

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
 Data File : VW032580.D
 Acq On : 05 Dec 2025 15:30
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Dec 05 23:02:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

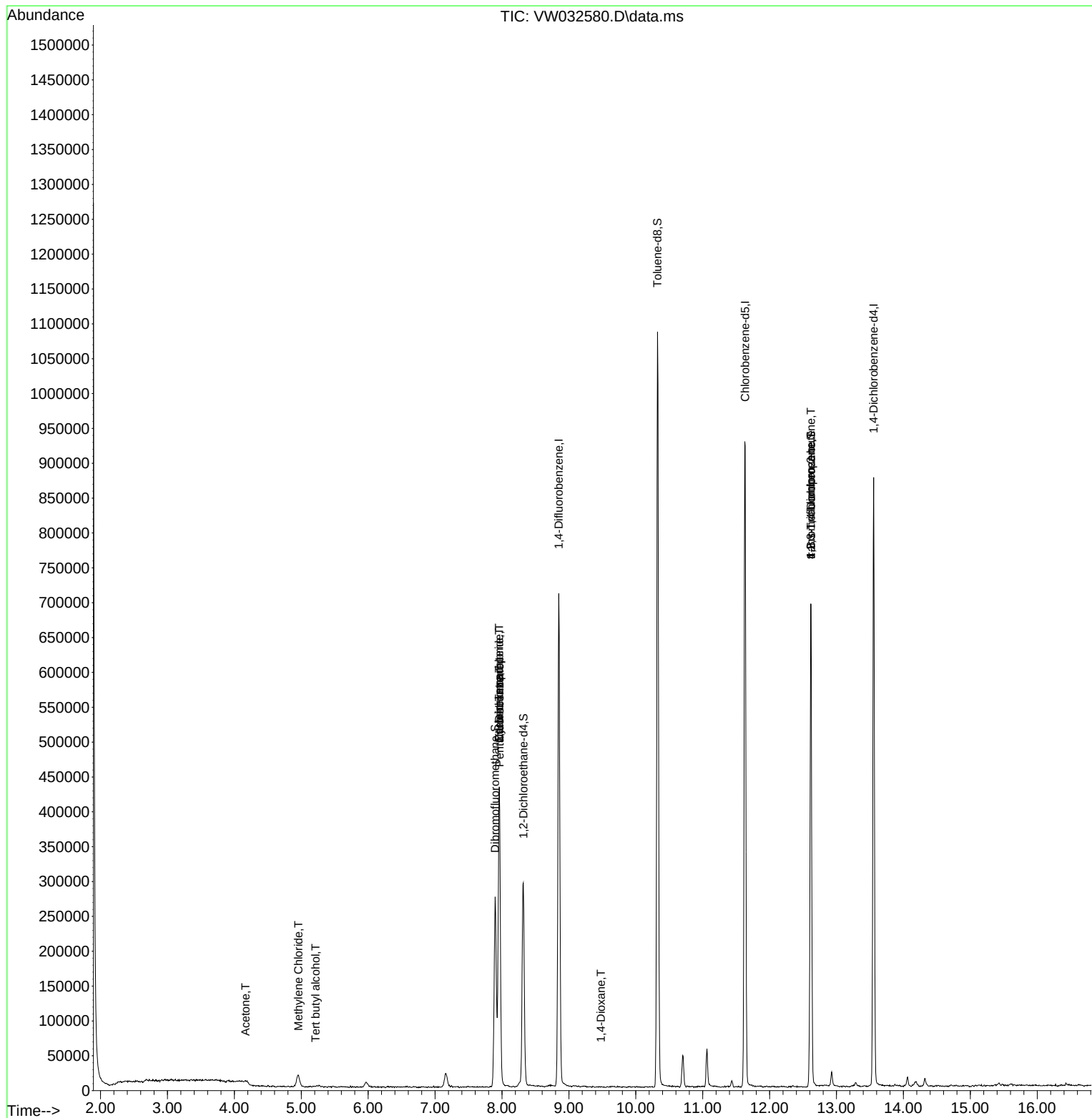
Internal Standards						
1) Pentafluorobenzene	7.965	168	291561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	577440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	518204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	215398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	242806	55.959	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 111.920%		
35) Dibromofluoromethane	7.898	113	195158	51.358	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.720%		
50) Toluene-d8	10.325	98	715627	50.048	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.100%		
62) 4-Bromofluorobenzene	12.617	95	240797	45.581	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 91.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	984	2.948	ug/l #	57
16) Acetone	4.167	43	1848	1.363	ug/l #	87
20) Methylene Chloride	4.960	84	13985	2.884	ug/l #	83
31) Cyclohexane	7.959	56	8174	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	27875	4.809	ug/l #	51
38) Carbon Tetrachloride	7.959	117	33749	6.267	ug/l #	17
49) 1,4-Dioxane	9.477	88	58	1.830	ug/l #	9
76) 1,2,3-Trichloropropane	12.617	75	125795	43.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	125795	101.510	ug/l #	10

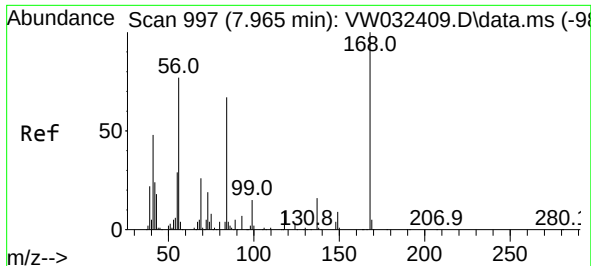
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

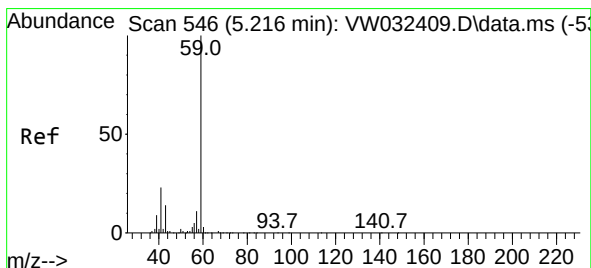
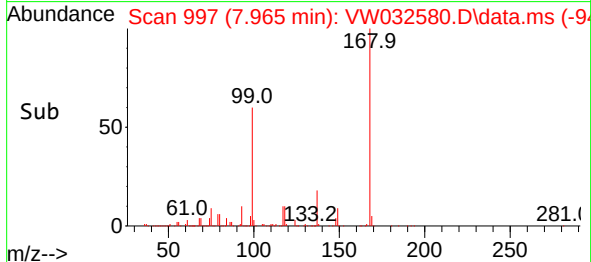
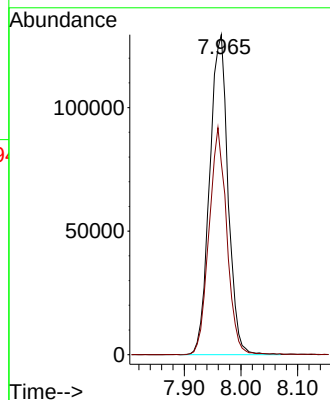
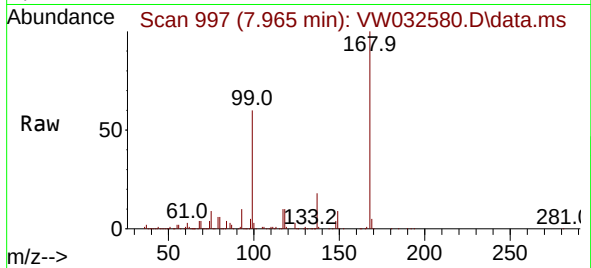




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

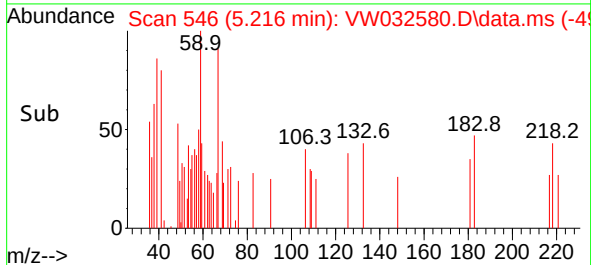
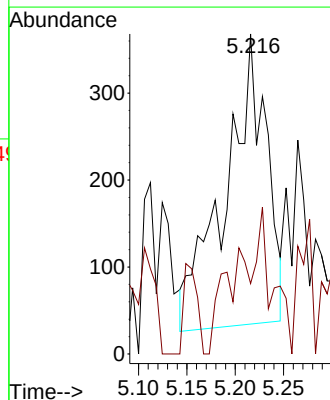
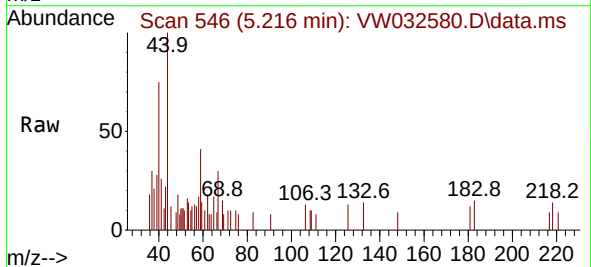
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

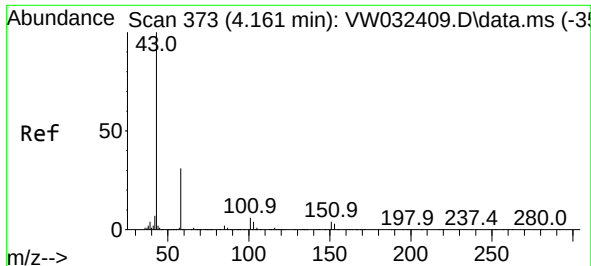
Tgt Ion:168 Resp: 291561
Ion Ratio Lower Upper
168 100
99 59.9 51.8 77.8



#11
Tert butyl alcohol
Concen: 2.948 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 59 Resp: 984
Ion Ratio Lower Upper
59 100
57 20.2 4.6 6.8#

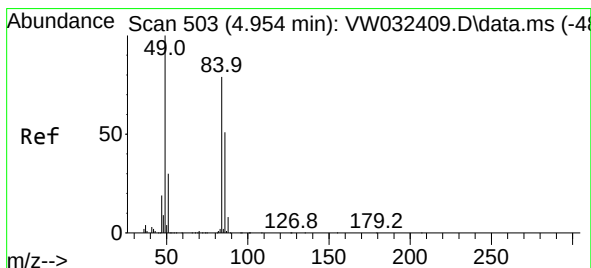
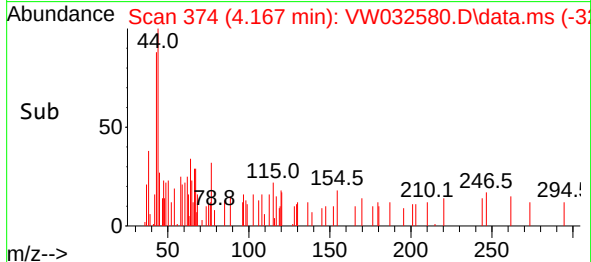
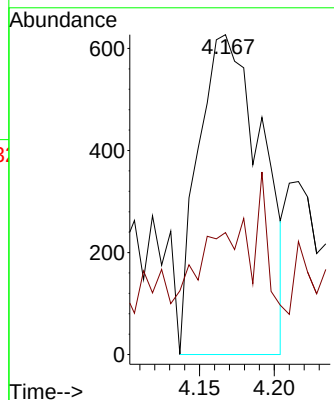
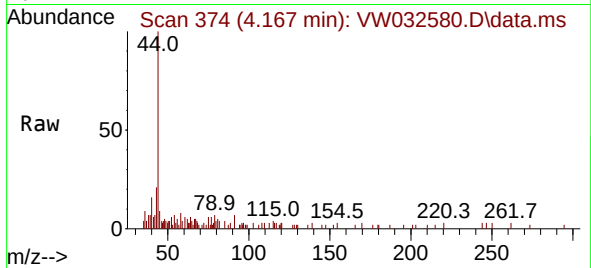




#16
Acetone
Concen: 1.363 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

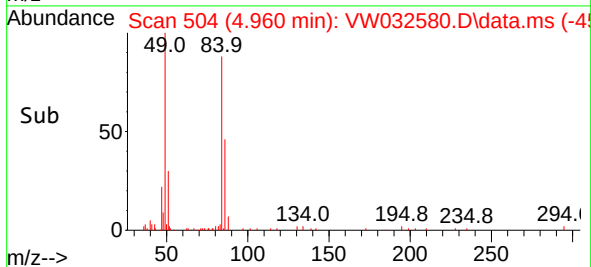
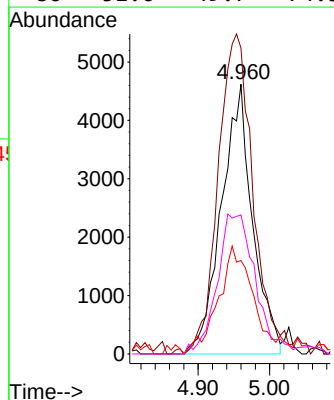
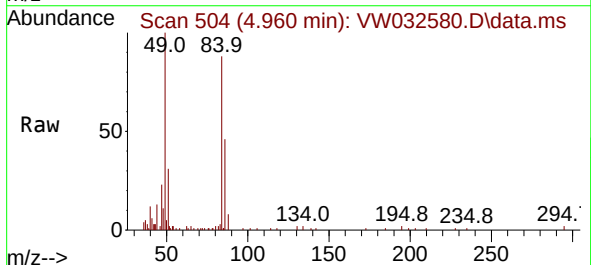
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

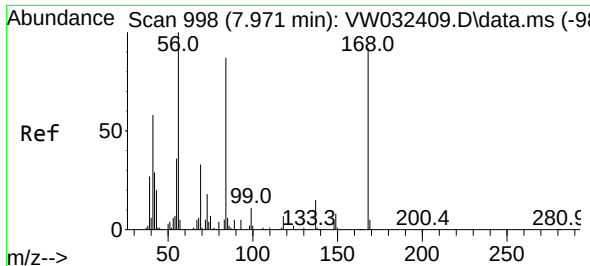
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
58 22.6 23.5 35.3#



#20
Methylene Chloride
Concen: 2.884 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 84 Resp: 13985
Ion Ratio Lower Upper
84 100
49 111.3 107.6 161.4
51 32.7 33.9 50.9#
86 51.6 49.7 74.5

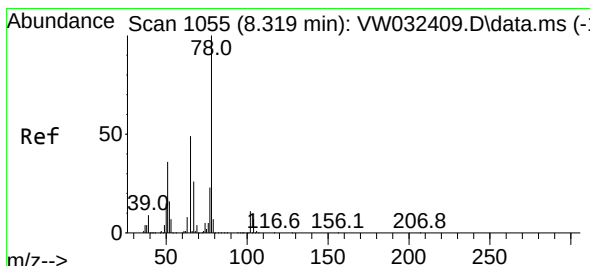
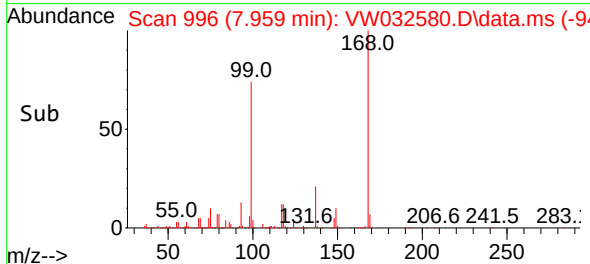
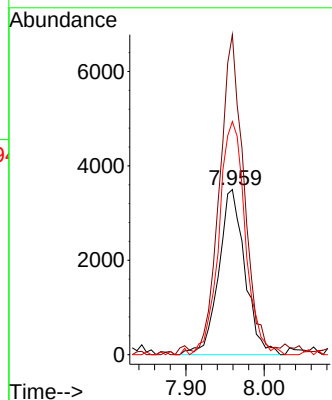
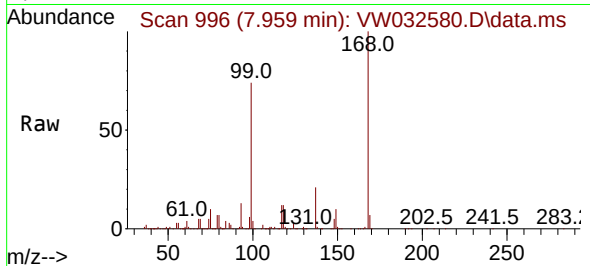




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

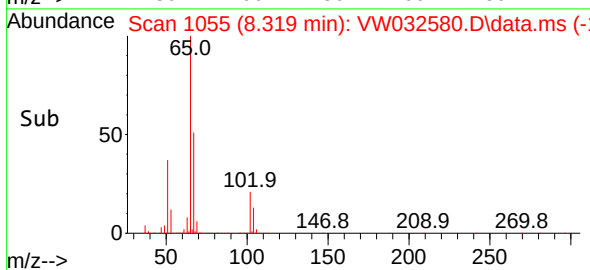
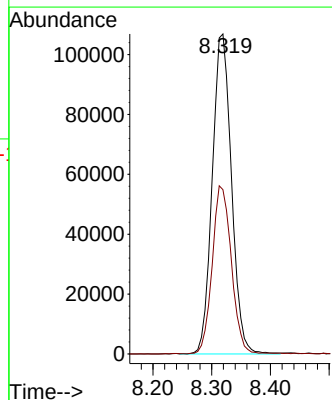
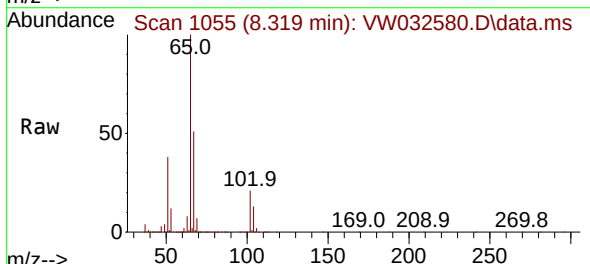
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

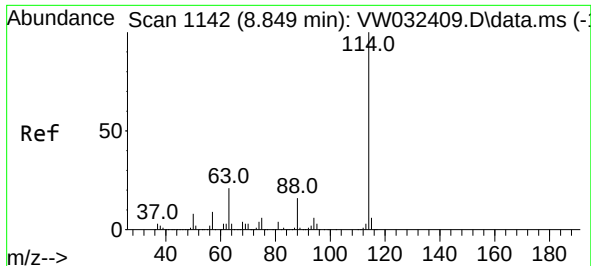
Tgt Ion: 56 Resp: 8174
Ion Ratio Lower Upper
56 100
69 189.9 27.3 40.9#
84 141.2 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 55.959 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 65 Resp: 242806
Ion Ratio Lower Upper
65 100
67 52.1 0.0 108.0

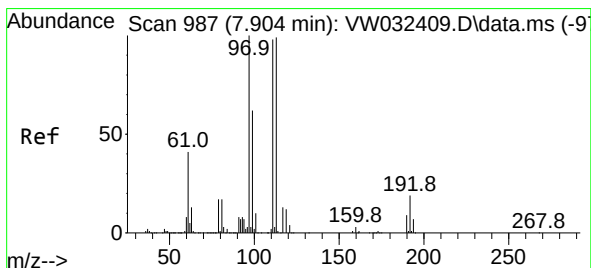
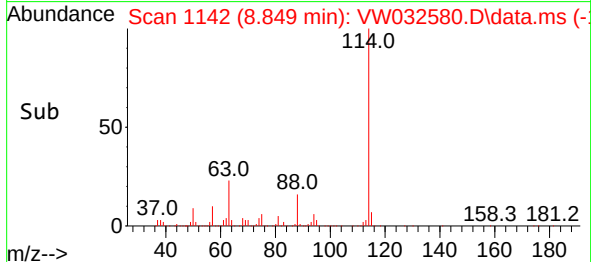
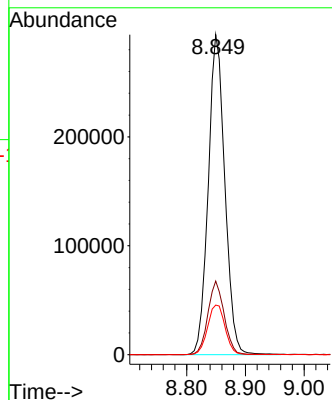
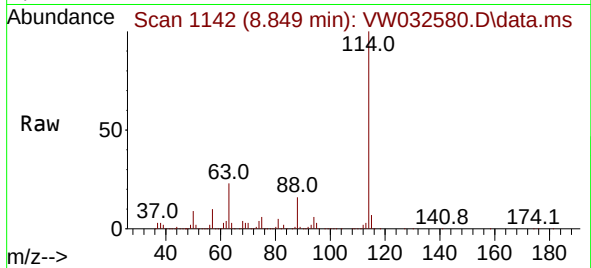




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

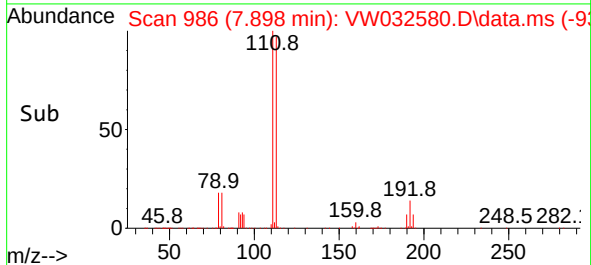
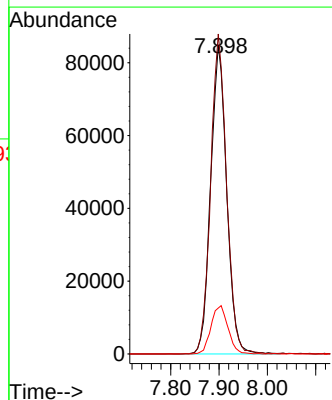
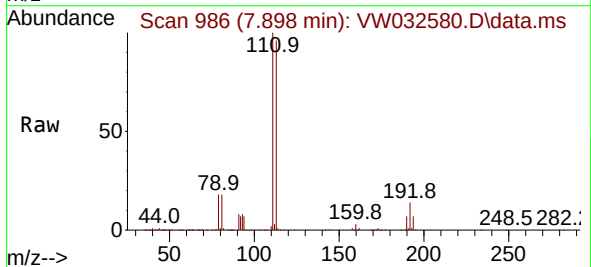
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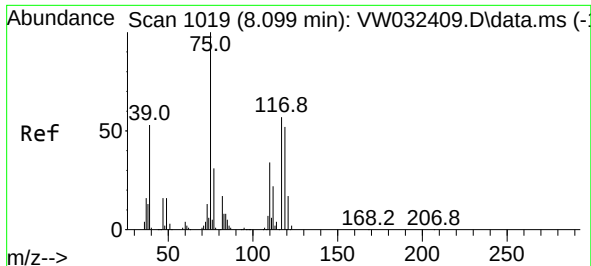
Tgt Ion:114 Resp: 577440
Ion Ratio Lower Upper
114 100
63 22.9 0.0 40.6
88 15.5 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.358 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion:113 Resp: 195158
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 16.6 13.4 20.2

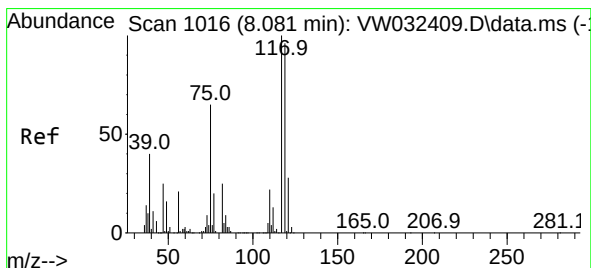
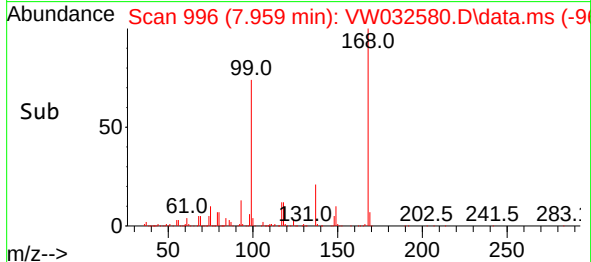
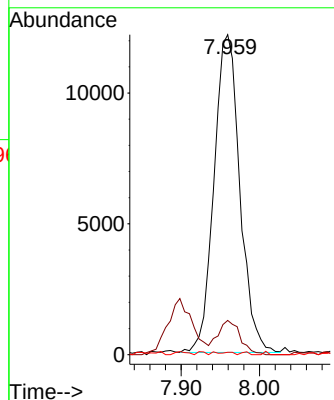
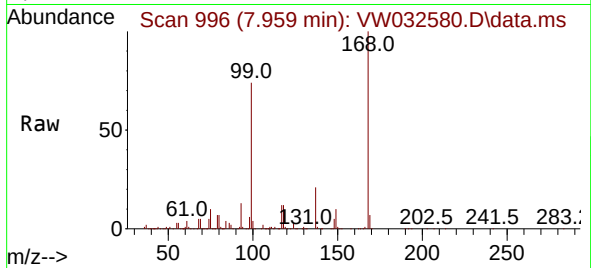




#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

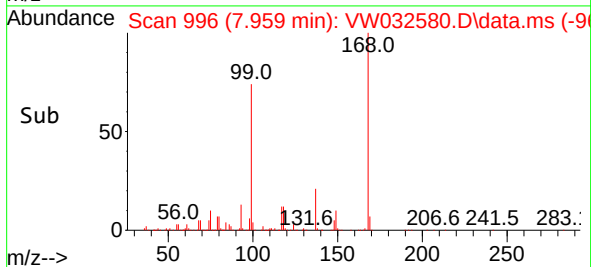
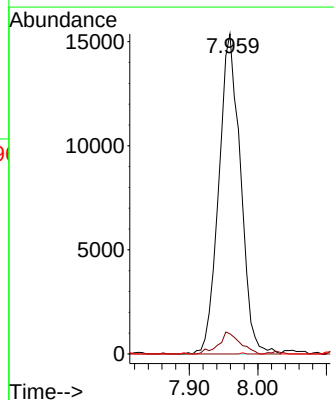
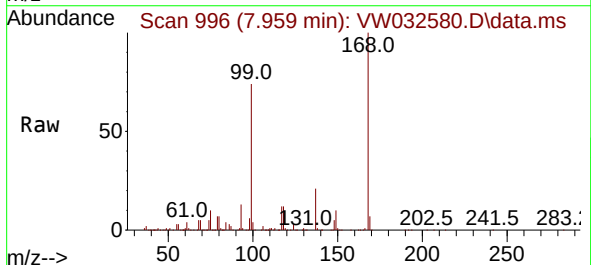
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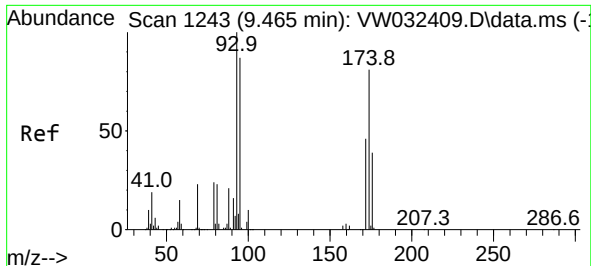
Tgt Ion: 75 Resp: 27875
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.6#
77 0.5 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.267 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 117 Resp: 33749
Ion Ratio Lower Upper
117 100
119 6.3 76.9 115.3#
121 0.0 25.4 38.2#

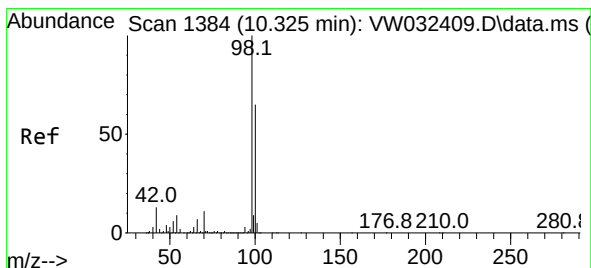
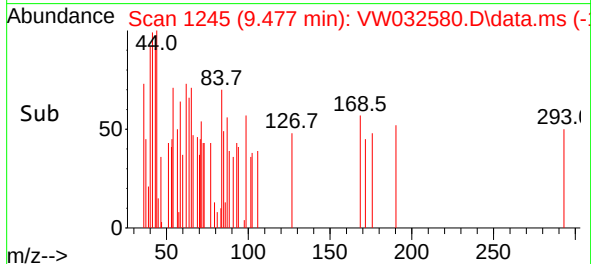
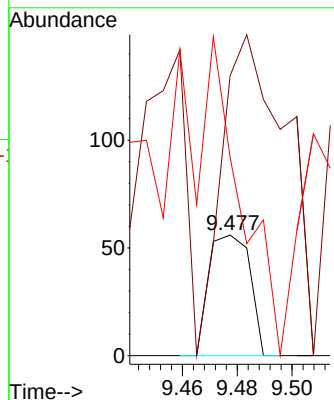
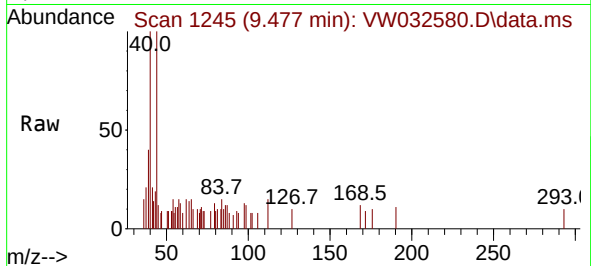




#49
1,4-Dioxane
Concen: 1.830 ug/l
RT: 9.477 min Scan# 1245
Delta R.T. 0.018 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

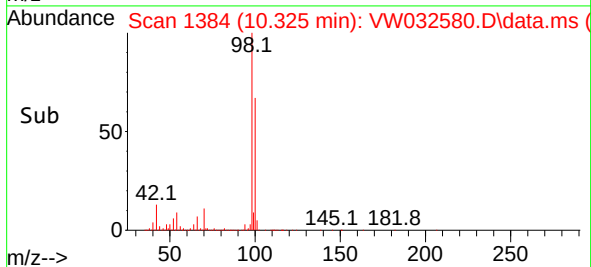
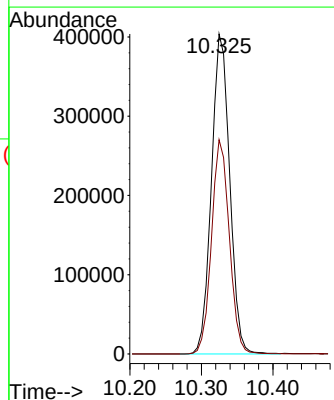
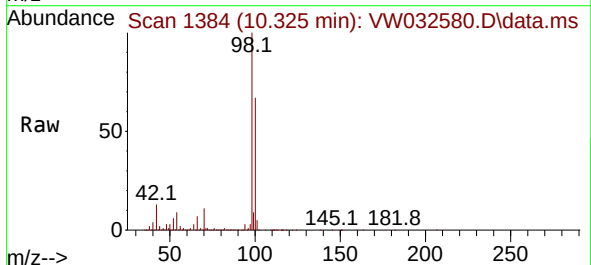
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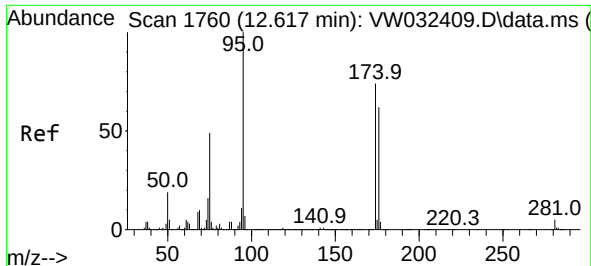
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 420.7 0.0 0.0#
58 0.0 65.2 97.8#



#50
Toluene-d8
Concen: 50.048 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 98 Resp: 715627
Ion Ratio Lower Upper
98 100
100 65.4 54.7 82.1

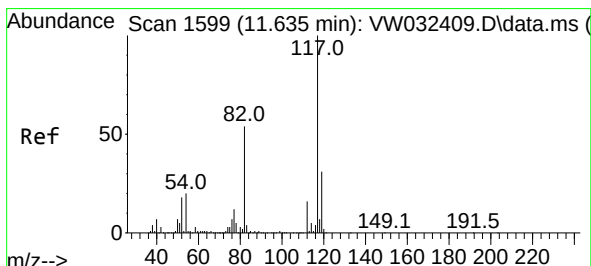
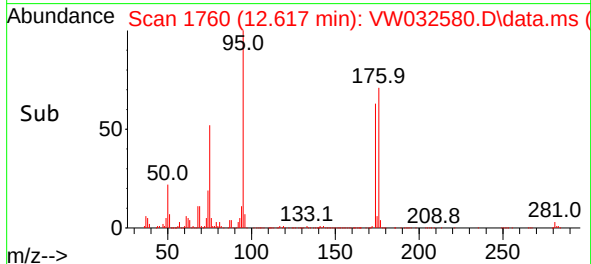
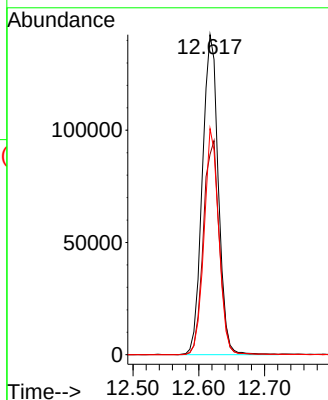
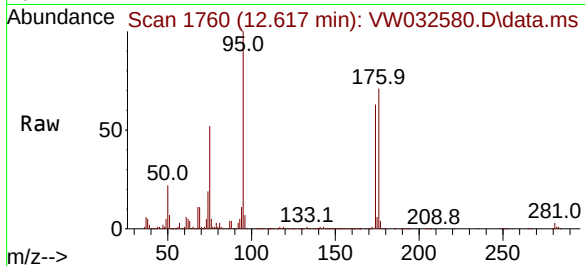




#62
4-Bromofluorobenzene
Concen: 45.581 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

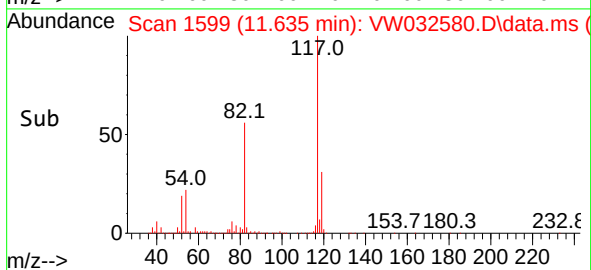
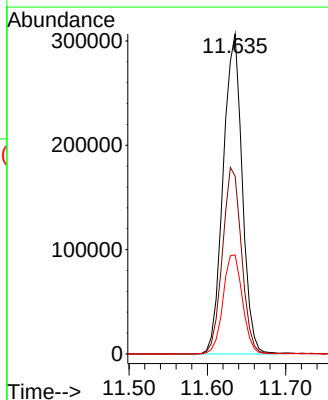
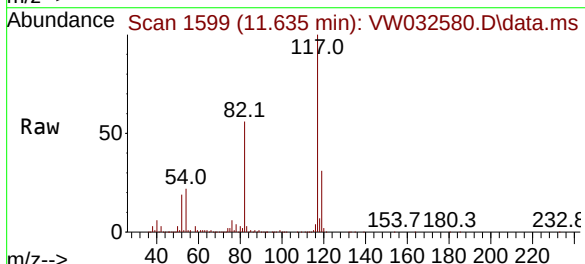
Instrument :
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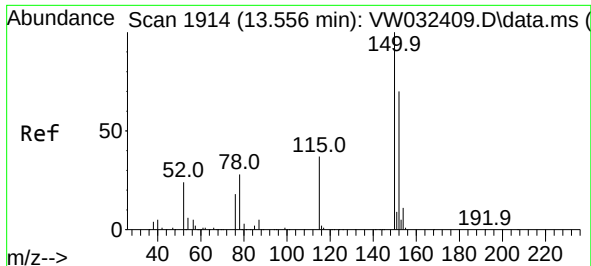
Tgt Ion: 95 Resp: 240797
Ion Ratio Lower Upper
95 100
174 67.1 0.0 141.2
176 65.1 0.0 130.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 117 Resp: 518204
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 30.9 26.3 39.5

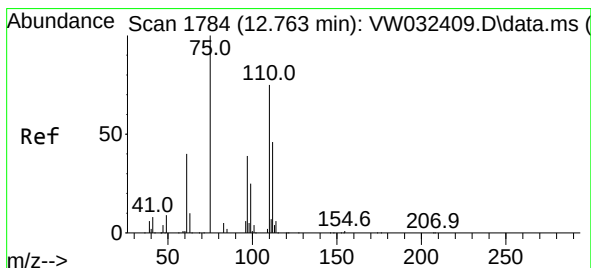
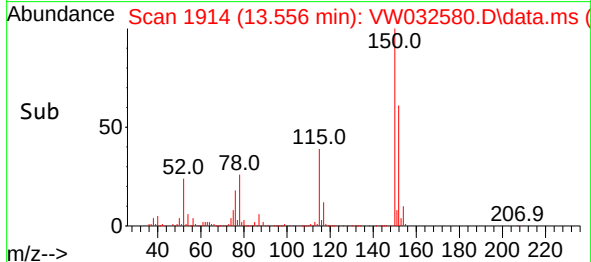
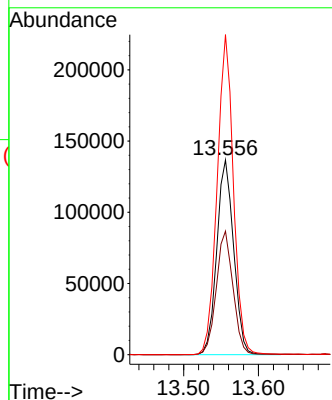
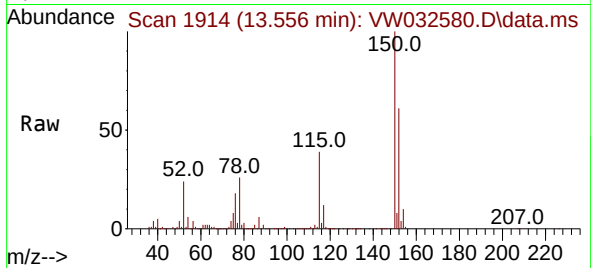




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

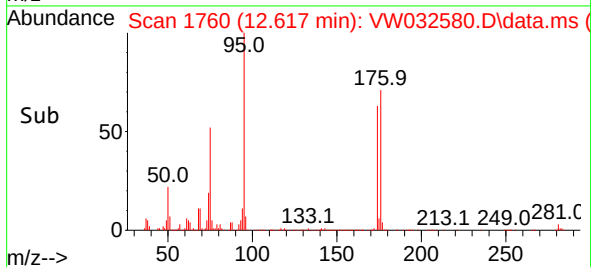
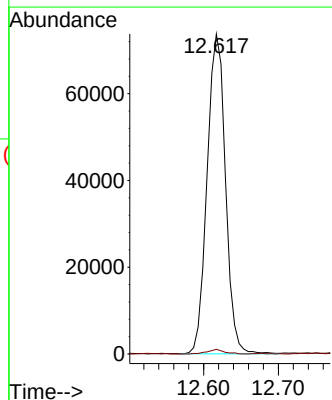
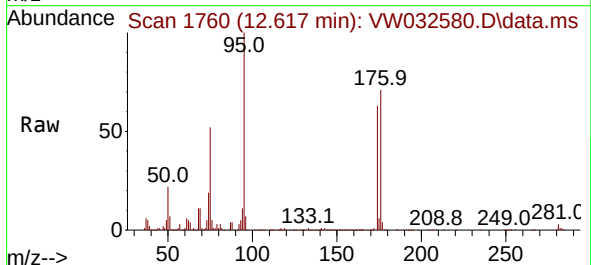
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

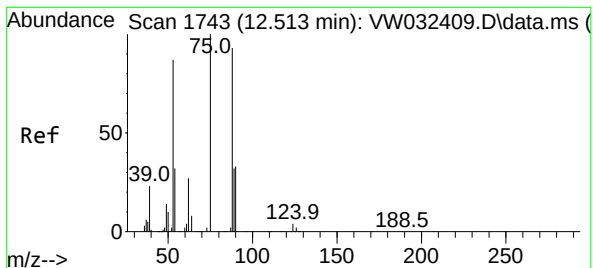
Tgt Ion:152 Resp: 215398
Ion Ratio Lower Upper
152 100
115 63.0 31.1 93.3
150 158.3 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 43.159 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032580.D
Acq: 05 Dec 2025 15:30

Tgt Ion: 75 Resp: 125795
Ion Ratio Lower Upper
75 100
77 1.3 148.2 444.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.510 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032580.D
 Acq: 05 Dec 2025 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 125795
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.8 121.2#
 89 0.2 31.4 47.2#

