

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032255.D
 Acq On : 24 Sep 2025 19:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 25 08:18:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

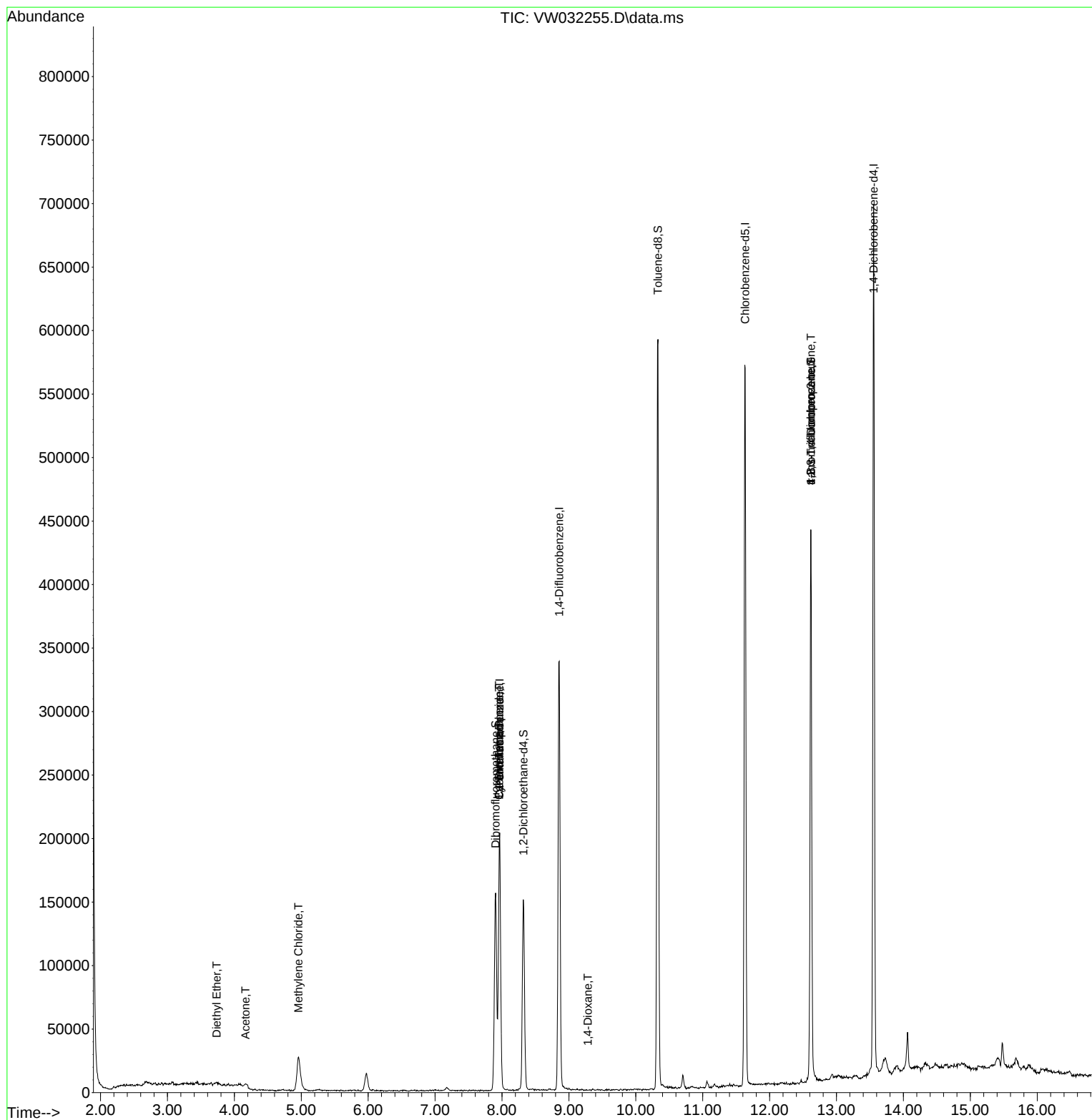
Internal Standards						
1) Pentafluorobenzene	7.965	168	142970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	291985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	318944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125999	61.623	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 123.240%		
35) Dibromofluoromethane	7.904	113	109952	53.673	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.340%		
50) Toluene-d8	10.331	98	395617	55.012	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 110.020%		
62) 4-Bromofluorobenzene	12.617	95	145690	54.786	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 109.580%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.734	74	1057	1.112	ug/l	74
16) Acetone	4.167	43	1232	2.782	ug/l #	79
20) Methylene Chloride	4.960	84	24238	10.131	ug/l	91
31) Cyclohexane	7.959	56	3994	1.591	ug/l #	48
36) 1,1-Dichloropropene	7.959	75	12123	4.564	ug/l #	52
38) Carbon Tetrachloride	7.959	117	15929	5.594	ug/l #	18
49) 1,4-Dioxane	9.282	88	19	1.133	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	77090	37.050	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77090	99.756	ug/l #	5

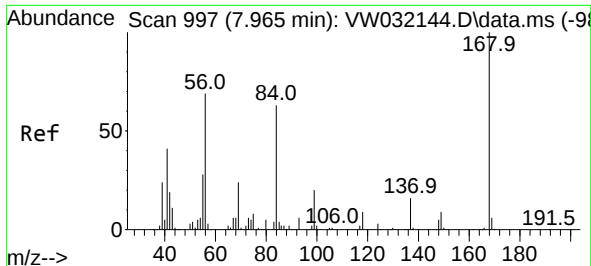
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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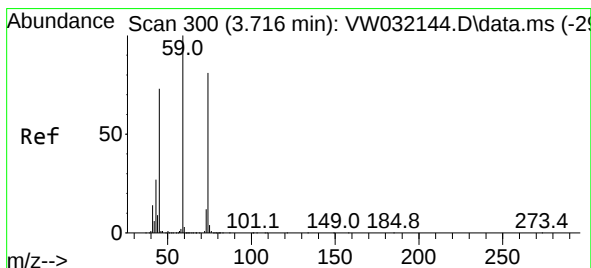
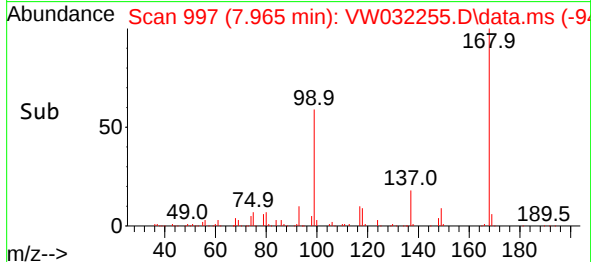
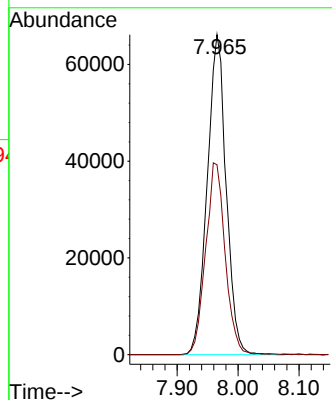
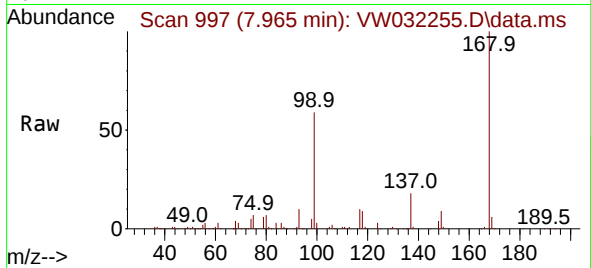




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

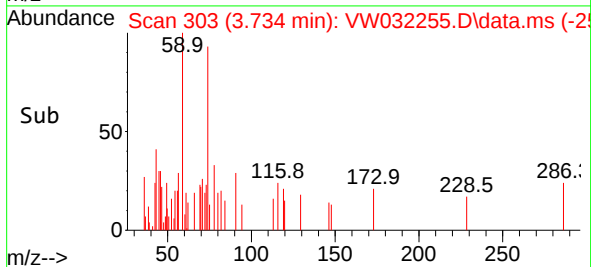
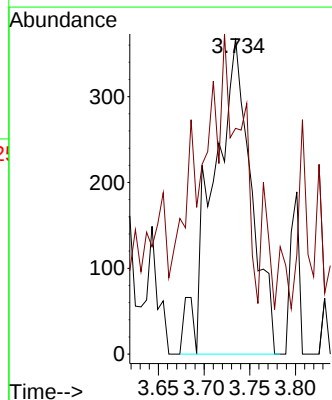
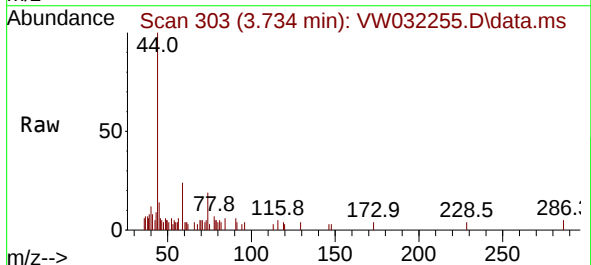
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

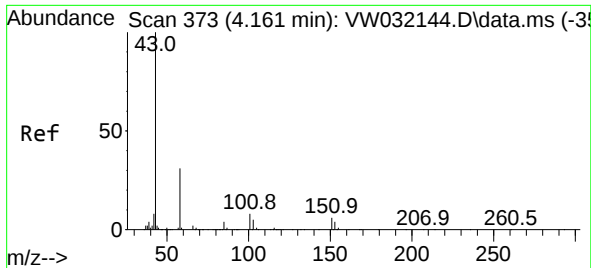
Tgt Ion:168 Resp: 142970
Ion Ratio Lower Upper
168 100
99 59.4 49.3 73.9



#8
Diethyl Ether
Concen: 1.112 ug/l
RT: 3.734 min Scan# 303
Delta R.T. 0.018 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

Tgt Ion: 74 Resp: 1057
Ion Ratio Lower Upper
74 100
45 62.3 43.1 129.4

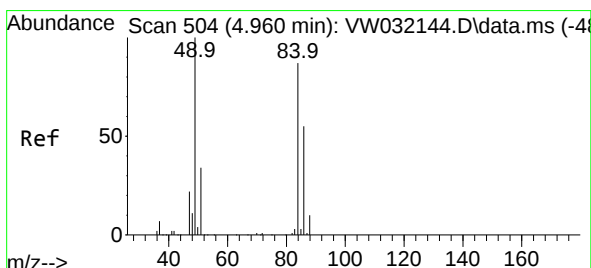
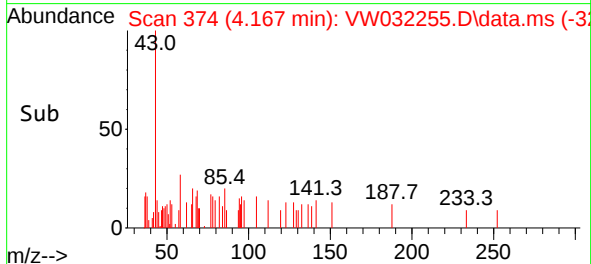
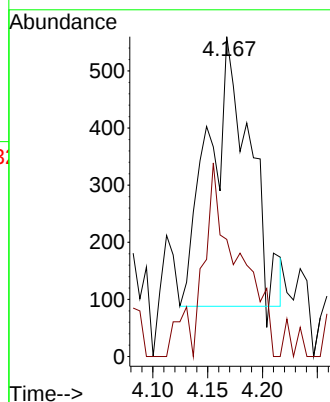
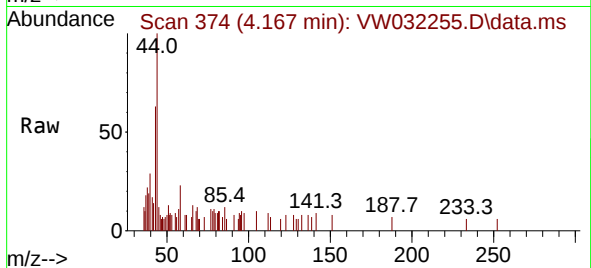




#16
Acetone
Concen: 2.782 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

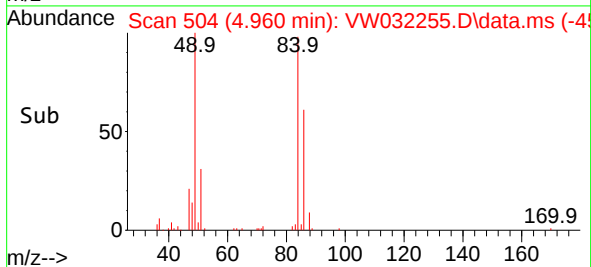
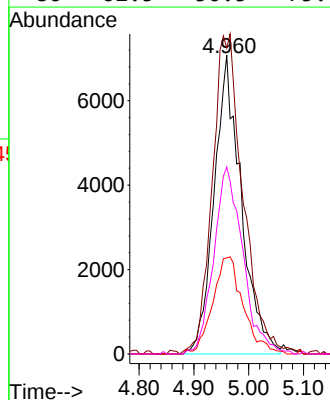
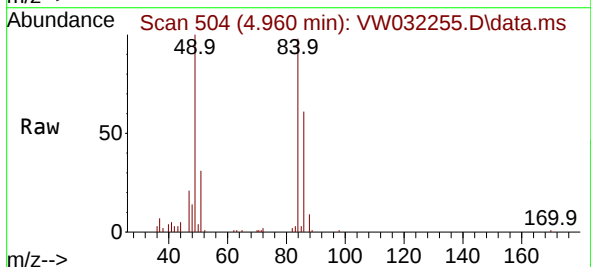
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

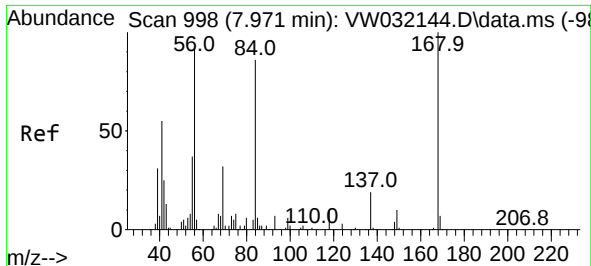
Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
58 43.4 25.3 37.9#



#20
Methylene Chloride
Concen: 10.131 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

Tgt Ion: 84 Resp: 24238
Ion Ratio Lower Upper
84 100
49 102.3 92.2 138.4
51 32.1 31.0 46.6
86 62.5 50.5 75.7

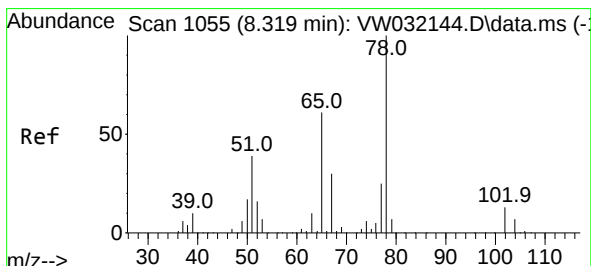
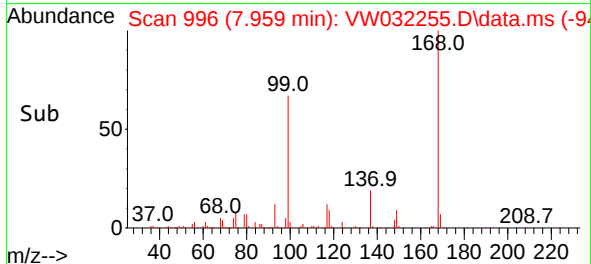
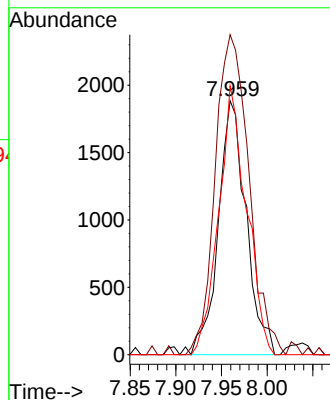
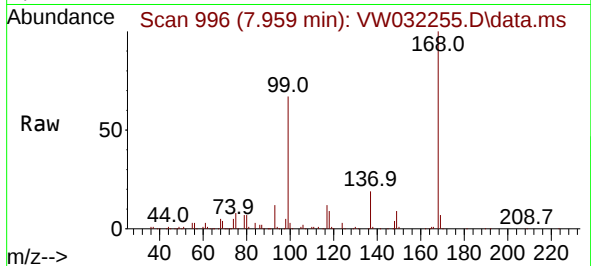




#31
Cyclohexane
Concen: 1.591 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

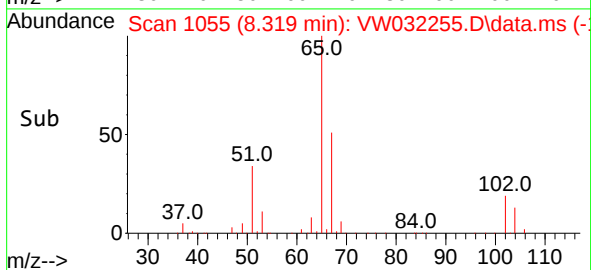
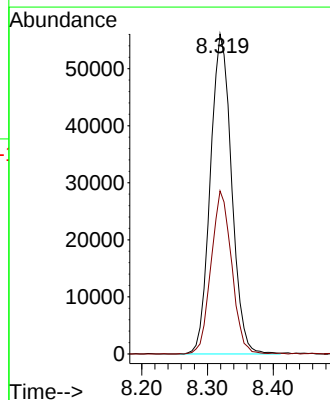
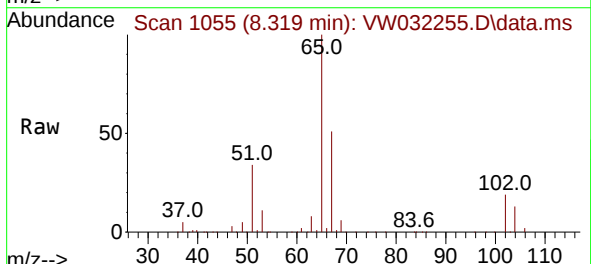
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

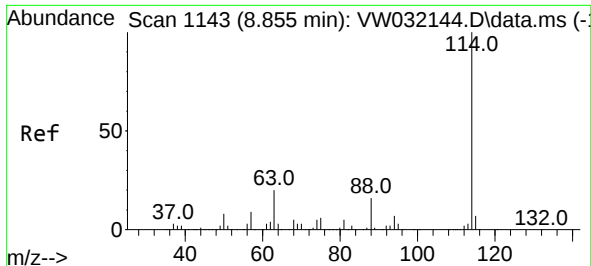
Tgt Ion: 56 Resp: 3994
Ion Ratio Lower Upper
56 100
69 126.0 27.7 41.5#
84 105.8 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 61.623 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

Tgt Ion: 65 Resp: 125999
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.6

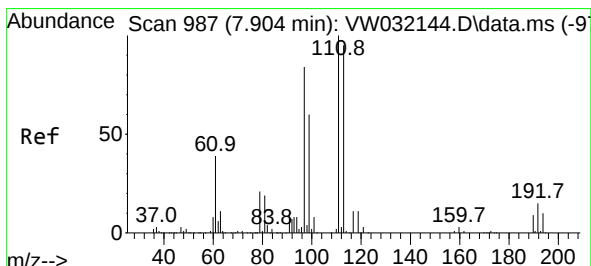
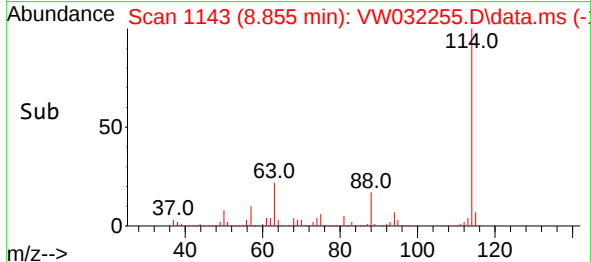
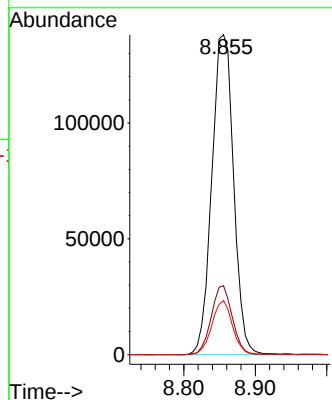
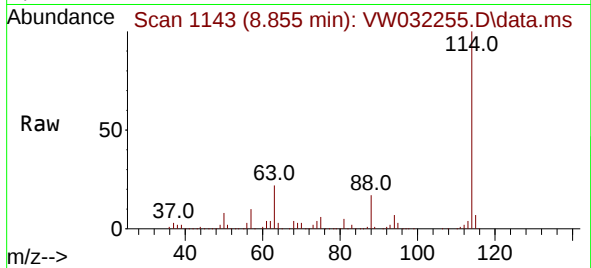




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

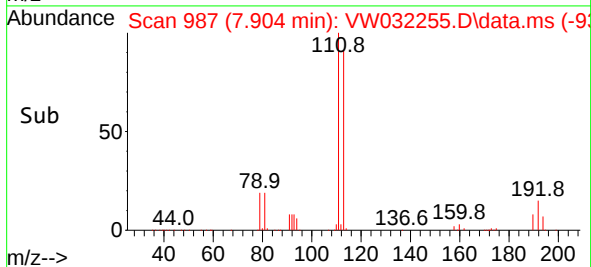
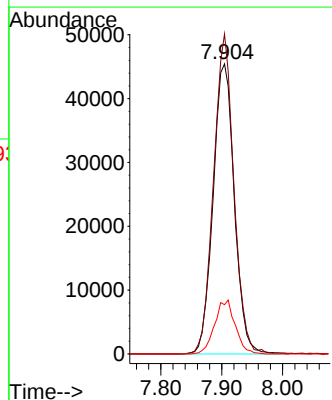
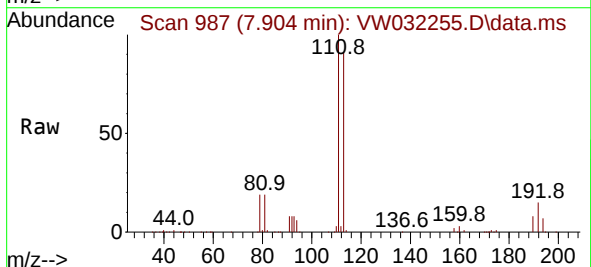
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

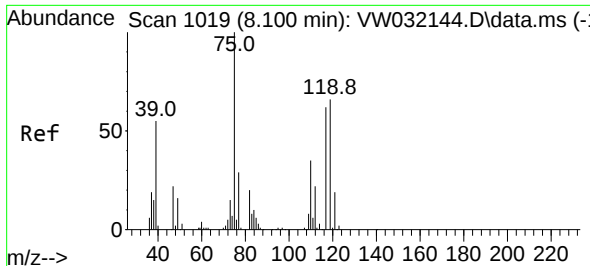
Tgt Ion:114 Resp: 291985
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 16.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.673 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

Tgt Ion:113 Resp: 109952
Ion Ratio Lower Upper
113 100
111 105.7 83.9 125.9
192 18.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032255.D

Acq: 24 Sep 2025 19:24

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

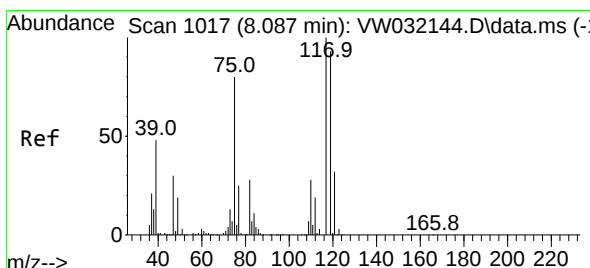
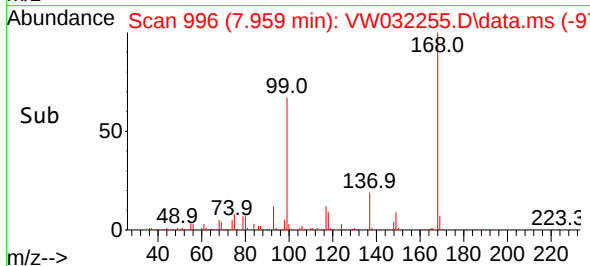
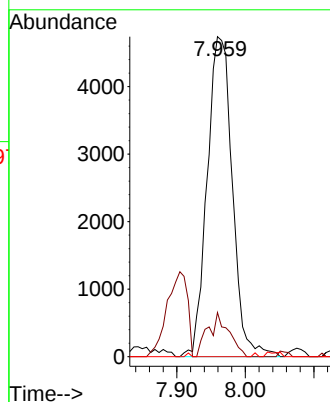
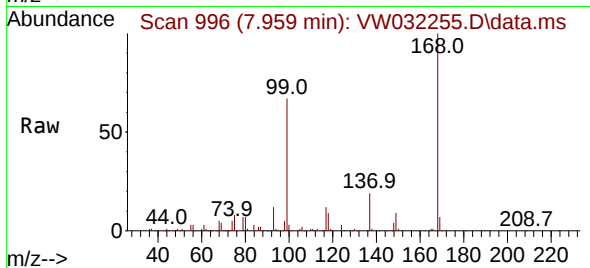
Tgt Ion: 75 Resp: 12123

Ion Ratio Lower Upper

75 100

110 11.3 17.5 52.5#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.594 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032255.D

Acq: 24 Sep 2025 19:24

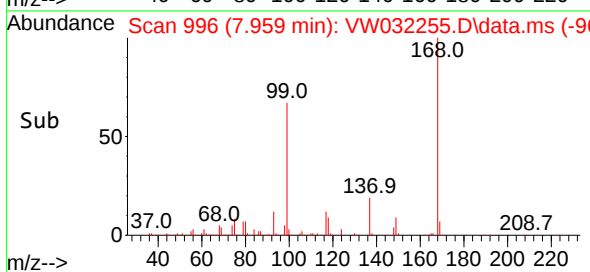
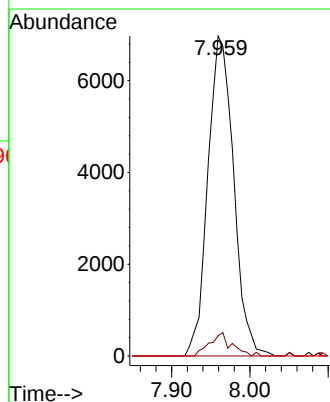
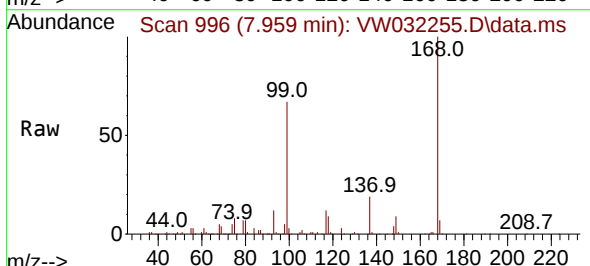
Tgt Ion: 117 Resp: 15929

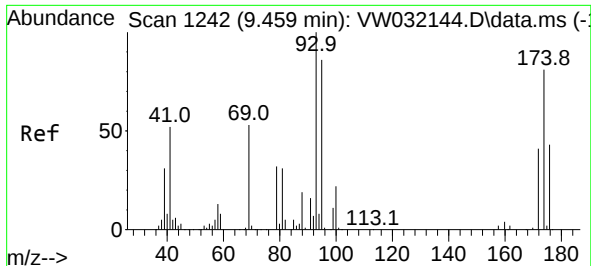
Ion Ratio Lower Upper

117 100

119 6.3 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.133 ug/l

RT: 9.282 min Scan# 1213

Delta R.T. -0.177 min

Lab File: VW032255.D

Acq: 24 Sep 2025 19:24

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

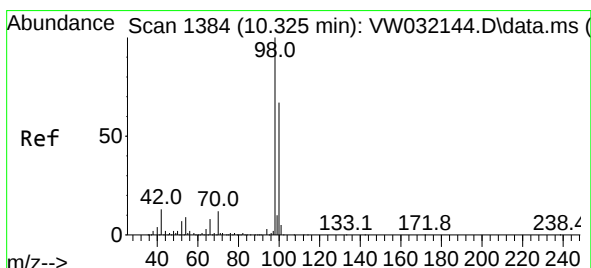
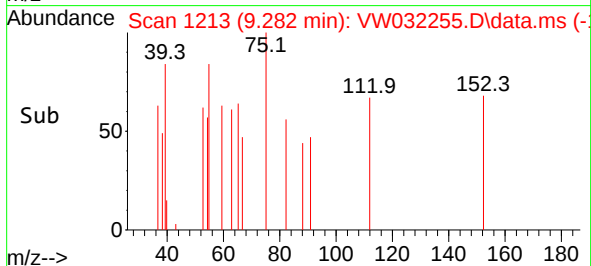
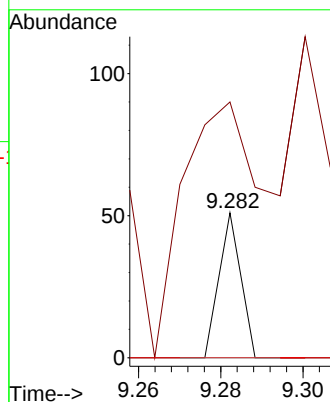
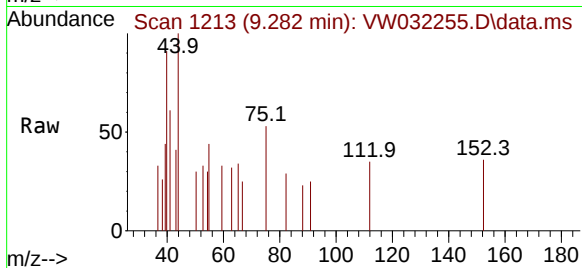
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 673.7 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 55.012 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032255.D

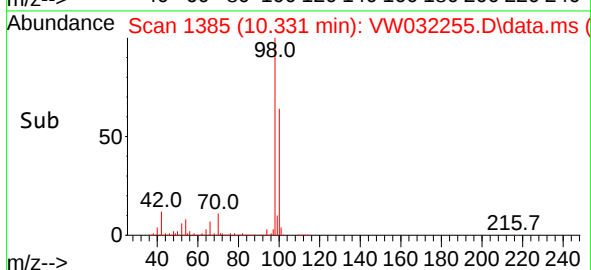
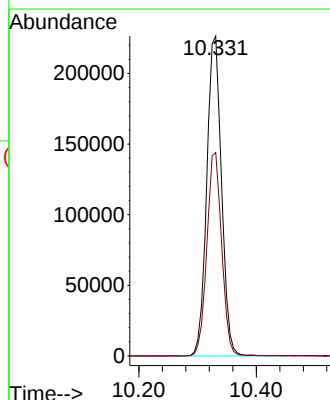
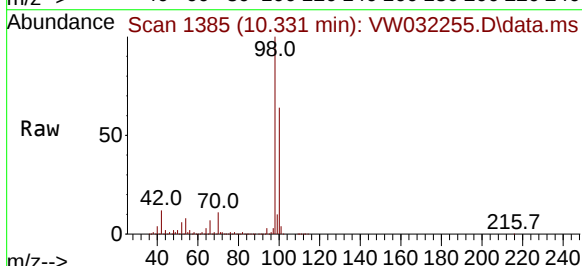
Acq: 24 Sep 2025 19:24

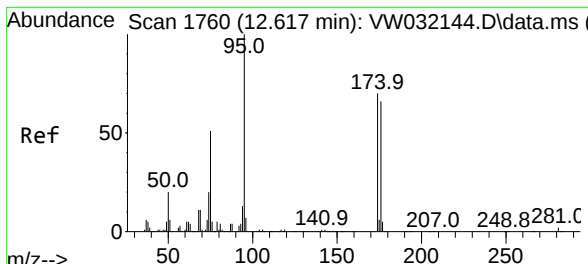
Tgt Ion: 98 Resp: 395617

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.2



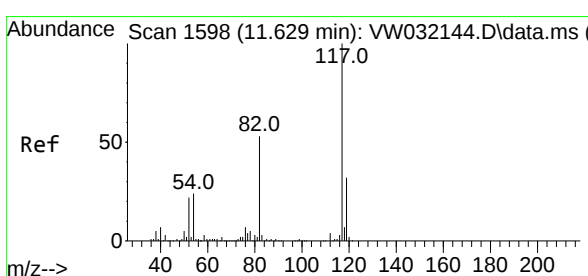
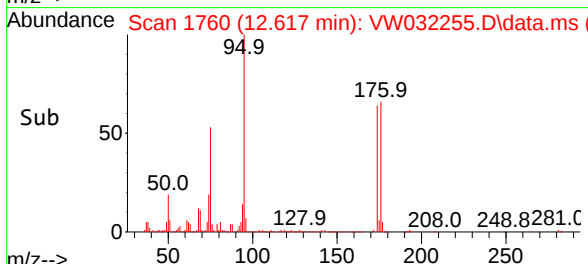
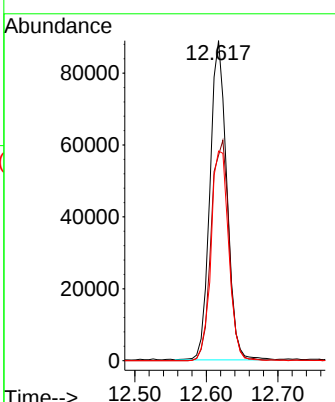
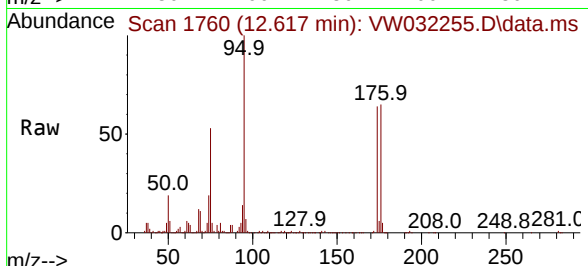


#62
 4-Bromofluorobenzene
 Concen: 54.786 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. 0.000 min
 Lab File: VW032255.D
 Acq: 24 Sep 2025 19:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 145690

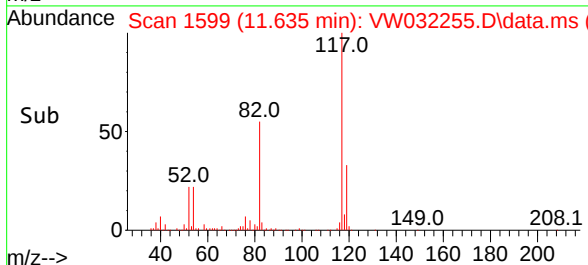
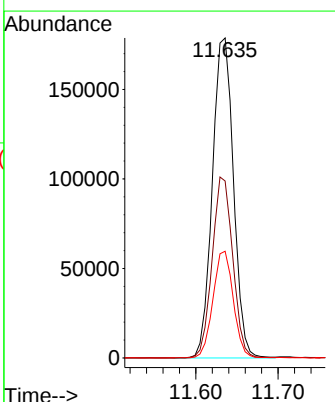
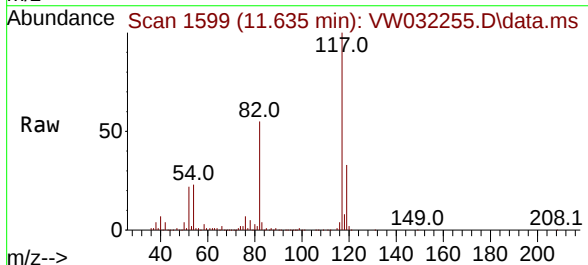
Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.6
176	68.8	0.0	140.8

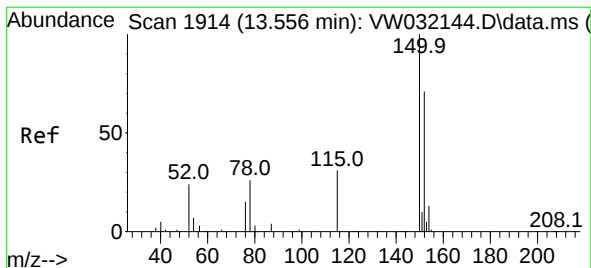


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.635 min Scan# 1599
 Delta R.T. 0.006 min
 Lab File: VW032255.D
 Acq: 24 Sep 2025 19:24

Tgt Ion: 117 Resp: 318944

Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.7	64.1
119	33.3	25.2	37.8

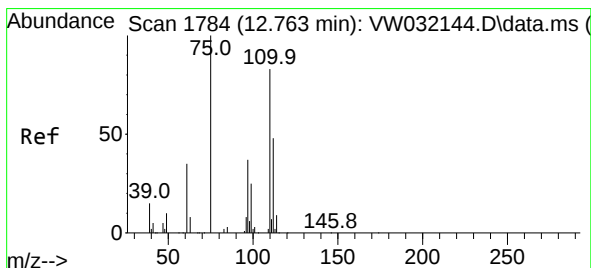
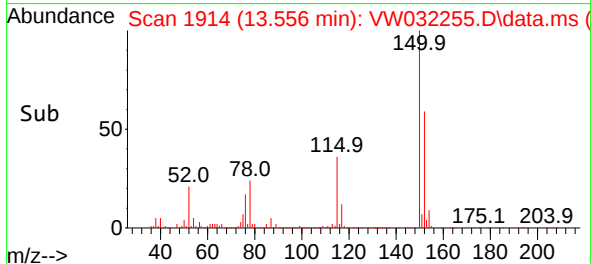
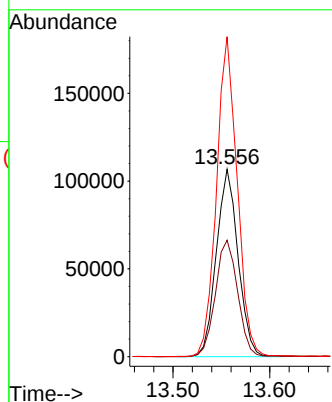
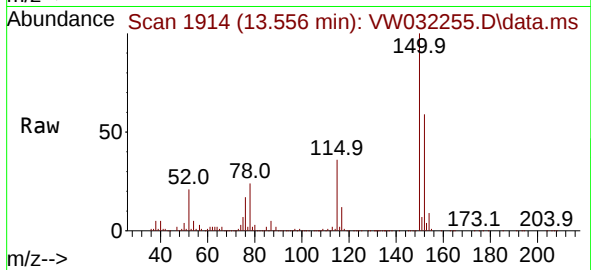




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032255.D
 Acq: 24 Sep 2025 19:24

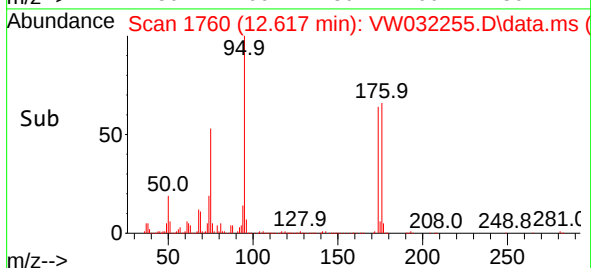
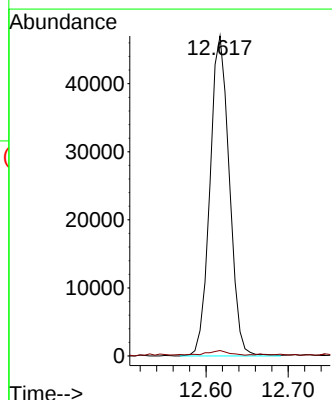
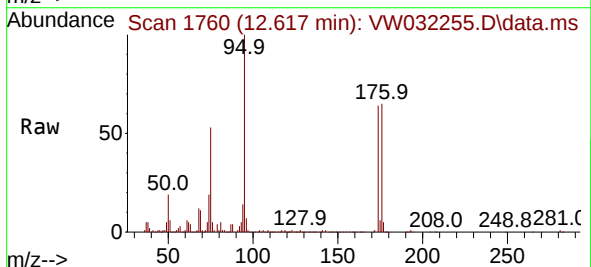
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

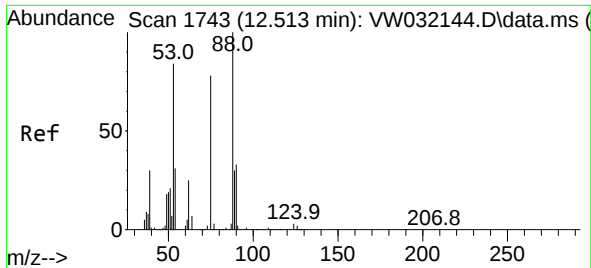
Tgt Ion:152 Resp: 166084
 Ion Ratio Lower Upper
 152 100
 115 63.8 31.8 95.4
 150 163.2 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 37.050 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032255.D
 Acq: 24 Sep 2025 19:24

Tgt Ion: 75 Resp: 77090
 Ion Ratio Lower Upper
 75 100
 77 1.9 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.756 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032255.D
Acq: 24 Sep 2025 19:24

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	91.0	136.6#
89	0.1	39.4	59.2#

