

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032650.D
 Acq On : 16 Dec 2025 12:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Dec 17 00:37:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:33:11 2025
 Response via : Initial Calibration

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

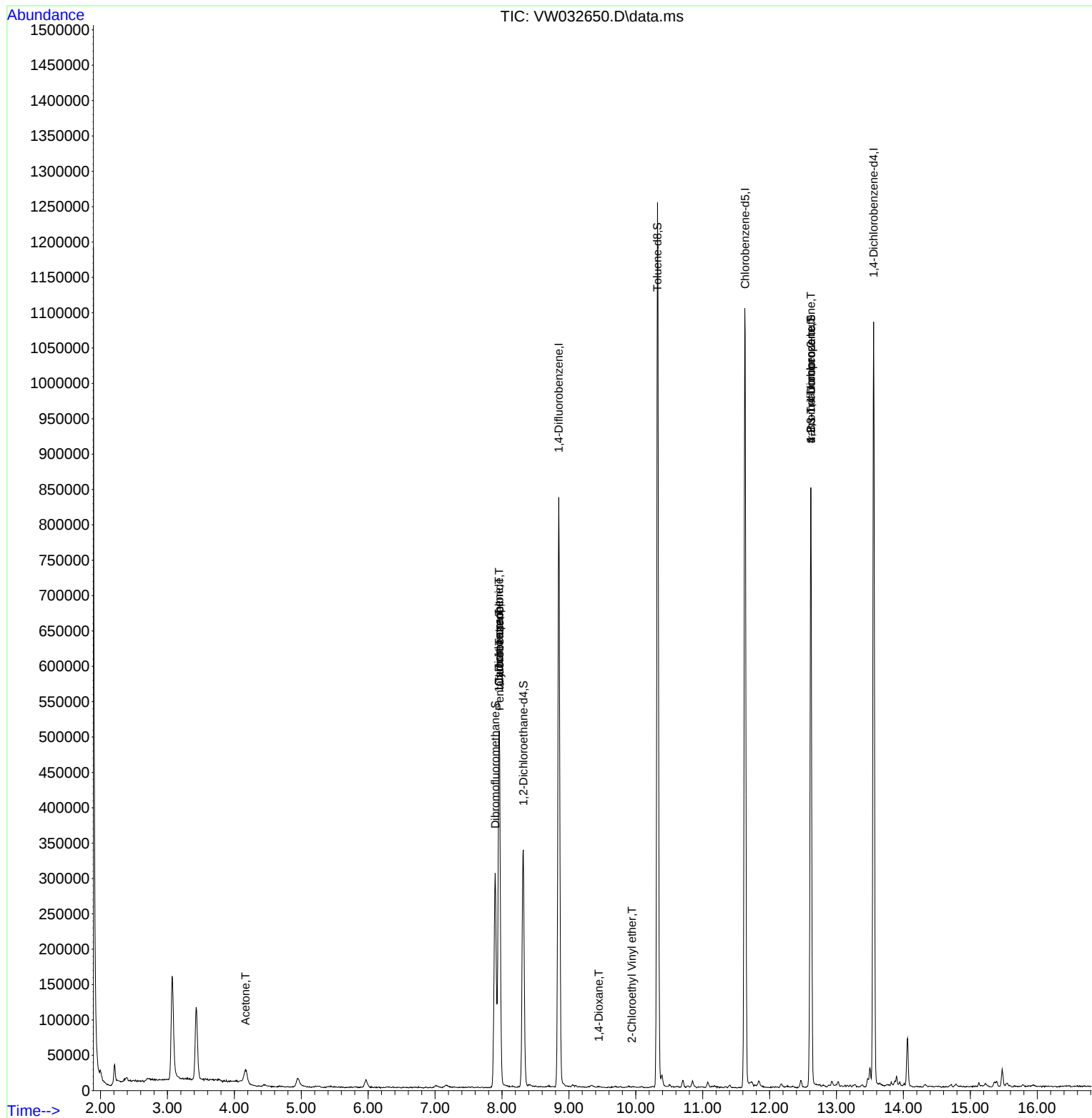
Internal Standards						
1) Pentafluorobenzene	7.965	168	359051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	681187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	276740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	277812	53.938	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.880%			
35) Dibromofluoromethane	7.898	113	219501	49.586	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.180%			
50) Toluene-d8	10.324	98	799542	47.933	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.860%			
62) 4-Bromofluorobenzene	12.617	95	288893	47.088	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.180%			
Target Compounds						
16) Acetone	4.167	43	34119	19.286	ug/l	96
20) Methylene Chloride	4.941	84	10269	Below Cal	#	82
31) Cyclohexane	7.959	56	9775	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	34397	5.018	ug/l #	51
38) Carbon Tetrachloride	7.959	117	39644	6.109	ug/l #	18
49) 1,4-Dioxane	9.446	88	133	3.470	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.940	63	373	15.893	ug/l #	81
76) 1,2,3-Trichloropropane	12.617	75	151839	24.020	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	151839	94.067	ug/l #	7

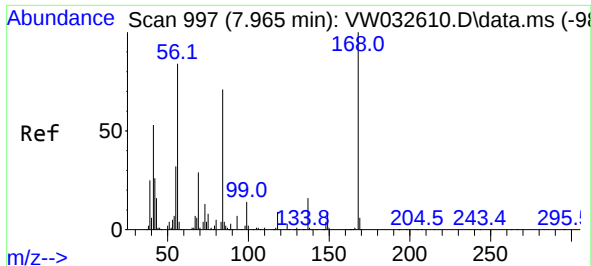
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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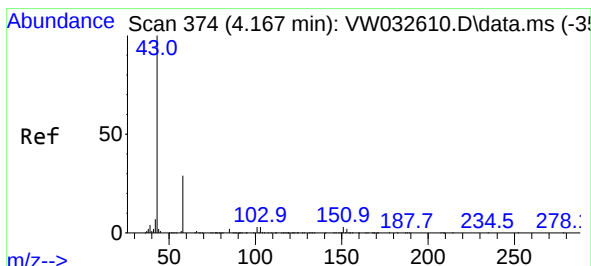
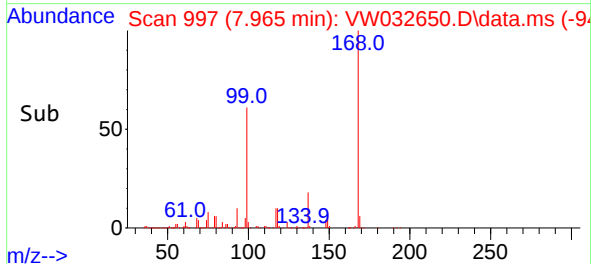
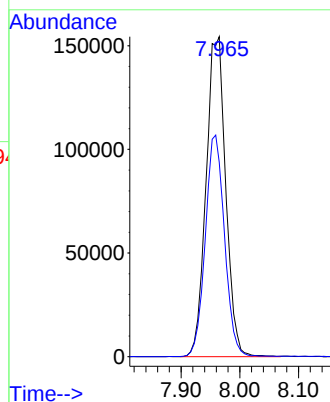
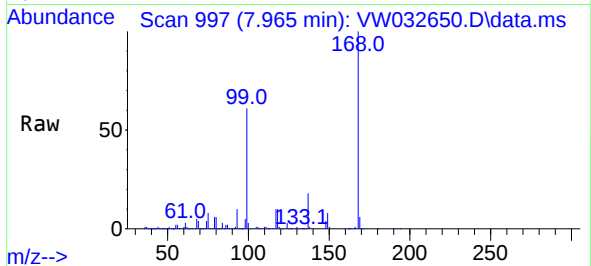




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

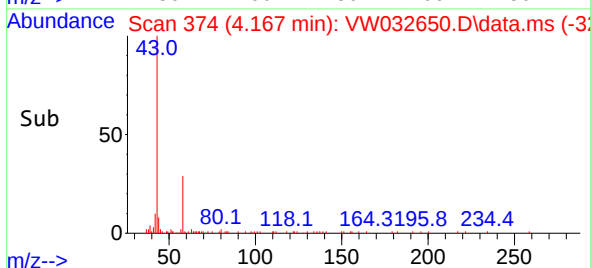
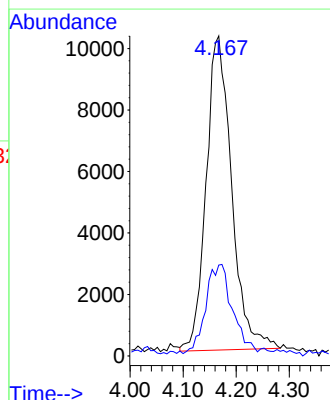
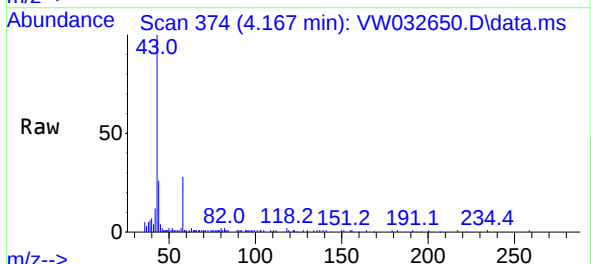
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

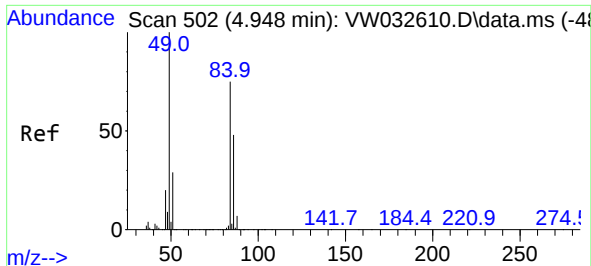
Tgt Ion:168 Resp: 359051
Ion Ratio Lower Upper
168 100
99 60.7 47.8 71.8



#16
Acetone
Concen: 19.286 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 43 Resp: 34119
Ion Ratio Lower Upper
43 100
58 27.5 23.9 35.9



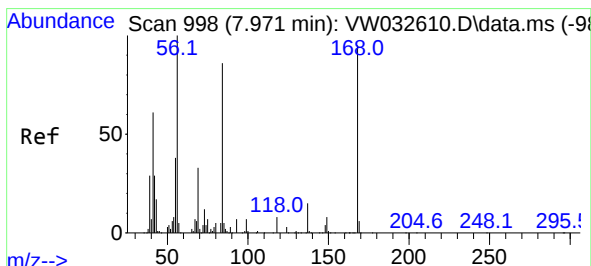
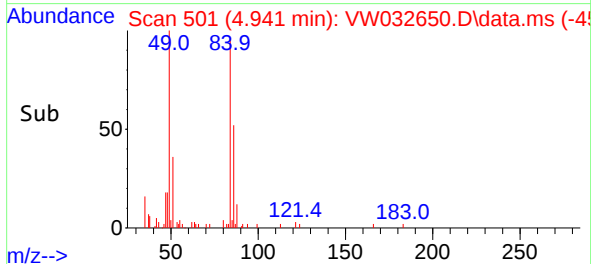
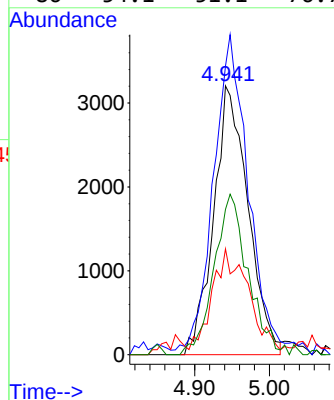
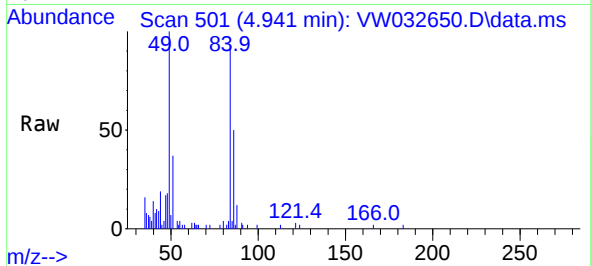


#20
Methylene Chloride
Concen: Below Cal
RT: 4.941 min Scan# 501
Delta R.T. -0.007 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 10269

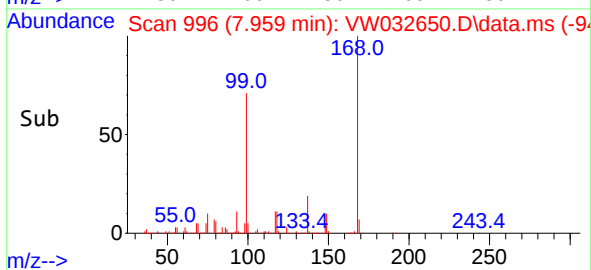
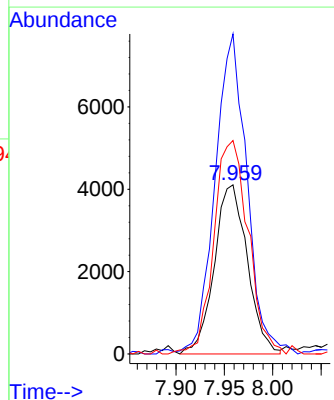
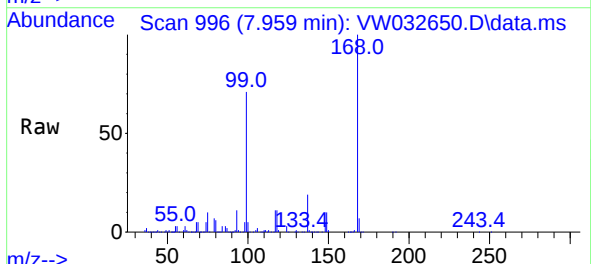
Ion	Ratio	Lower	Upper
84	100		
49	103.7	106.9	160.3#
51	37.6	31.4	47.2
86	54.1	51.1	76.7

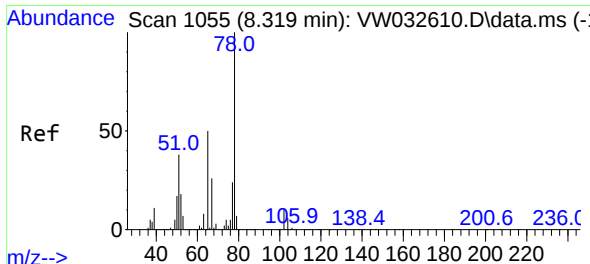


#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.007 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 56 Resp: 9775

Ion	Ratio	Lower	Upper
56	100		
69	190.4	26.2	39.2#
84	125.8	68.9	103.3#

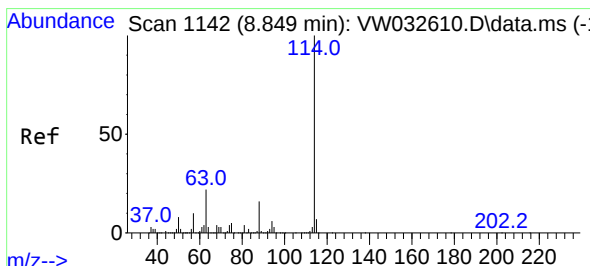
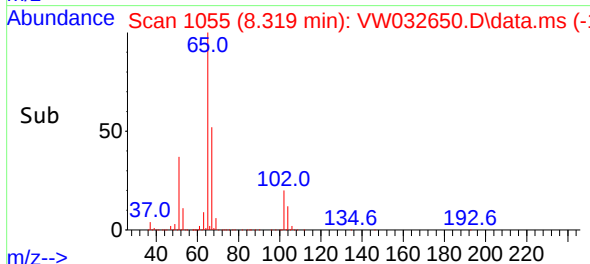
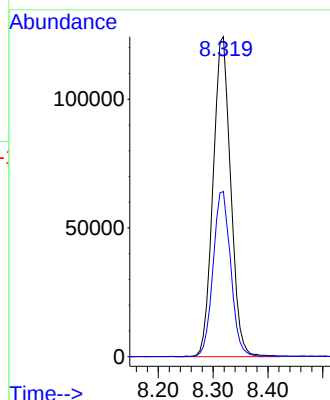
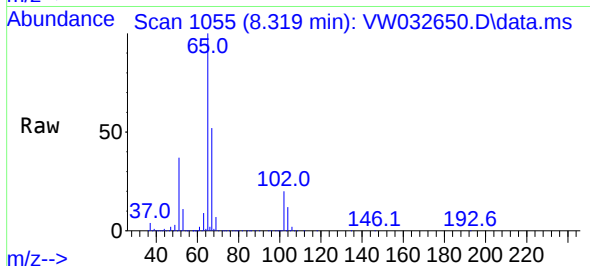




#33
1,2-Dichloroethane-d4
Concen: 53.938 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

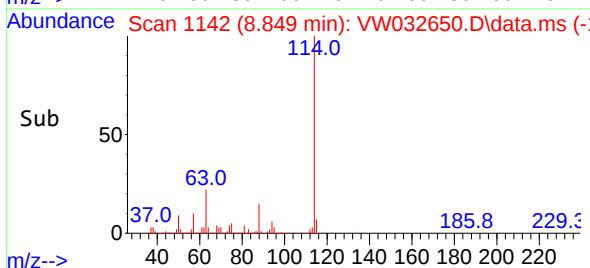
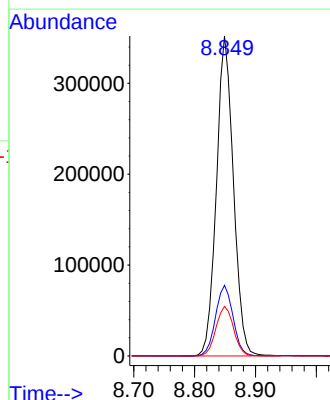
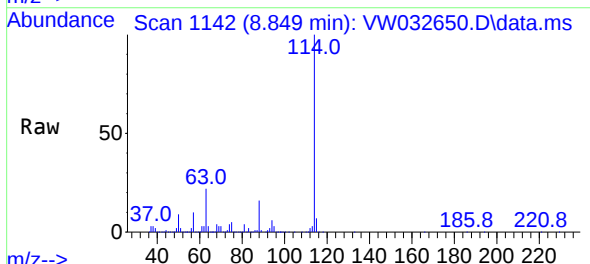
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

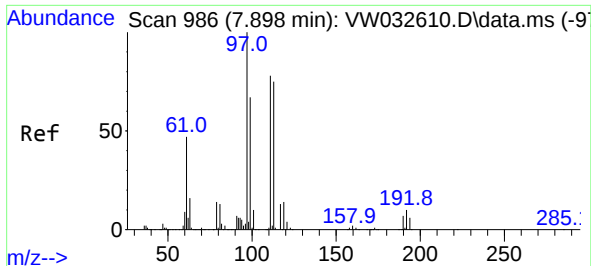
Tgt Ion: 65 Resp: 277812
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 114 Resp: 681187
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.6
88 15.5 0.0 31.8

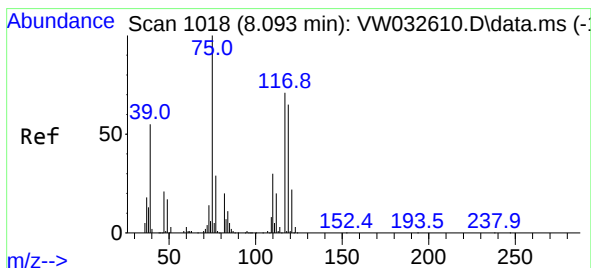
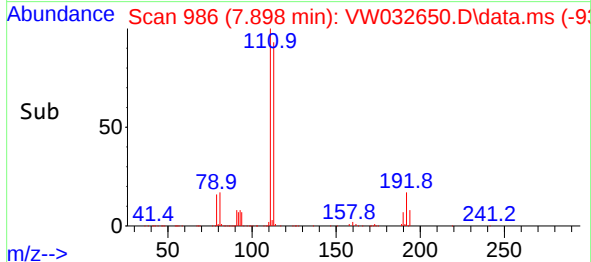
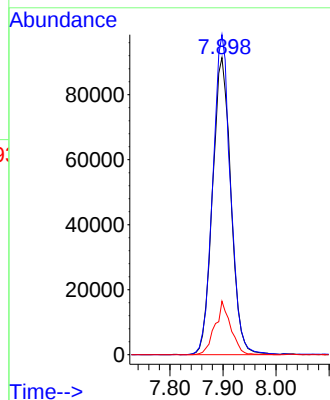
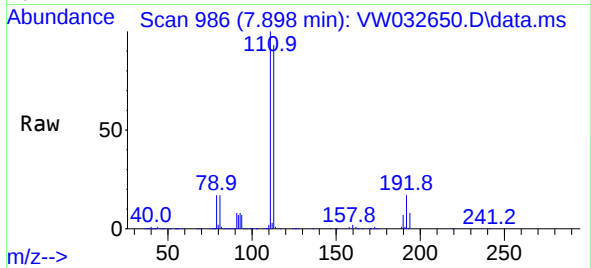




#35
Dibromofluoromethane
Concen: 49.586 ug/l
RT: 7.898 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

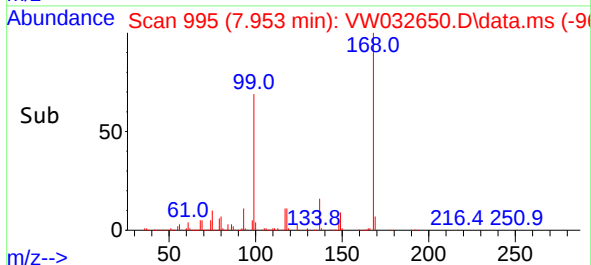
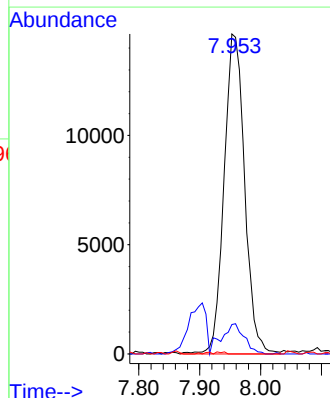
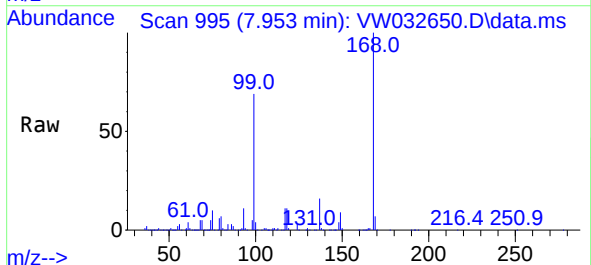
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

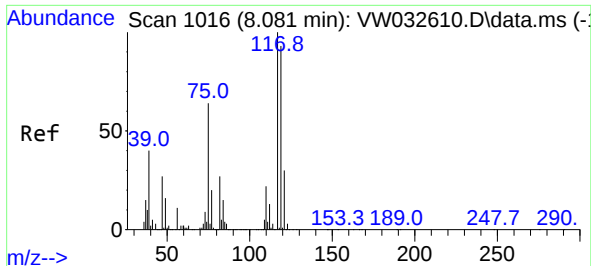
Tgt Ion:113 Resp: 219501
Ion Ratio Lower Upper
113 100
111 104.3 85.2 127.8
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.141 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 75 Resp: 34397
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.6 37.0#

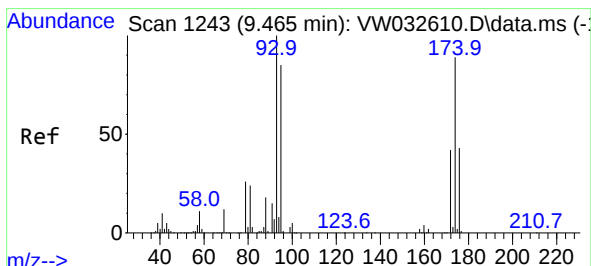
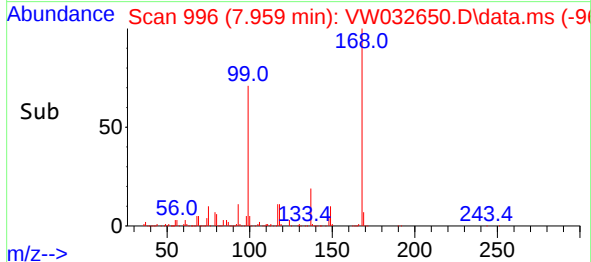
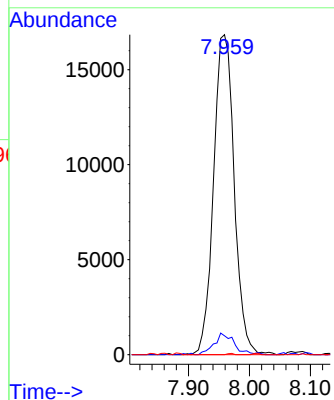
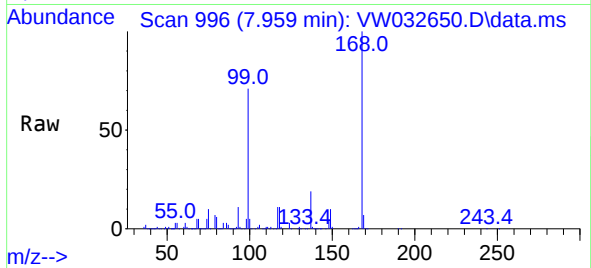




#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.116 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

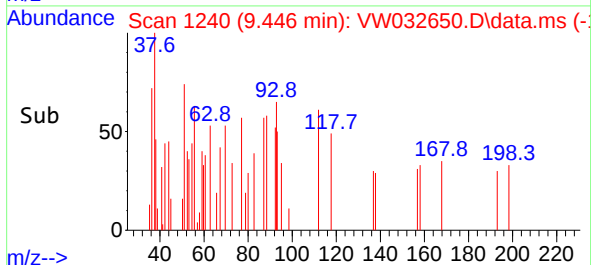
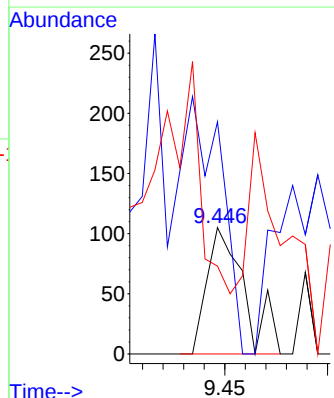
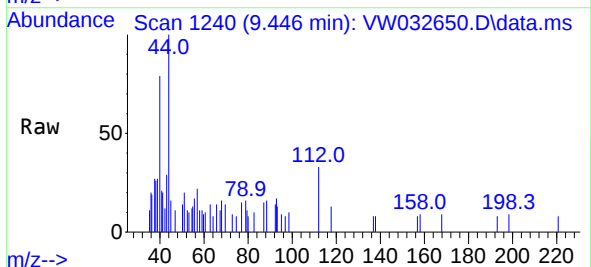
Instrument :
MSVOA_W
ClientSampleId :
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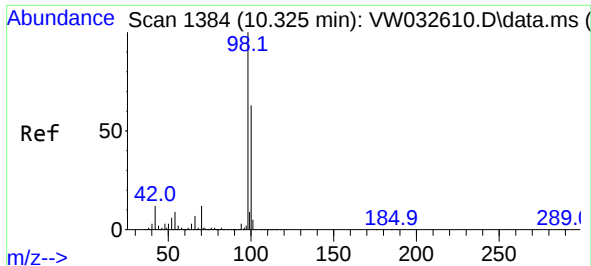
Tgt Ion:117 Resp: 39644
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 3.470 ug/l
RT: 9.446 min Scan# 1240
Delta R.T. -0.013 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 180.5 0.0 0.0#
58 298.5 63.8 95.8#

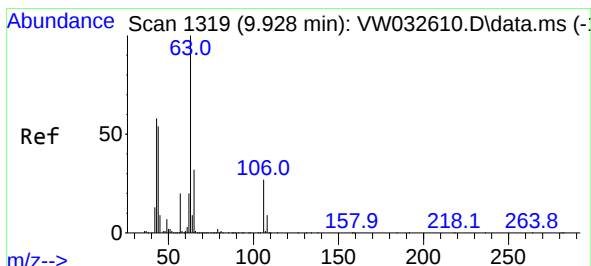
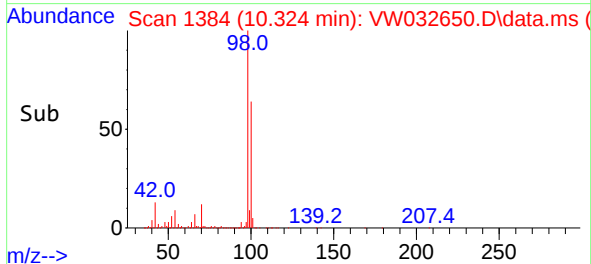
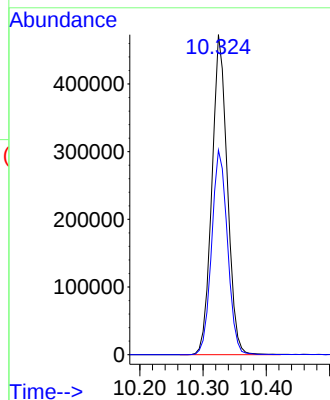
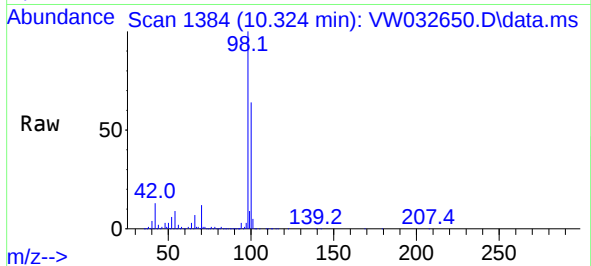




#50
Toluene-d8
Concen: 47.933 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

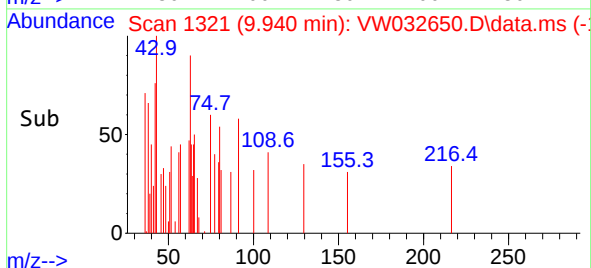
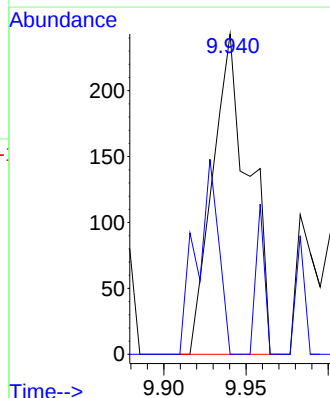
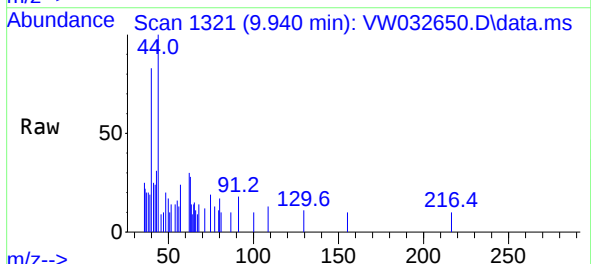
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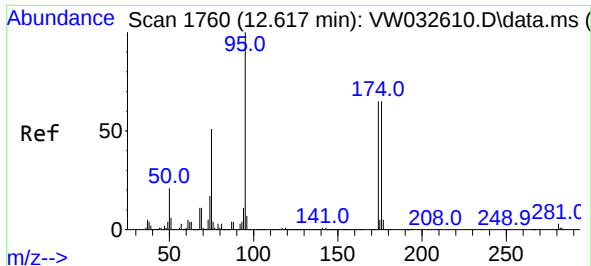
Tgt Ion: 98 Resp: 799542
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



#58
2-Chloroethyl Vinyl ether
Concen: 15.893 ug/l
RT: 9.940 min Scan# 1321
Delta R.T. 0.011 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 63 Resp: 373
Ion Ratio Lower Upper
63 100
106 36.5 21.3 31.9

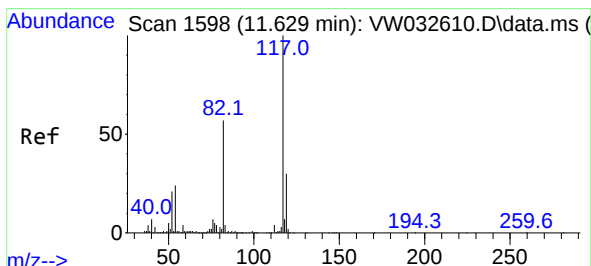
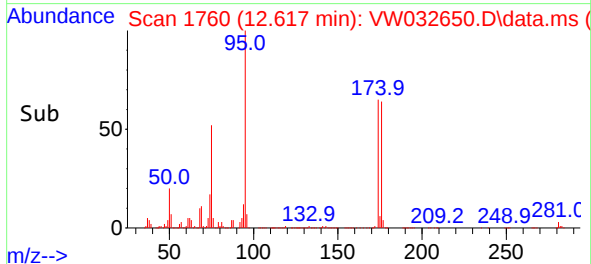
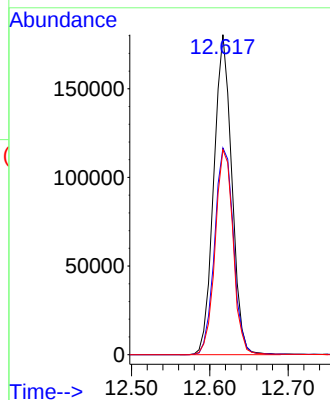
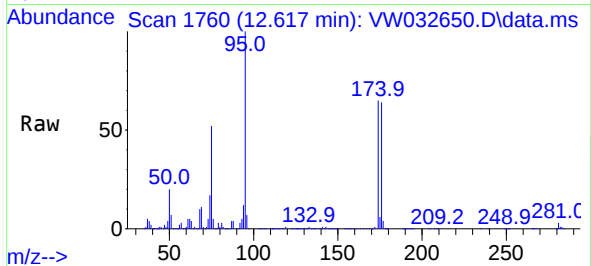




#62
4-Bromofluorobenzene
Concen: 47.088 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

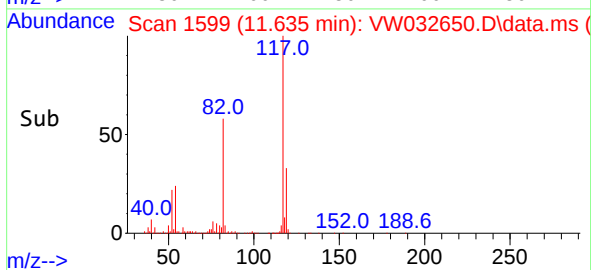
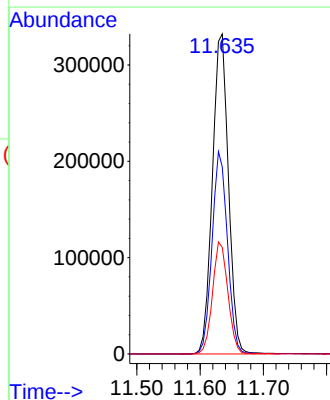
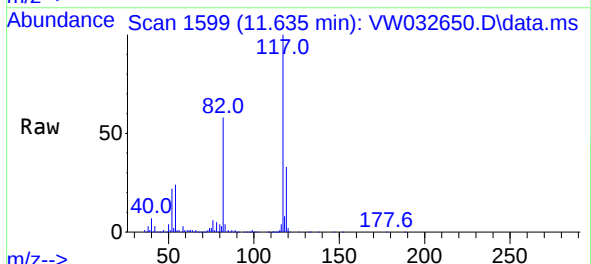
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

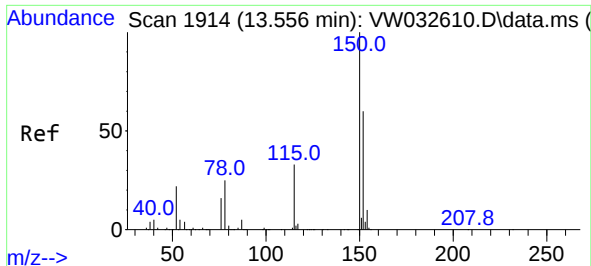
Tgt Ion: 95 Resp: 288893
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.0
176 63.9 0.0 123.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 117 Resp: 585322
Ion Ratio Lower Upper
117 100
82 58.4 45.5 68.3
119 33.3 23.8 35.8

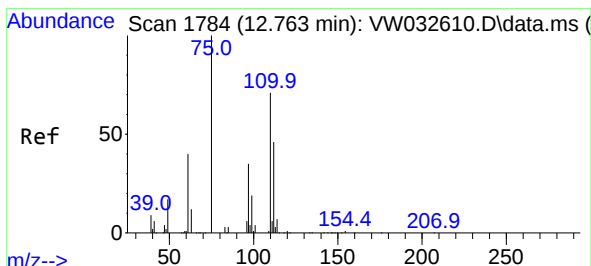
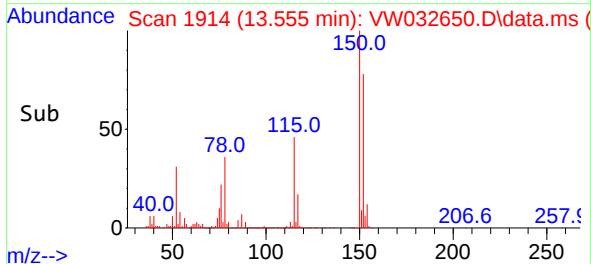
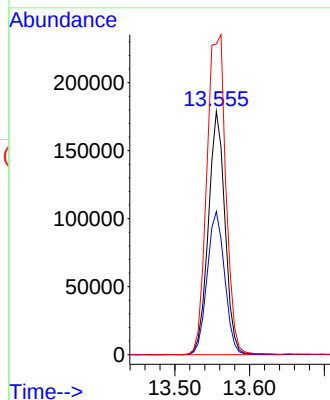
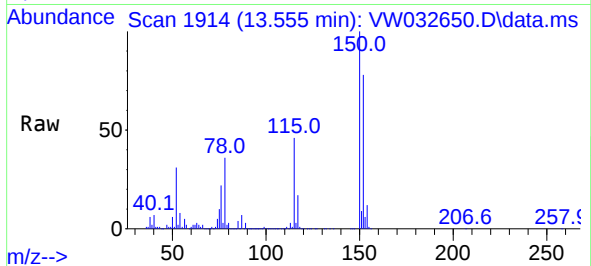




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

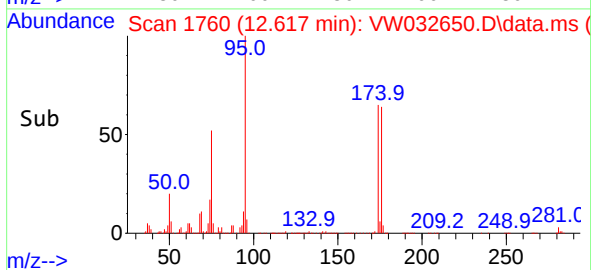
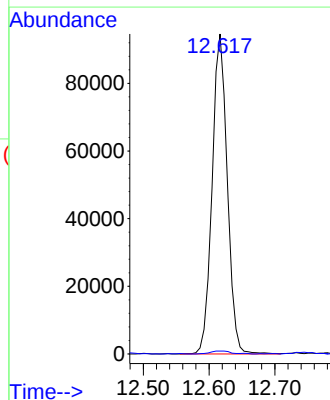
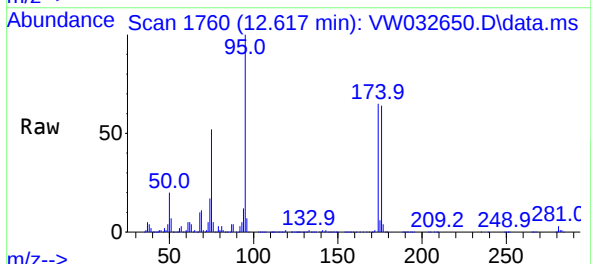
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

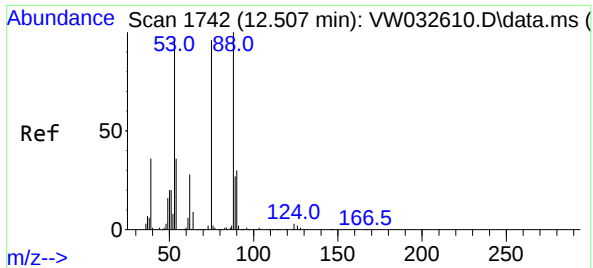
Tgt Ion:152 Resp: 276740
Ion Ratio Lower Upper
152 100
115 61.9 33.8 101.3
150 151.0 0.0 369.4



#76
1,2,3-Trichloropropane
Concen: 24.020 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Tgt Ion: 75 Resp: 151839
Ion Ratio Lower Upper
75 100
77 1.3 154.0 462.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.067 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.109 min
Lab File: VW032650.D
Acq: 16 Dec 2025 12:43

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 151839
Ion Ratio Lower Upper
75 100
53 0.3 86.1 129.1#
89 0.0 37.4 56.2#

