

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032569.D
 Acq On : 03 Dec 2025 13:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Dec 04 04:06:12 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	7.959	168	437871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	829230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	724062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	333986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	200786	30.813	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	61.620%#
35) Dibromofluoromethane	7.904	113	164620	30.167	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	60.340%#
50) Toluene-d8	10.325	98	590010	28.734	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	57.460%#
62) 4-Bromofluorobenzene	12.617	95	214568	28.284	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	56.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.167	59	2318	4.625	ug/l #	83
15) Acrylonitrile	5.411	53	2184	1.201	ug/l #	84
16) Acetone	4.161	43	15894	7.806	ug/l #	79
20) Methylene Chloride	4.960	84	15979	2.194	ug/l	92
25) 2-Butanone	7.161	43	6601	2.526	ug/l #	74
31) Cyclohexane	7.959	56	11102	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	40817	4.904	ug/l #	51
38) Carbon Tetrachloride	7.959	117	47337	6.122	ug/l #	16
49) 1,4-Dioxane	9.447	88	111	2.438	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	108149	23.930	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	108149	56.284	ug/l #	10

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

Quant Time: Dec 04 04:06:12 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

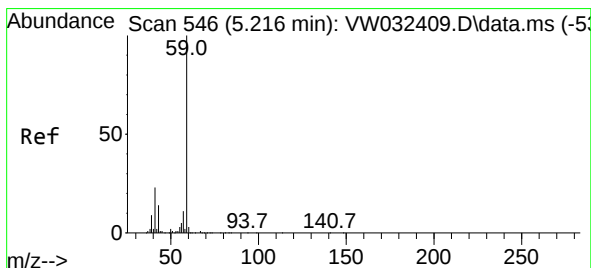
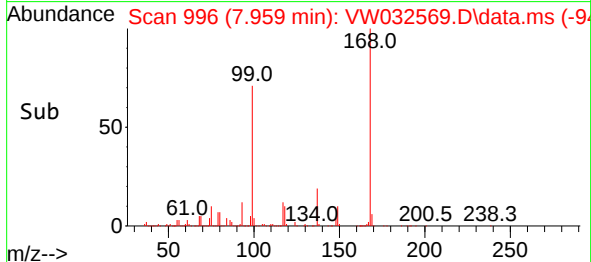
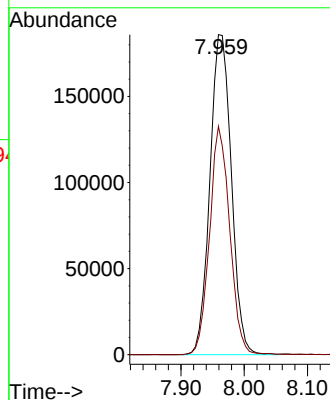
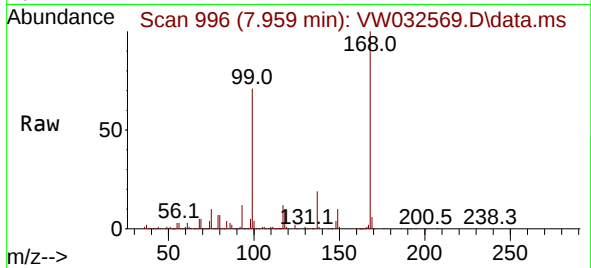




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

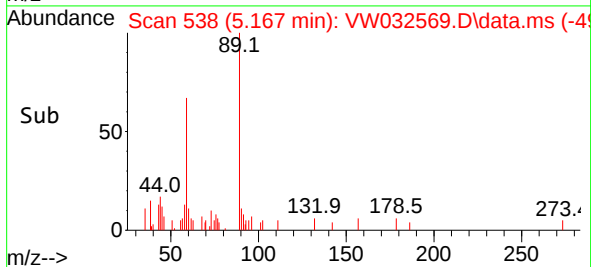
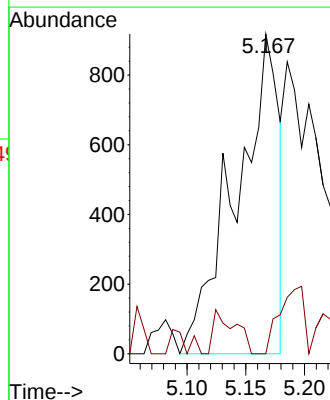
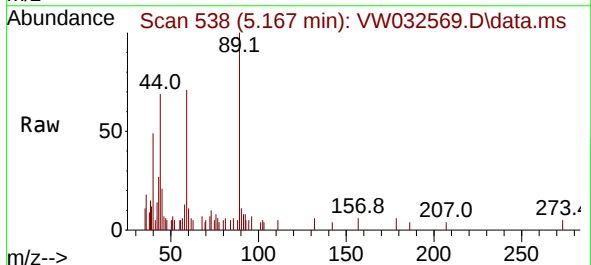
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

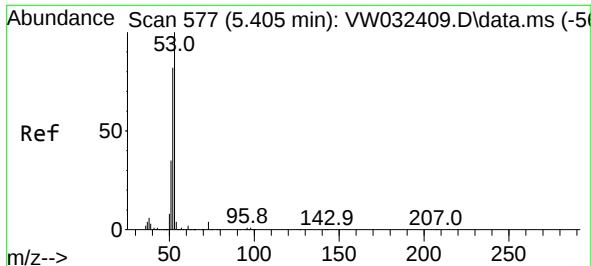
Tgt Ion:168 Resp: 437871
Ion Ratio Lower Upper
168 100
99 71.3 51.8 77.8



#11
Tert butyl alcohol
Concen: 4.625 ug/l
RT: 5.167 min Scan# 538
Delta R.T. -0.043 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 59 Resp: 2318
Ion Ratio Lower Upper
59 100
57 0.0 4.6 6.8#

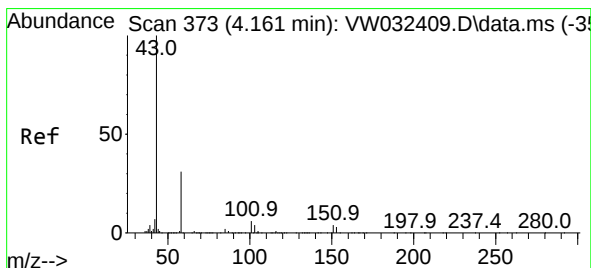
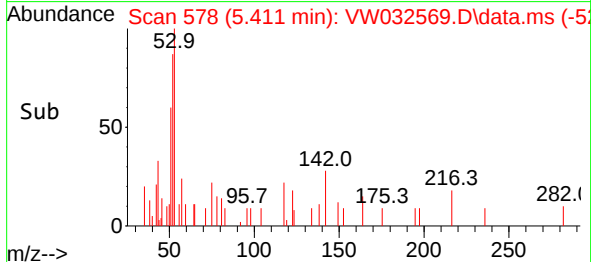
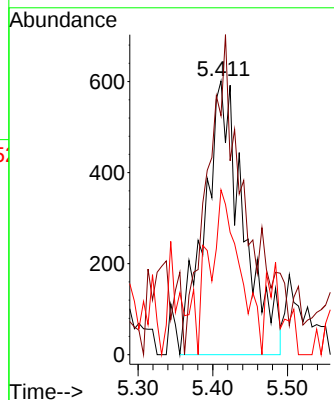
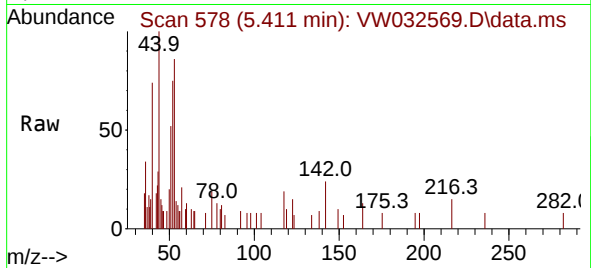




#15
Acrylonitrile
Concen: 1.201 ug/l
RT: 5.411 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

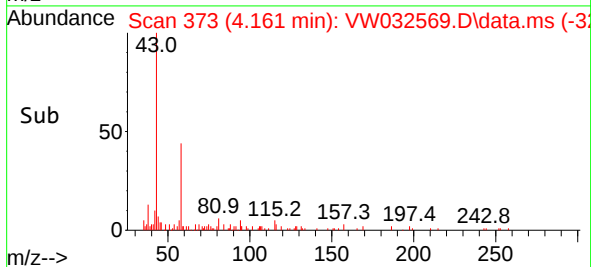
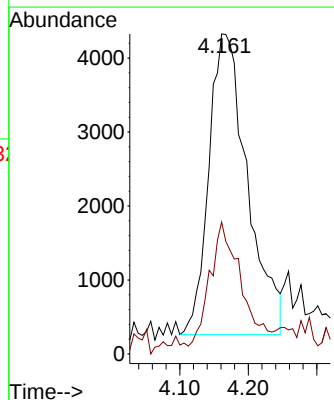
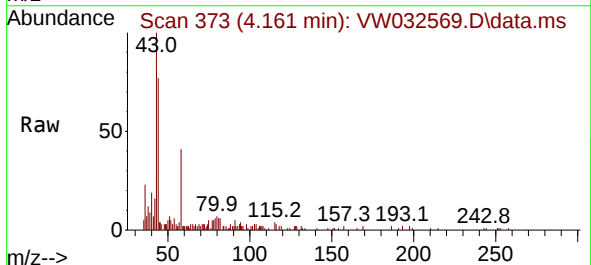
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

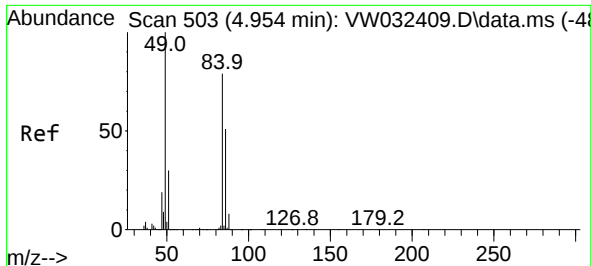
Tgt Ion: 53 Resp: 2184
Ion Ratio Lower Upper
53 100
52 97.1 66.2 99.2
51 46.1 29.3 43.9#



#16
Acetone
Concen: 7.806 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 43 Resp: 15894
Ion Ratio Lower Upper
43 100
58 40.9 23.5 35.3#



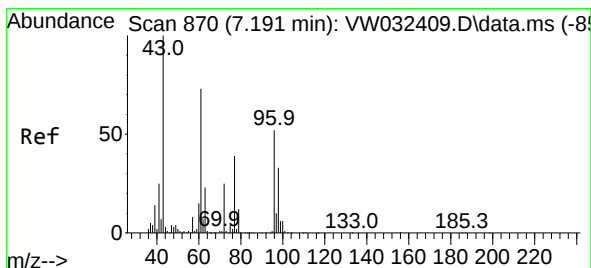
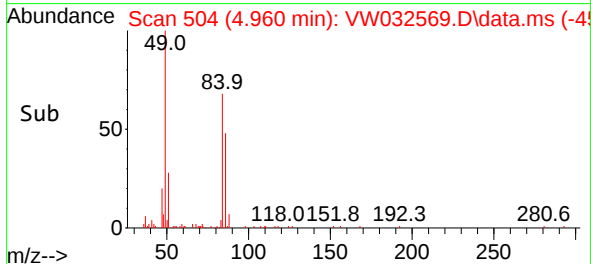
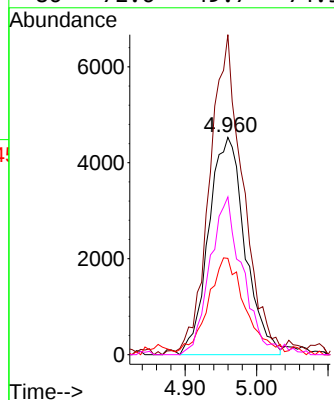
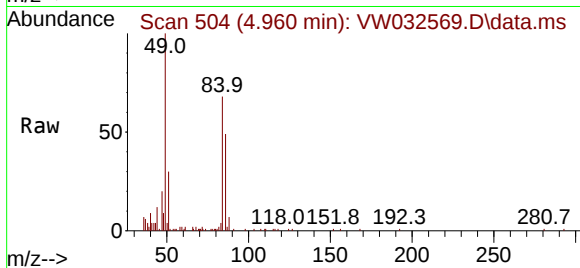


#20
Methylene Chloride
Concen: 2.194 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 15979

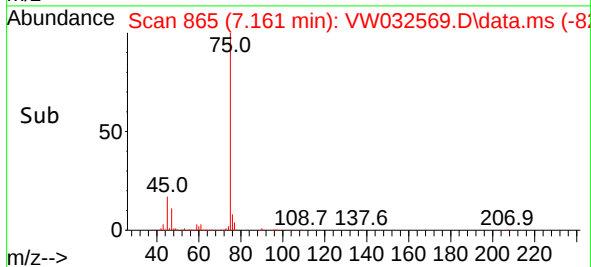
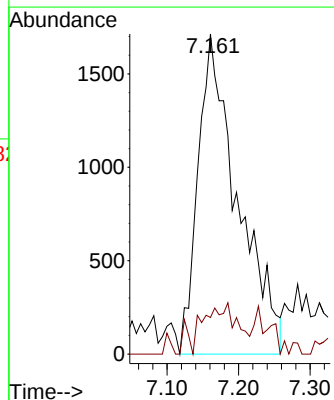
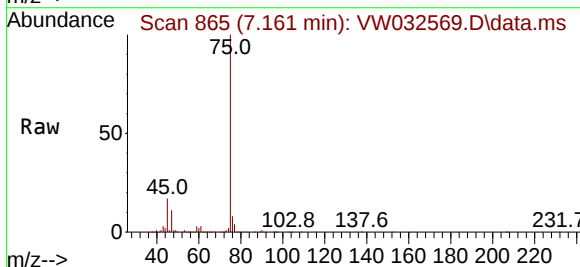
Ion	Ratio	Lower	Upper
84	100		
49	144.4	107.6	161.4
51	42.0	33.9	50.9
86	72.6	49.7	74.5

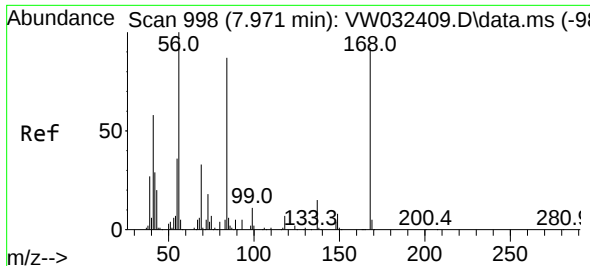


#25
2-Butanone
Concen: 2.526 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.031 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 43 Resp: 6601

Ion	Ratio	Lower	Upper
43	100		
72	11.4	19.7	29.5

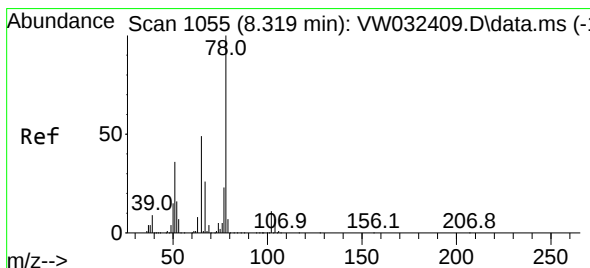
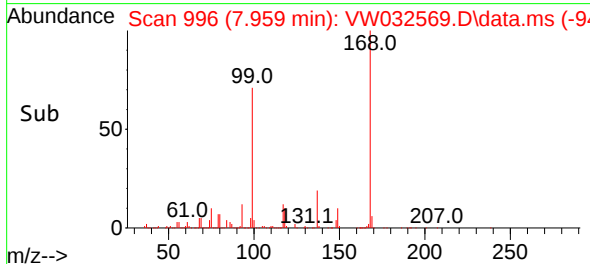
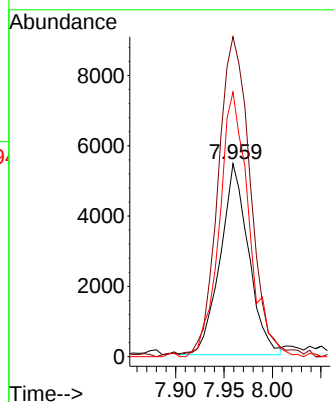
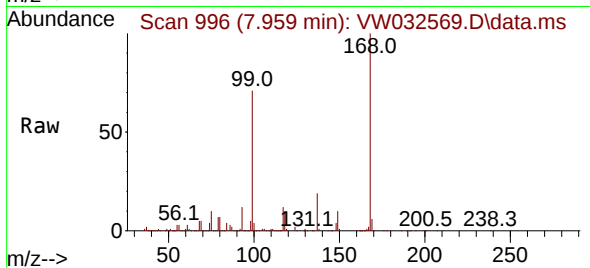




#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

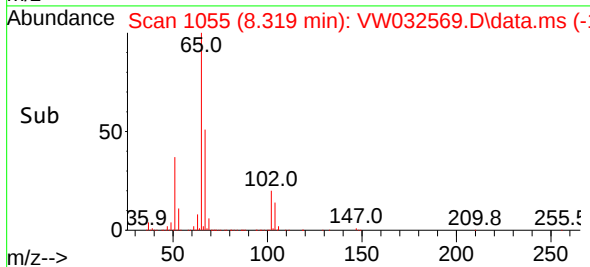
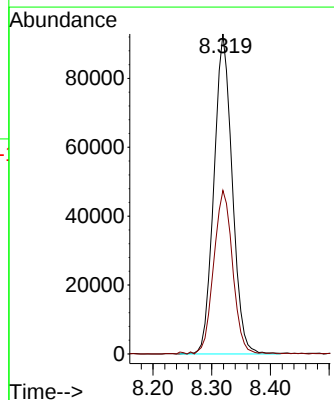
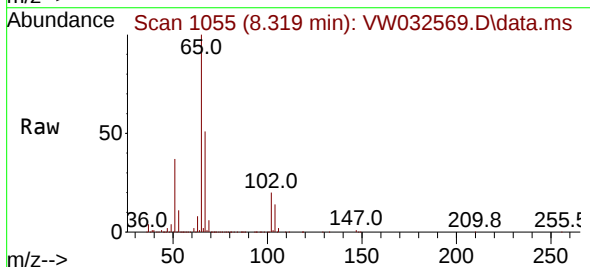
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

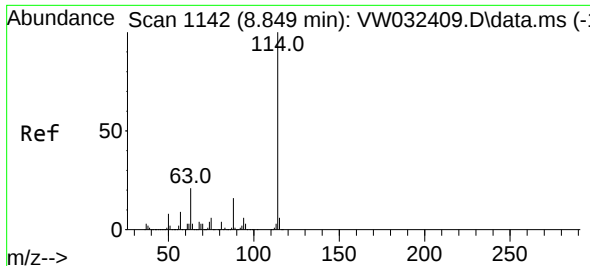
Tgt Ion: 56 Resp: 11102
Ion Ratio Lower Upper
56 100
69 165.9 27.3 40.9#
84 138.5 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 30.813 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 65 Resp: 200786
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.0

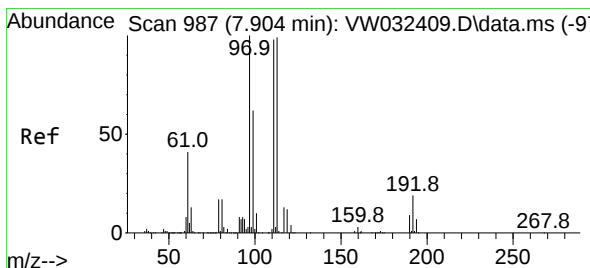
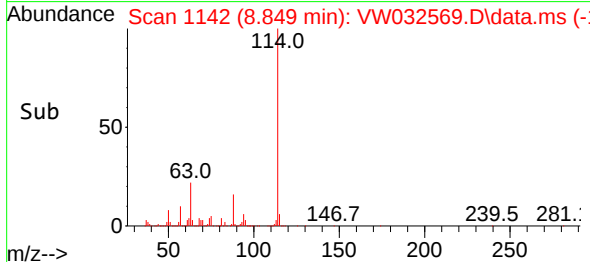
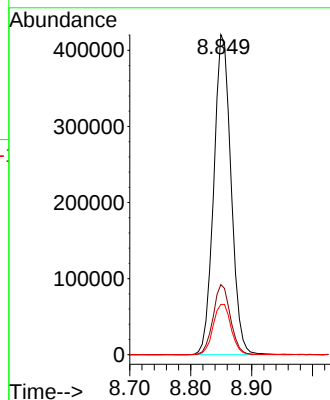
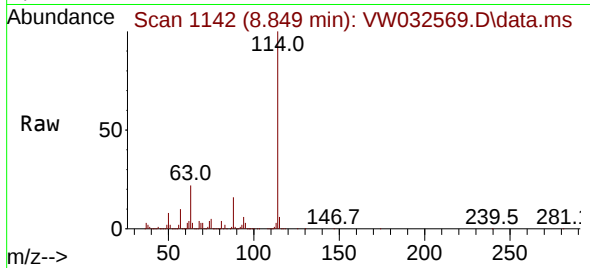




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

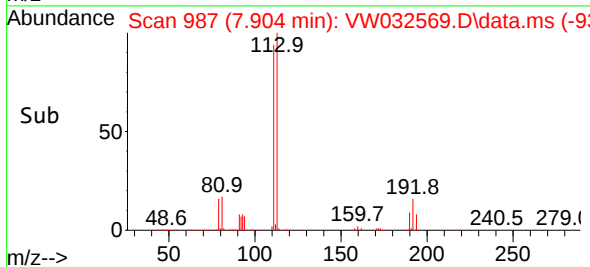
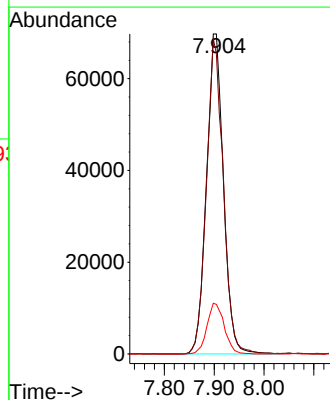
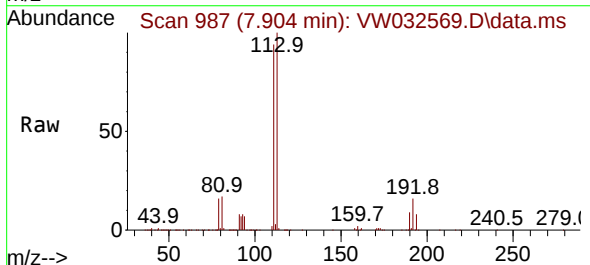
Instrument :
MSVOA_W
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VIBLK

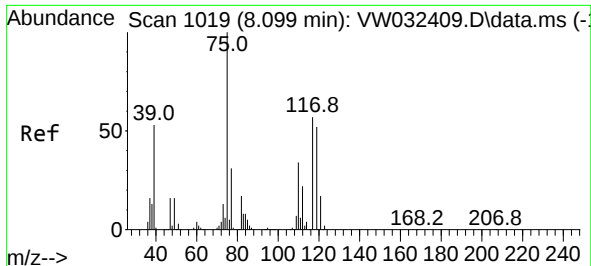
Tgt Ion:114 Resp: 829230
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.6
88 15.7 0.0 31.2



#35
Dibromofluoromethane
Concen: 30.167 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion:113 Resp: 164620
Ion Ratio Lower Upper
113 100
111 98.0 83.4 125.0
192 16.1 13.4 20.2

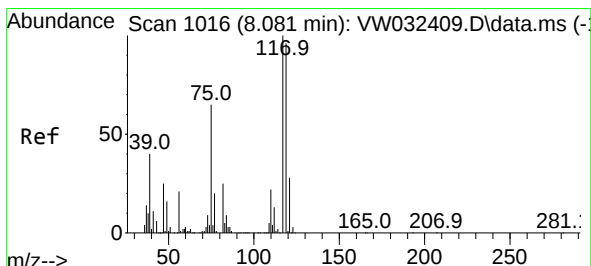
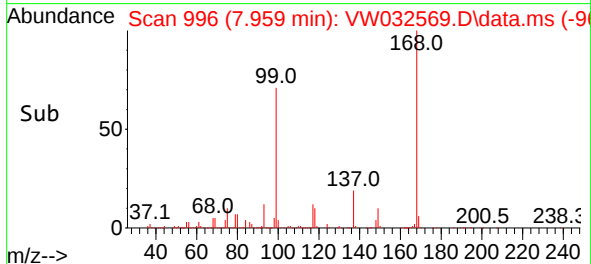
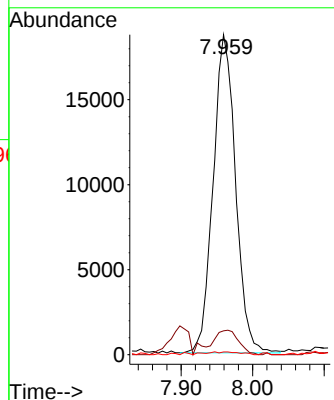
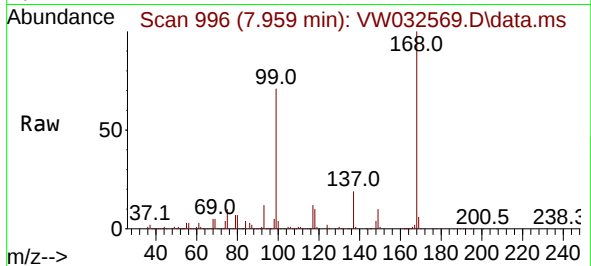




#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

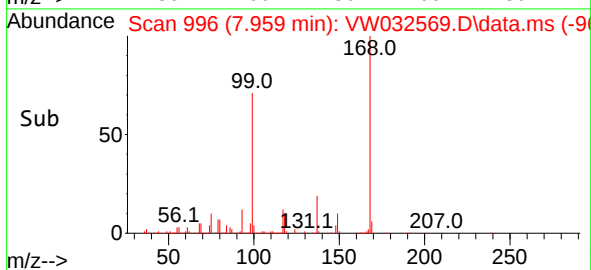
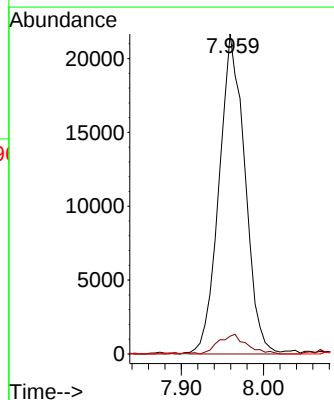
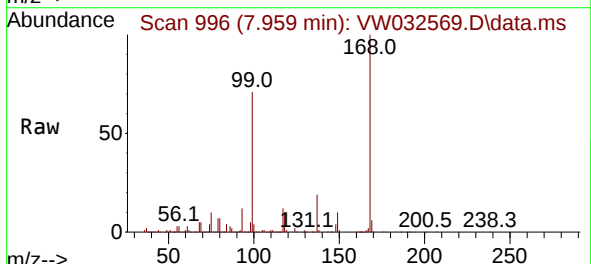
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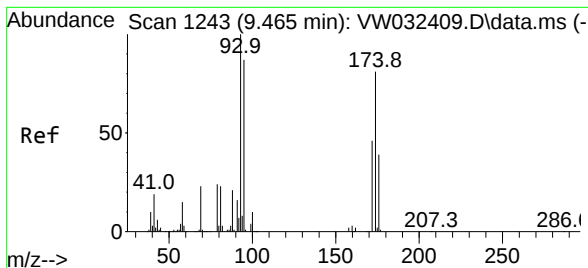
Tgt Ion: 75 Resp: 40817
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.6#
77 0.6 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 117 Resp: 47337
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 25.4 38.2#

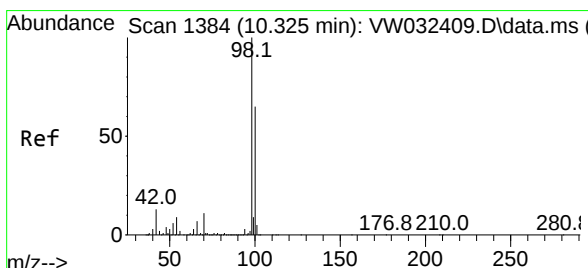
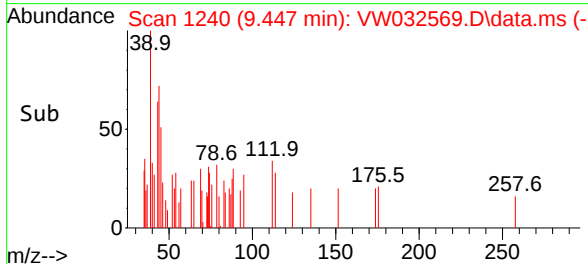
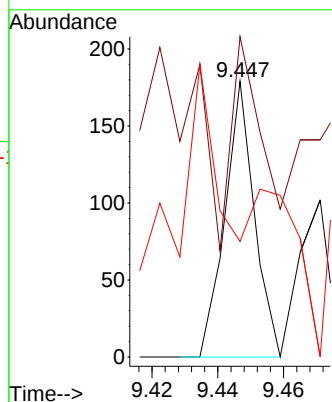
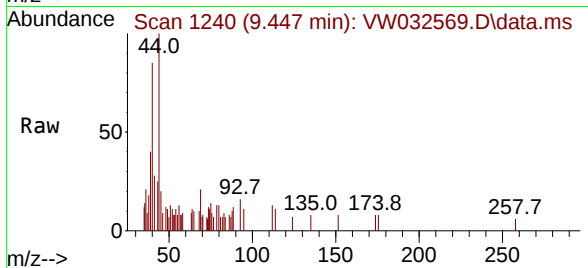




#49
1,4-Dioxane
Concen: 2.438 ug/l
RT: 9.447 min Scan# 111
Delta R.T. -0.012 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

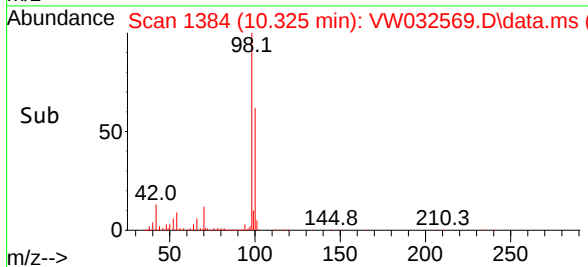
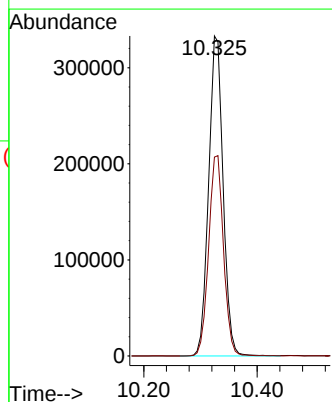
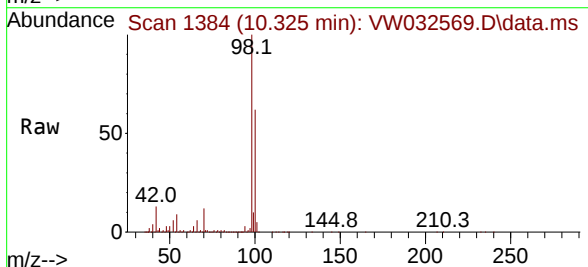
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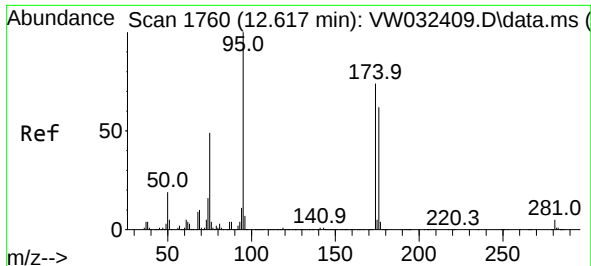
Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 80.2 0.0 0.0#
58 209.0 65.2 97.8#



#50
Toluene-d8
Concen: 28.734 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 98 Resp: 590010
Ion Ratio Lower Upper
98 100
100 64.4 54.7 82.1

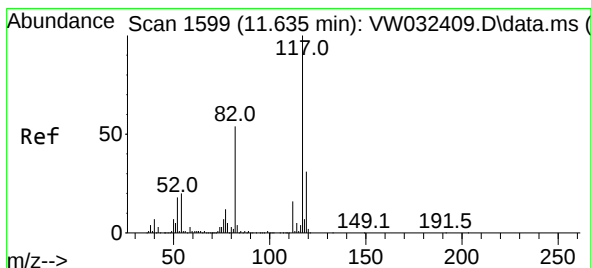
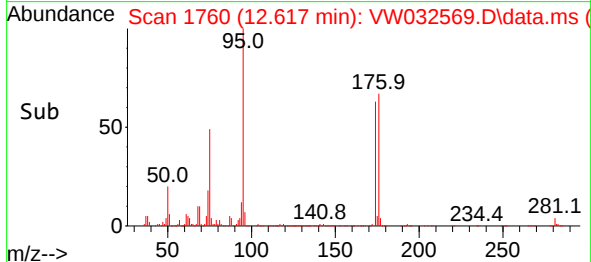
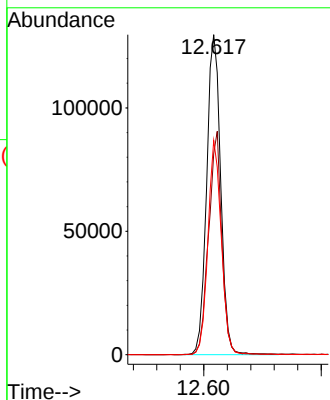
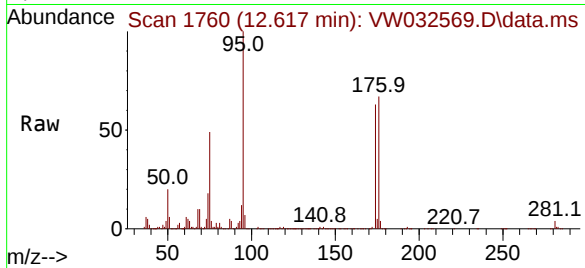




#62
4-Bromofluorobenzene
Concen: 28.284 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

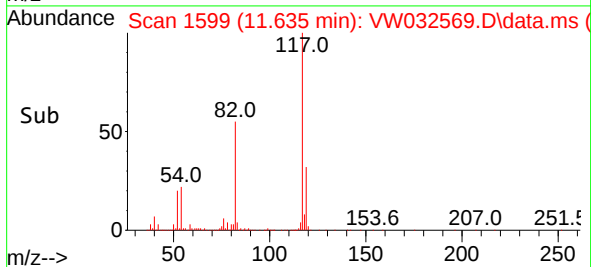
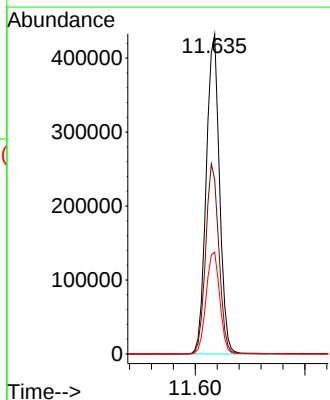
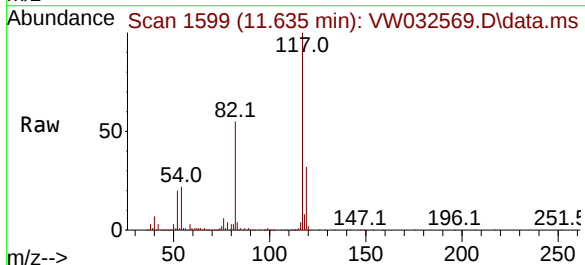
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

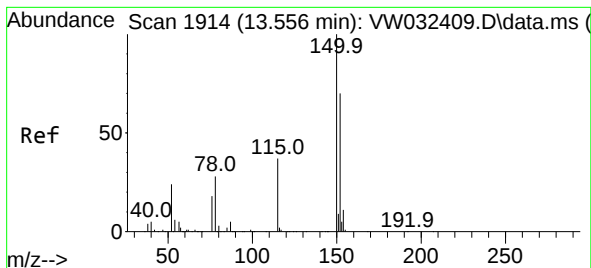
Tgt Ion: 95 Resp: 214568
Ion Ratio Lower Upper
95 100
174 65.8 0.0 141.2
176 64.0 0.0 130.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 117 Resp: 724062
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 31.9 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: VW032569.D

Acq: 03 Dec 2025 13:42

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

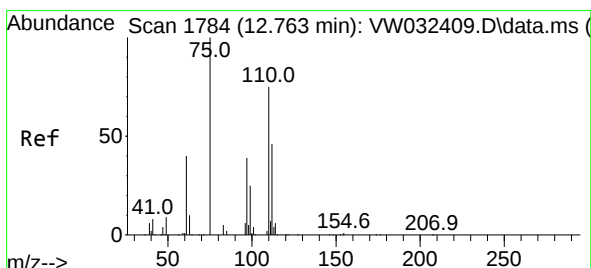
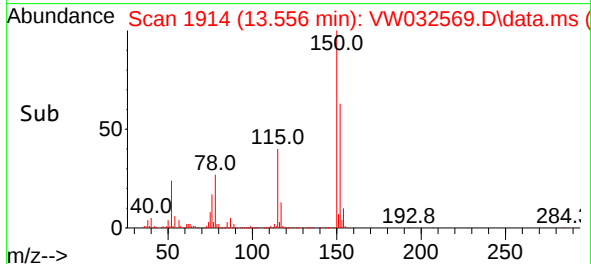
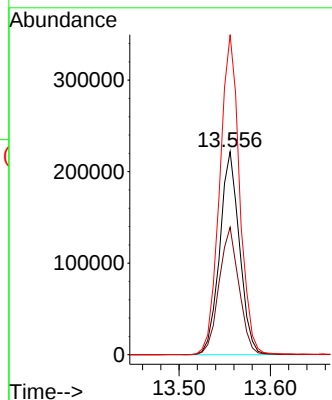
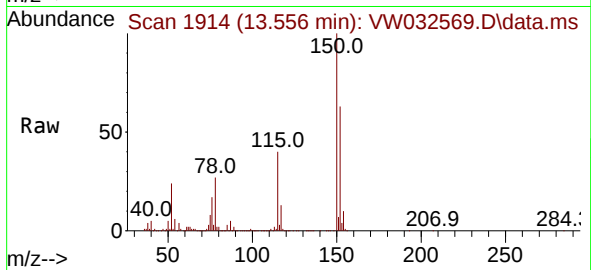
Tgt Ion:152 Resp: 333986

Ion Ratio Lower Upper

152 100

115 63.7 31.1 93.3

150 158.8 0.0 351.2



#76

1,2,3-Trichloropropane

Concen: 23.930 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032569.D

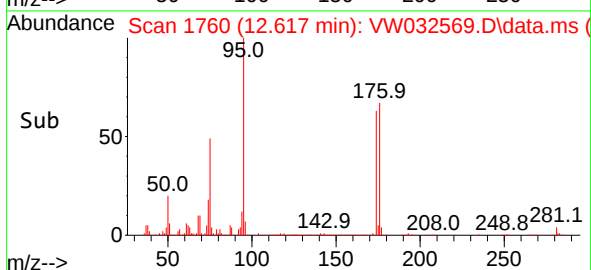
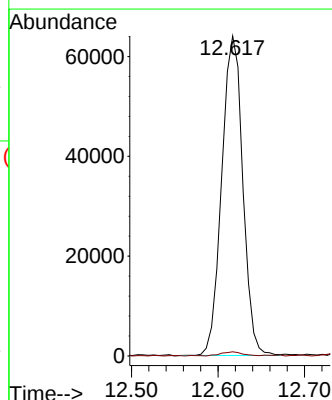
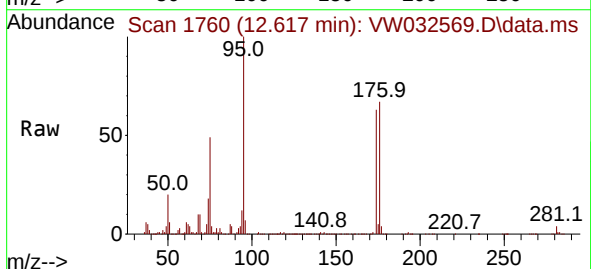
Acq: 03 Dec 2025 13:42

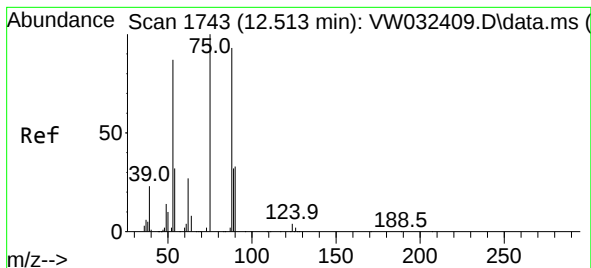
Tgt Ion: 75 Resp: 108149

Ion Ratio Lower Upper

75 100

77 1.3 148.2 444.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 56.284 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 108149
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 31.4 47.2#

