

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072525\
 Data File : VW031935.D
 Acq On : 25 Jul 2025 14:42
 Operator : SY/MD
 Sample : Q2703-03
 Misc : 4.66g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-VOC

Quant Time: Jul 25 23:05:50 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	182924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	385776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	374782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173061	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147399	53.267	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.540%
35) Dibromofluoromethane	7.904	113	120177	45.845	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.680%
50) Toluene-d8	10.331	98	486190	49.005	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.617	95	185598	48.719	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.440%

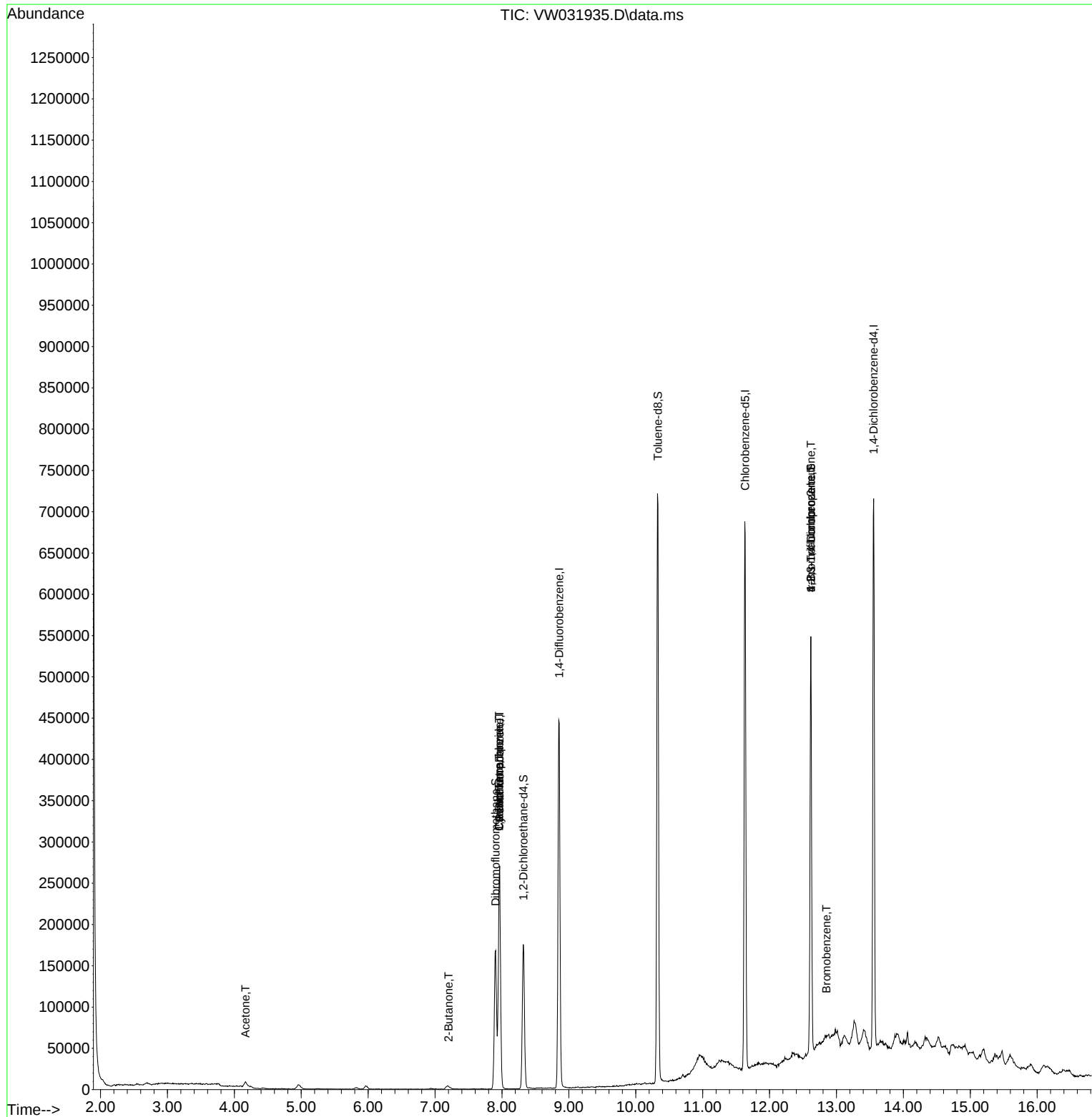
Target Compounds					Qvalue	
13) Acrolein	3.942	56	594	Below Cal	#	58
16) Acetone	4.167	43	10157	15.468	ug/l	96
20) Methylene Chloride	4.954	84	5137	Below Cal	#	77
25) 2-Butanone	7.203	43	4255	4.736	ug/l	# 80
31) Cyclohexane	7.959	56	4557	1.074	ug/l	# 6
36) 1,1-Dichloropropene	7.959	75	16556	4.113	ug/l	# 51
38) Carbon Tetrachloride	7.959	117	21092	5.459	ug/l	# 18
76) 1,2,3-Trichloropropane	12.617	75	93558	39.156	ug/l	# 100
77) Bromobenzene	12.849	156	22457	6.912	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	93558	90.400	ug/l	# 8

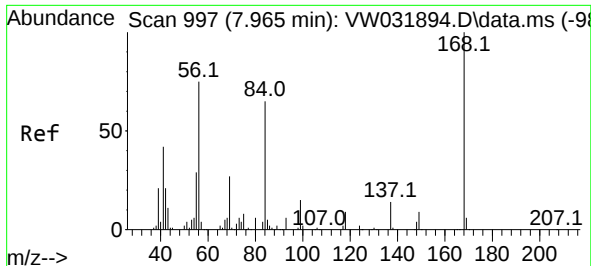
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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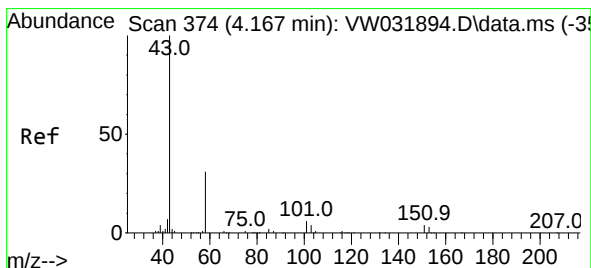
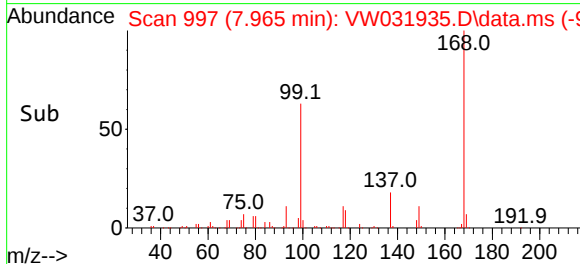
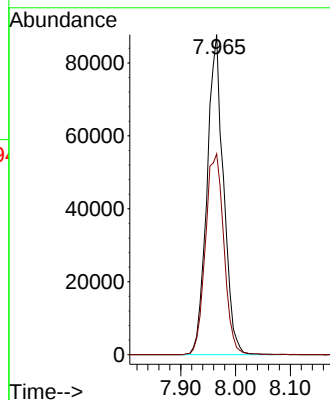
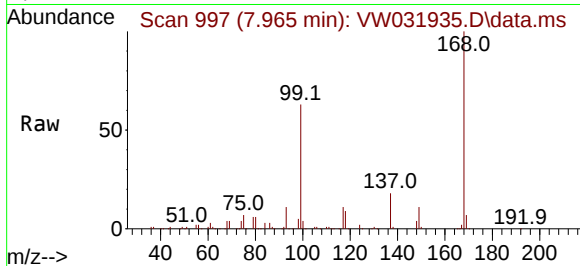




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

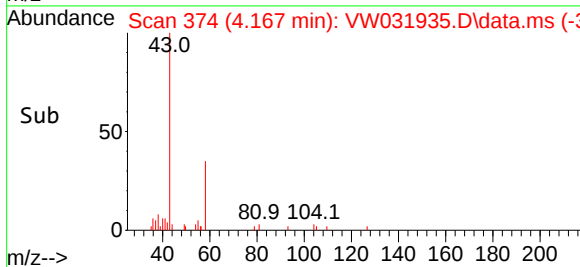
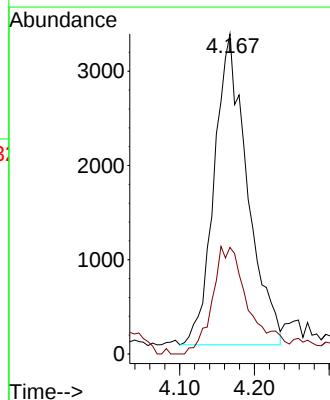
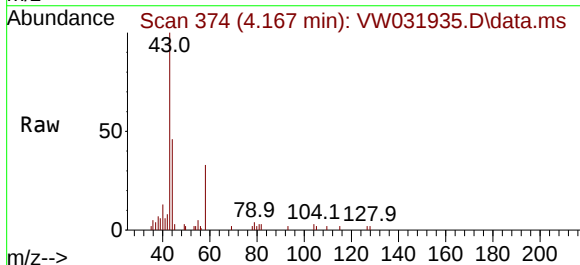
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

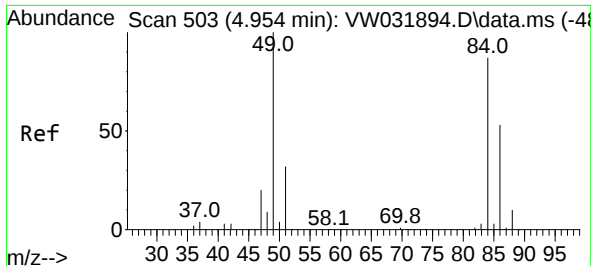
Tgt Ion:168 Resp: 182924
Ion Ratio Lower Upper
168 100
99 62.8 48.2 72.2



#16
Acetone
Concen: 15.468 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

Tgt Ion: 43 Resp: 10157
Ion Ratio Lower Upper
43 100
58 34.3 25.5 38.3

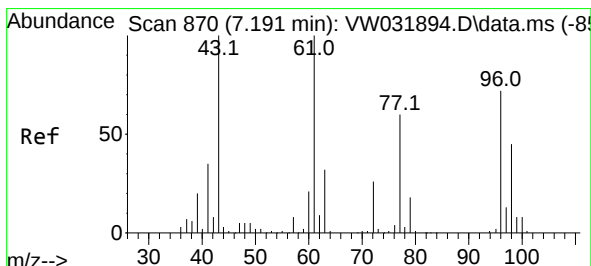
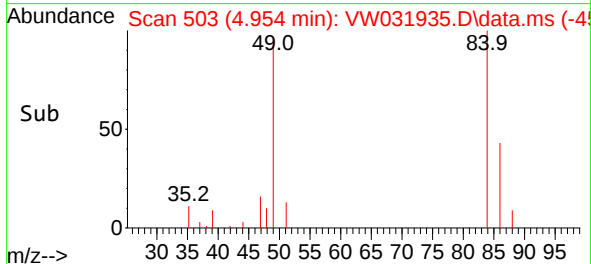
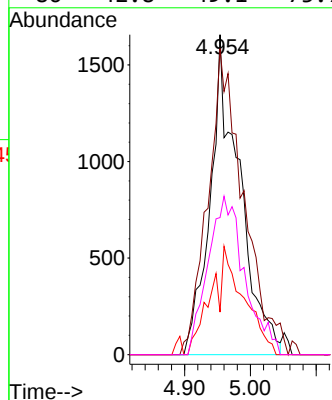
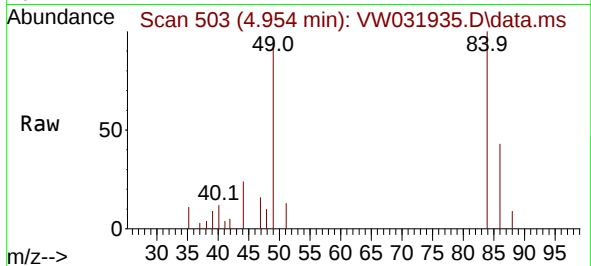




#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

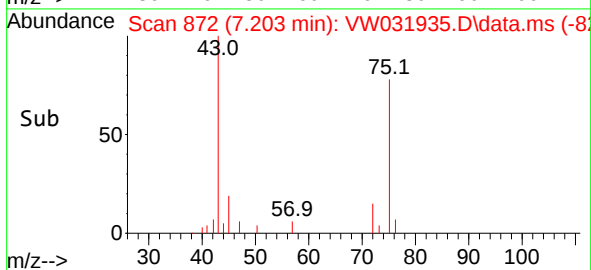
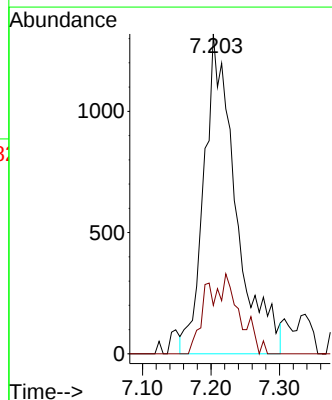
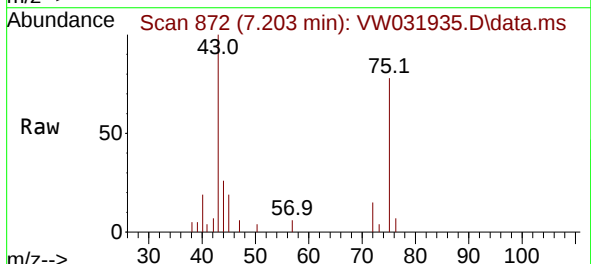
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

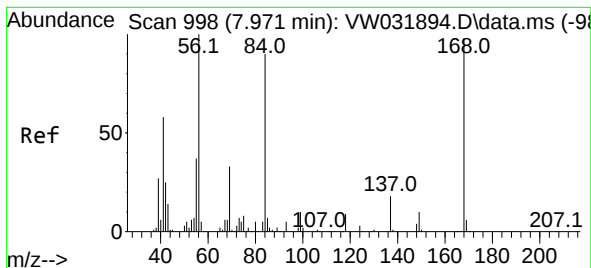
Tgt Ion: 84	Resp: 5137
Ion Ratio	Lower Upper
84 100	
49 95.7	91.9 137.9
51 13.3	29.0 43.6#
86 42.8	49.1 73.7#



#25
2-Butanone
Concen: 4.736 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

Tgt Ion: 43	Resp: 4255		
Ion Ratio	Lower	Upper	
43 100			
72 16.0	20.8	31.2#	





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW031935.D

Acq: 25 Jul 2025 14:42

Instrument :

MSVOA_W

ClientSampleId :

TP-4-VOC

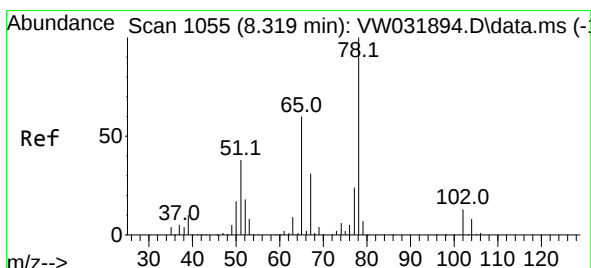
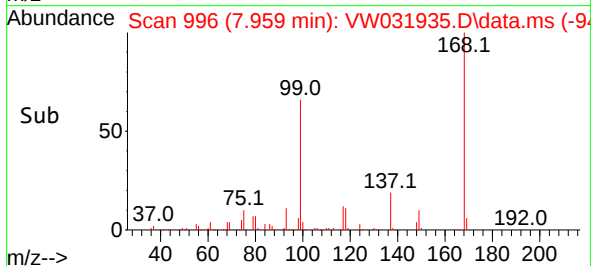
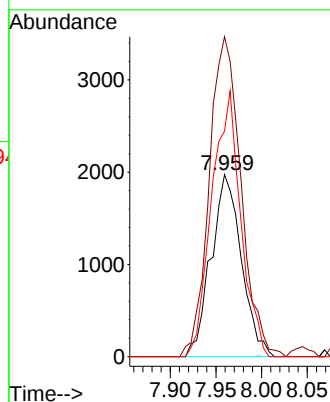
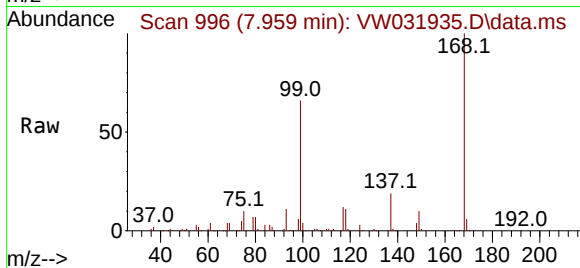
Tgt Ion: 56 Resp: 4557

Ion Ratio Lower Upper

56 100

69 175.7 26.7 40.1#

84 123.8 71.8 107.6#



#33

1,2-Dichloroethane-d4

Concen: 53.267 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031935.D

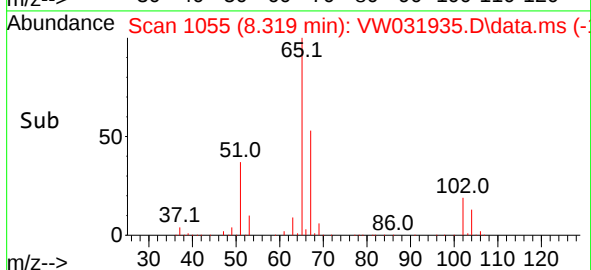
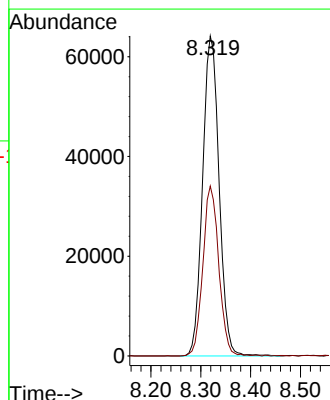
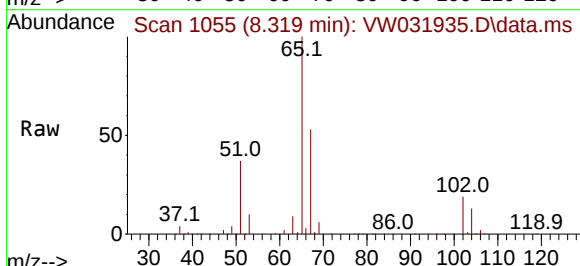
Acq: 25 Jul 2025 14:42

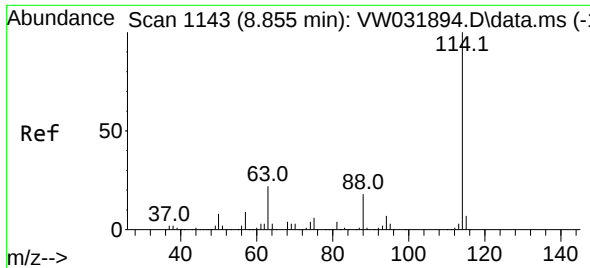
Tgt Ion: 65 Resp: 147399

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.4

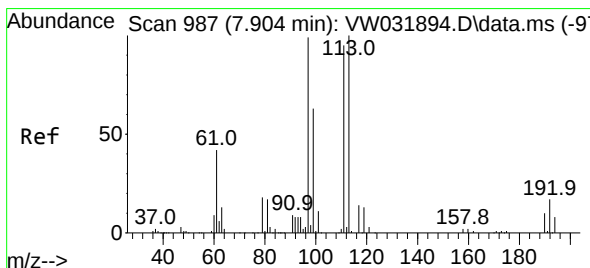
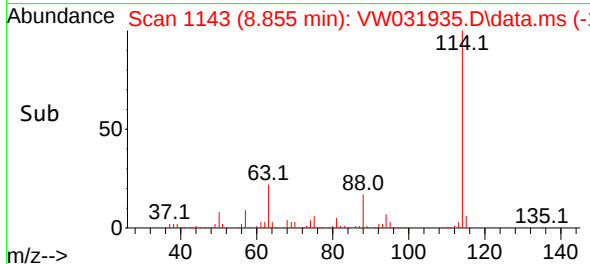
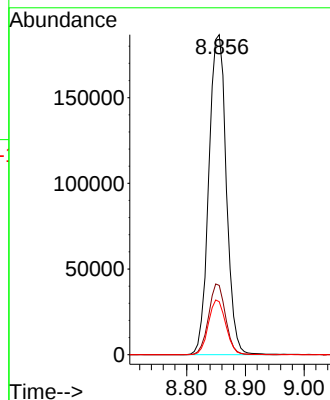
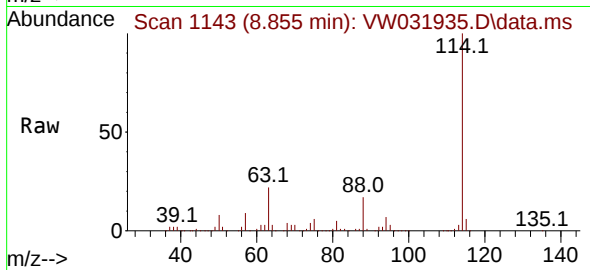




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

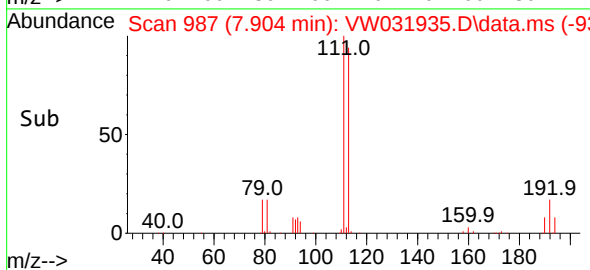
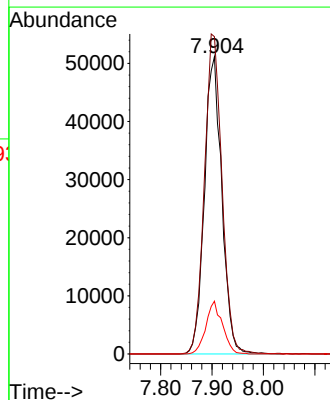
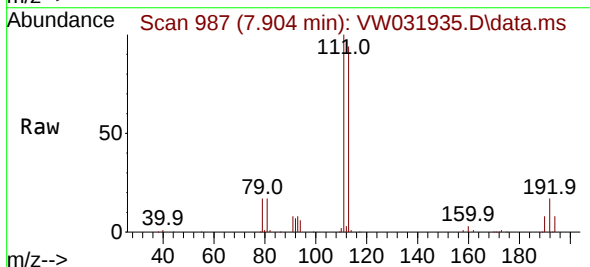
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

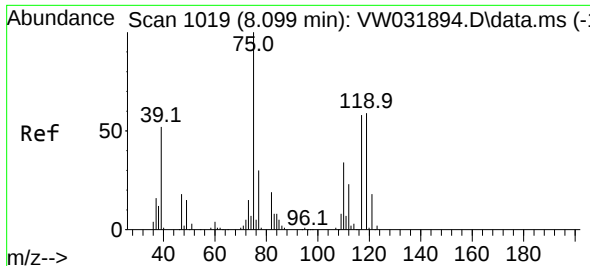
Tgt Ion:114 Resp: 385776
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.2
88 16.5 0.0 35.6



#35
Dibromofluoromethane
Concen: 45.845 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

Tgt Ion:113 Resp: 120177
Ion Ratio Lower Upper
113 100
111 108.7 79.9 119.9
192 16.8 12.6 19.0

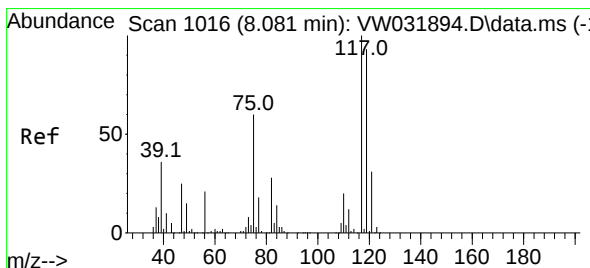
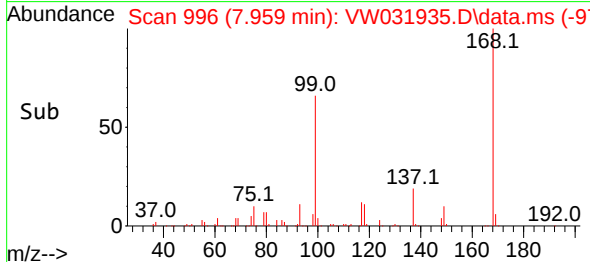
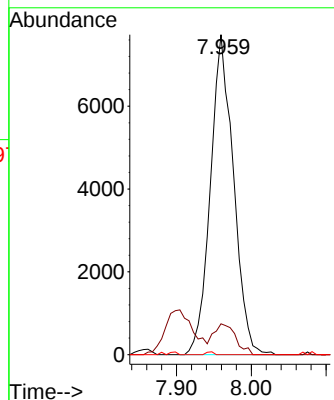
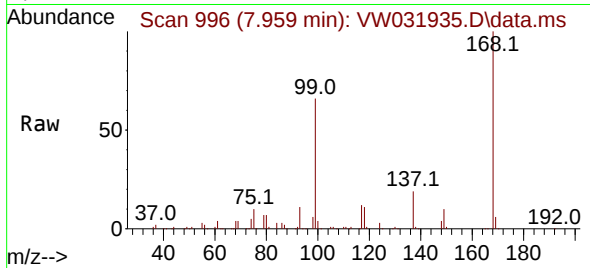




#36
 1,1-Dichloropropene
 Concen: 4.113 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031935.D
 Acq: 25 Jul 2025 14:42

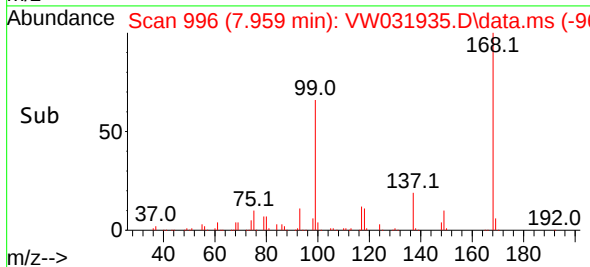
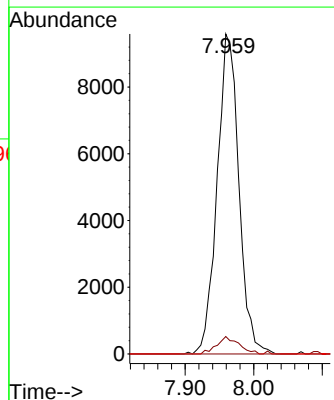
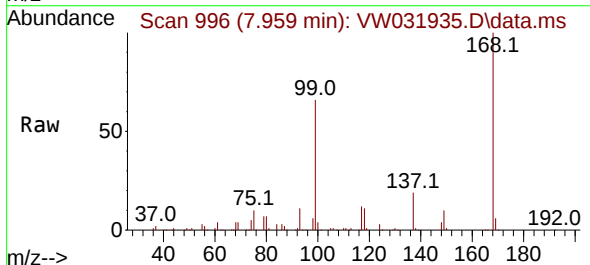
Instrument :
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 TP-4-VOC

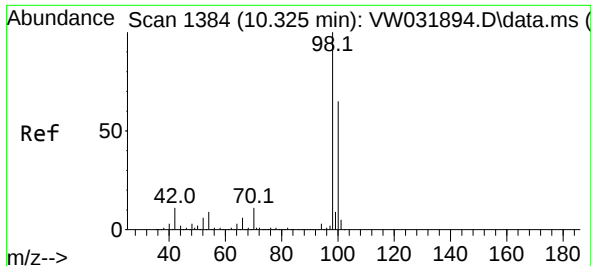
Tgt Ion: 75 Resp: 16556
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.0 50.9#
 77 0.3 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.459 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031935.D
 Acq: 25 Jul 2025 14:42

Tgt Ion: 117 Resp: 21092
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.3 111.5#
 121 0.0 24.6 37.0#

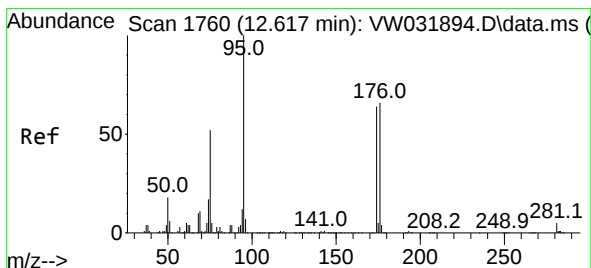
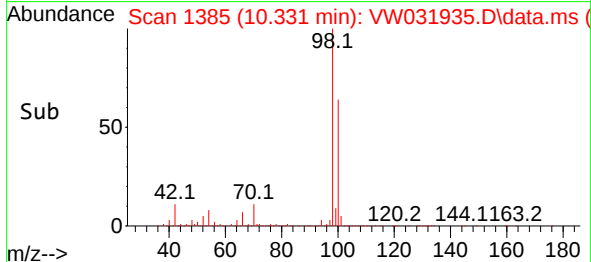
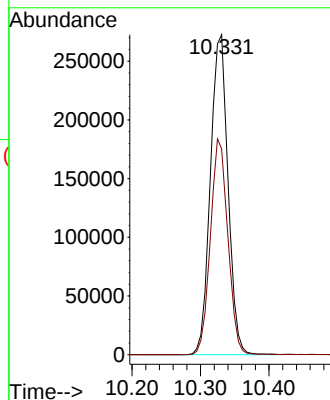
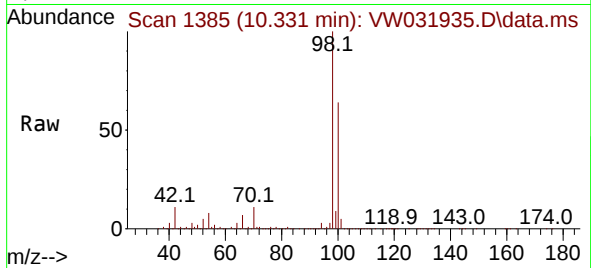




#50
Toluene-d8
Concen: 49.005 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

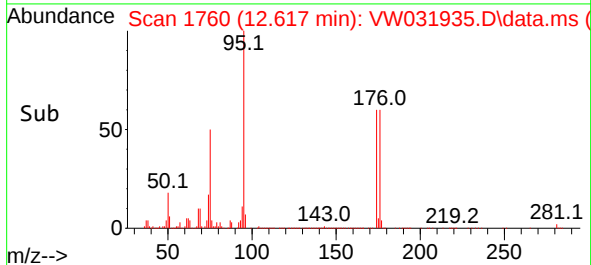
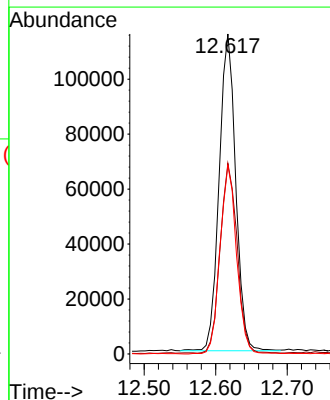
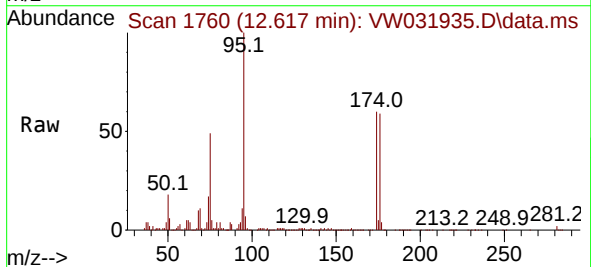
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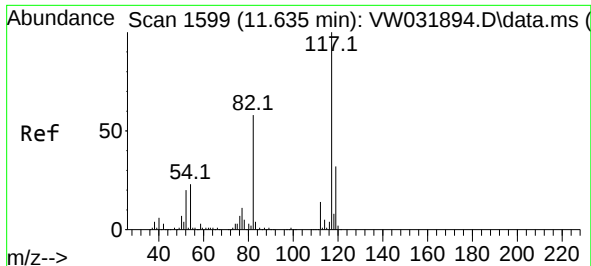
Tgt Ion: 98 Resp: 486190
Ion Ratio Lower Upper
98 100
100 66.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.719 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

Tgt Ion: 95 Resp: 185598
Ion Ratio Lower Upper
95 100
174 61.5 0.0 129.8
176 59.7 0.0 130.4

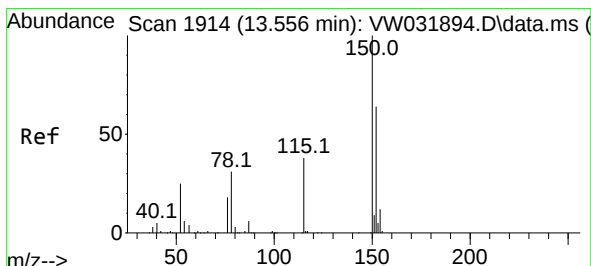
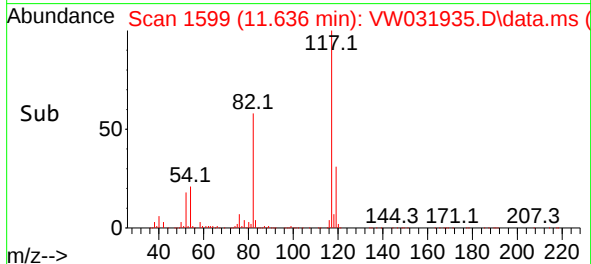
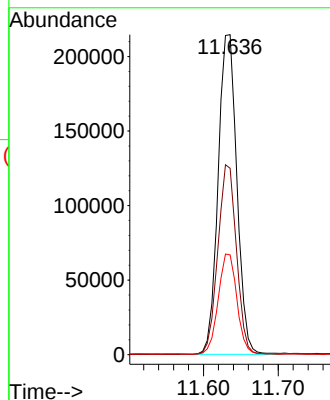
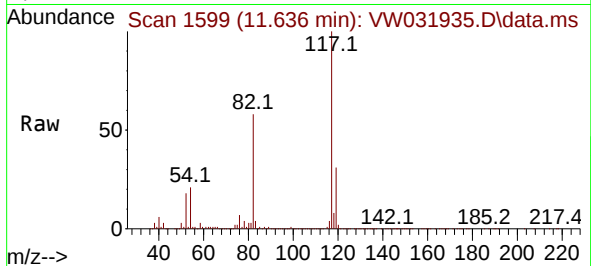




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

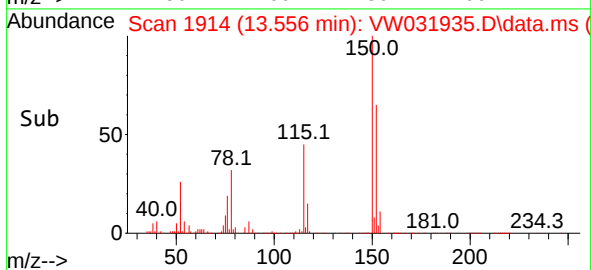
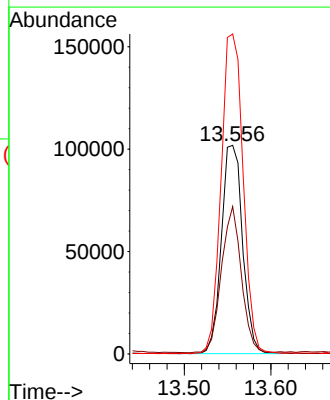
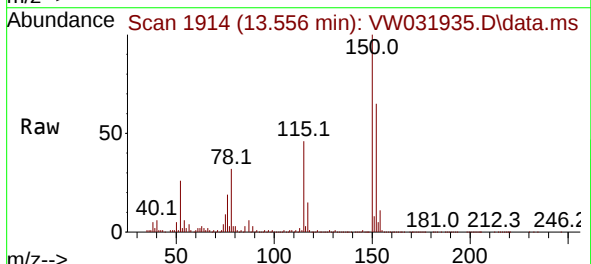
Instrument :
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ClientSampleId :
TP-4-VOC

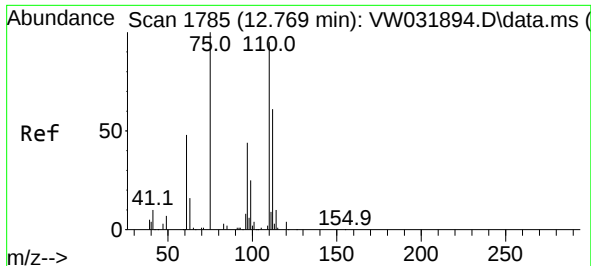
Tgt Ion:117 Resp: 374782
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 31.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

Tgt Ion:152 Resp: 173061
Ion Ratio Lower Upper
152 100
115 65.7 33.4 100.1
150 159.2 0.0 352.2

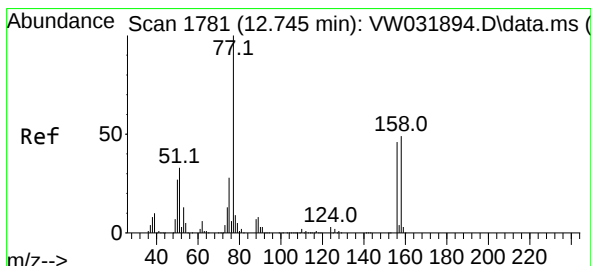
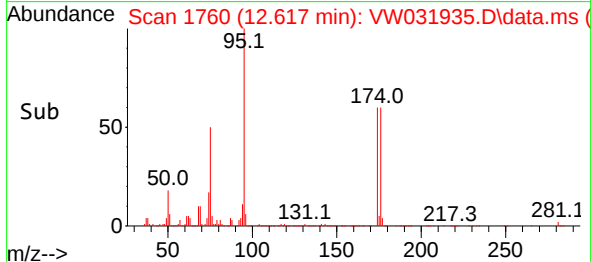
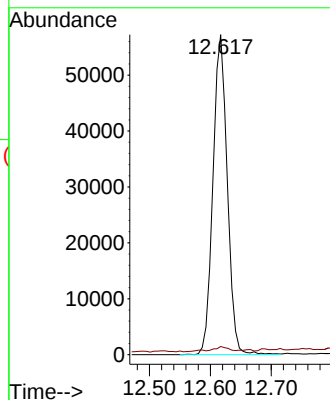
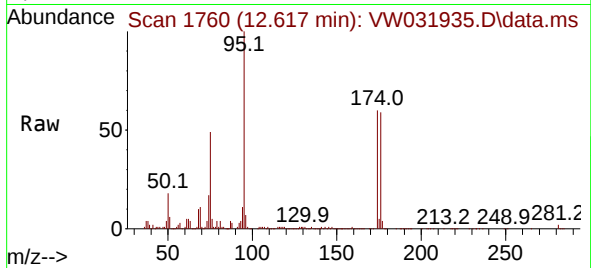




#76
1,2,3-Trichloropropane
Concen: 39.156 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

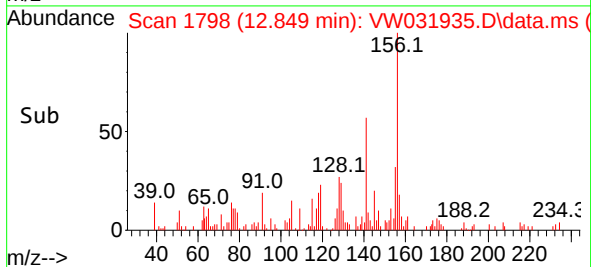
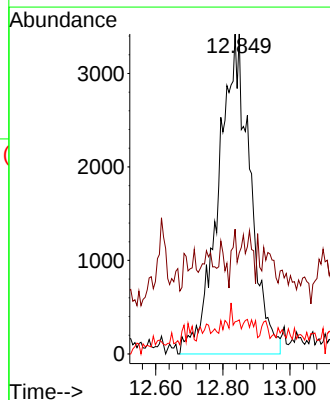
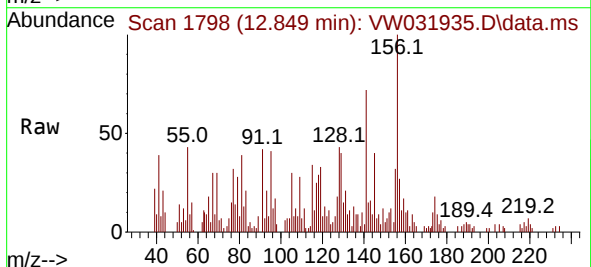
Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

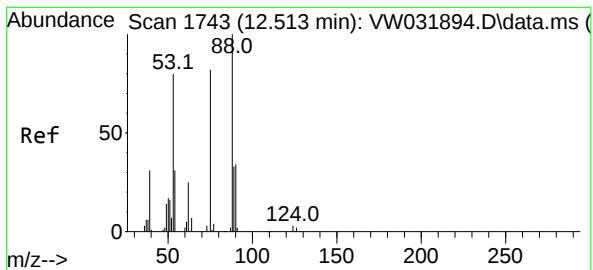
Tgt Ion: 75 Resp: 93558
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#77
Bromobenzene
Concen: 6.912 ug/l
RT: 12.849 min Scan# 1798
Delta R.T. 0.104 min
Lab File: VW031935.D
Acq: 25 Jul 2025 14:42

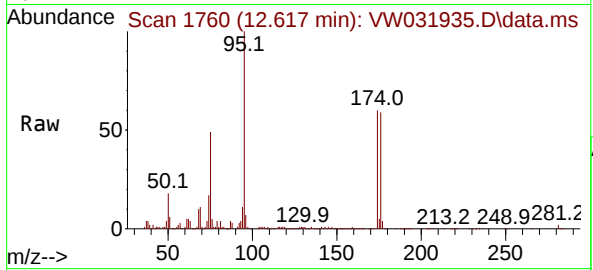
Tgt Ion: 156 Resp: 22457
Ion Ratio Lower Upper
156 100
77 2.8 115.3 345.8#
158 0.0 50.1 150.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.400 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031935.D
 Acq: 25 Jul 2025 14:42

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-VOC



Tgt Ion: 75 Resp: 93558
 Ion Ratio Lower Upper
 75 100
 53 0.2 83.7 125.5#
 89 0.3 39.0 58.6#

