

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032657.D
 Acq On : 16 Dec 2025 15:14
 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 17 00:42:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:33:11 2025
 Response via : Initial Calibration

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

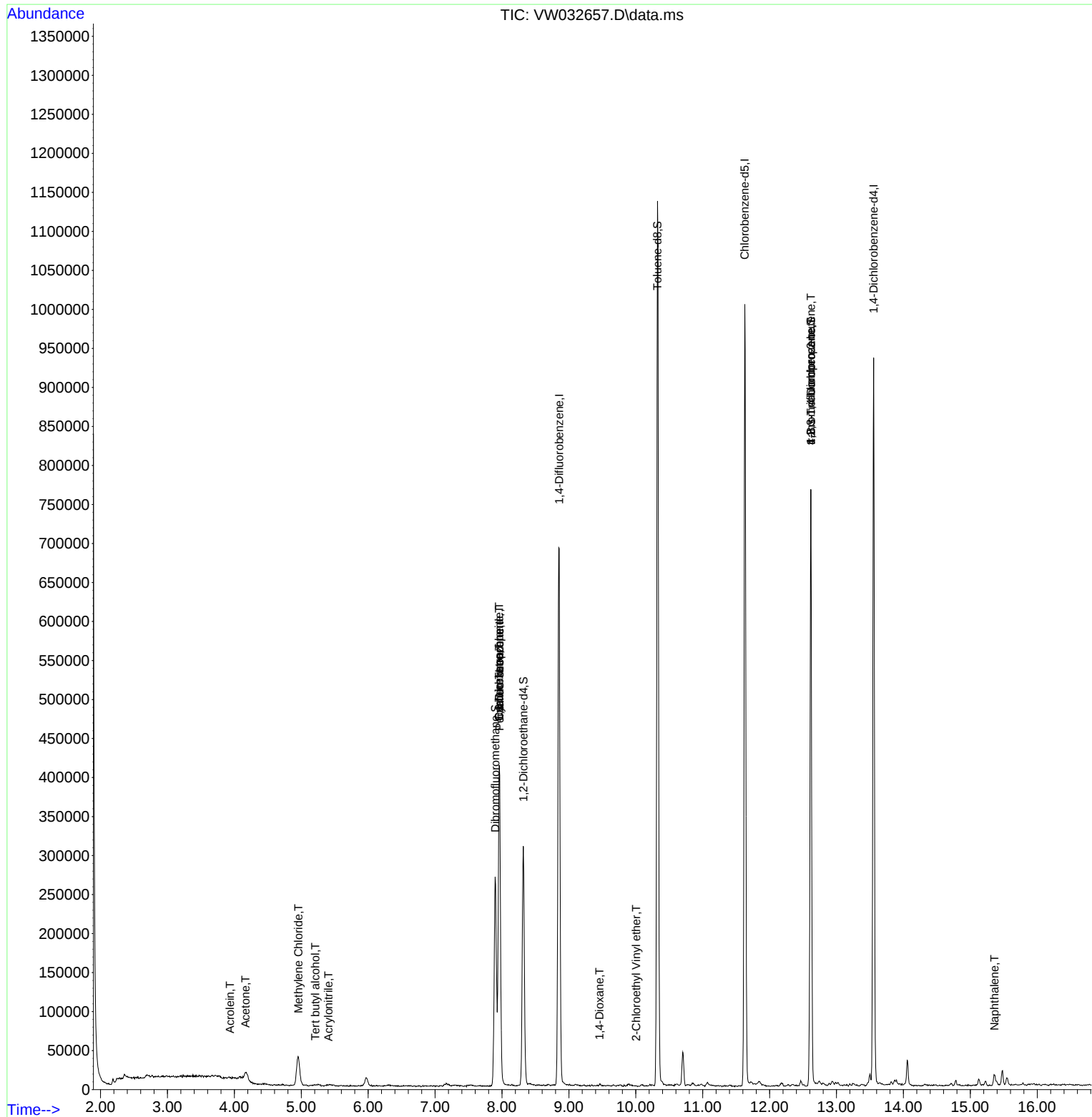
Internal Standards						
1) Pentafluorobenzene	7.965	168	289722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	590326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	540190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	232679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	247488	59.548	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.100%		
35) Dibromofluoromethane	7.898	113	196923	51.333	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.660%		
50) Toluene-d8	10.325	98	751238	51.969	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 103.940%		
62) 4-Bromofluorobenzene	12.617	95	262365	49.346	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 98.700%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	479	1.746	ug/l #	52
13) Acrolein	3.935	56	599	1.528	ug/l #	15
15) Acrylonitrile	5.405	53	2019	1.748	ug/l #	66
16) Acetone	4.167	43	18437	12.915	ug/l #	80
20) Methylene Chloride	4.960	84	30630	3.227	ug/l	91
31) Cyclohexane	7.959	56	7969	1.167	ug/l #	20
36) 1,1-Dichloropropene	7.959	75	27244	4.586	ug/l #	51
38) Carbon Tetrachloride	7.959	117	32091	5.706	ug/l #	18
49) 1,4-Dioxane	9.459	88	78	2.348	ug/l #	54
58) 2-Chloroethyl Vinyl ether	10.008	63	75	15.800	ug/l	98
76) 1,2,3-Trichloropropane	12.617	75	136464	25.676	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	136464	100.551	ug/l #	7
95) Naphthalene	15.360	128	12185	1.191	ug/l #	91

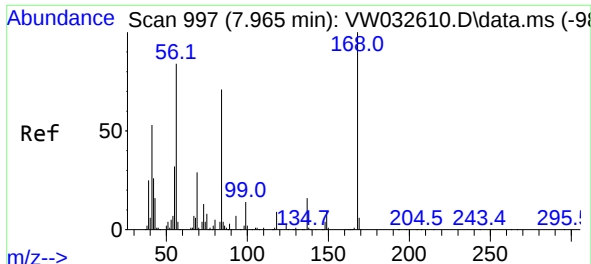
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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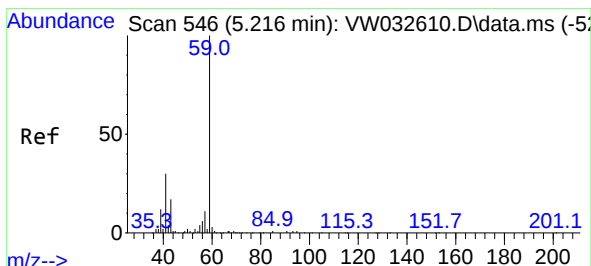
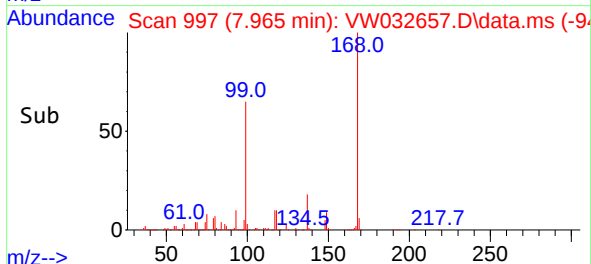
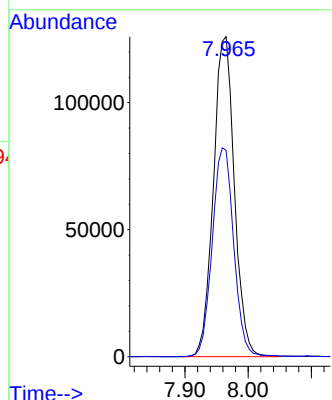
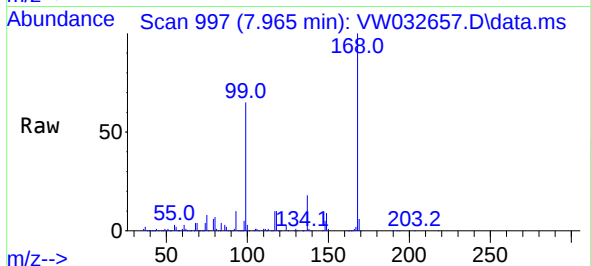




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

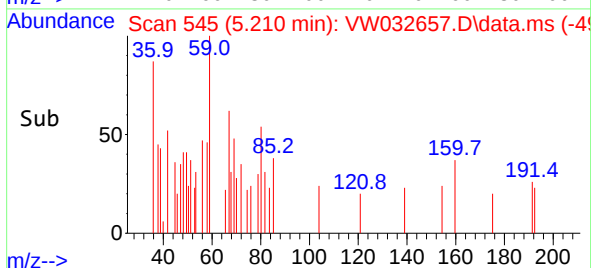
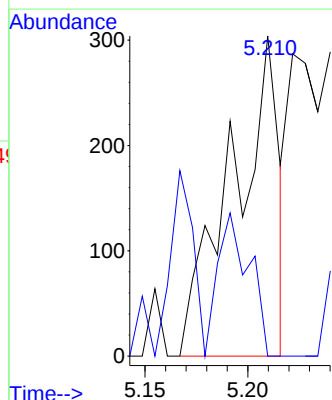
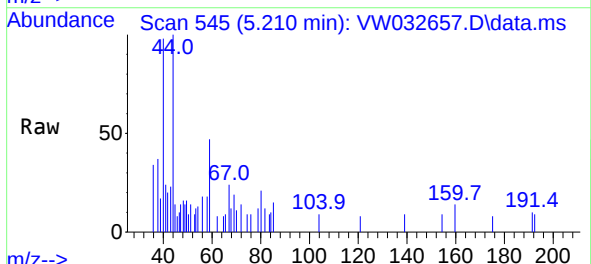
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

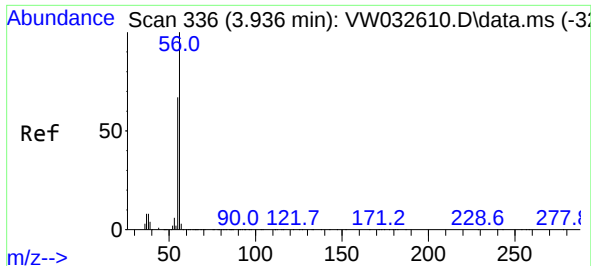
Tgt Ion:168 Resp: 289722
Ion Ratio Lower Upper
168 100
99 64.4 47.8 71.8



#11
Tert butyl alcohol
Concen: 1.746 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.000 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 30.3 9.4 14.0#

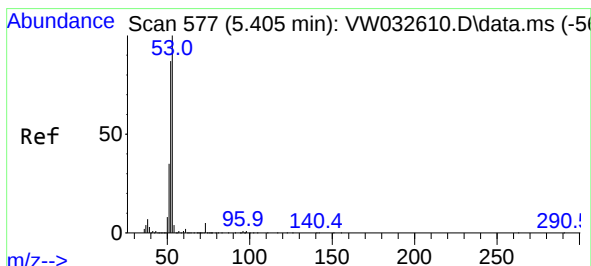
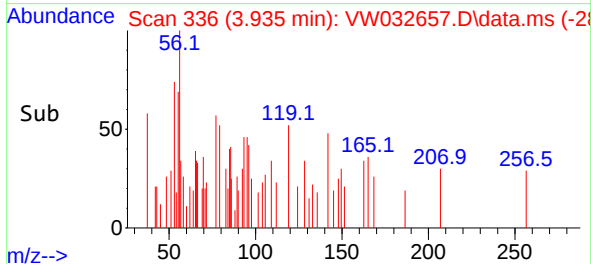
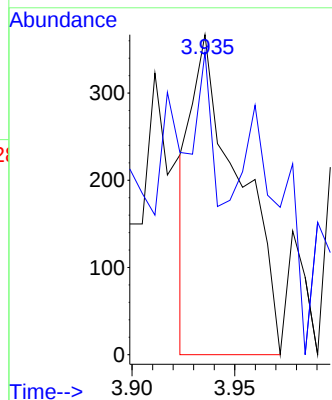
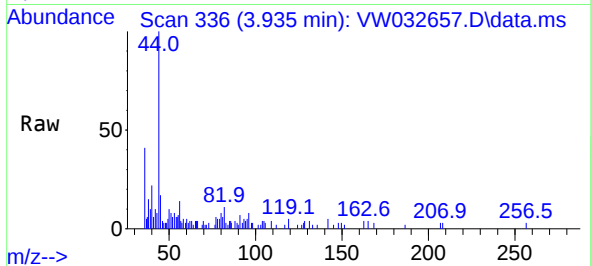




#13
Acrolein
Concen: 1.528 ug/l
RT: 3.935 min Scan# 311
Delta R.T. 0.006 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

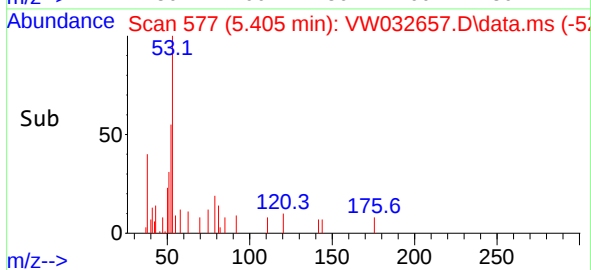
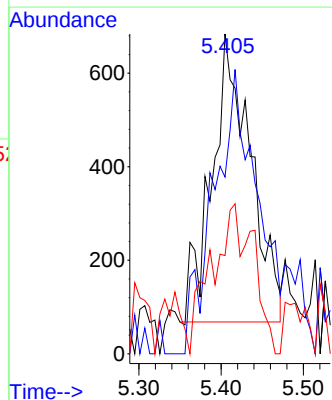
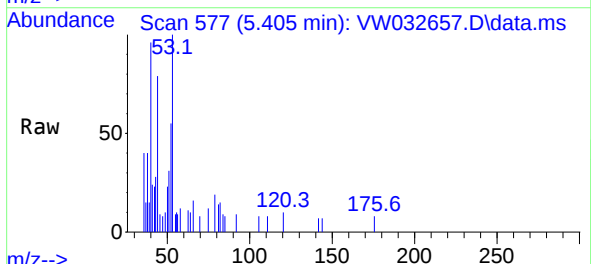
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

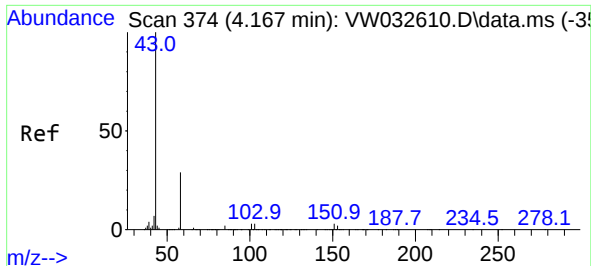
Tgt Ion: 56 Resp: 599
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#15
Acrylonitrile
Concen: 1.748 ug/l
RT: 5.405 min Scan# 577
Delta R.T. 0.012 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion: 53 Resp: 2019
Ion Ratio Lower Upper
53 100
52 110.7 66.7 100.1#
51 10.9 29.8 44.6#

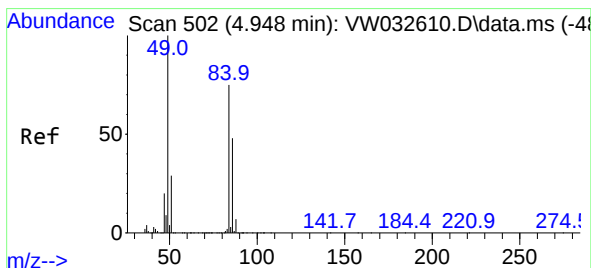
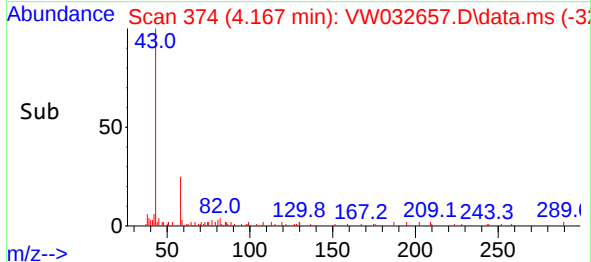
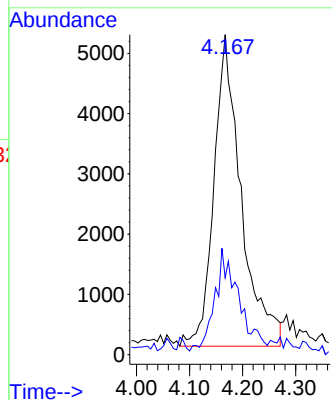
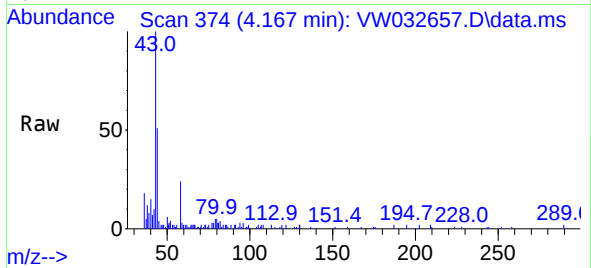




#16
Acetone
Concen: 12.915 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

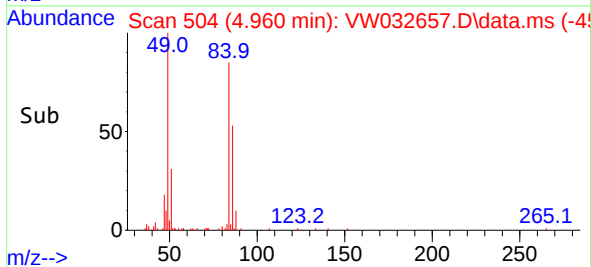
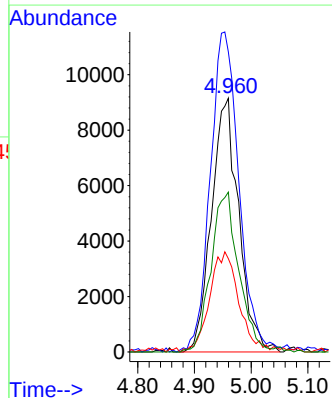
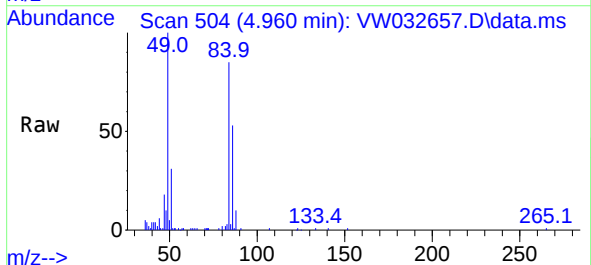
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

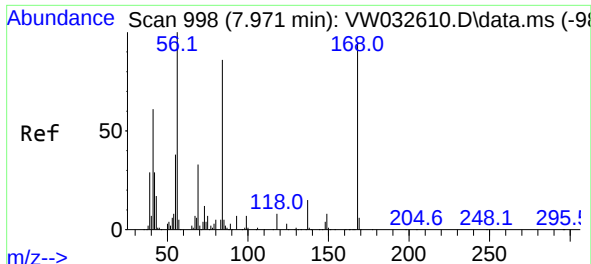
Tgt Ion: 43 Resp: 18437
Ion Ratio Lower Upper
43 100
58 19.2 23.9 35.9#



#20
Methylene Chloride
Concen: 3.227 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.012 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

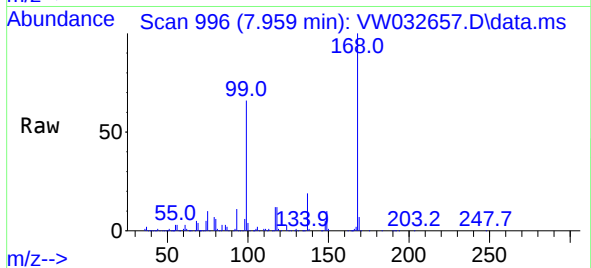
Tgt Ion: 84 Resp: 30630
Ion Ratio Lower Upper
84 100
49 117.5 106.9 160.3
51 36.8 31.4 47.2
86 63.0 51.1 76.7





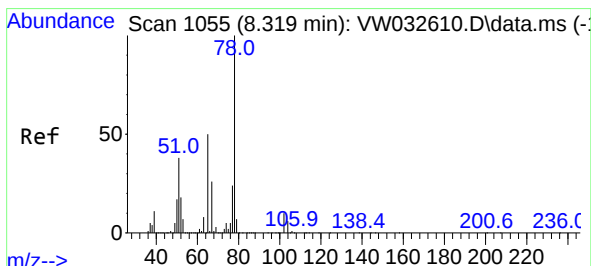
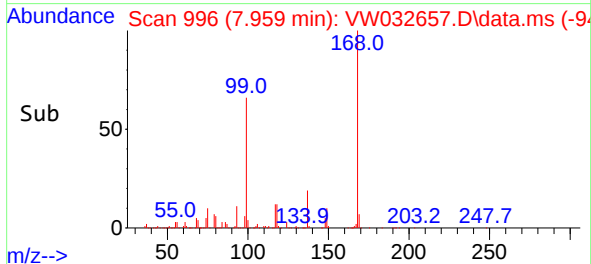
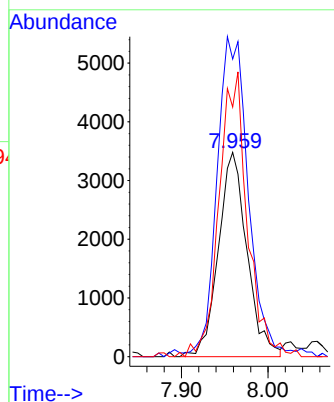
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Instrument :
MSVOA_W
ClientSampleId :
VIBLK



Tgt Ion: 56 Resp: 7969

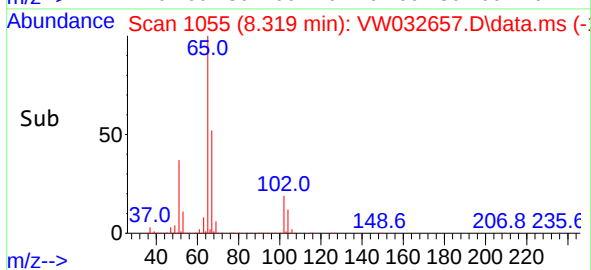
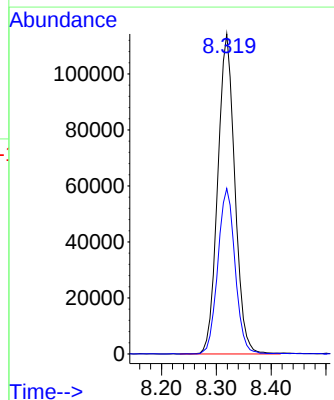
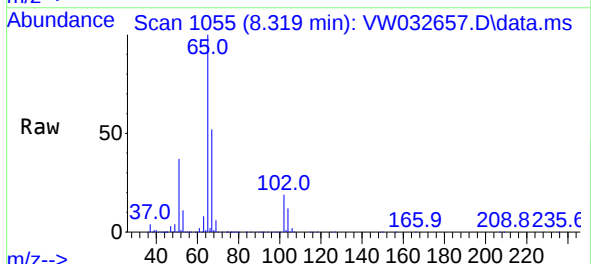
Ion	Ratio	Lower	Upper
56	100		
69	143.8	26.2	39.2#
84	118.6	68.9	103.3#

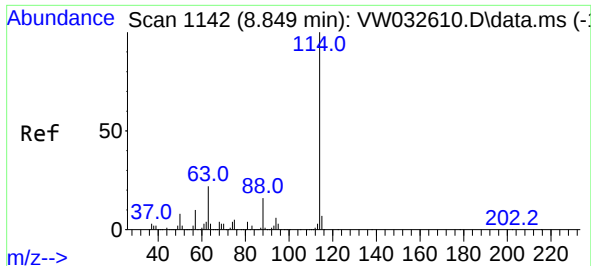


#33
1,2-Dichloroethane-d4
Concen: 59.548 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion: 65 Resp: 247488

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.6

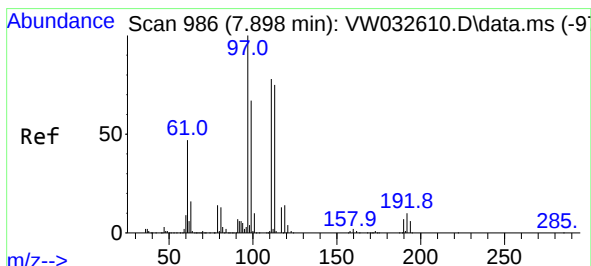
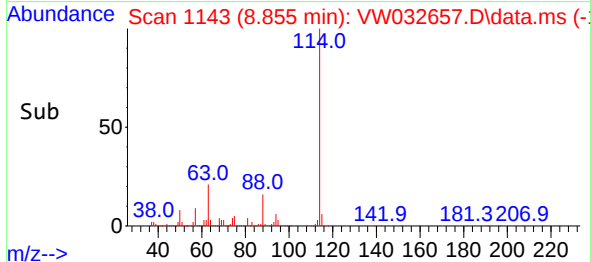
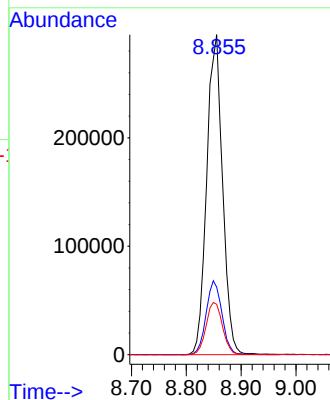
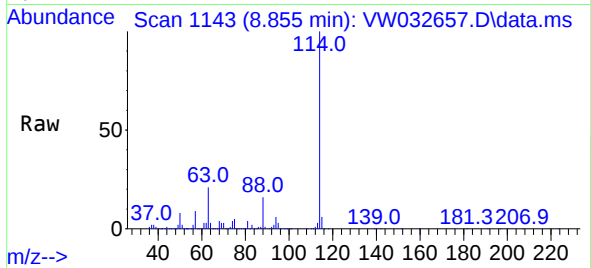




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

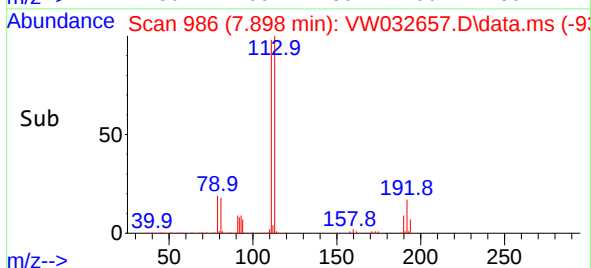
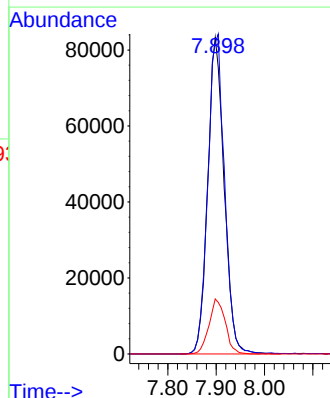
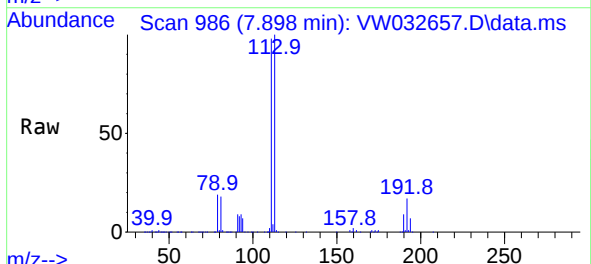
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ClientSampleId :
VIBLK

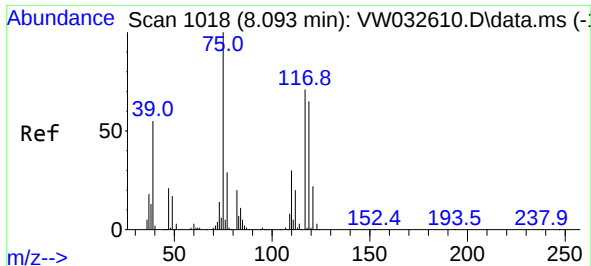
Tgt Ion:114 Resp: 590326
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.333 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.006 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion:113 Resp: 196923
Ion Ratio Lower Upper
113 100
111 102.1 85.2 127.8
192 17.2 13.3 19.9

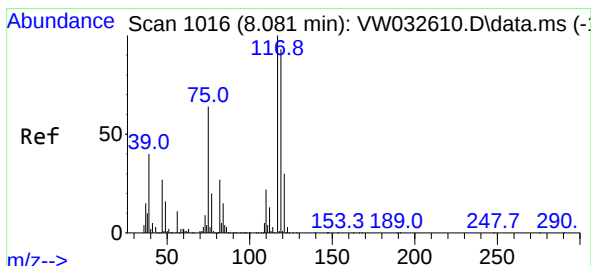
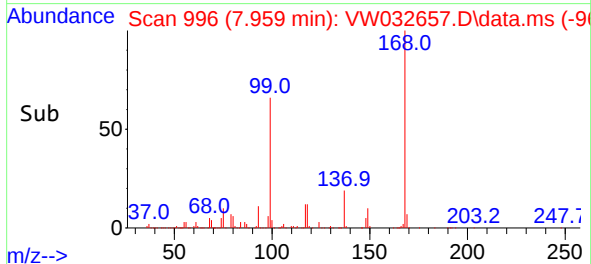
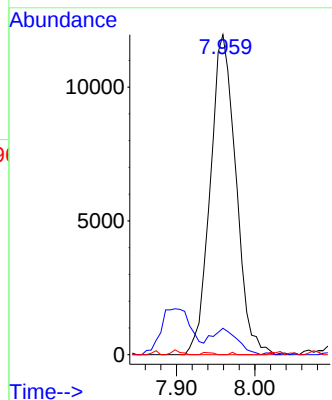
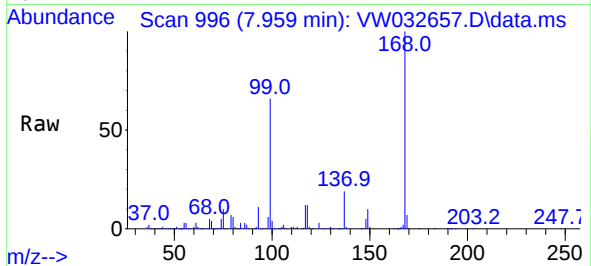




#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

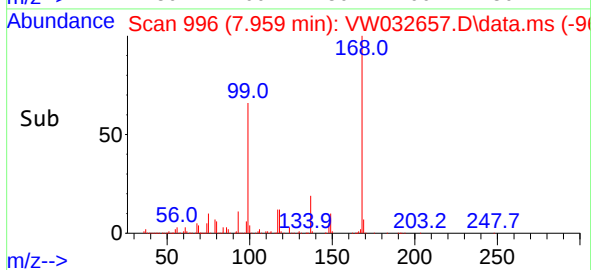
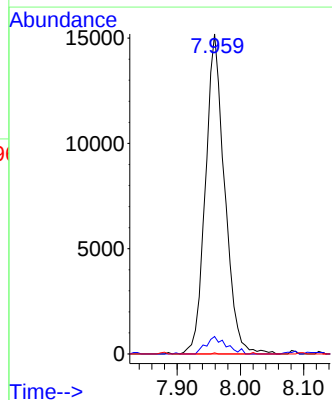
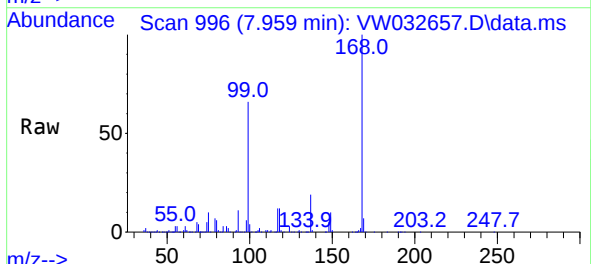
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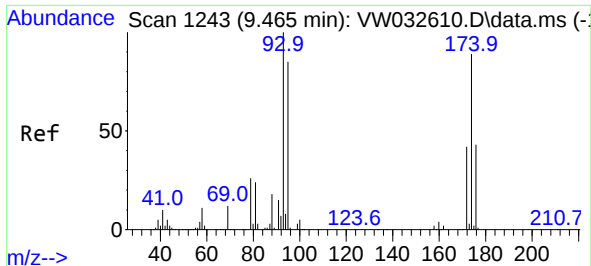
Tgt Ion: 75 Resp: 27244
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.1 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.116 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion: 117 Resp: 32091
Ion Ratio Lower Upper
117 100
119 5.5 74.3 111.5#
121 0.3 23.6 35.4#





#49

1,4-Dioxane

Concen: 2.348 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032657.D

Acq: 16 Dec 2025 15:14

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

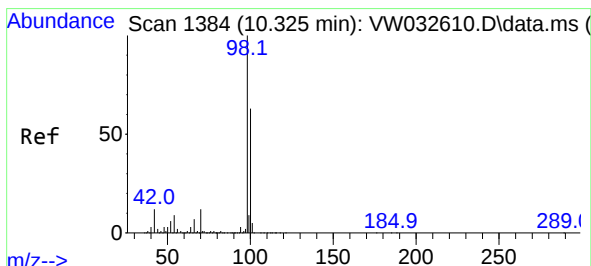
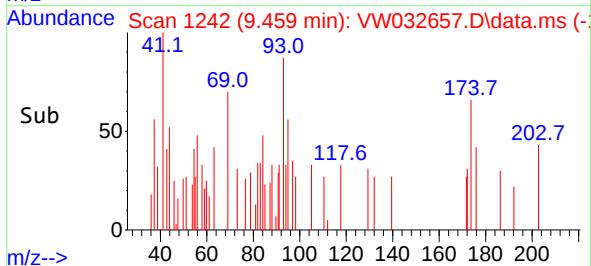
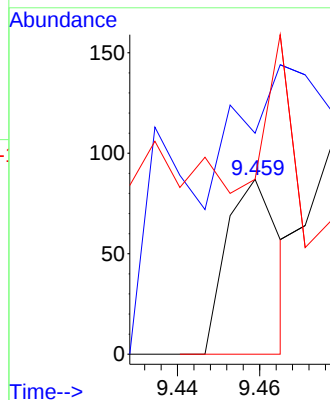
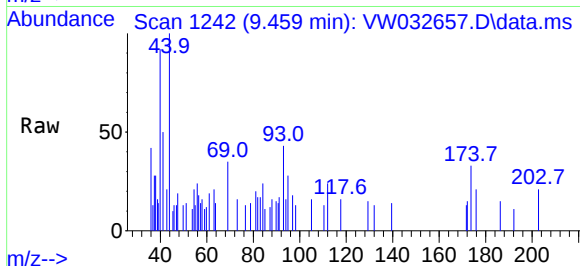
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 428.2 0.0 0.0#

58 120.5 63.8 95.8#



#50

Toluene-d8

Concen: 51.969 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032657.D

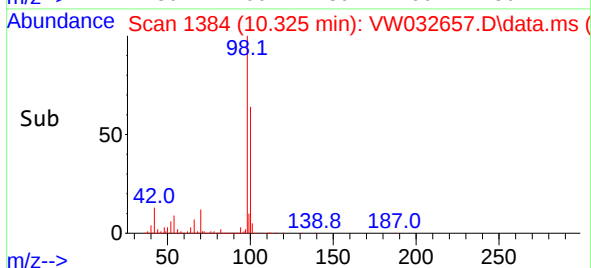
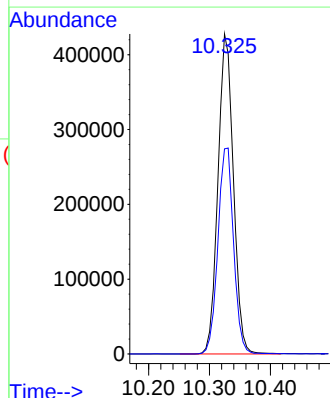
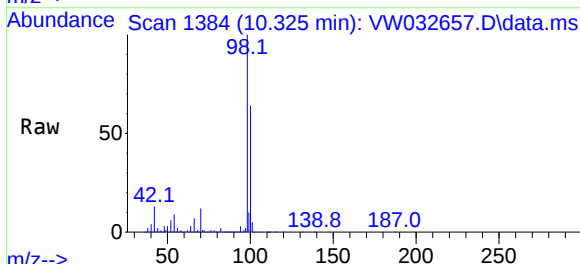
Acq: 16 Dec 2025 15:14

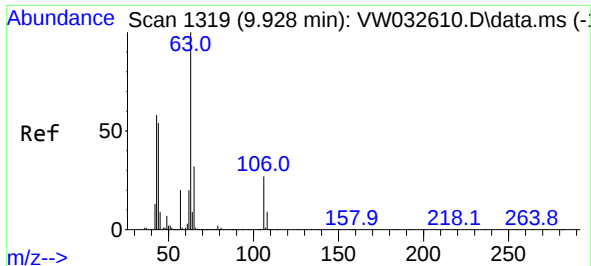
Tgt Ion: 98 Resp: 751238

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2

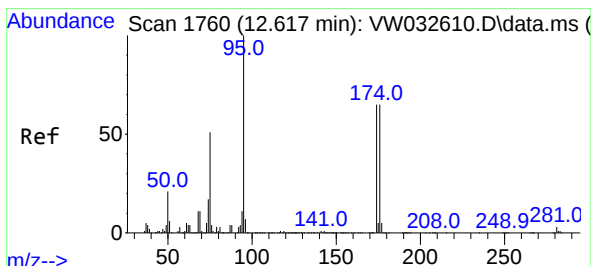
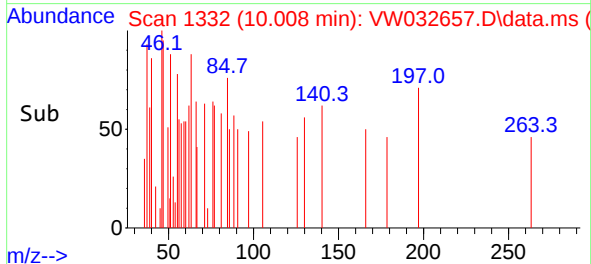
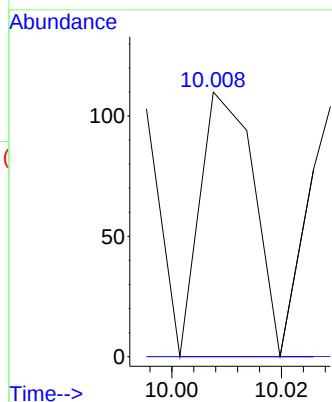
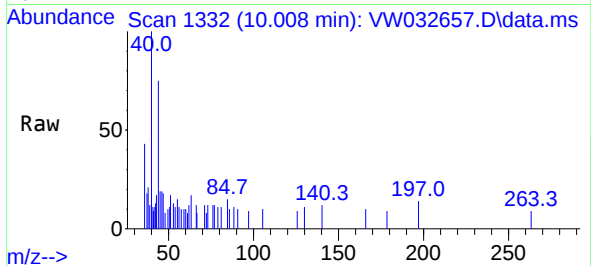




#58
2-Chloroethyl Vinyl ether
Concen: 15.800 ug/l
RT: 10.008 min Scan# 11
Delta R.T. 0.079 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

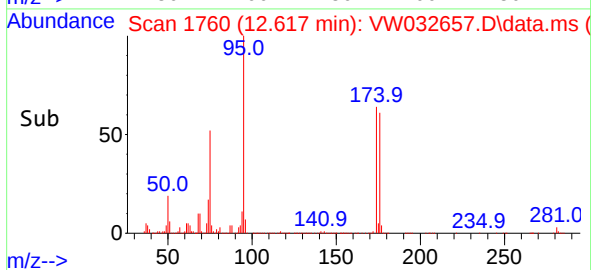
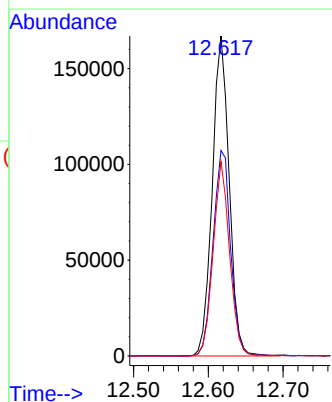
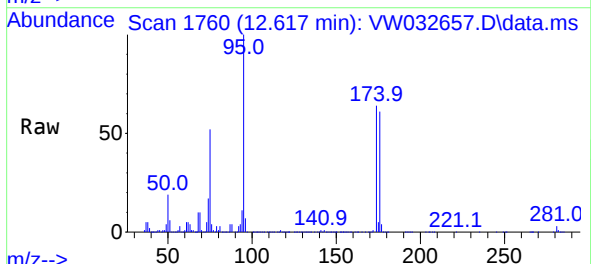
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

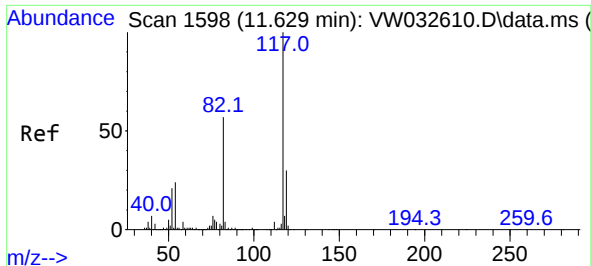
Tgt Ion: 63 Resp: 75
Ion Ratio Lower Upper
63 100
106 25.3 21.3 31.9



#62
4-Bromofluorobenzene
Concen: 49.346 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion: 95 Resp: 262365
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.0
176 59.1 0.0 123.4

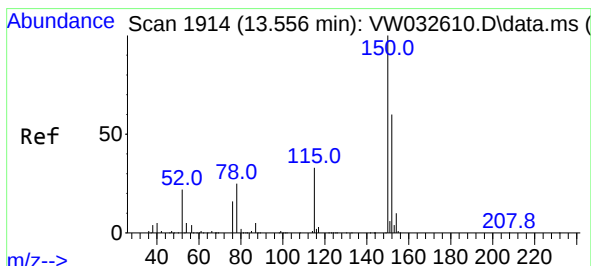
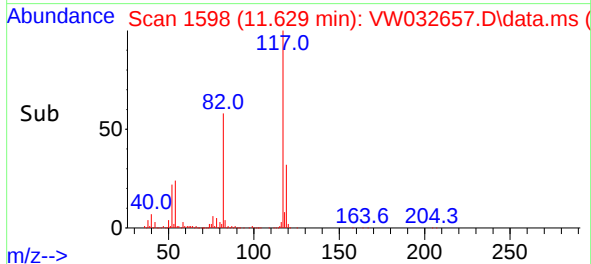
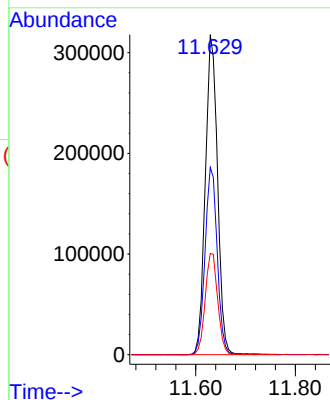
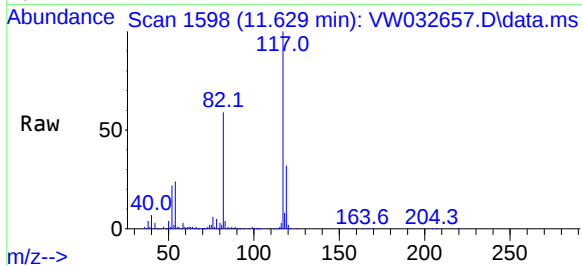




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

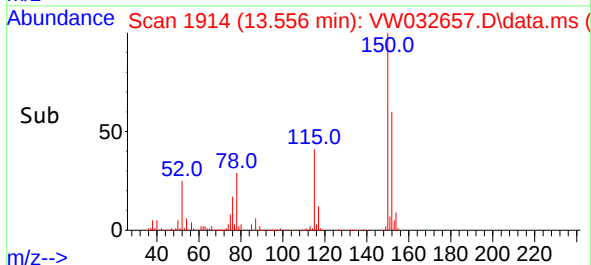
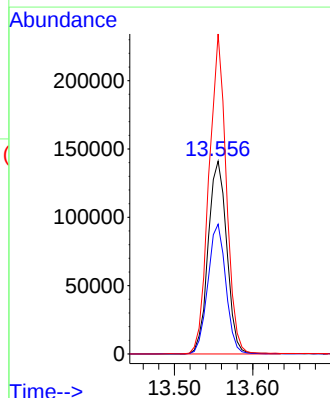
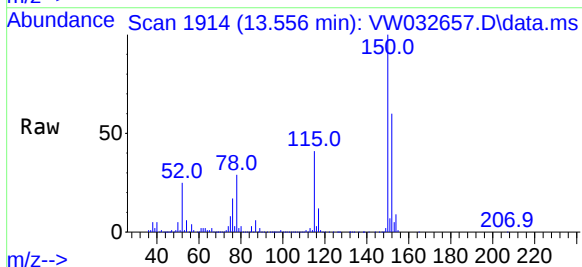
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

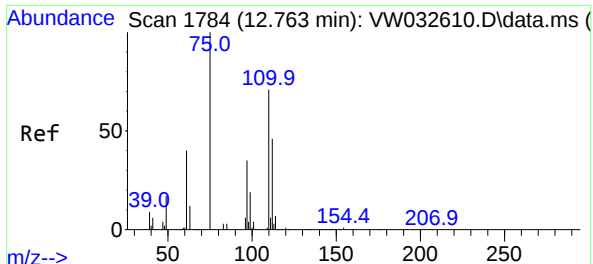
Tgt Ion:117	Resp:	540190
Ion	Ratio	Lower Upper
117	100	
82	58.5	45.5 68.3
119	31.7	23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion:152	Resp:	232679
Ion	Ratio	Lower Upper
152	100	
115	65.0	33.8 101.3
150	154.1	0.0 369.4

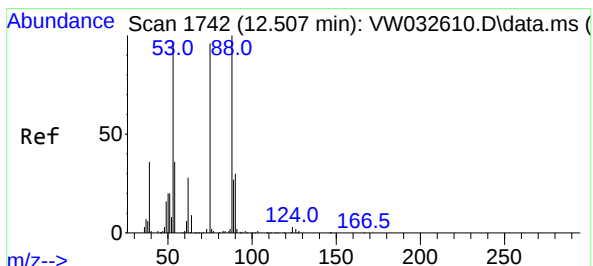
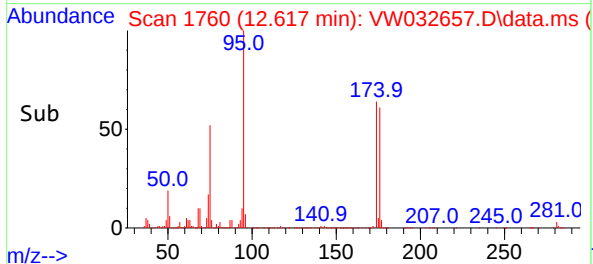
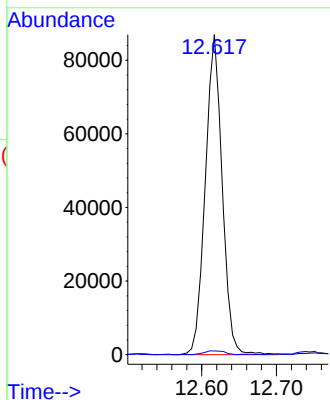
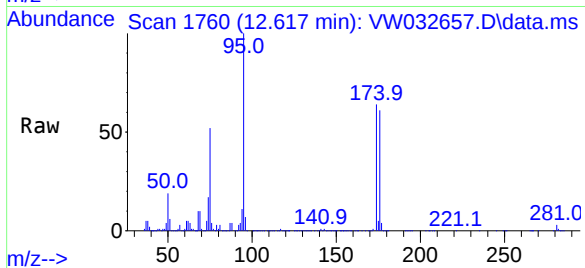




#76
1,2,3-Trichloropropane
Concen: 25.676 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

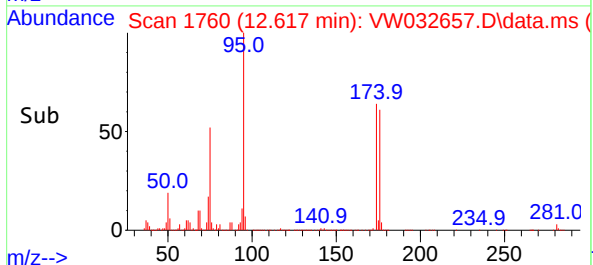
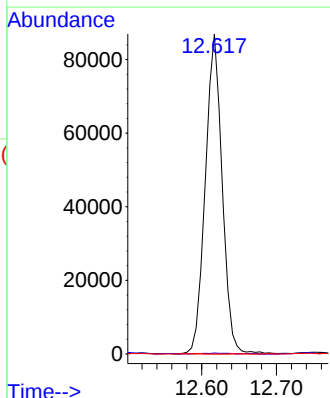
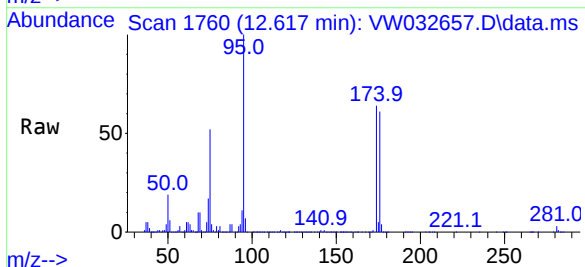
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

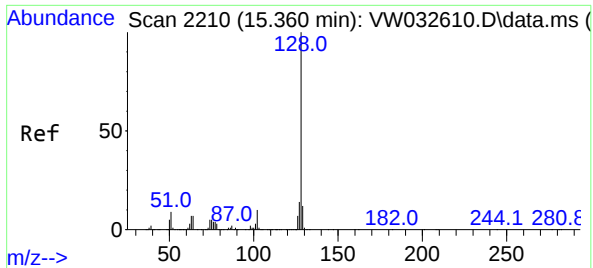
Tgt Ion: 75 Resp: 136464
Ion Ratio Lower Upper
75 100
77 1.5 154.0 462.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.551 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Tgt Ion: 75 Resp: 136464
Ion Ratio Lower Upper
75 100
53 0.5 86.1 129.1#
89 0.0 37.4 56.2#





#95
Naphthalene
Concen: 1.191 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032657.D
Acq: 16 Dec 2025 15:14

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:	128	Resp:	12185
Ion	Ratio	Lower	Upper
128	100		
127	17.2	10.5	15.7#
129	14.0	9.0	13.6#

