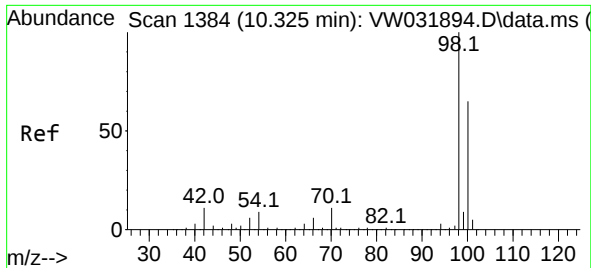
Tgt Ion: 75 Resp: 16893
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.0 50.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.513 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031956.D
 Acq: 30 Jul 2025 11:35

Tgt Ion: 117 Resp: 20827
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.3 111.5#
 121 0.0 24.6 37.0#

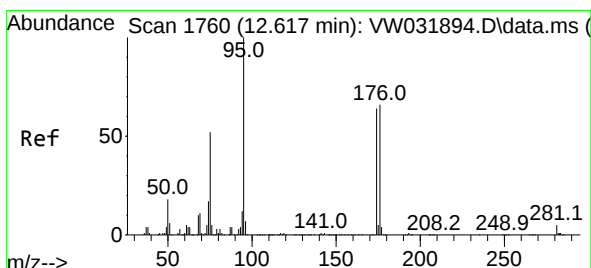
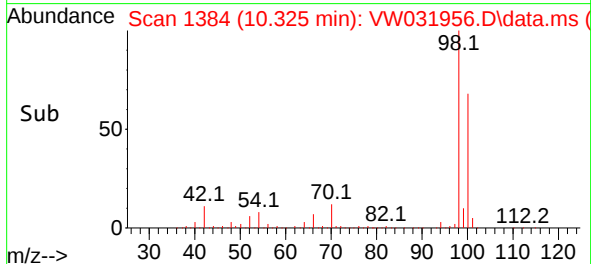
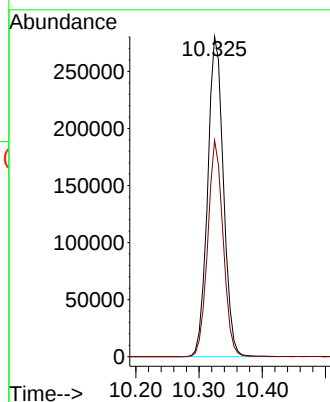
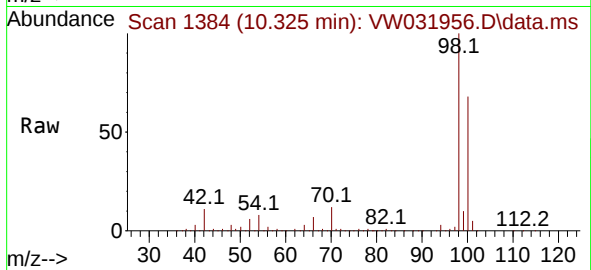




#50
Toluene-d8
Concen: 50.159 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

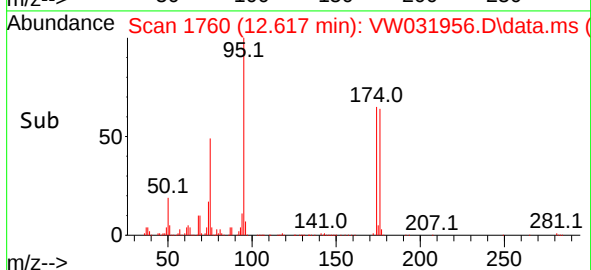
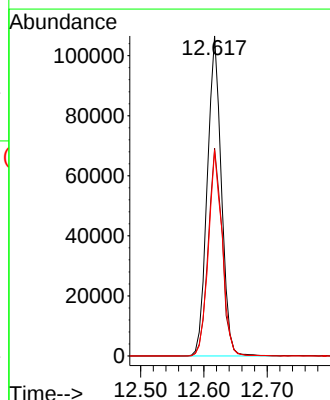
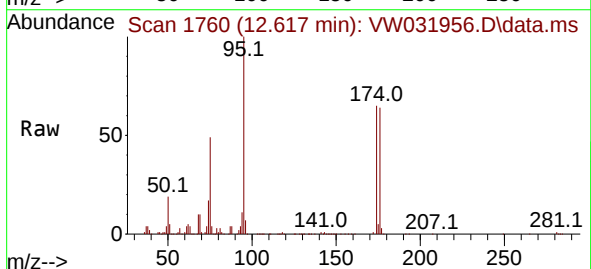
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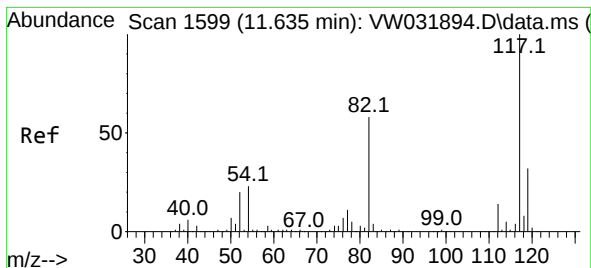
Tgt Ion: 98 Resp: 486555
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.344 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

Tgt Ion: 95 Resp: 165168
Ion Ratio Lower Upper
95 100
174 64.1 0.0 129.8
176 62.9 0.0 130.4

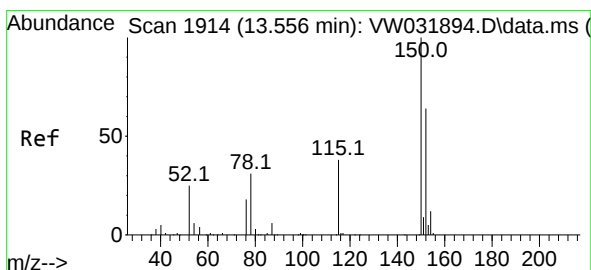
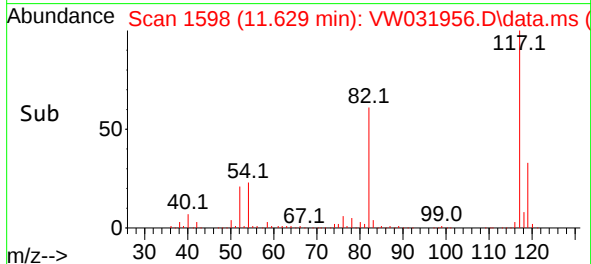
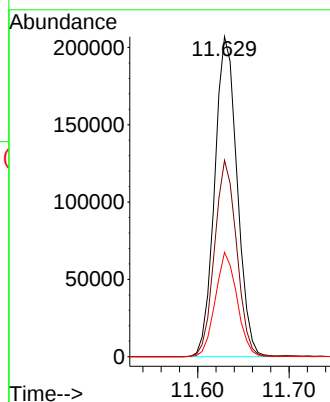
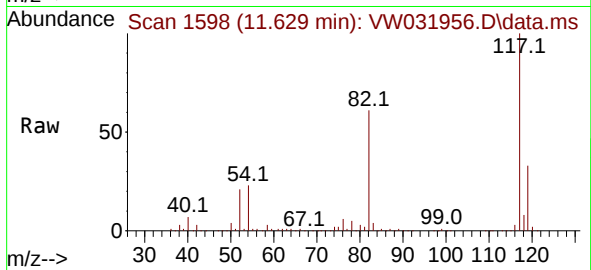




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

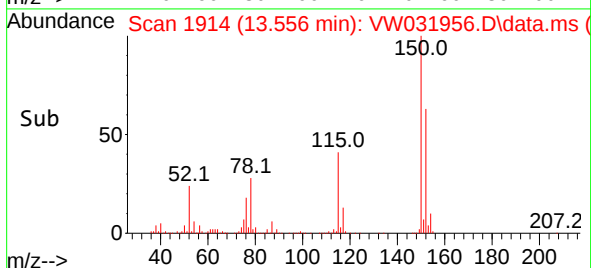
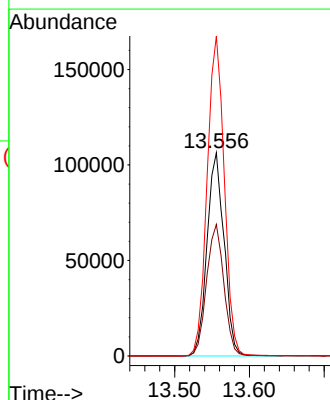
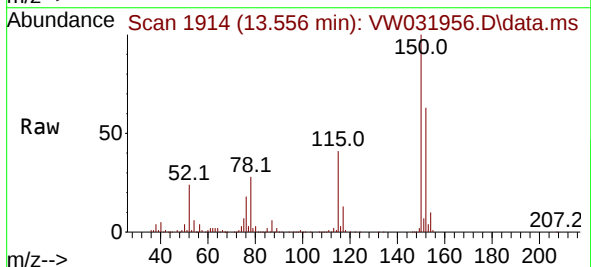
Instrument :
MSVOA_W
ClientSampleId :
VW0730SBL01

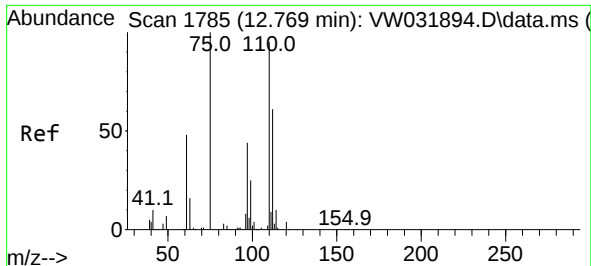
Tgt Ion:117 Resp: 353594
Ion Ratio Lower Upper
117 100
82 61.3 46.5 69.7
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

Tgt Ion:152 Resp: 168434
Ion Ratio Lower Upper
152 100
115 66.1 33.4 100.1
150 158.4 0.0 352.2

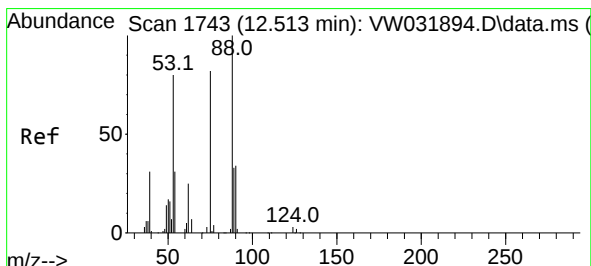
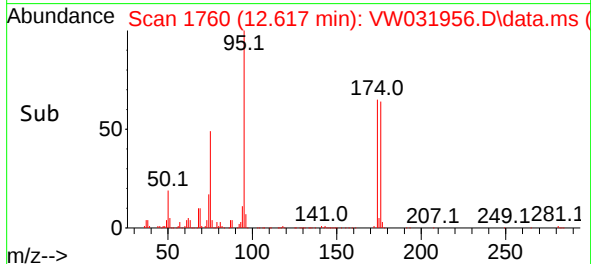
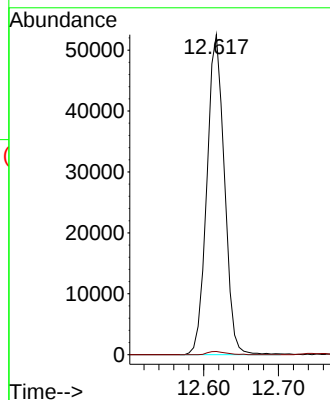
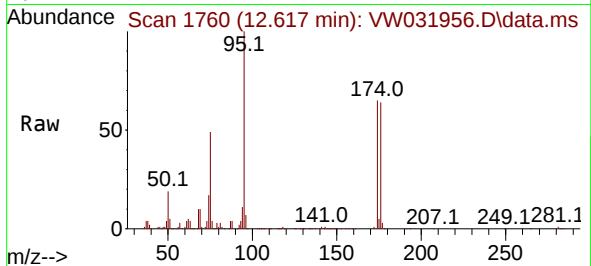




#76
1,2,3-Trichloropropane
Concen: 36.792 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBL01

Tgt Ion: 75 Resp: 85560
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.943 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031956.D
Acq: 30 Jul 2025 11:35

Tgt Ion: 75 Resp: 85560
Ion Ratio Lower Upper
75 100
53 0.2 83.7 125.5#
89 0.0 39.0 58.6#

