

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032012.D
 Acq On : 05 Aug 2025 14:59
 Operator : SY/MD
 Sample : Q2774-05
 Misc : 5.09g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 R5

Quant Time: Aug 06 03:54:58 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)

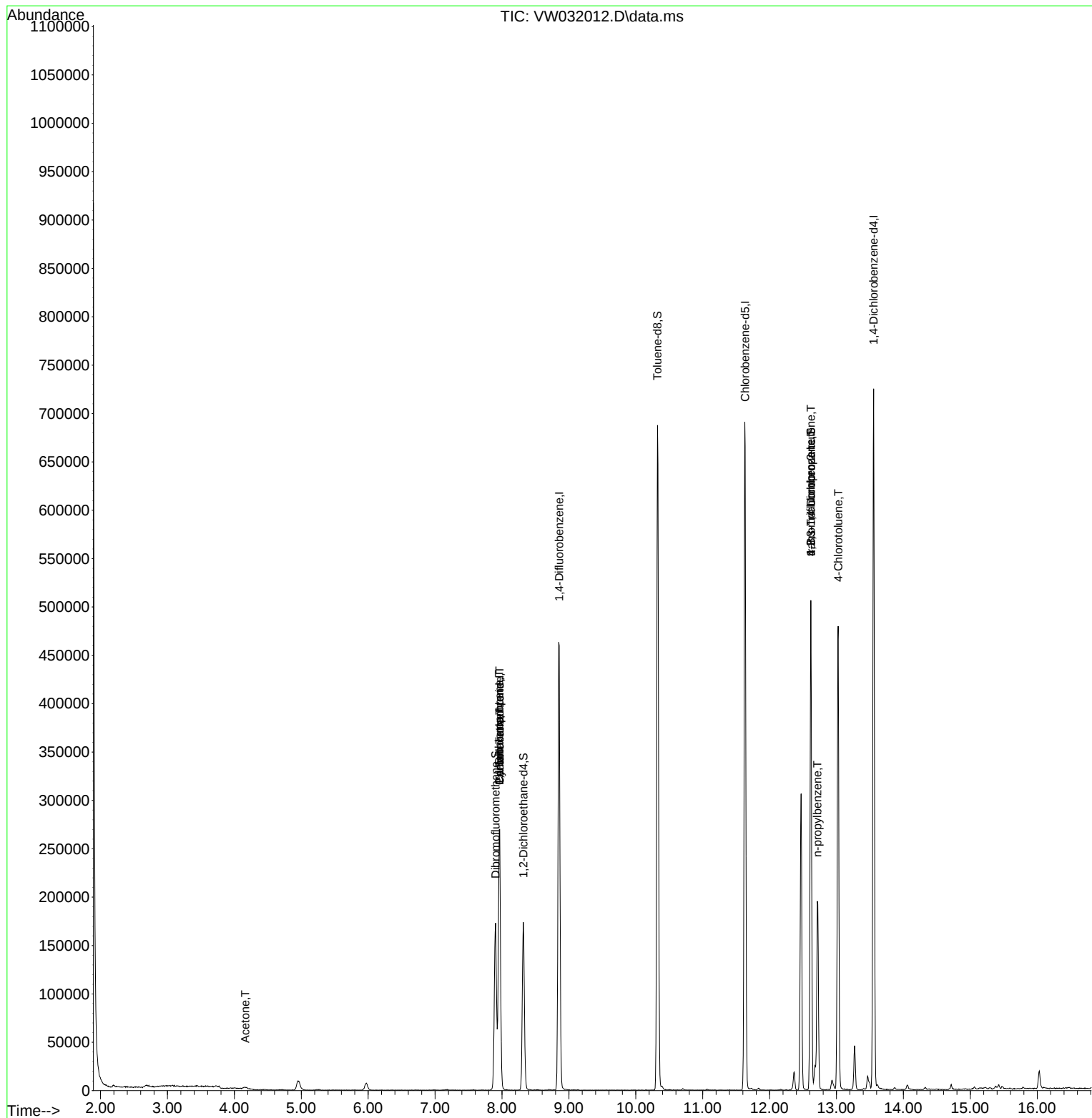
Internal Standards						
1) Pentafluorobenzene	7.965	168	186769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	395253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	382509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143644	50.841	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 101.680%		
35) Dibromofluoromethane	7.904	113	126597	47.136	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 94.280%		
50) Toluene-d8	10.325	98	466314	45.875	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.740%		
62) 4-Bromofluorobenzene	12.617	95	180185	46.164	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.320%		
Target Compounds						
					Qvalue	
13) Acrolein	3.942	56	44	Below Cal	#	1
16) Acetone	4.161	43	2382	3.553	ug/l	90
20) Methylene Chloride	4.948	84	8648	Below Cal		97
31) Cyclohexane	7.965	56	4653	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17538	4.252	ug/l #	50
38) Carbon Tetrachloride	7.965	117	21139	5.340	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	90223	35.699	ug/l #	100
78) n-propylbenzene	12.715	91	25297	1.297	ug/l #	58
81) trans-1,4-Dichloro-2-b...	12.617	75	90223	82.419	ug/l #	8
82) 4-Chlorotoluene	13.025	91	58070	4.753	ug/l #	43

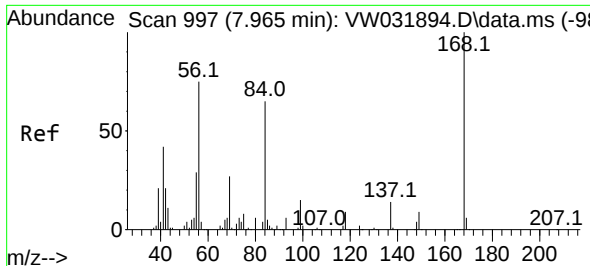
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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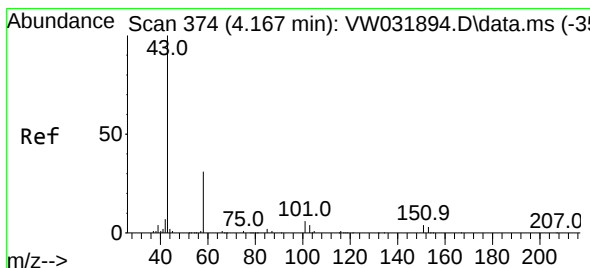
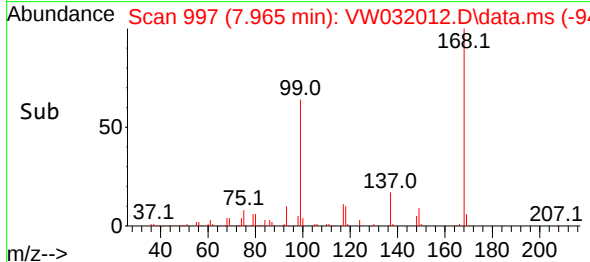
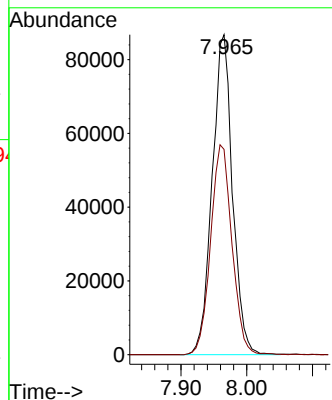
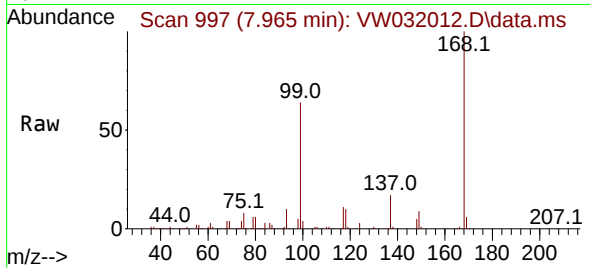




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

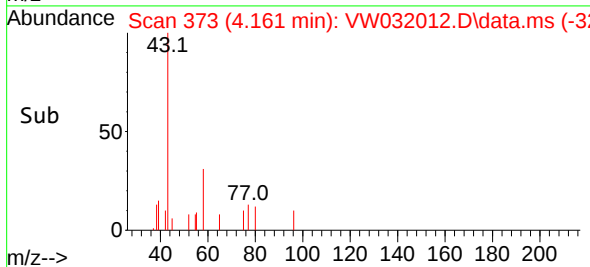
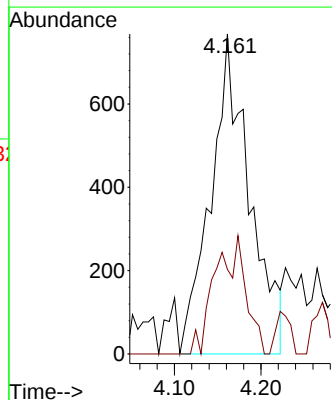
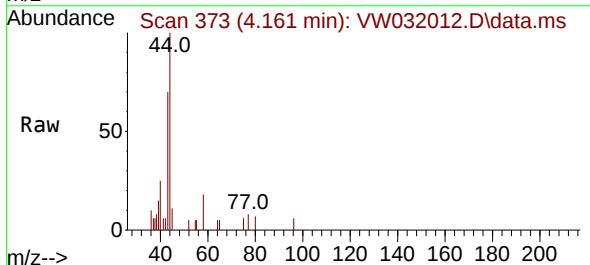
Instrument :
MSVOA_W
ClientSampleId :
R5

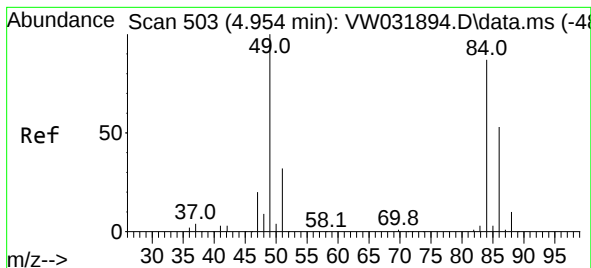
Tgt Ion:168 Resp: 186769
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.2



#16
Acetone
Concen: 3.553 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
58 26.4 25.5 38.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.948 min Scan# 503

Delta R.T. -0.006 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

R5

Tgt Ion: 84 Resp: 8648

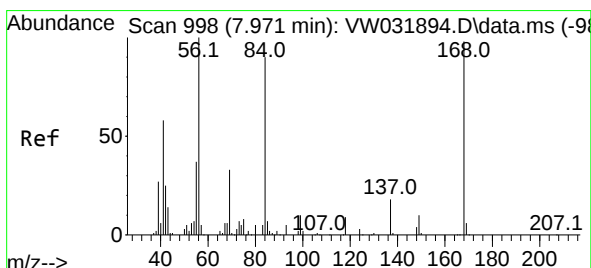
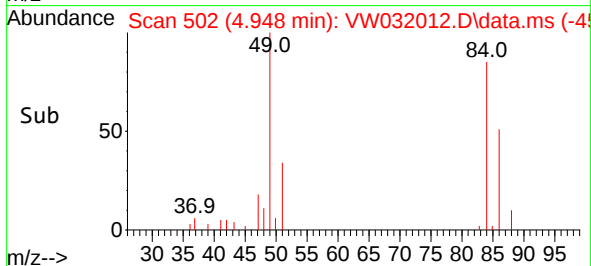
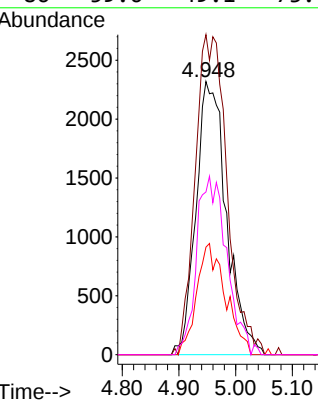
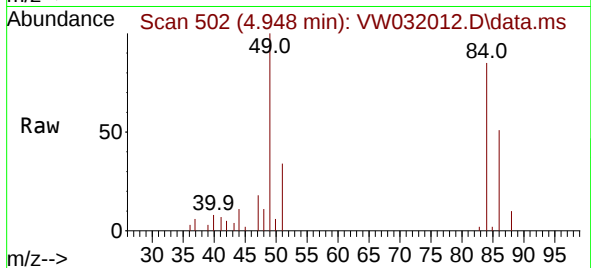
Ion Ratio Lower Upper

84 100

49 117.2 91.9 137.9

51 39.4 29.0 43.6

86 59.6 49.1 73.7



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

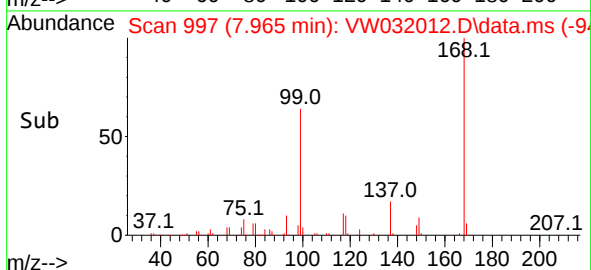
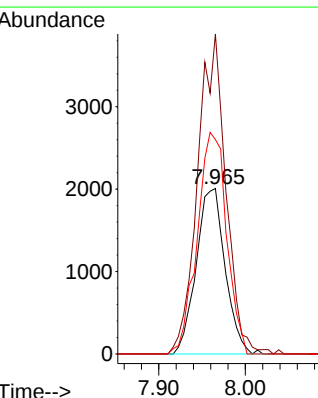
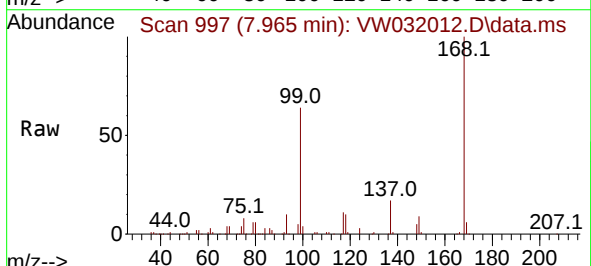
Tgt Ion: 56 Resp: 4653

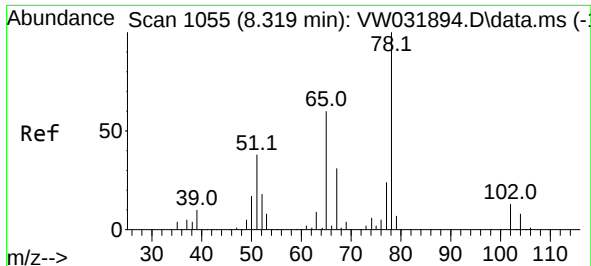
Ion Ratio Lower Upper

56 100

69 193.4 26.7 40.1#

84 129.6 71.8 107.6#

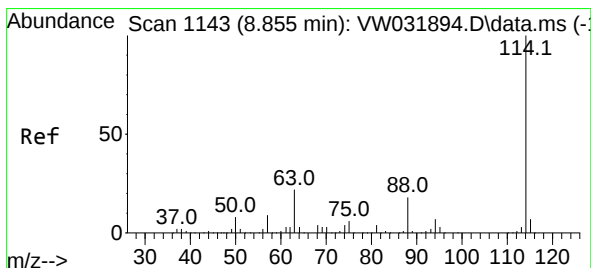
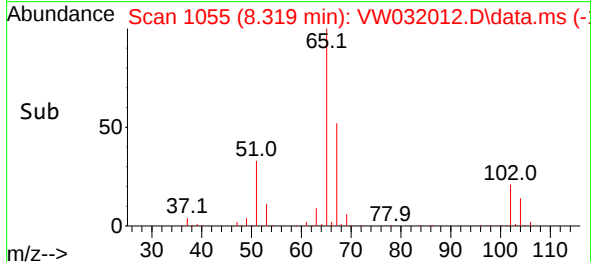
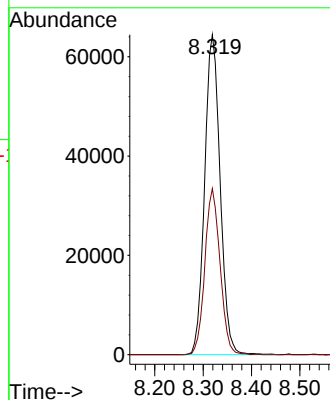
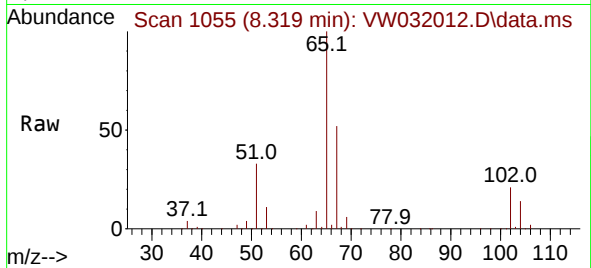




#33
 1,2-Dichloroethane-d4
 Concen: 50.841 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032012.D
 Acq: 05 Aug 2025 14:59

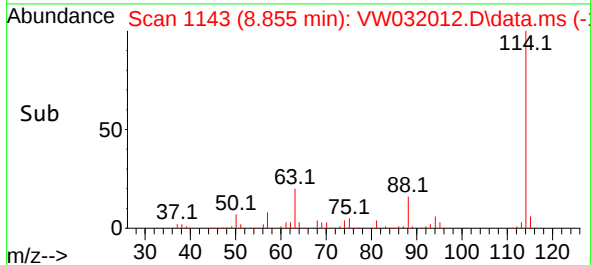
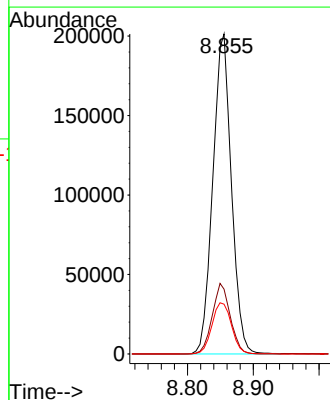
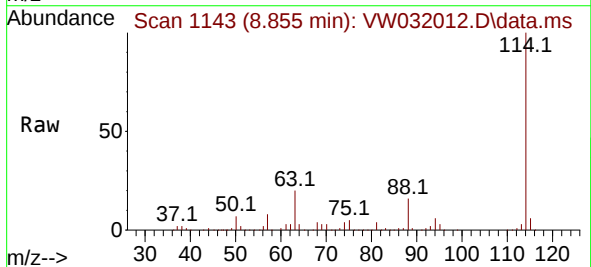
Instrument :
 MSVOA_W
 ClientSampleId :
 R5

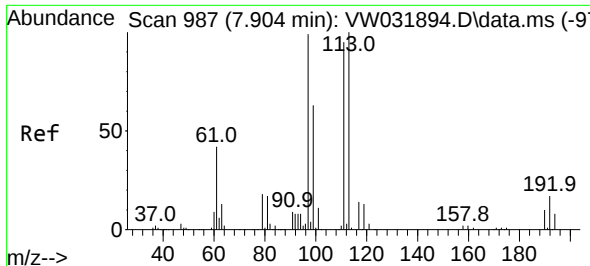
Tgt Ion: 65 Resp: 143644
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032012.D
 Acq: 05 Aug 2025 14:59

Tgt Ion: 114 Resp: 395253
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.2
 88 15.5 0.0 35.6

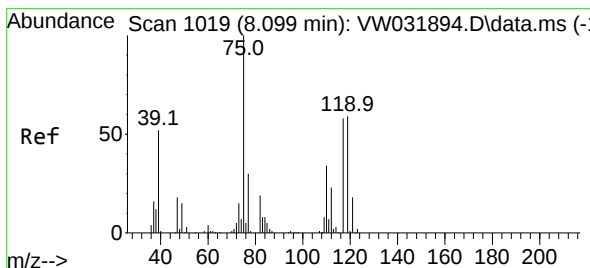
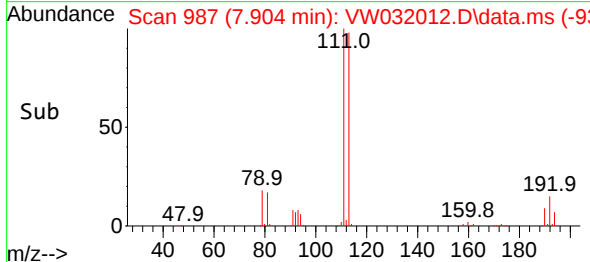
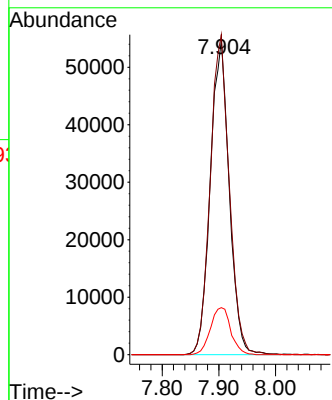
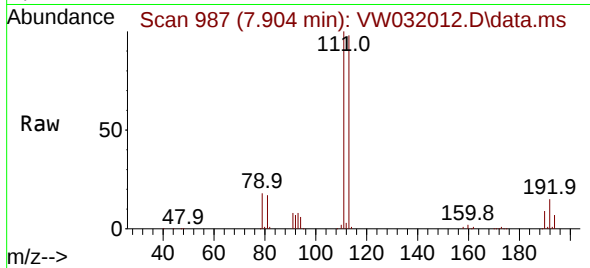




#35
Dibromofluoromethane
Concen: 47.136 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

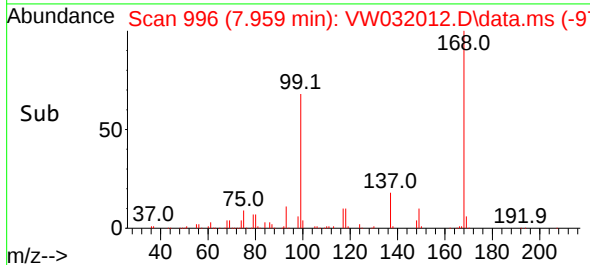
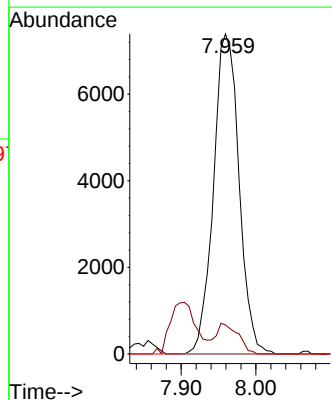
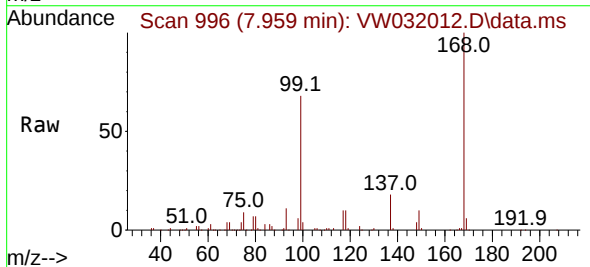
Instrument :
MSVOA_W
ClientSampleId :
R5

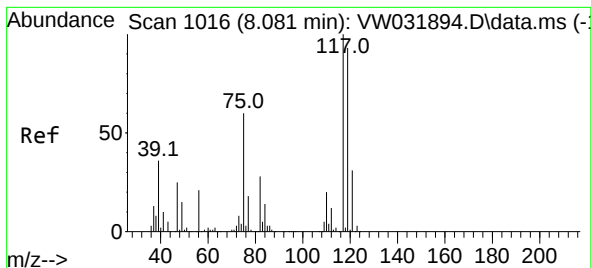
Tgt Ion:113 Resp: 126597
Ion Ratio Lower Upper
113 100
111 102.5 79.9 119.9
192 16.1 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion: 75 Resp: 17538
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.340 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

R5

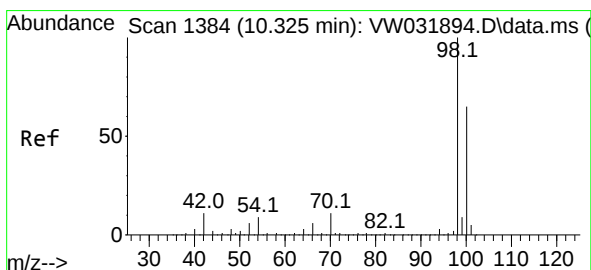
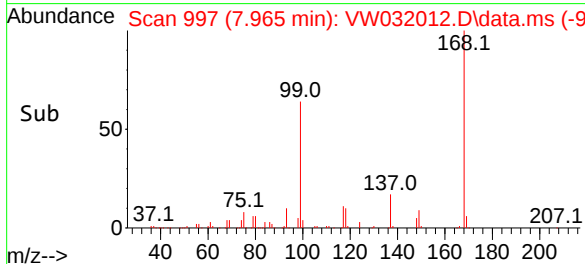
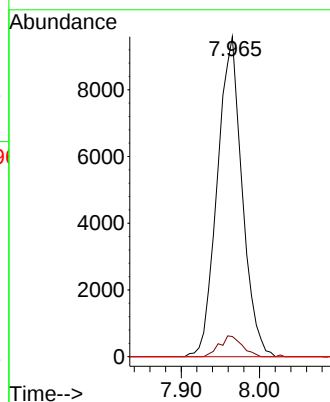
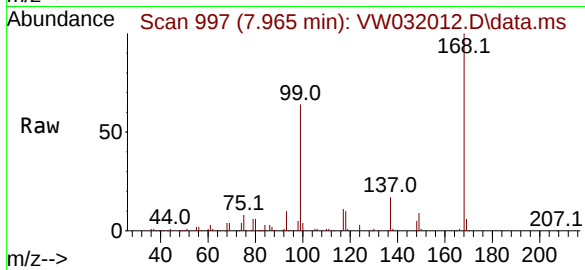
Tgt Ion:117 Resp: 21139

Ion Ratio Lower Upper

117 100

119 6.3 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 45.875 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032012.D

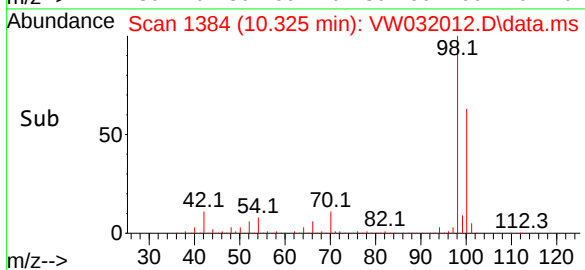
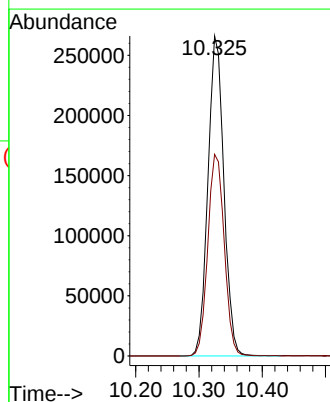
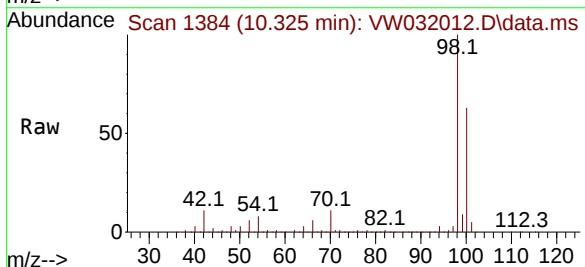
Acq: 05 Aug 2025 14:59

Tgt Ion: 98 Resp: 466314

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5

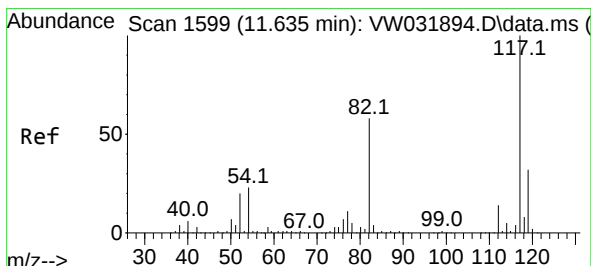
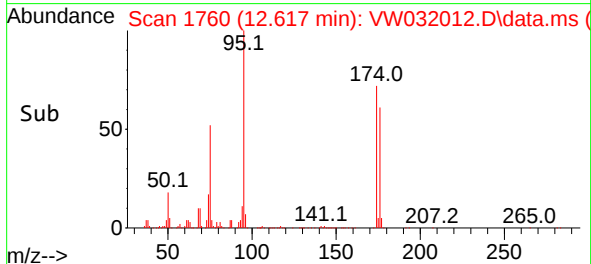
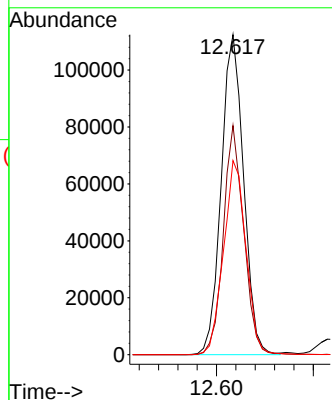
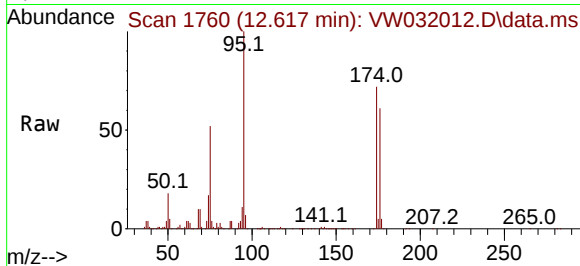




#62
4-Bromofluorobenzene
Concen: 46.164 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

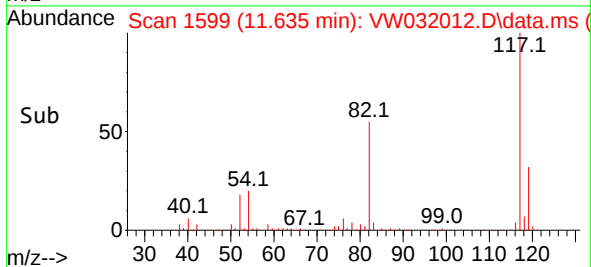
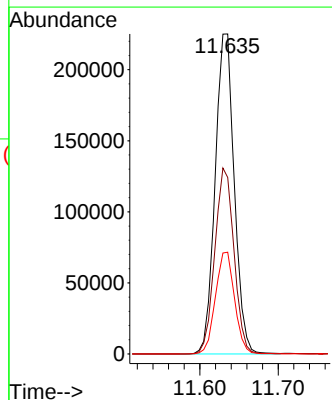
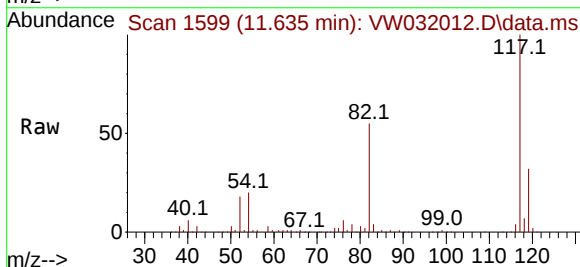
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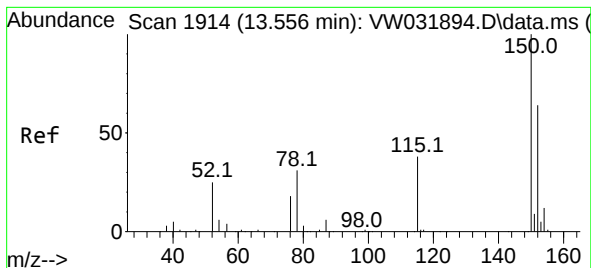
Tgt Ion:	95	Resp:	180185
Ion	Ratio	Lower	Upper
95	100		
174	65.3	0.0	129.8
176	61.0	0.0	130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion:	117	Resp:	382509
Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.5	69.7
119	31.8	25.8	38.6

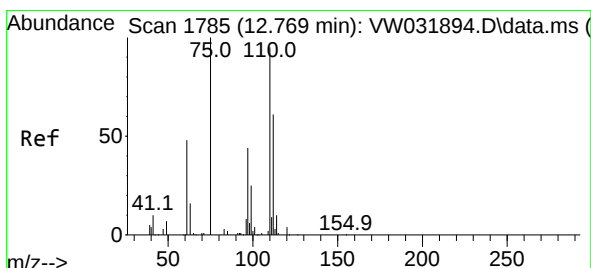
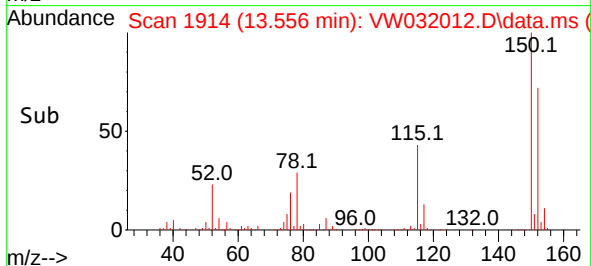
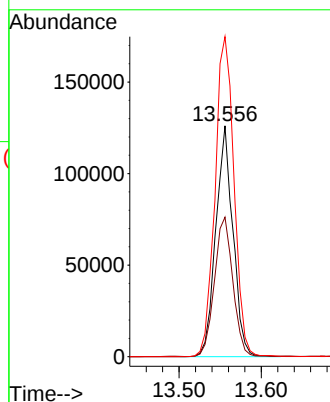
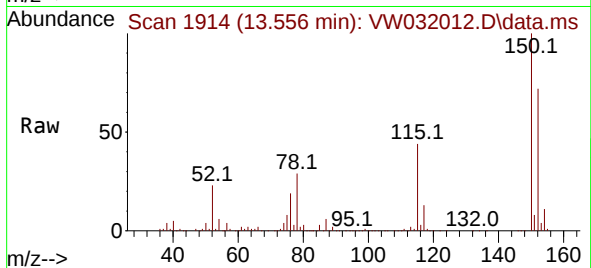




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

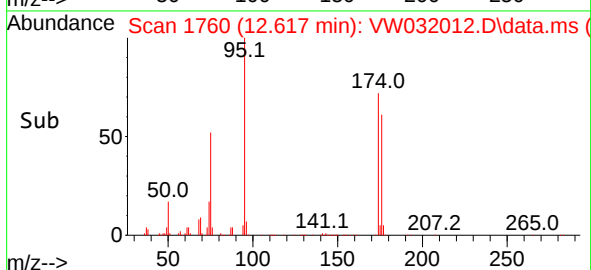
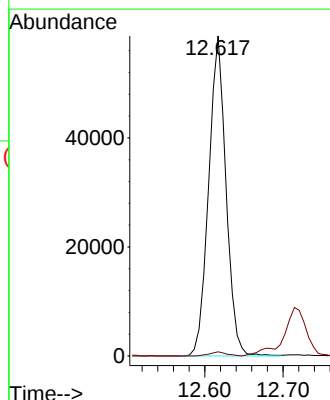
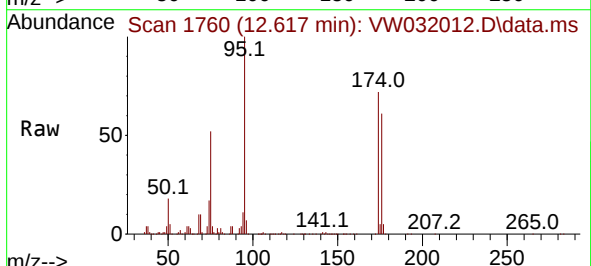
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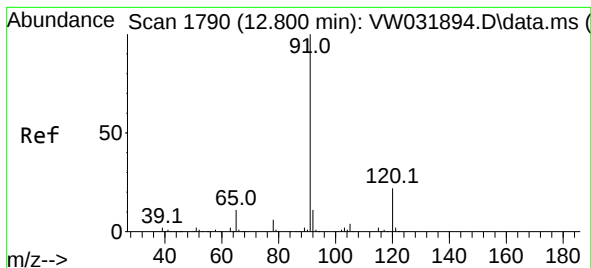
Tgt Ion:152 Resp: 183054
Ion Ratio Lower Upper
152 100
115 64.6 33.4 100.1
150 153.5 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 35.699 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032012.D
Acq: 05 Aug 2025 14:59

Tgt Ion: 75 Resp: 90223
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 1.297 ug/l

RT: 12.715 min Scan# 11

Delta R.T. -0.085 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

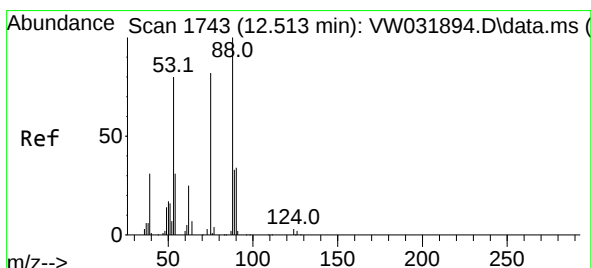
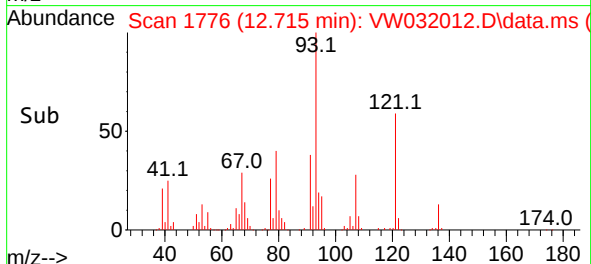
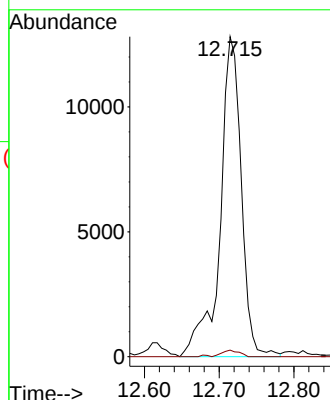
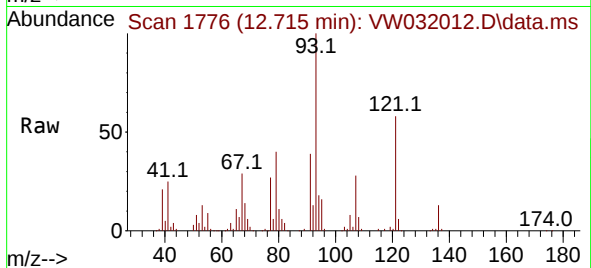
R5

Tgt Ion: 91 Resp: 25297

Ion Ratio Lower Upper

91 100

120 1.7 10.9 32.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.419 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032012.D

Acq: 05 Aug 2025 14:59

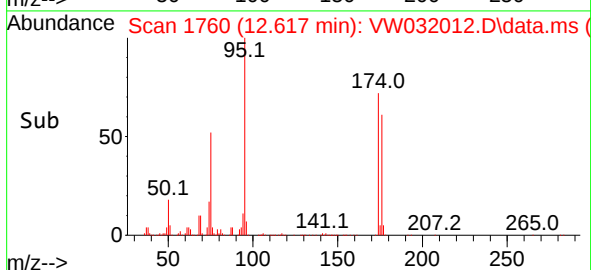
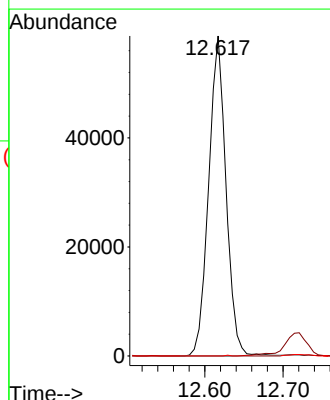
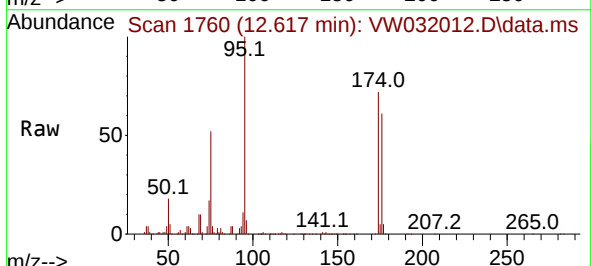
Tgt Ion: 75 Resp: 90223

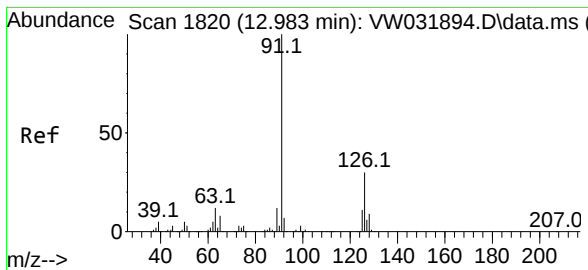
Ion Ratio Lower Upper

75 100

53 0.0 83.7 125.5#

89 0.1 39.0 58.6#





#82
 4-Chlorotoluene
 Concen: 4.753 ug/l
 RT: 13.025 min Scan# 11
 Delta R.T. 0.043 min
 Lab File: VW032012.D
 Acq: 05 Aug 2025 14:59

Instrument :
 MSVOA_W
 ClientSampleId :
 R5

Tgt Ion: 91 Resp: 58070
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.3#

