

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032155.D
 Acq On : 28 Aug 2025 13:42
 Operator : SY/MD
 Sample : Q2971-13
 Misc : 5.32g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP1

Quant Time: Aug 29 01:18:48 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	161838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	325264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	323816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	124565	53.819	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	107.640%
35) Dibromofluoromethane	7.898	113	110974	48.630	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.260%
50) Toluene-d8	10.325	98	383853	47.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.840%
62) 4-Bromofluorobenzene	12.617	95	141396	47.731	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.460%

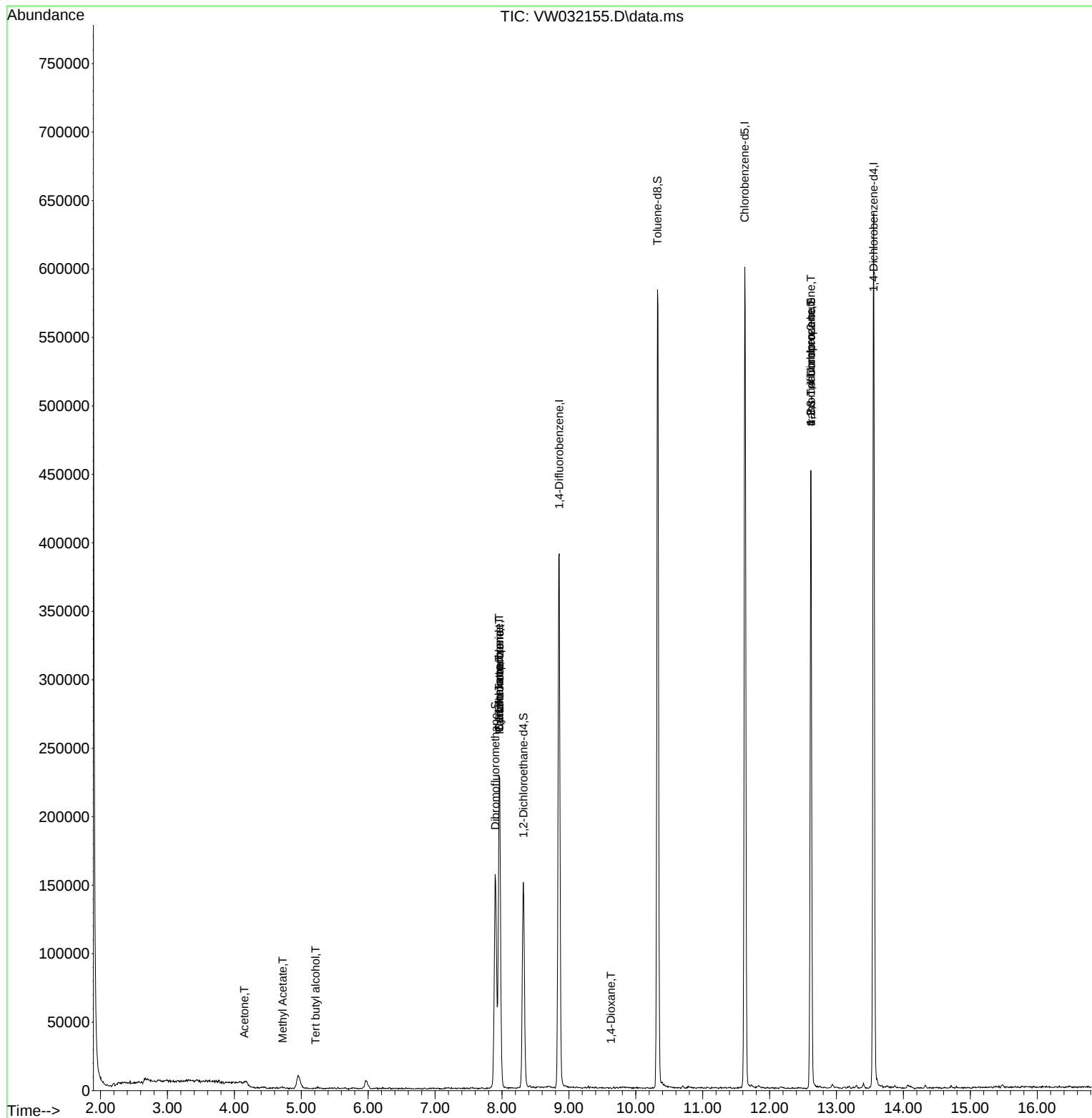
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.216	59	187	1.321	ug/l #	69
16) Acetone	4.149	43	885	1.766	ug/l #	67
18) Methyl Acetate	4.722	43	2151	1.347	ug/l	96
31) Cyclohexane	7.959	56	4276	1.505	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	13895	4.696	ug/l #	49
38) Carbon Tetrachloride	7.959	117	18458	5.819	ug/l #	16
49) 1,4-Dioxane	9.630	88	19	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	76618	39.099	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	76618	105.272	ug/l #	5

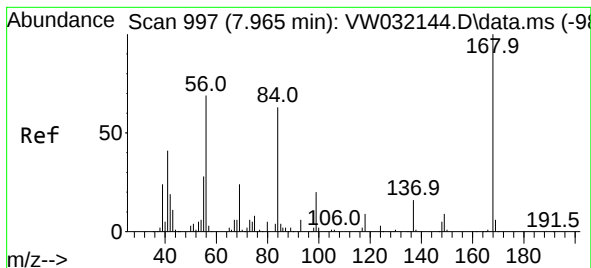
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW032155.D

Acq: 28 Aug 2025 13:42

Instrument :

MSVOA_W

ClientSampleId :

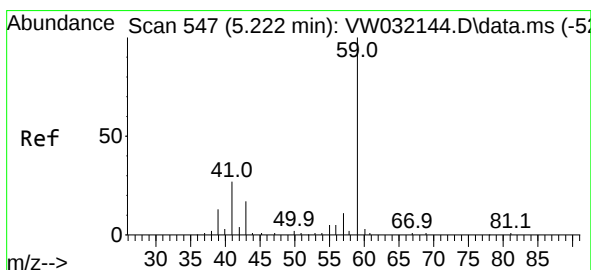
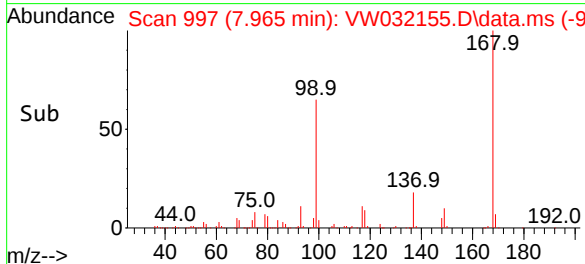
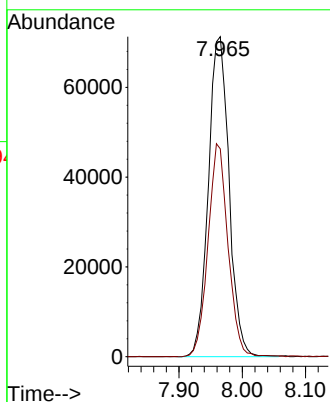
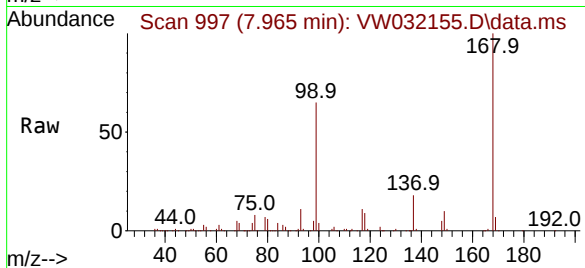
TP1

Tgt Ion:168 Resp: 161838

Ion Ratio Lower Upper

168 100

99 64.9 49.3 73.9



#11

Tert butyl alcohol

Concen: 1.321 ug/l

RT: 5.216 min Scan# 546

Delta R.T. -0.006 min

Lab File: VW032155.D

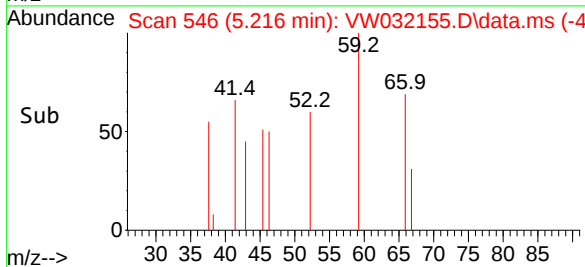
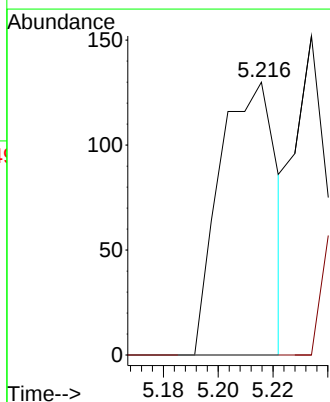
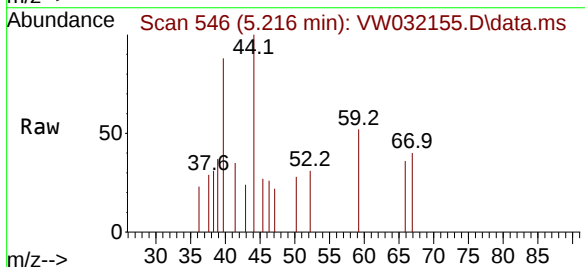
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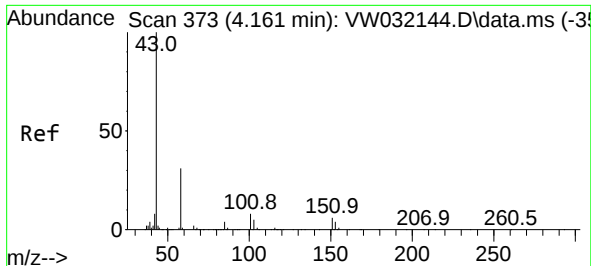
Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 9.8 14.6#

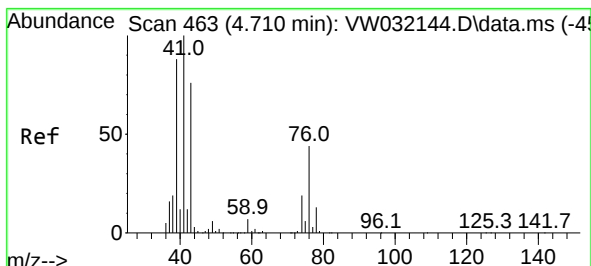
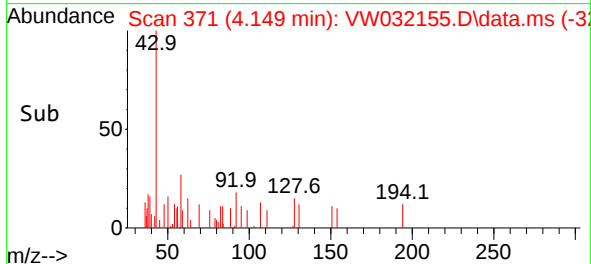
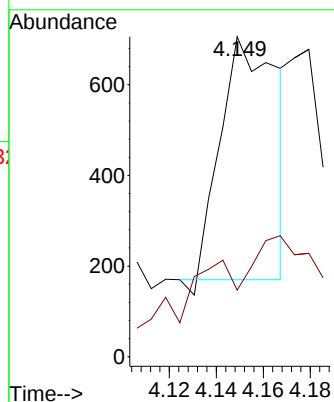
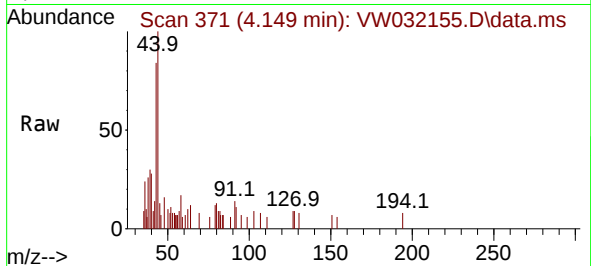




#16
Acetone
Concen: 1.766 ug/l
RT: 4.149 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

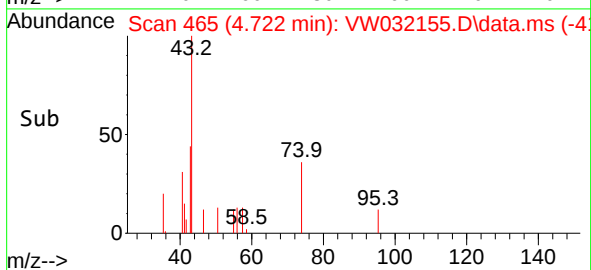
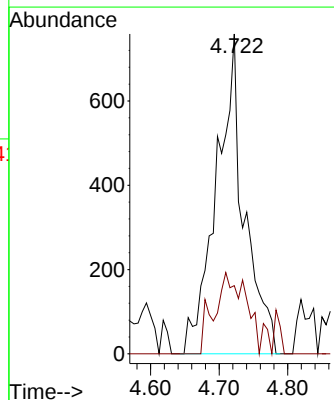
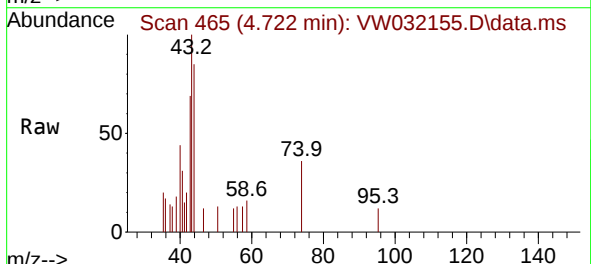
Instrument :
MSVOA_W
ClientSampleId :
TP1

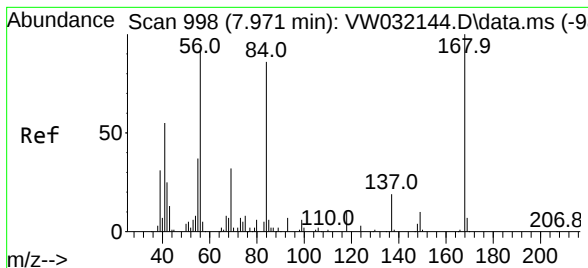
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 13.4 25.3 37.9#



#18
Methyl Acetate
Concen: 1.347 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
74 23.4 20.2 30.4

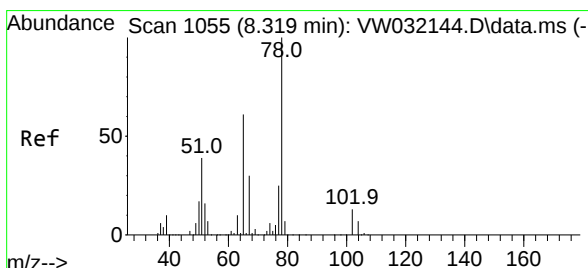
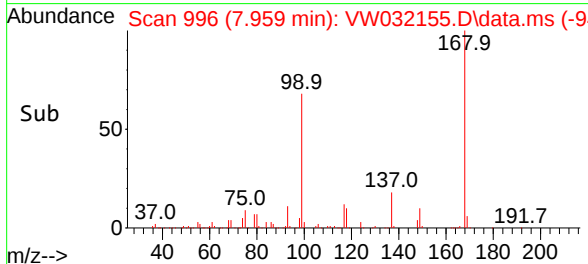
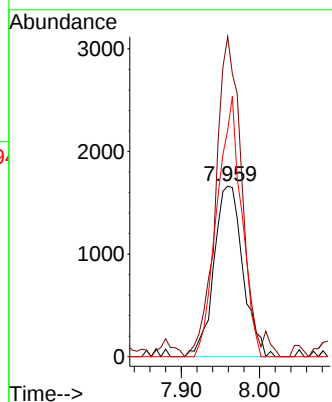
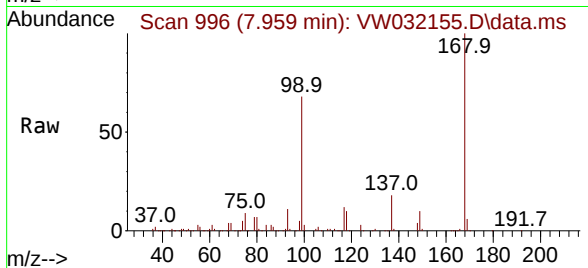




#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

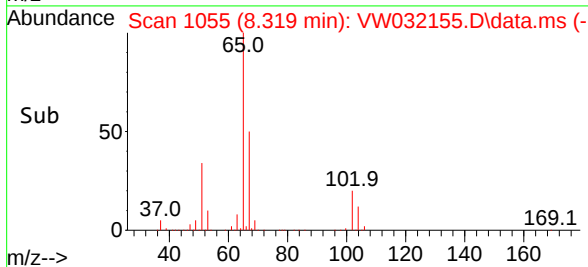
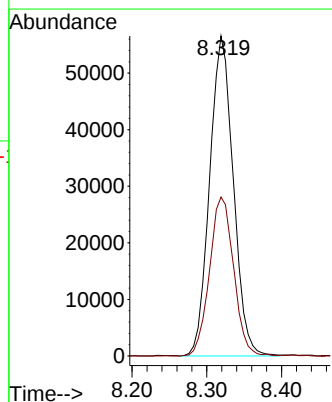
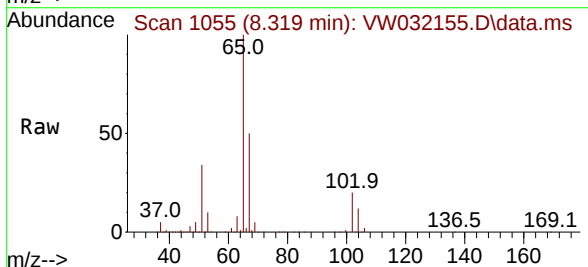
Instrument :
MSVOA_W
ClientSampleId :
TP1

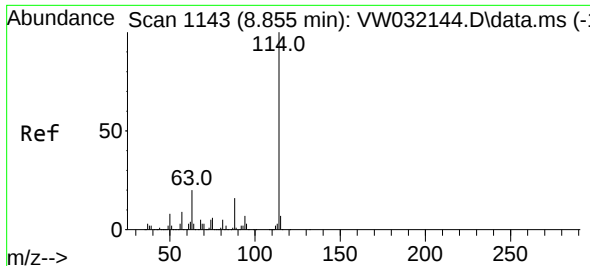
Tgt Ion: 56 Resp: 4276
Ion Ratio Lower Upper
56 100
69 187.6 27.7 41.5#
84 133.0 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 53.819 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

Tgt Ion: 65 Resp: 124565
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.6

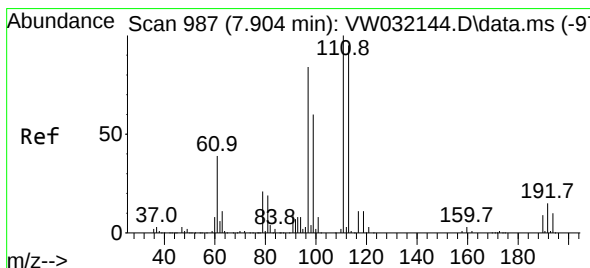
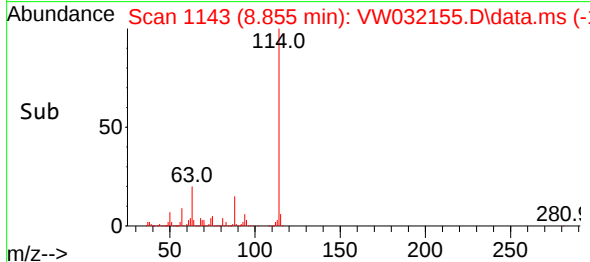
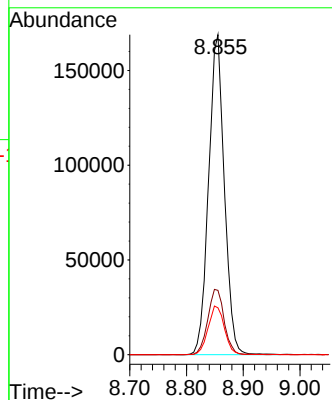
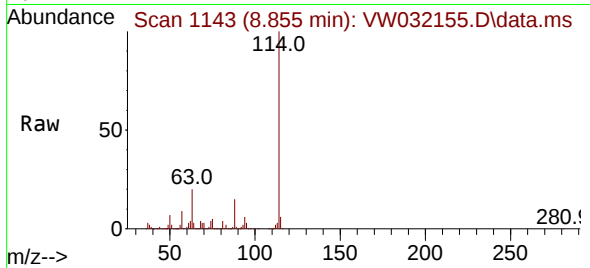




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032155.D
 Acq: 28 Aug 2025 13:42

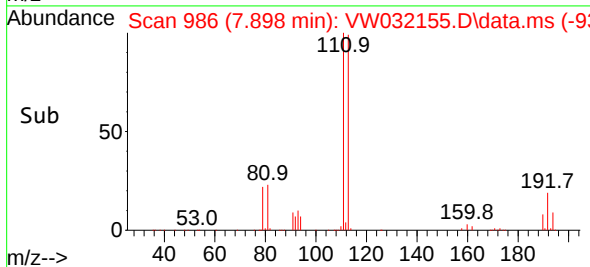
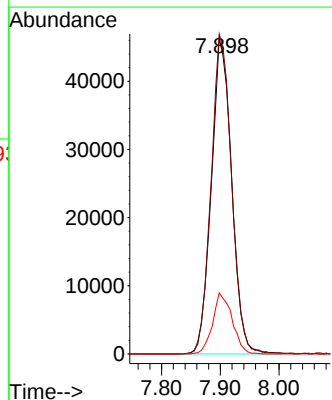
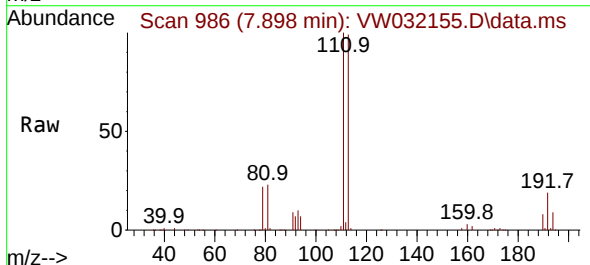
Instrument :
 MSVOA_W
 ClientSampleId :
 TP1

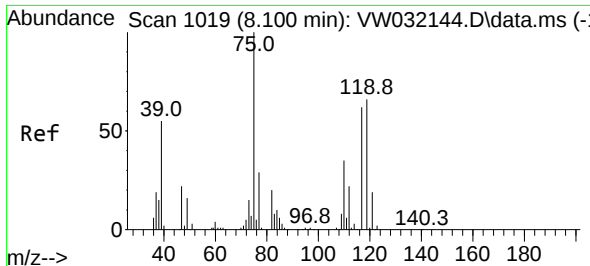
Tgt Ion:114 Resp: 325264
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.4
 88 14.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 48.630 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032155.D
 Acq: 28 Aug 2025 13:42

Tgt Ion:113 Resp: 110974
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.9 125.9
 192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032155.D

Acq: 28 Aug 2025 13:42

Instrument :

MSVOA_W

ClientSampleId :

TP1

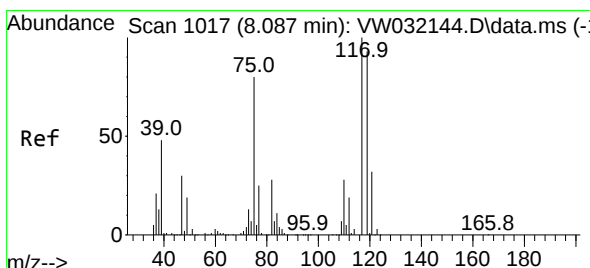
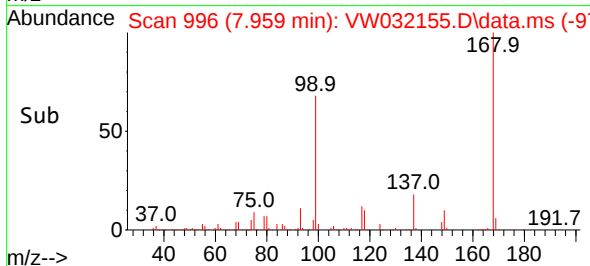
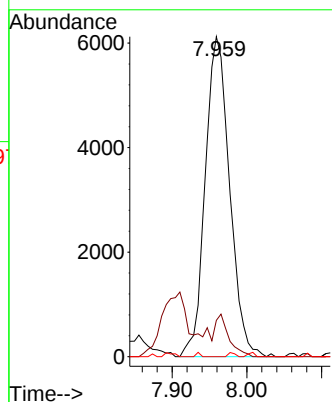
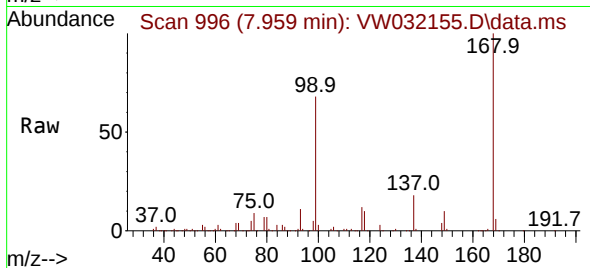
Tgt Ion: 75 Resp: 13895

Ion Ratio Lower Upper

75 100

110 7.4 17.5 52.5#

77 0.4 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.819 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032155.D

Acq: 28 Aug 2025 13:42

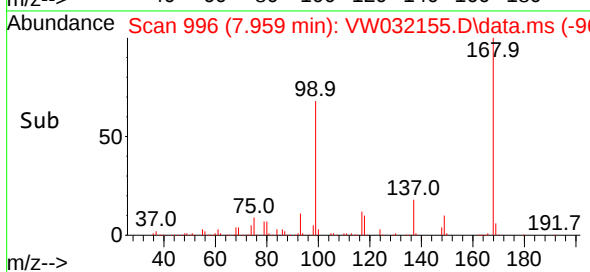
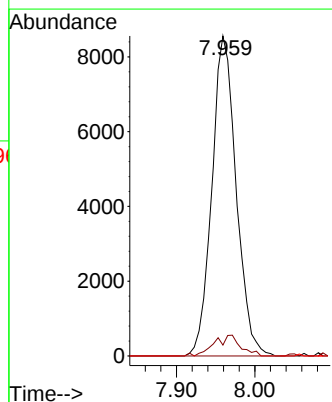
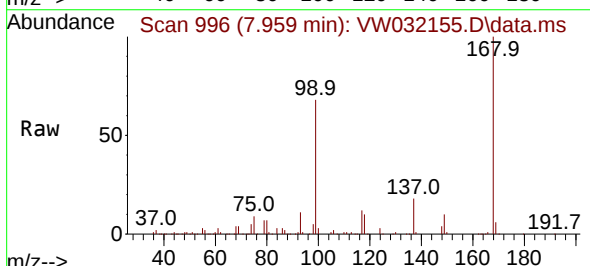
Tgt Ion: 117 Resp: 18458

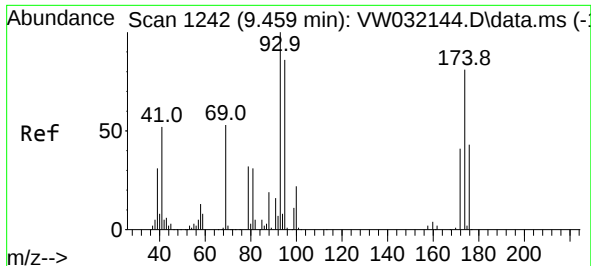
Ion Ratio Lower Upper

117 100

119 3.4 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.017 ug/l

RT: 9.630 min Scan# 1270

Delta R.T. 0.171 min

Lab File: VW032155.D

Acq: 28 Aug 2025 13:42

Instrument :

MSVOA_W

ClientSampleId :

TP1

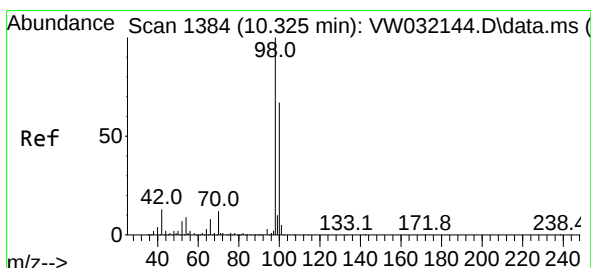
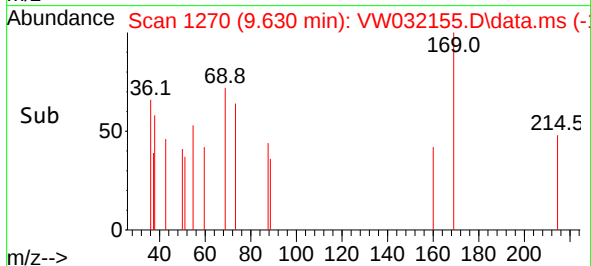
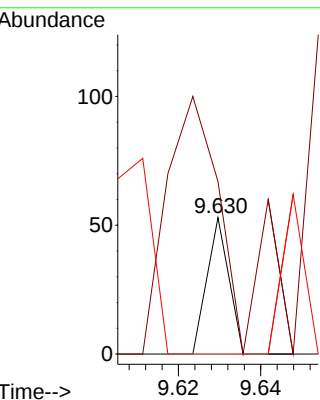
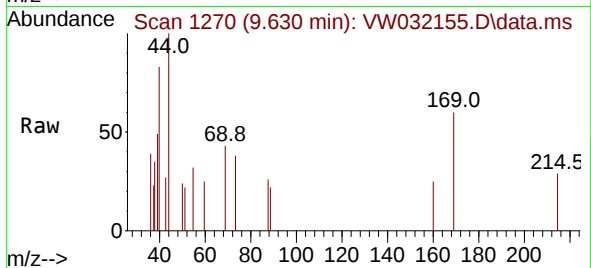
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 457.9 18.0 27.0#

58 278.9 55.4 83.0#



#50

Toluene-d8

Concen: 47.915 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032155.D

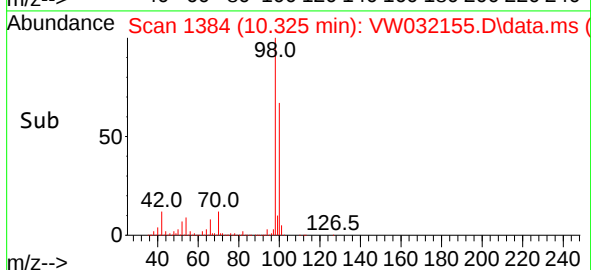
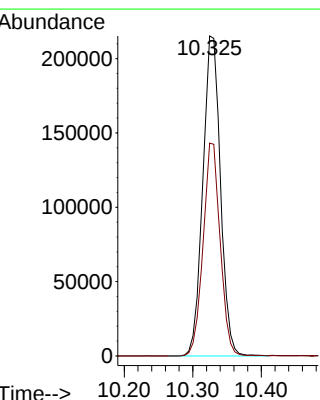
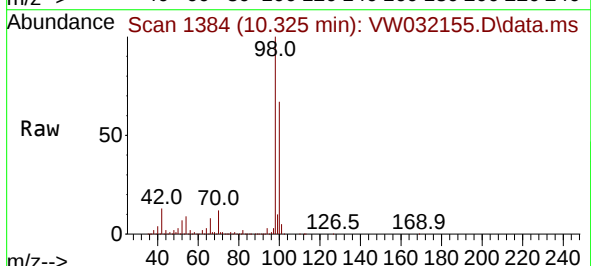
Acq: 28 Aug 2025 13:42

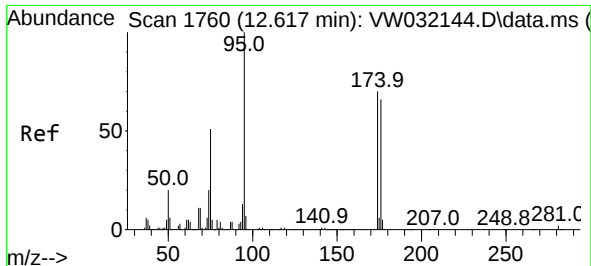
Tgt Ion: 98 Resp: 383853

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2

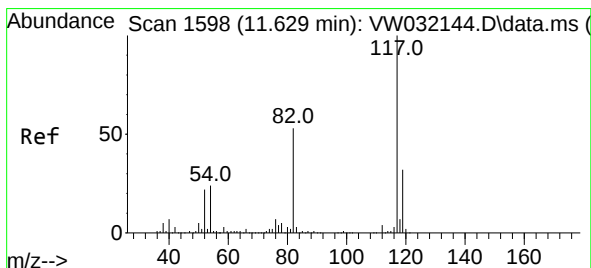
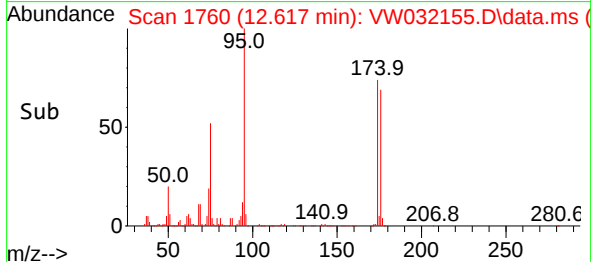
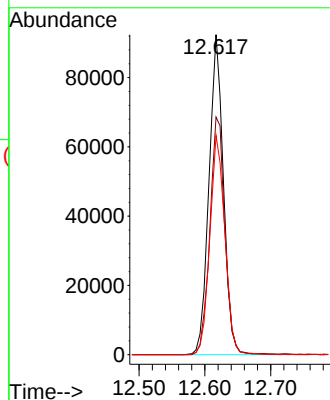
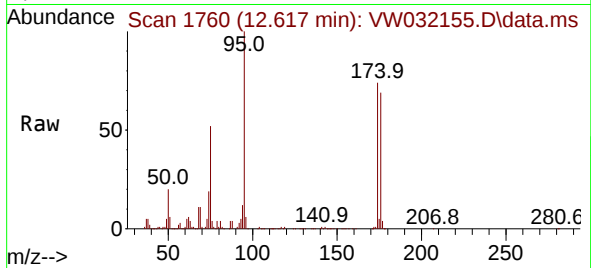




#62
4-Bromofluorobenzene
Concen: 47.731 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

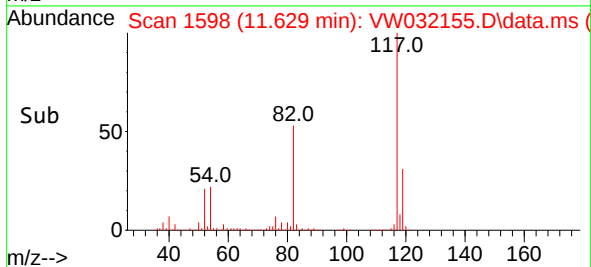
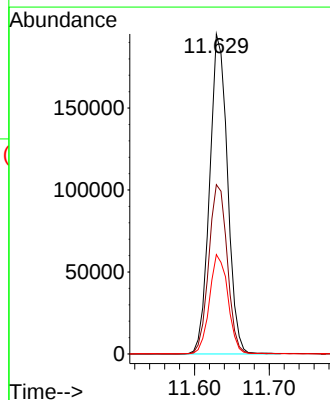
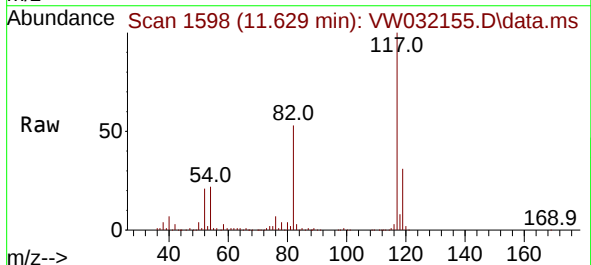
Instrument :
MSVOA_W
ClientSampleId :
TP1

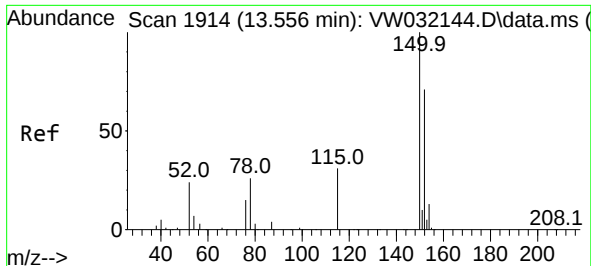
Tgt Ion: 95 Resp: 141396
Ion Ratio Lower Upper
95 100
174 77.1 0.0 145.6
176 71.3 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

Tgt Ion: 117 Resp: 323816
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 31.0 25.2 37.8

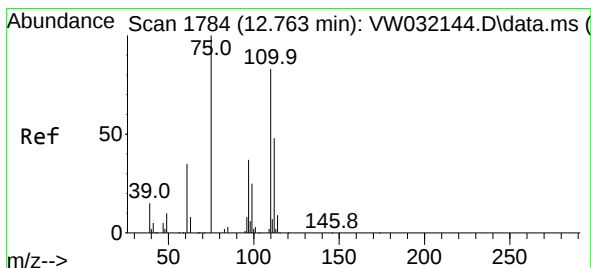
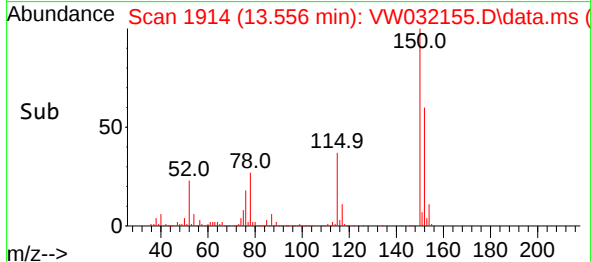
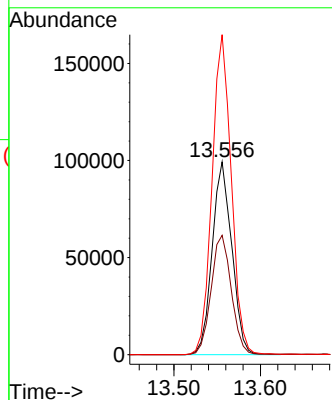
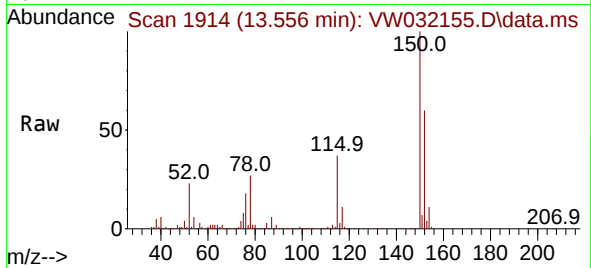




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

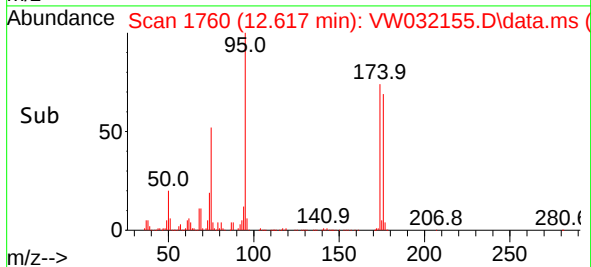
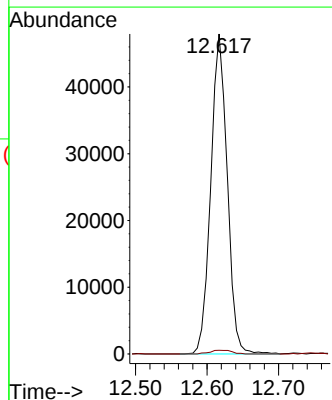
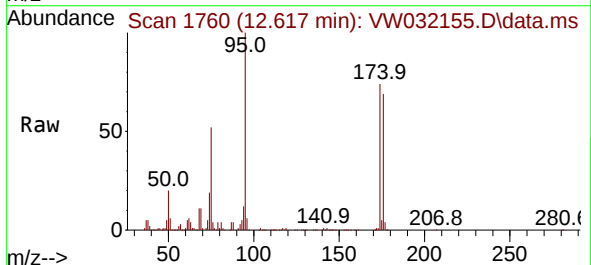
Instrument :
MSVOA_W
ClientSampleId :
TP1

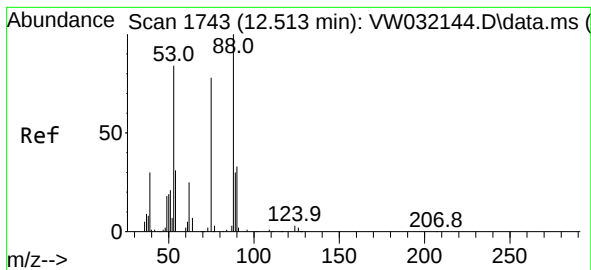
Tgt Ion:152 Resp: 156418
Ion Ratio Lower Upper
152 100
115 63.7 31.8 95.4
150 162.6 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 39.099 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

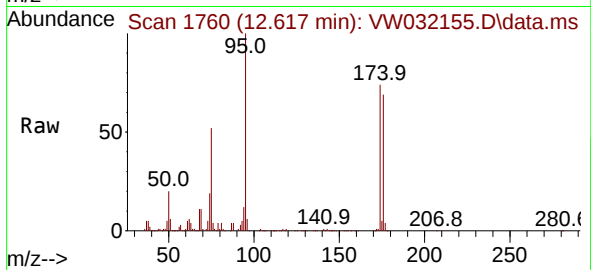
Tgt Ion: 75 Resp: 76618
Ion Ratio Lower Upper
75 100
77 1.6 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.272 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:42

Instrument :
MSVOA_W
ClientSampleId :
TP1



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	91.0	136.6#
89	0.0	39.4	59.2#

