

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032032.D
 Acq On : 06 Aug 2025 16:34
 Operator : SY/MD
 Sample : Q2779-07
 Misc : 4.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-VOC

Quant Time: Aug 07 02:21:09 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)

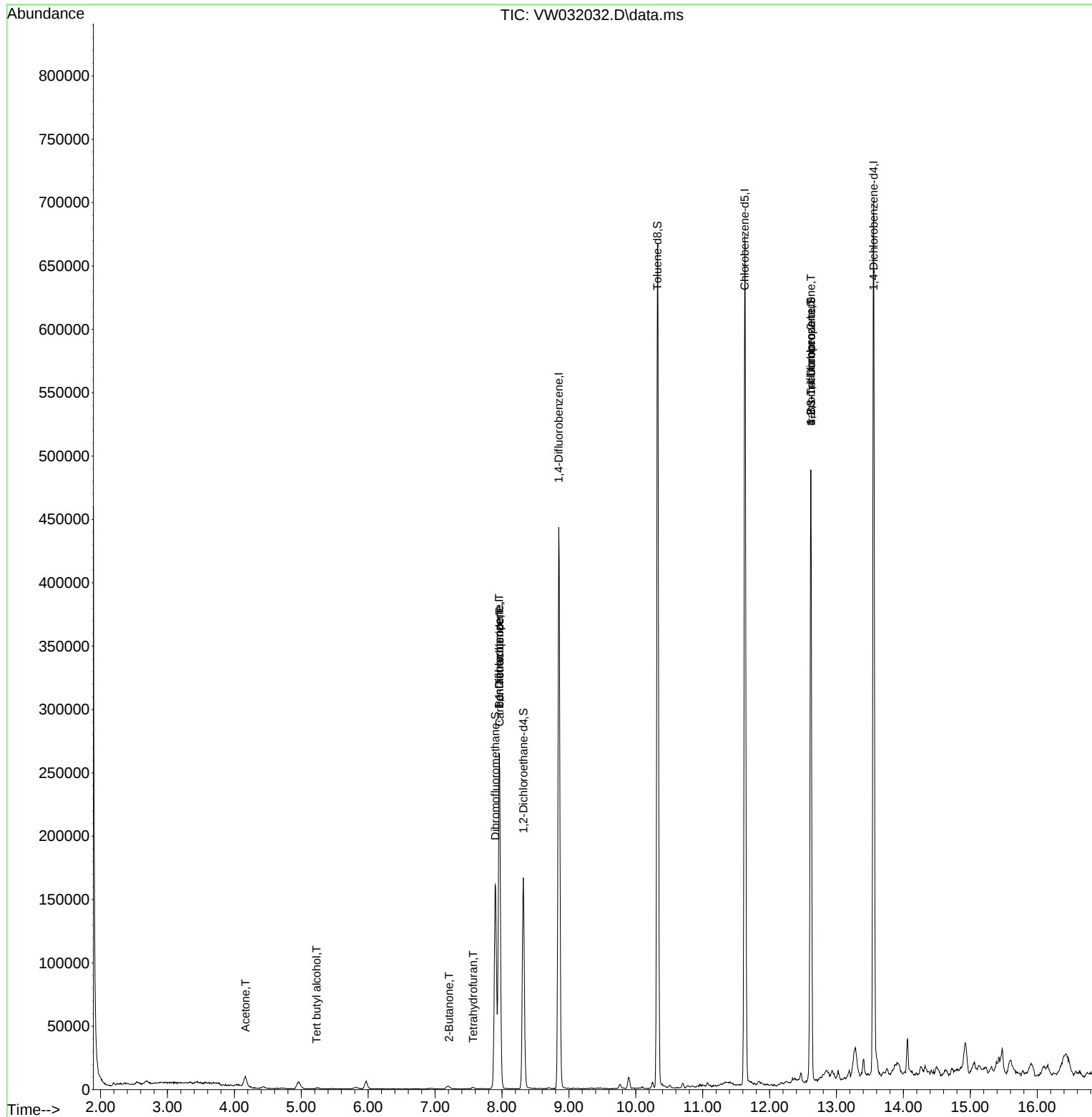
Internal Standards						
1) Pentafluorobenzene	7.959	168	184138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	374065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134131	48.153	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	96.300%	
35) Dibromofluoromethane	7.898	113	117463	46.212	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	92.420%	
50) Toluene-d8	10.325	98	447215	46.488	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	92.980%	
62) 4-Bromofluorobenzene	12.617	95	175642	47.549	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	95.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	216	1.319	ug/l #	72
13) Acrolein	3.954	56	260	Below Cal	#	71
16) Acetone	4.167	43	13173	19.929	ug/l	89
20) Methylene Chloride	4.960	84	5432	Below Cal		99
25) 2-Butanone	7.209	43	3139	3.471	ug/l #	86
29) Tetrahydrofuran	7.569	42	1002	1.690	ug/l #	87
36) 1,1-Dichloropropene	7.959	75	16341	4.186	ug/l #	50
38) Carbon Tetrachloride	7.965	117	20935	5.588	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	91095	36.407	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	91095	84.055	ug/l #	8

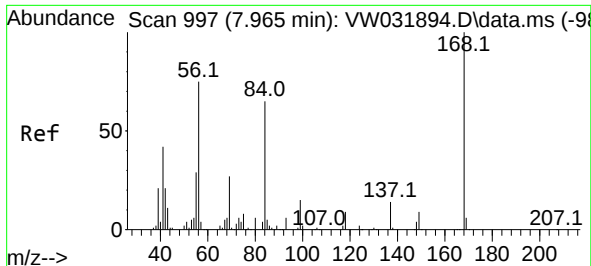
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 4.02g/5mL/MSVOA_W/SOIL/A
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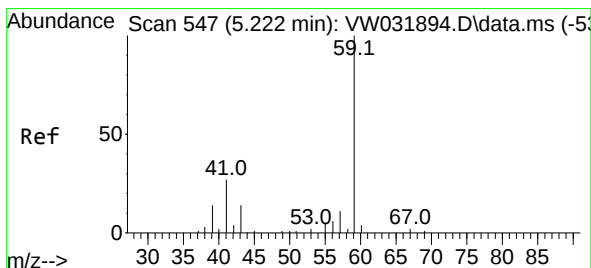
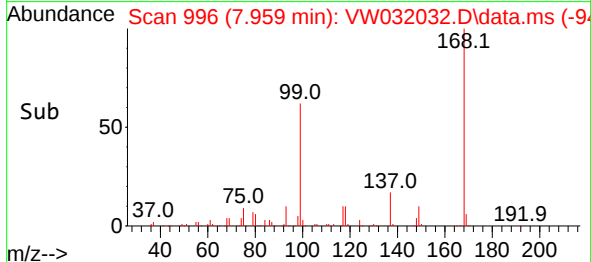
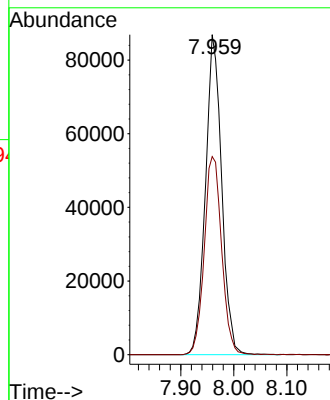
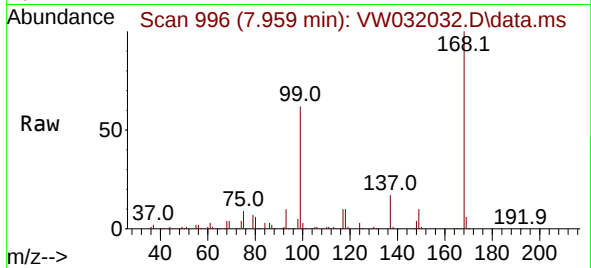




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

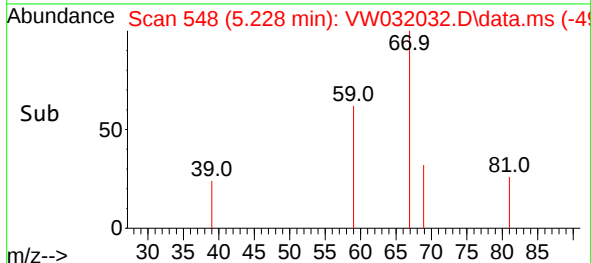
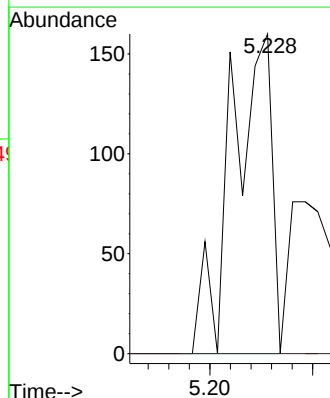
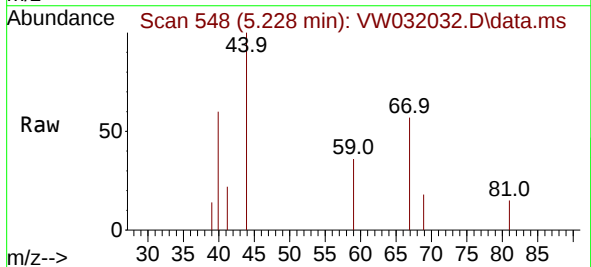
Instrument :
MSVOA_W
ClientSampleId :
TP-5-VOC

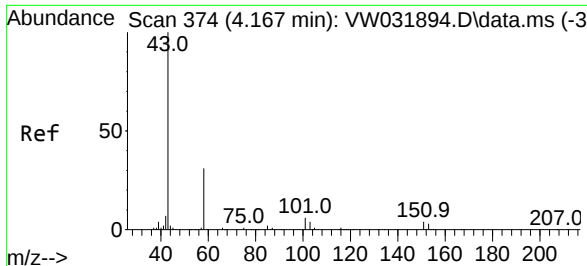
Tgt Ion:168 Resp: 184138
Ion Ratio Lower Upper
168 100
99 61.9 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.319 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8

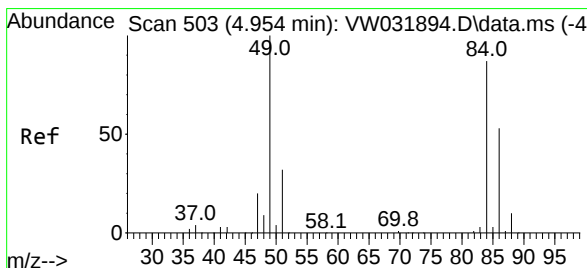
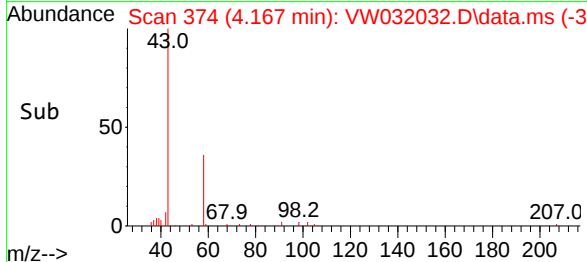
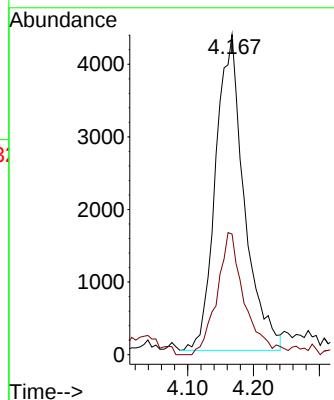
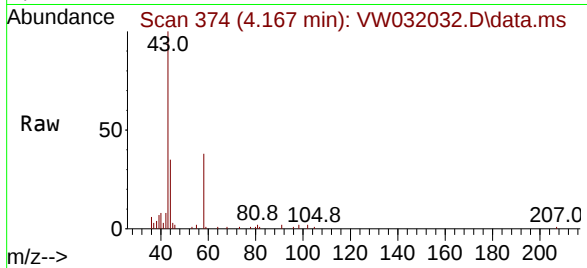




#16
Acetone
Concen: 19.929 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

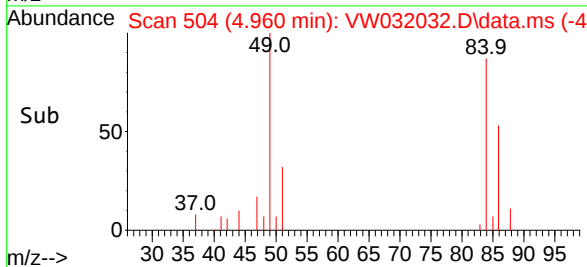
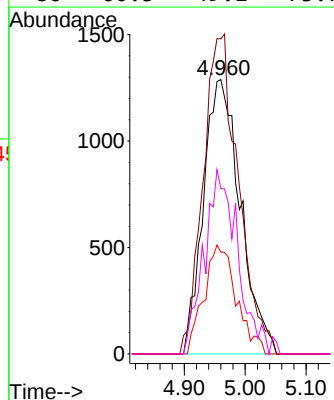
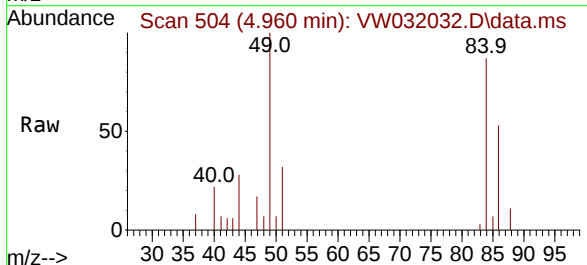
Instrument :
MSVOA_W
ClientSampleId :
TP-5-VOC

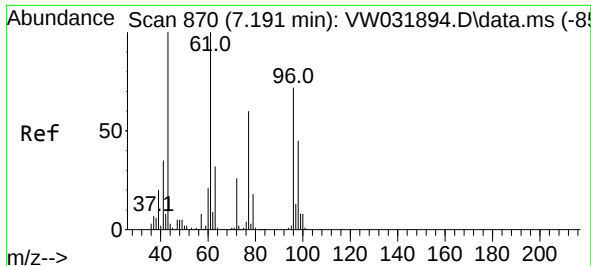
Tgt Ion: 43 Resp: 13173
Ion Ratio Lower Upper
43 100
58 38.2 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 84 Resp: 5432
Ion Ratio Lower Upper
84 100
49 114.8 91.9 137.9
51 37.2 29.0 43.6
86 60.3 49.1 73.7

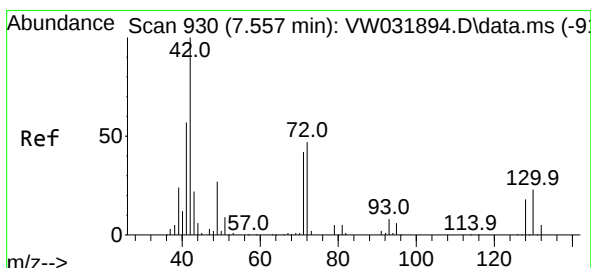
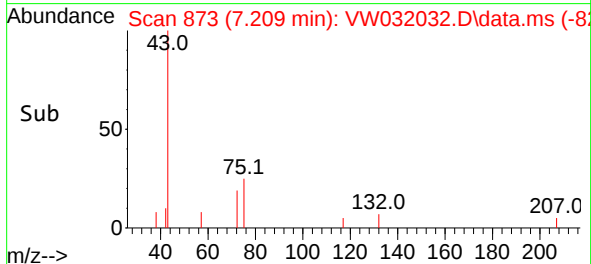
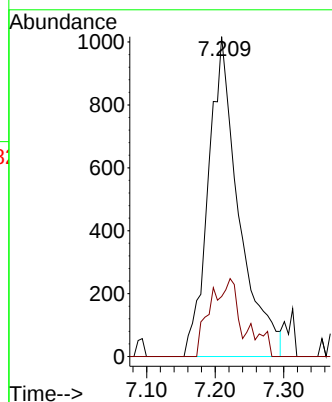
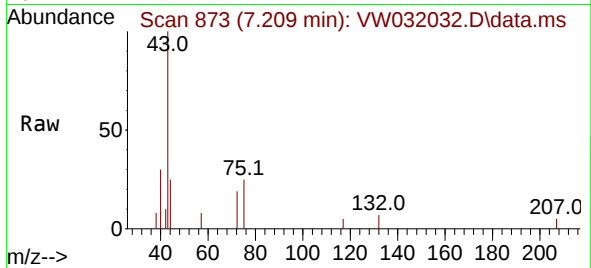




#25
2-Butanone
Concen: 3.471 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

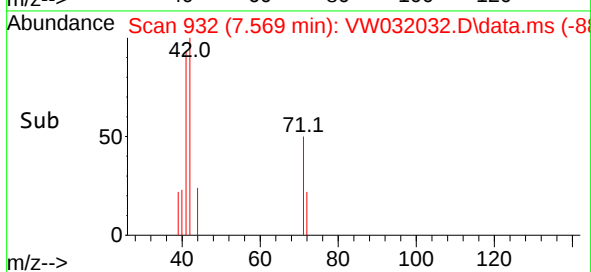
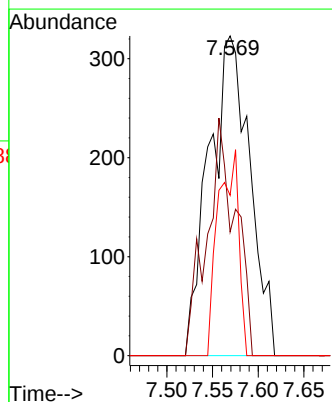
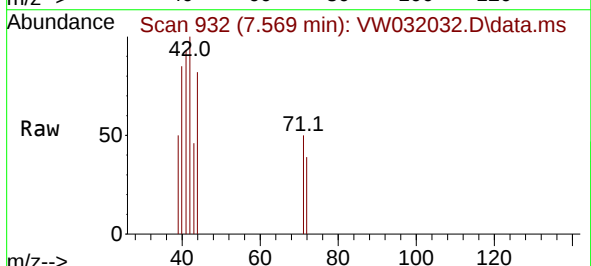
Instrument :
MSVOA_W
ClientSampleId :
TP-5-VOC

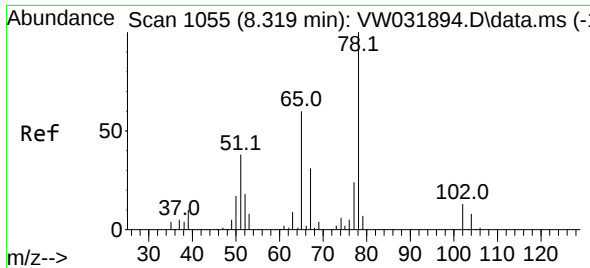
Tgt Ion: 43 Resp: 3139
Ion Ratio Lower Upper
43 100
72 18.8 20.8 31.2#



#29
Tetrahydrofuran
Concen: 1.690 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.012 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 42 Resp: 1002
Ion Ratio Lower Upper
42 100
72 52.3 37.0 55.6
71 32.4 34.5 51.7#

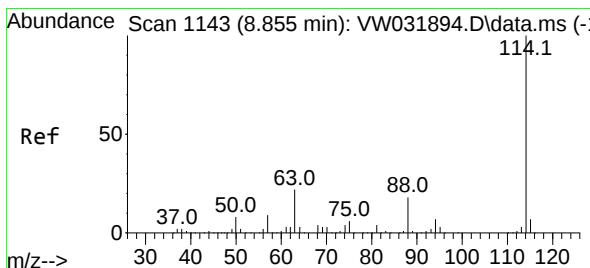
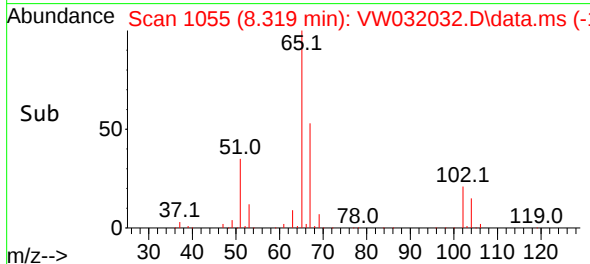
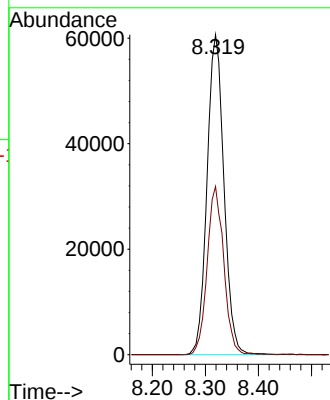
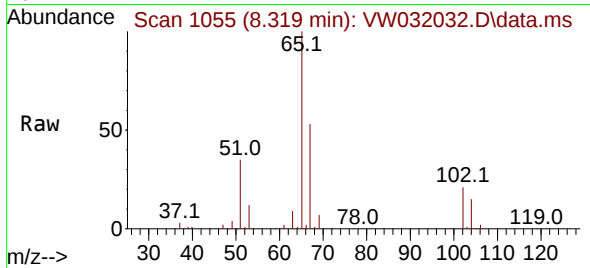




#33
 1,2-Dichloroethane-d4
 Concen: 48.153 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032032.D
 Acq: 06 Aug 2025 16:34

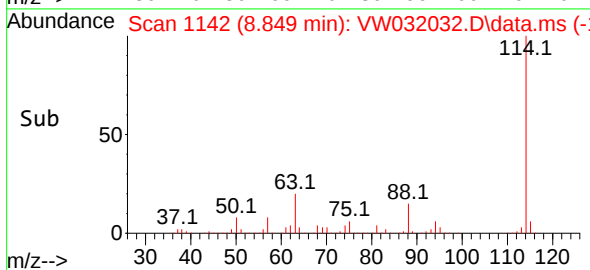
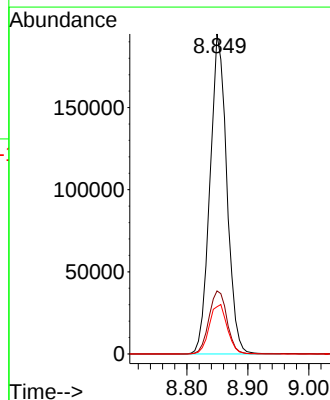
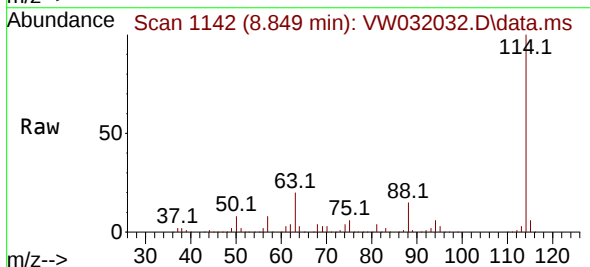
Instrument :
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 ClientSampleId :
 TP-5-VOC

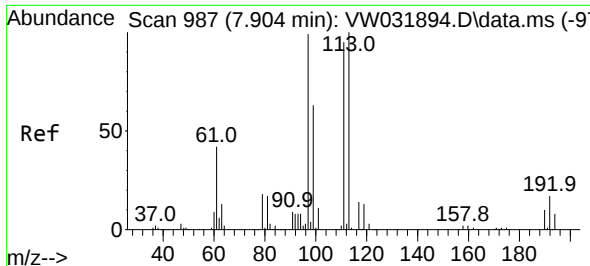
Tgt Ion: 65 Resp: 134131
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032032.D
 Acq: 06 Aug 2025 16:34

Tgt Ion: 114 Resp: 374065
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.2
 88 14.7 0.0 35.6

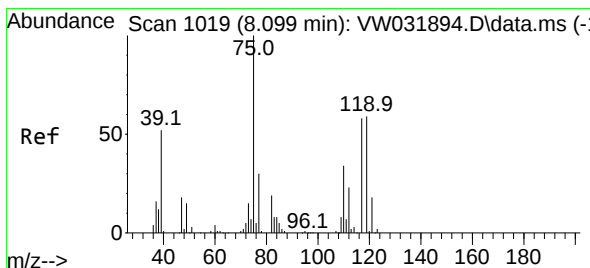
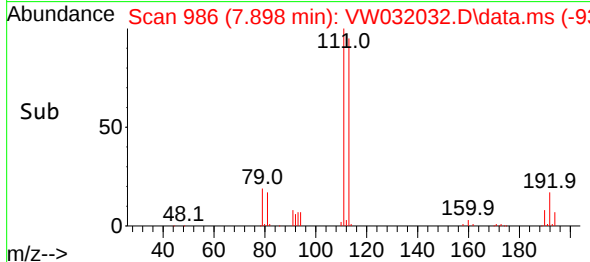
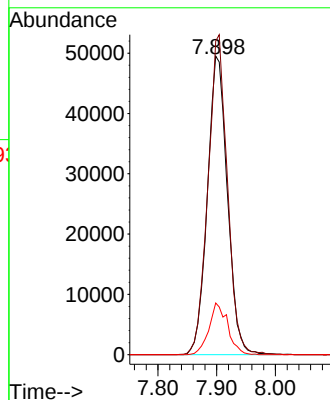
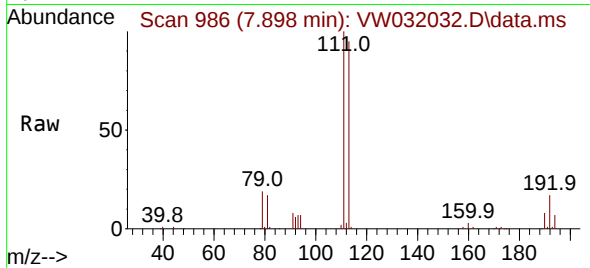




#35
Dibromofluoromethane
Concen: 46.212 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

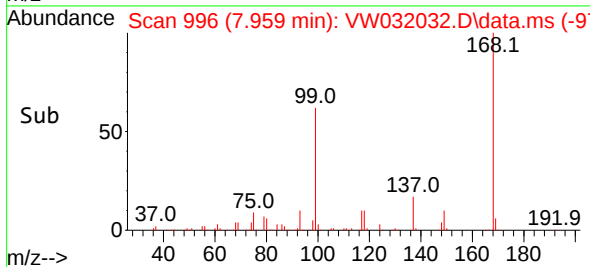
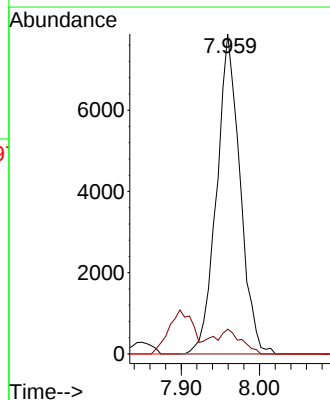
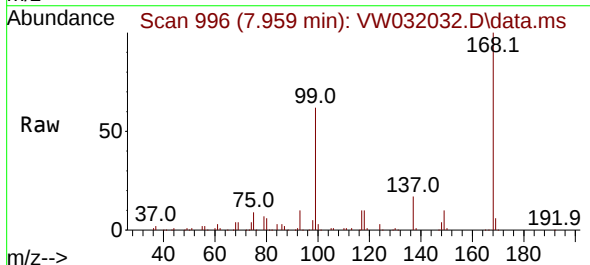
Instrument :
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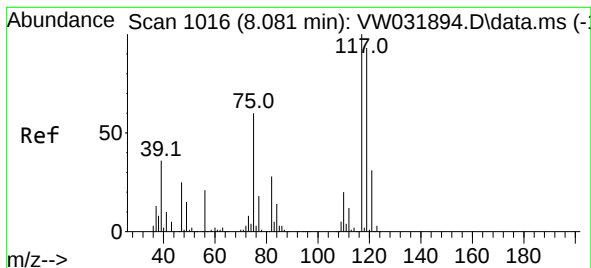
Tgt Ion:113 Resp: 117463
Ion Ratio Lower Upper
113 100
111 103.8 79.9 119.9
192 16.3 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.186 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 75 Resp: 16341
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.588 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032032.D

Acq: 06 Aug 2025 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-5-VOC

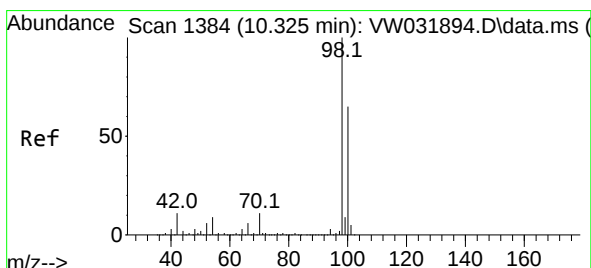
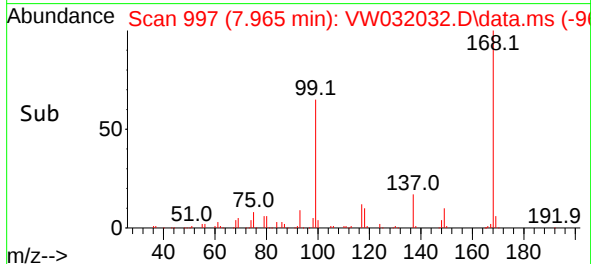
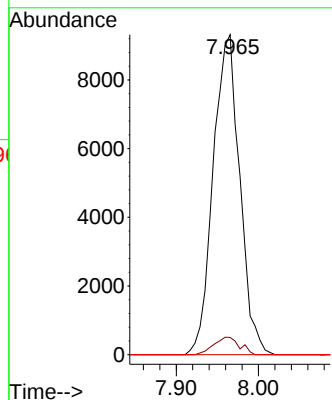
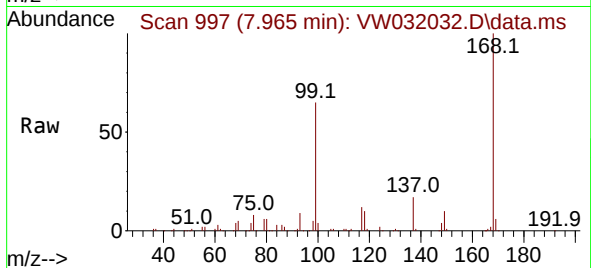
Tgt Ion:117 Resp: 20935

Ion Ratio Lower Upper

117 100

119 5.4 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.488 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032032.D

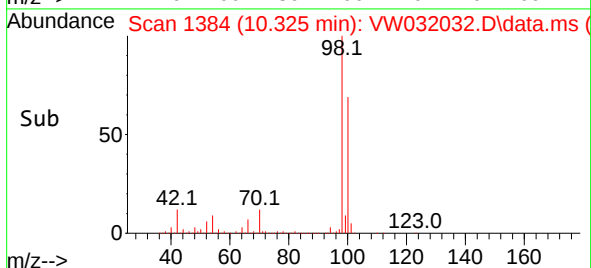
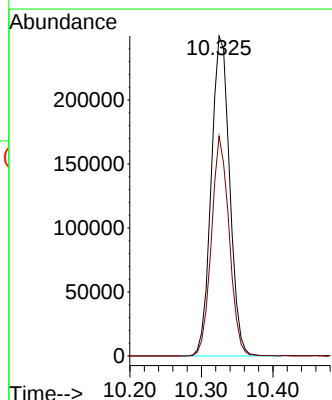
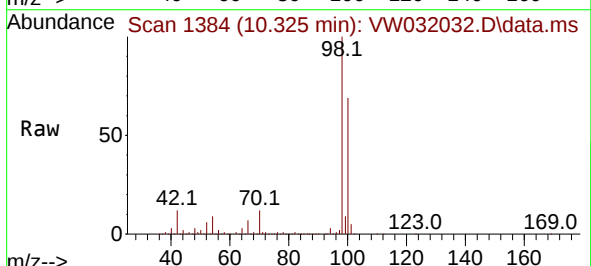
Acq: 06 Aug 2025 16:34

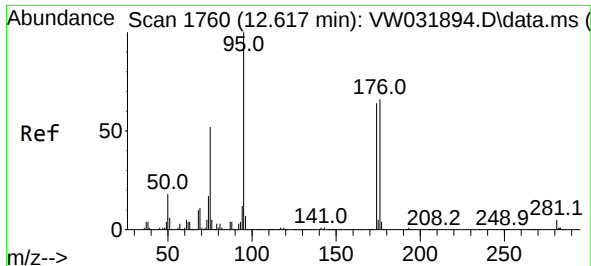
Tgt Ion: 98 Resp: 447215

Ion Ratio Lower Upper

98 100

100 66.1 51.7 77.5

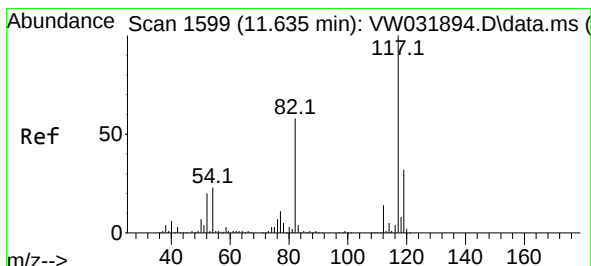
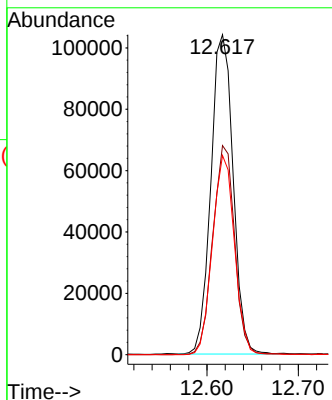
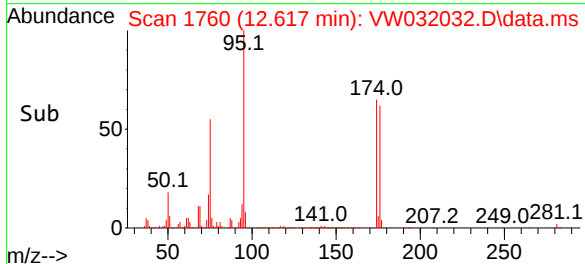
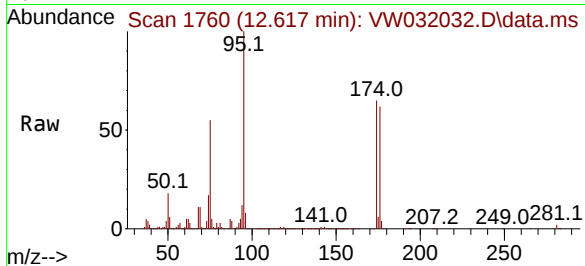




#62
4-Bromofluorobenzene
Concen: 47.549 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

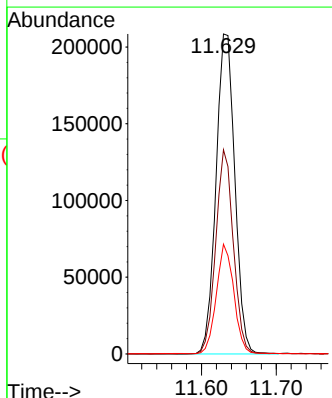
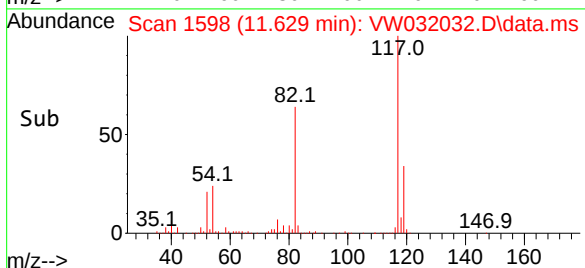
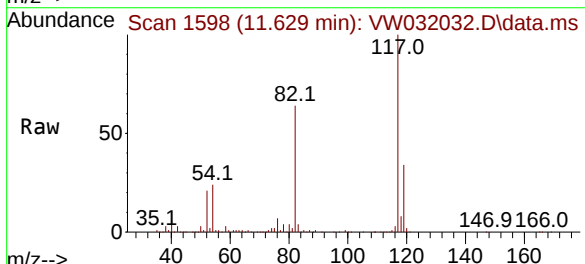
Instrument :
MSVOA_W
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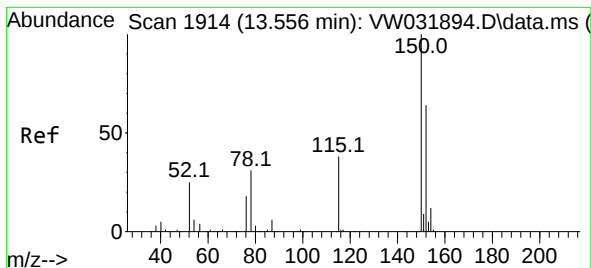
Tgt Ion: 95 Resp: 175642
Ion Ratio Lower Upper
95 100
174 64.8 0.0 129.8
176 62.0 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032032.D
Acq: 06 Aug 2025 16:34

Tgt Ion: 117 Resp: 366017
Ion Ratio Lower Upper
117 100
82 63.8 46.5 69.7
119 34.2 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: VW032032.D

Acq: 06 Aug 2025 16:34

Instrument :

MSVOA_W

ClientSampleId :

TP-5-VOC

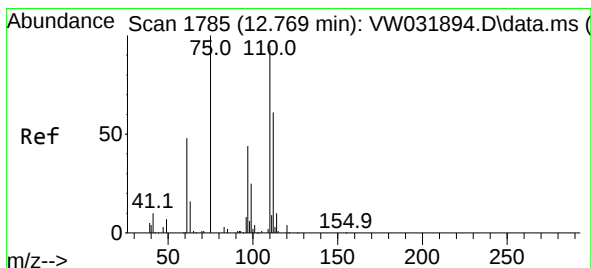
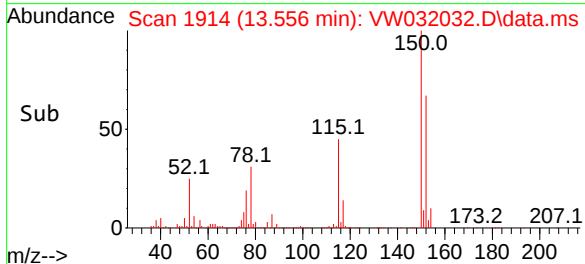
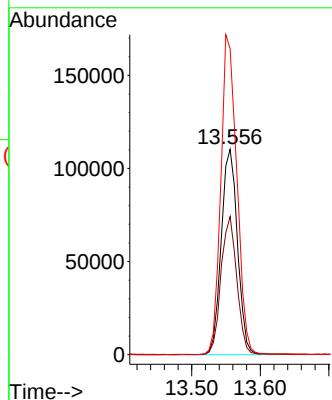
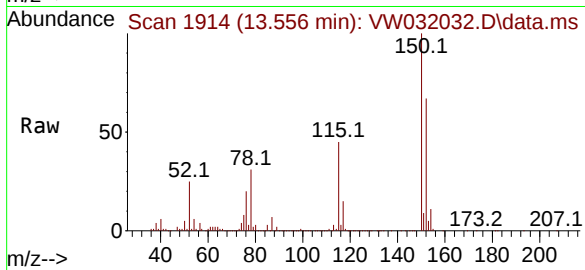
Tgt Ion:152 Resp: 181226

Ion Ratio Lower Upper

152 100

115 65.3 33.4 100.1

150 153.8 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 36.407 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW032032.D

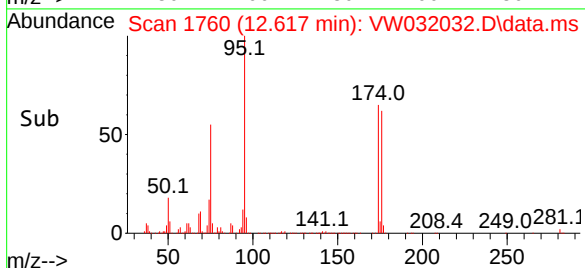
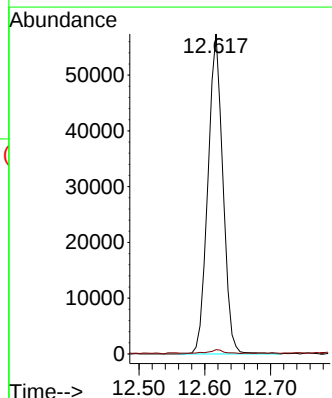
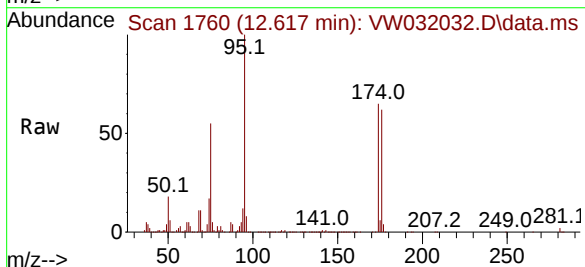
Acq: 06 Aug 2025 16:34

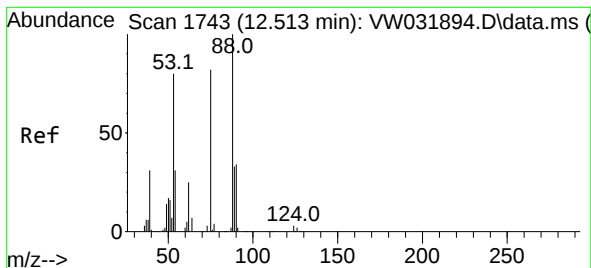
Tgt Ion: 75 Resp: 91095

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.055 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032032.D
 Acq: 06 Aug 2025 16:34

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-VOC

Tgt Ion: 75 Resp: 91095
 Ion Ratio Lower Upper
 75 100
 53 0.2 83.7 125.5#
 89 0.0 39.0 58.6#

