

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
 Data File : VW032527.D
 Acq On : 21 Nov 2025 15:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 26 01:23:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

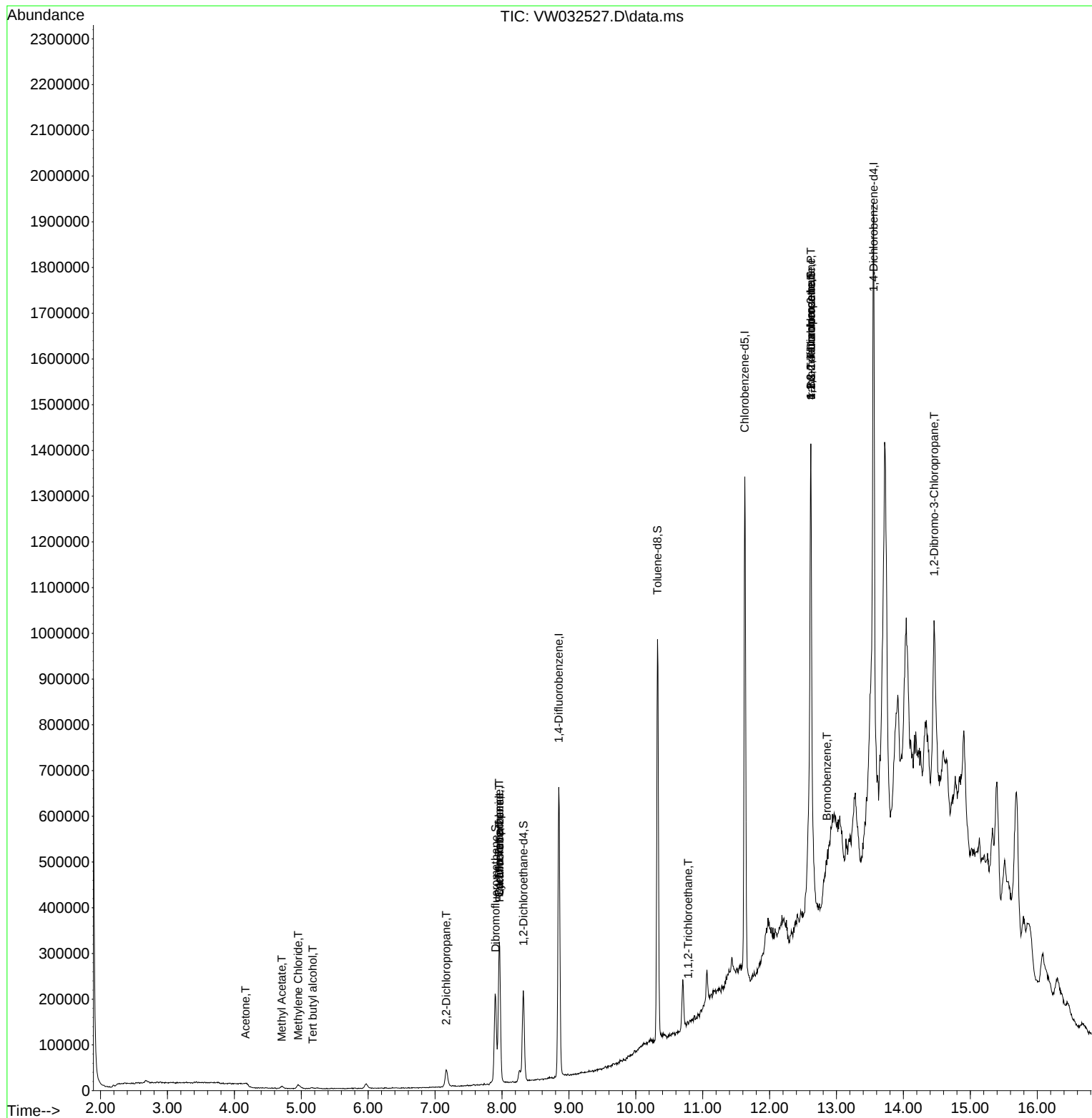
Internal Standards						
1) Pentafluorobenzene	7.965	168	215565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	536138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	589909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	310955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157192	56.561	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.120%
35) Dibromofluoromethane	7.904	113	151059	47.059	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.120%
50) Toluene-d8	10.325	98	586506	47.627	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.260%
62) 4-Bromofluorobenzene	12.617	95	341403	73.389	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	146.780%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.173	59	1485	6.179	ug/l #	78
16) Acetone	4.167	43	3464	4.166	ug/l #	58
18) Methyl Acetate	4.710	43	9880	4.799	ug/l	96
20) Methylene Chloride	4.954	84	7280	2.448	ug/l	95
26) 2,2-Dichloropropane	7.167	77	3097	1.118	ug/l #	68
31) Cyclohexane	7.959	56	5664	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19530	4.129	ug/l #	53
38) Carbon Tetrachloride	7.959	117	25292	6.018	ug/l #	16
55) 1,1,2-Trichloroethane	10.782	97	3594	1.182	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.617	83	99422	18.344	ug/l #	28
76) 1,2,3-Trichloropropane	12.617	75	133311	31.267	ug/l #	1
77) Bromobenzene	12.855	156	30153	5.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	133311	71.614	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.458	75	1225	1.312	ug/l #	1

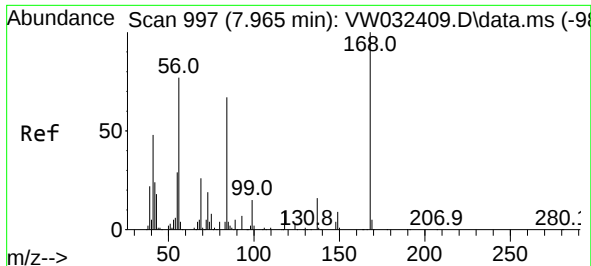
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
Data File : VW032527.D
Acq On : 21 Nov 2025 15:38
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Quant Time: Nov 26 01:23:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

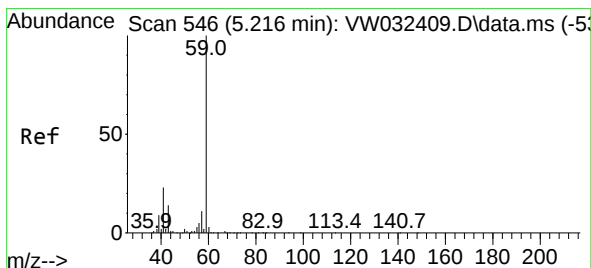
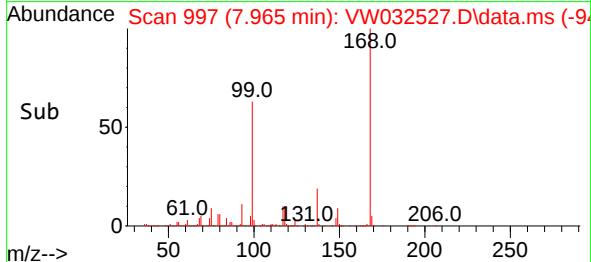
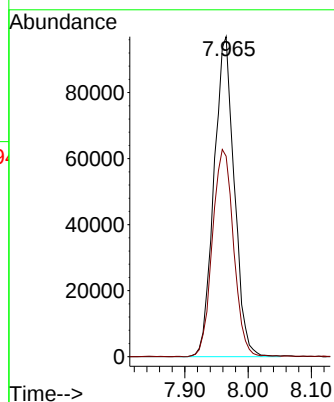
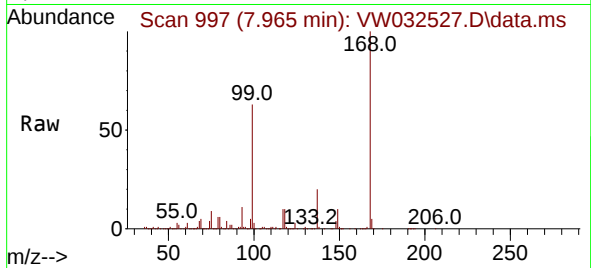




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

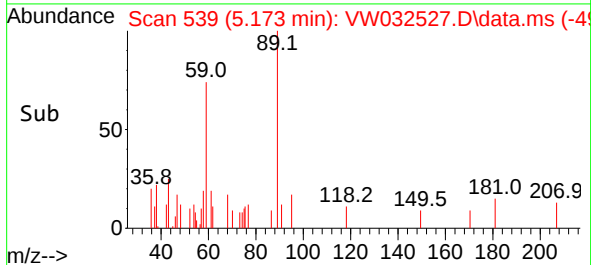
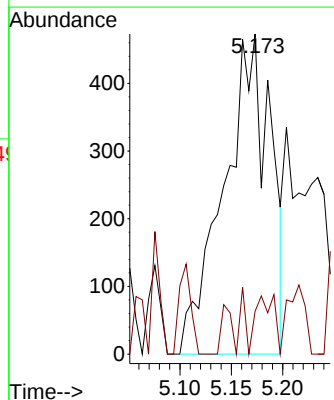
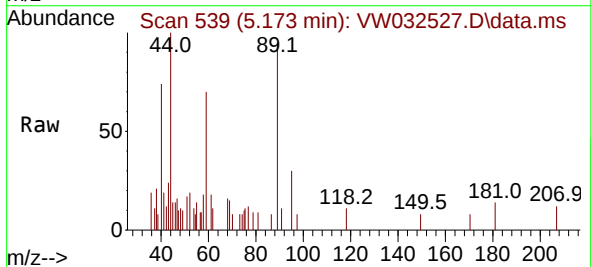
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

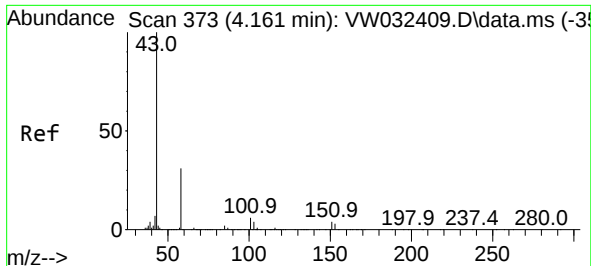
Tgt Ion:168 Resp: 215565
Ion Ratio Lower Upper
168 100
99 62.6 45.4 68.2



#11
Tert butyl alcohol
Concen: 6.179 ug/l
RT: 5.173 min Scan# 539
Delta R.T. -0.043 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 59 Resp: 1485
Ion Ratio Lower Upper
59 100
57 2.4 8.6 12.8#

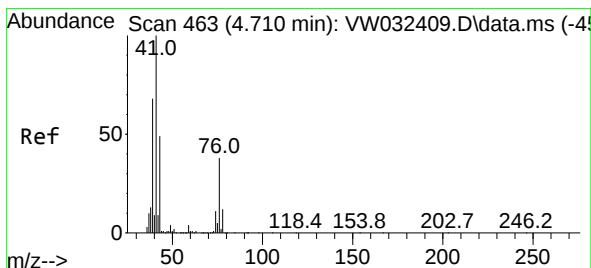
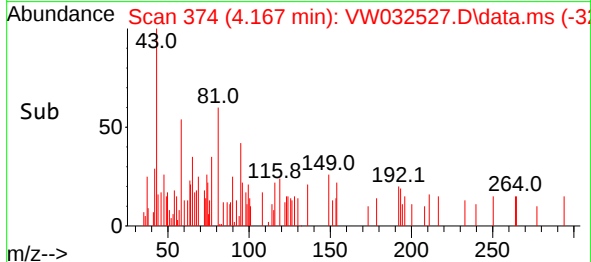
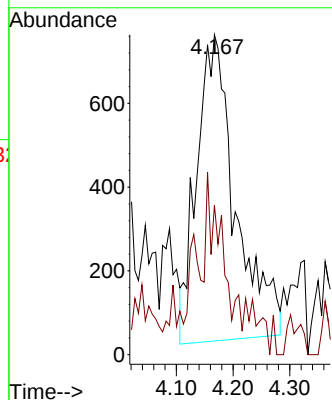
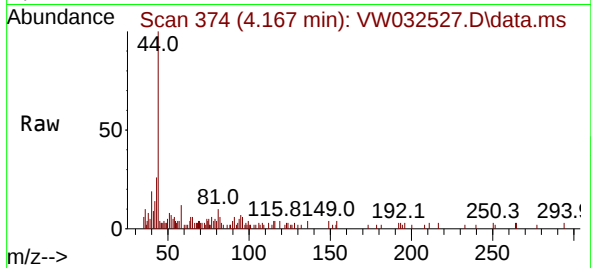




#16
Acetone
Concen: 4.166 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

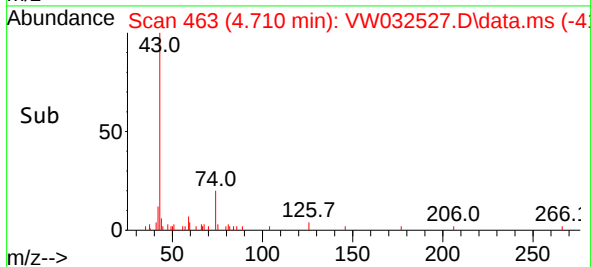
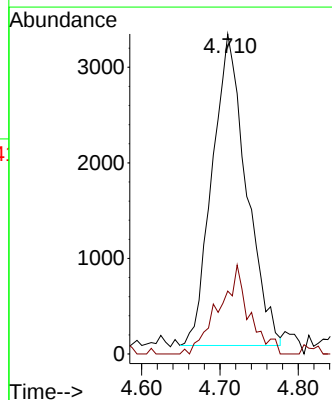
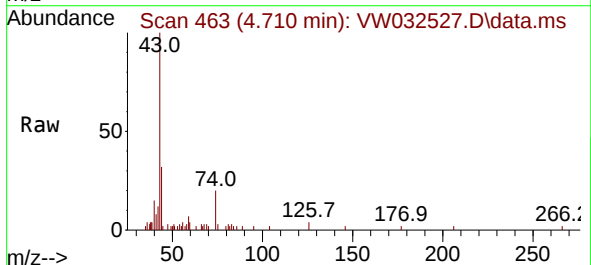
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

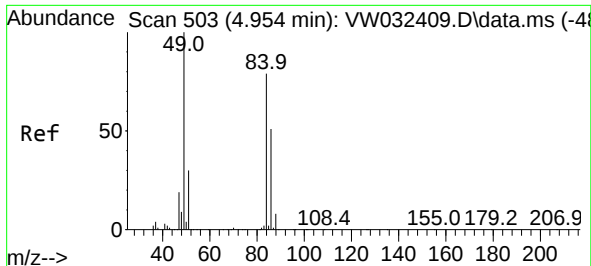
Tgt Ion: 43 Resp: 3464
Ion Ratio Lower Upper
43 100
58 54.0 24.8 37.2#



#18
Methyl Acetate
Concen: 4.799 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 43 Resp: 9880
Ion Ratio Lower Upper
43 100
74 25.4 18.9 28.3

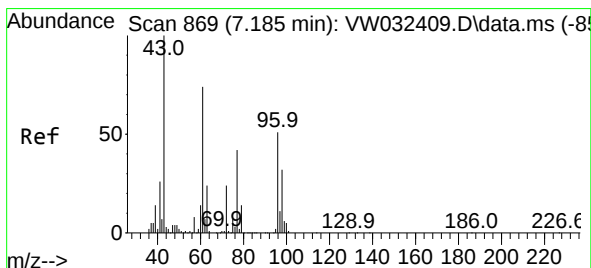
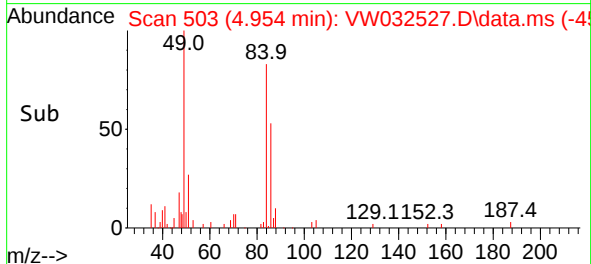
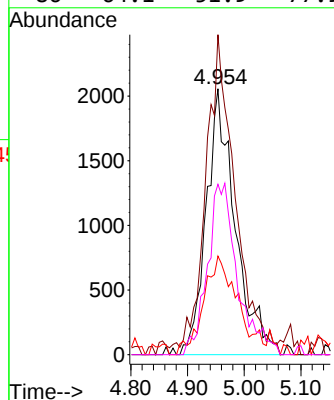
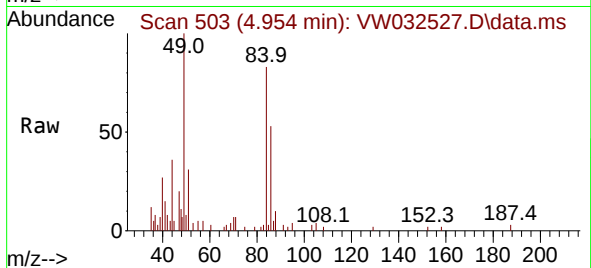




#20
Methylene Chloride
Concen: 2.448 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

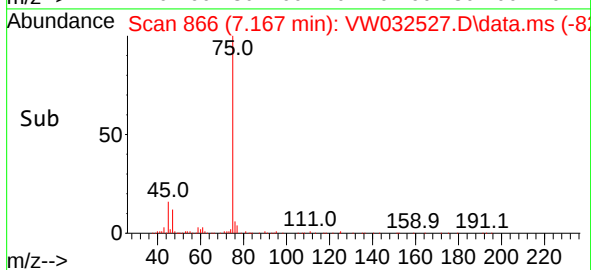
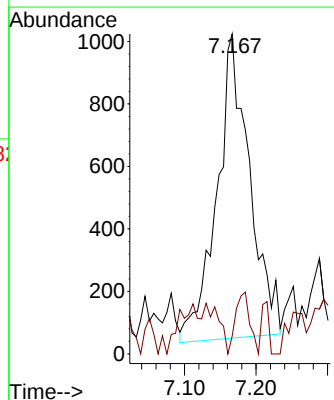
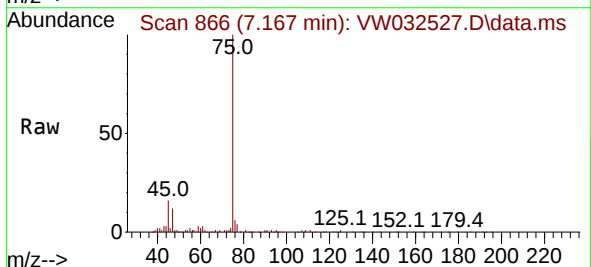
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

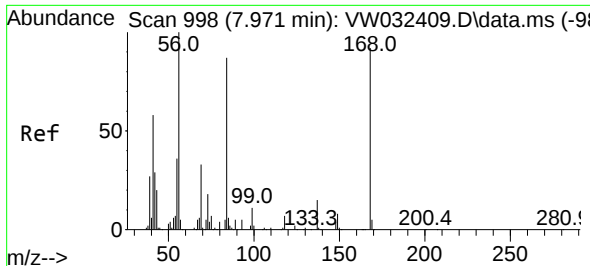
Tgt Ion:	84	Resp:	7280
Ion	Ratio	Lower	Upper
84	100		
49	117.5	101.5	152.3
51	37.1	30.6	46.0
86	64.1	51.9	77.9



#26
2,2-Dichloropropane
Concen: 1.118 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion:	77	Resp:	3097
Ion	Ratio	Lower	Upper
77	100		
97	8.8	12.3	36.8#

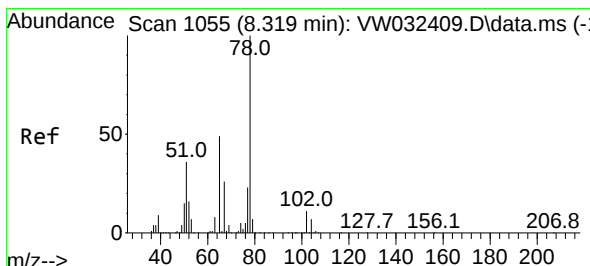
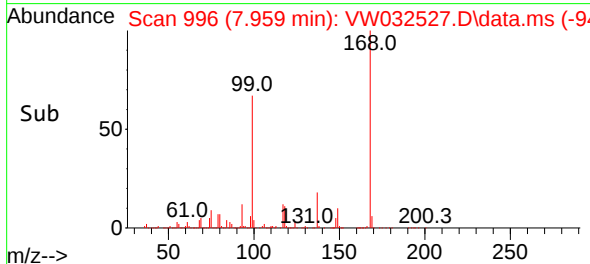
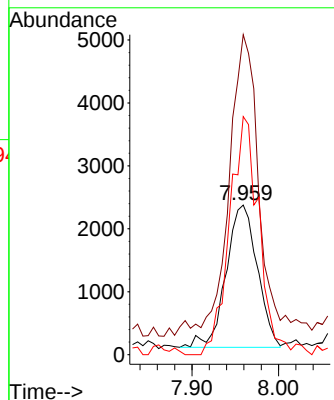
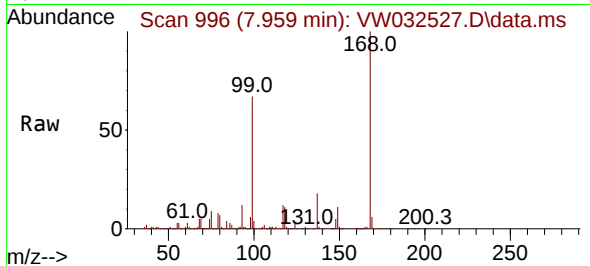




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

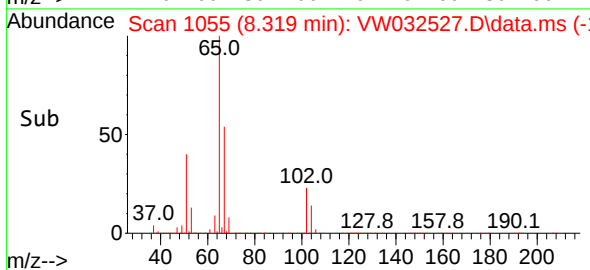
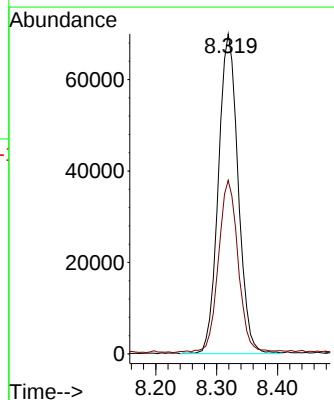
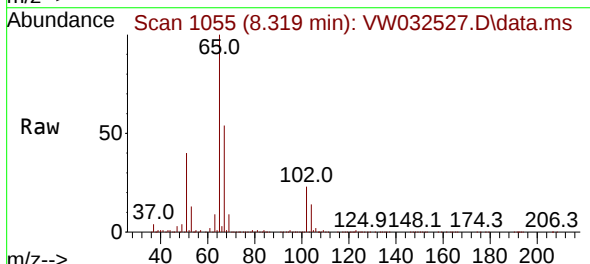
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

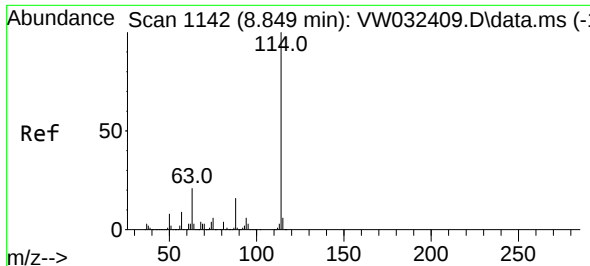
Tgt Ion: 56 Resp: 5664
Ion Ratio Lower Upper
56 100
69 205.4 26.5 39.7#
84 165.0 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 56.561 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 65 Resp: 157192
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.8

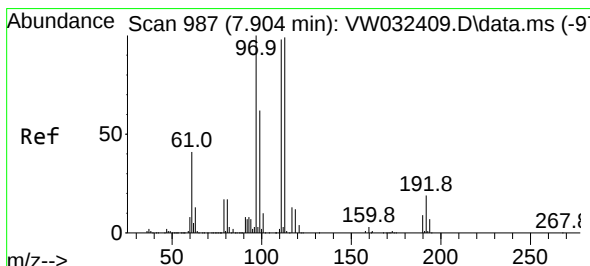
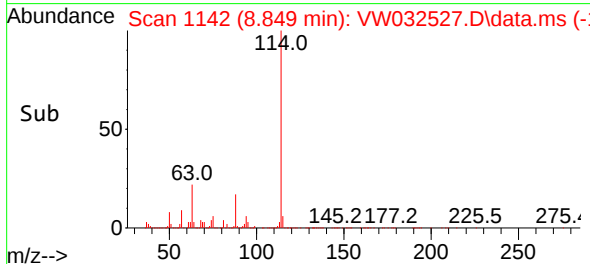
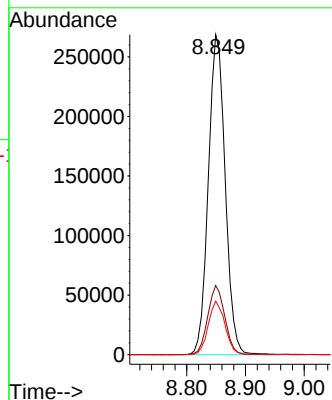
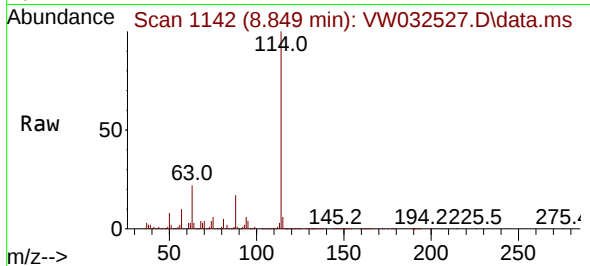




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

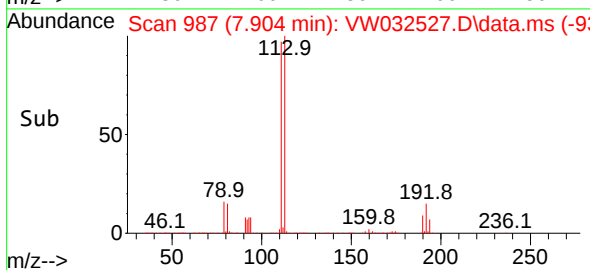
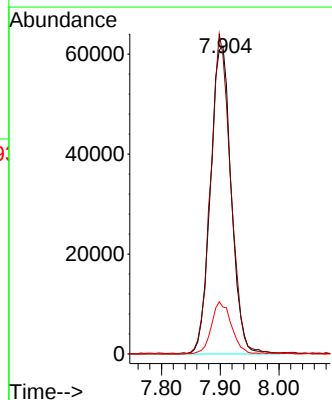
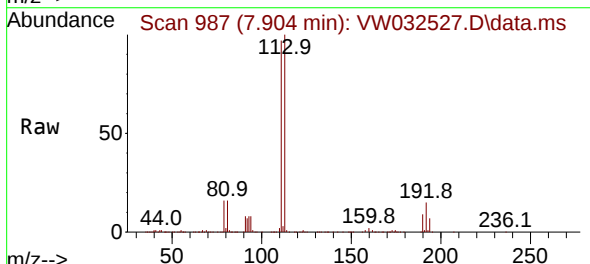
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

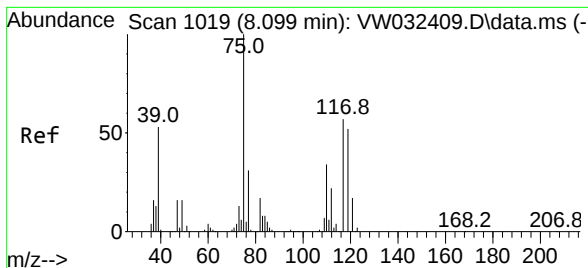
Tgt Ion:114 Resp: 536138
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.059 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion:113 Resp: 151059
Ion Ratio Lower Upper
113 100
111 99.9 83.1 124.7
192 16.4 13.4 20.2





#36

1,1-Dichloropropene

Concen: 4.129 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032527.D

Acq: 21 Nov 2025 15:38

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

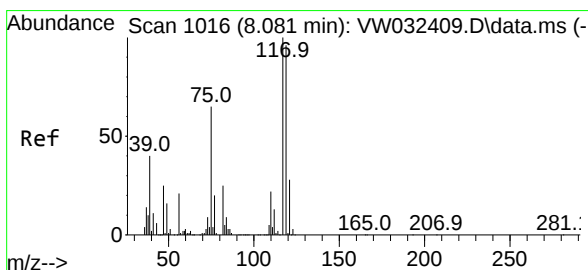
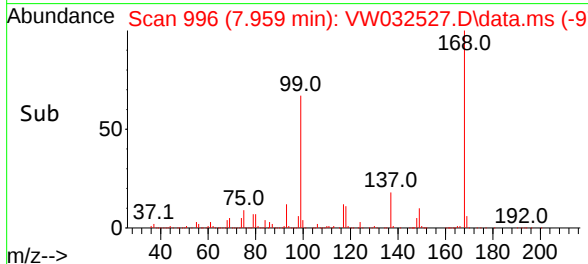
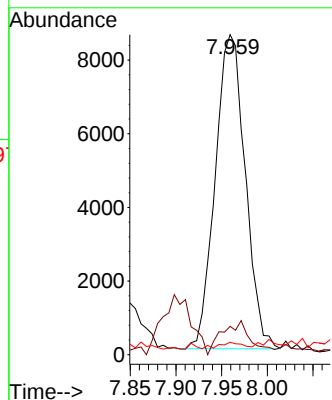
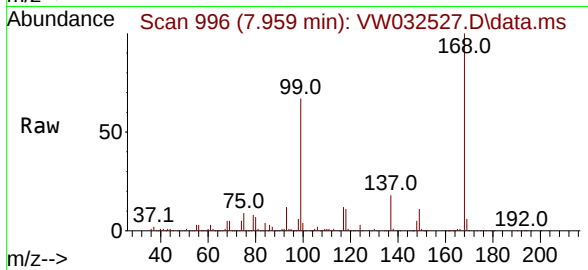
Tgt Ion: 75 Resp: 19530

Ion Ratio Lower Upper

75 100

110 10.5 17.2 51.5#

77 1.7 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.018 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032527.D

Acq: 21 Nov 2025 15:38

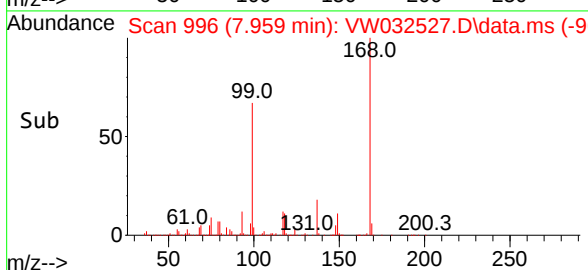
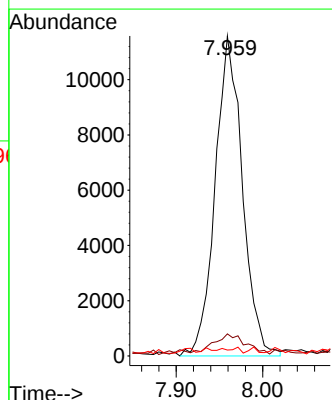
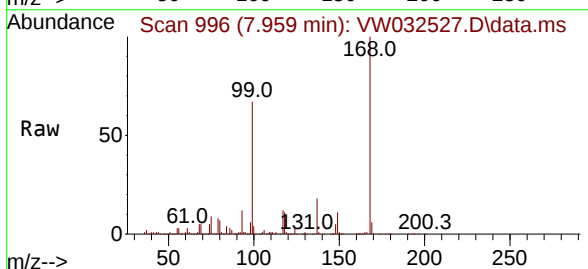
Tgt Ion: 117 Resp: 25292

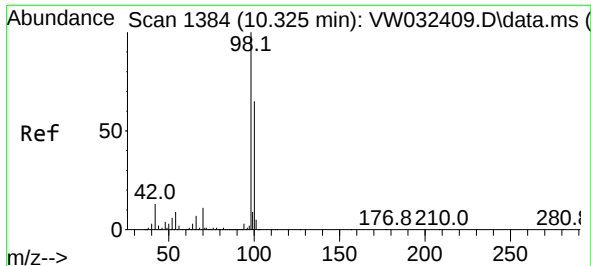
Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

121 0.4 22.0 33.0#

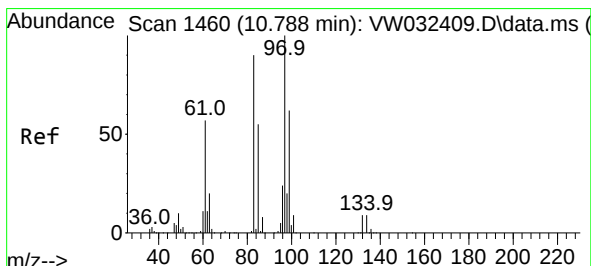
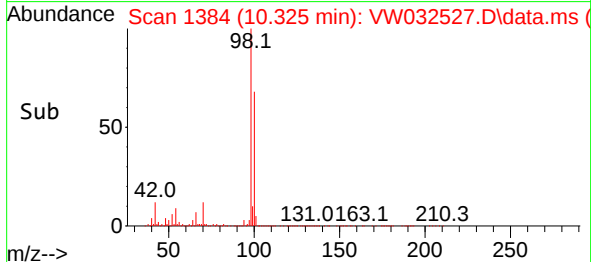
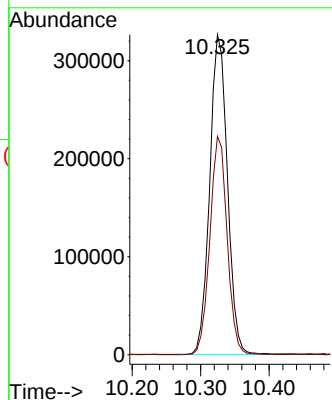
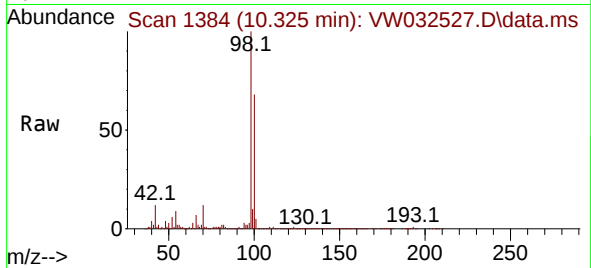




#50
Toluene-d8
Concen: 47.627 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

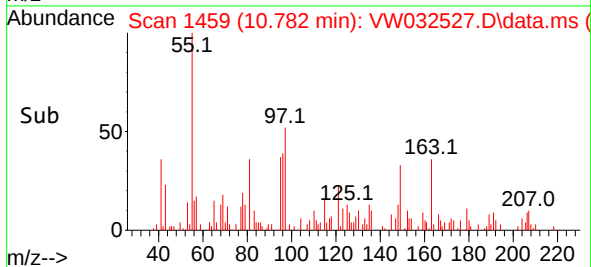
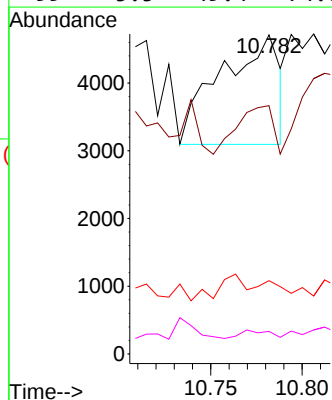
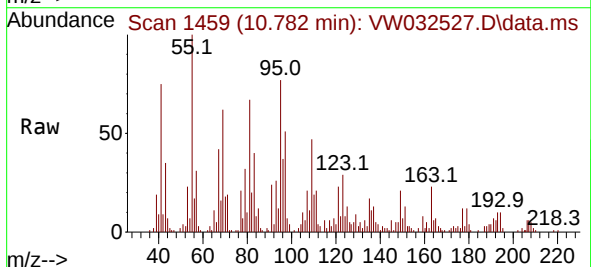
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

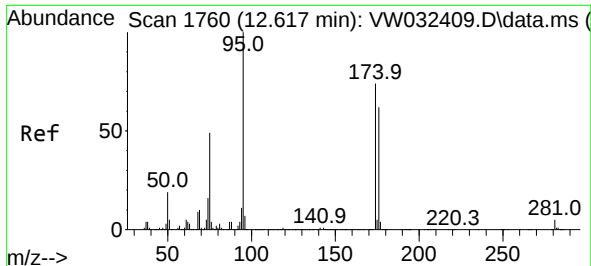
Tgt Ion: 98 Resp: 586506
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#55
1,1,2-Trichloroethane
Concen: 1.182 ug/l
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 97 Resp: 3594
Ion Ratio Lower Upper
97 100
83 44.2 72.2 108.4#
85 5.3 43.8 65.8#
99 5.5 49.4 74.0#

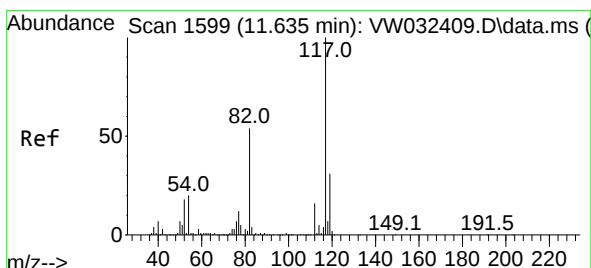
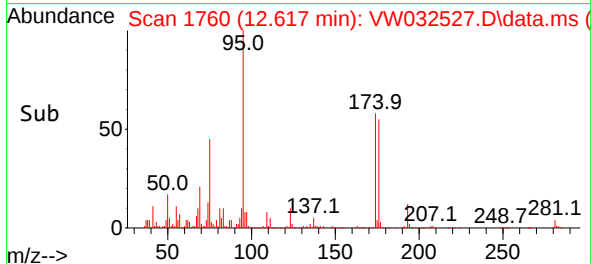
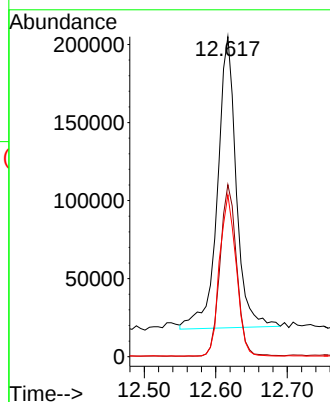
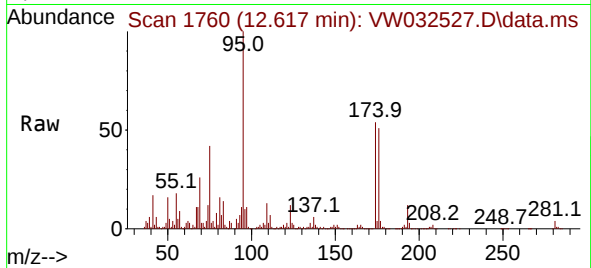




#62
4-Bromofluorobenzene
Concen: 73.389 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

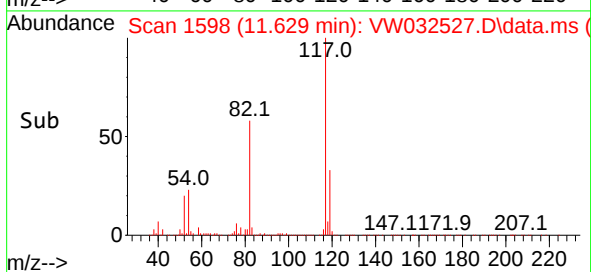
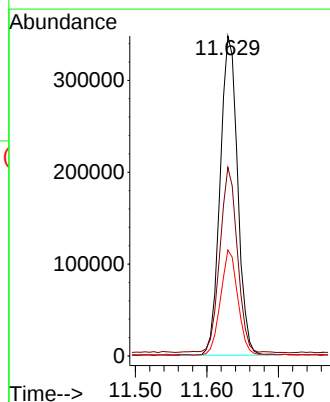
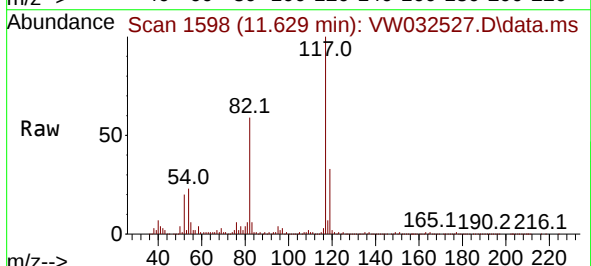
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

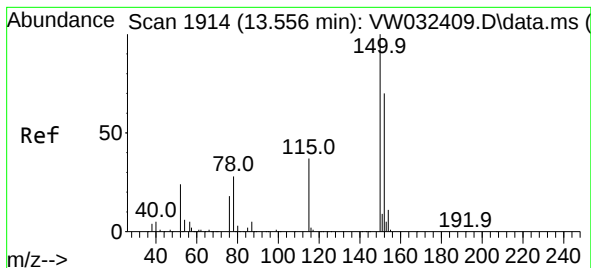
Tgt Ion: 95 Resp: 341403
Ion Ratio Lower Upper
95 100
174 52.1 0.0 135.4
176 48.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 117 Resp: 589909
Ion Ratio Lower Upper
117 100
82 58.0 43.0 64.4
119 32.7 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032527.D

Acq: 21 Nov 2025 15:38

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

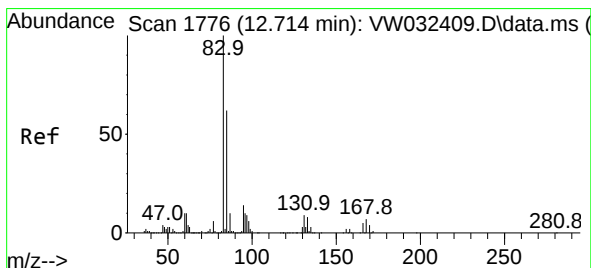
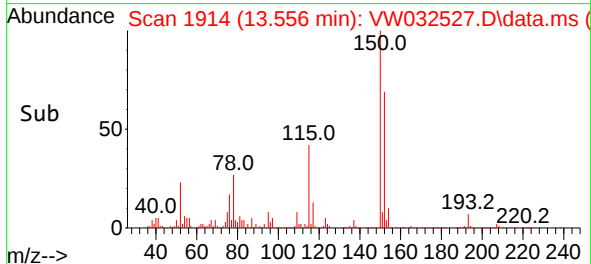
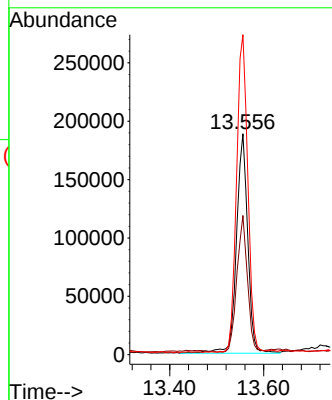
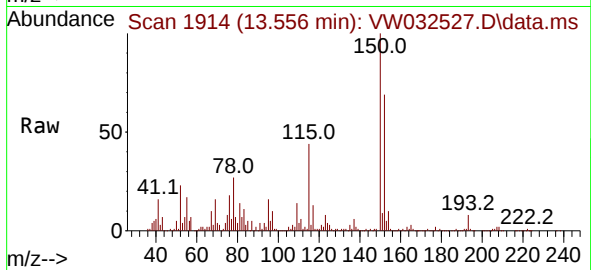
Tgt Ion:152 Resp: 310955

Ion Ratio Lower Upper

152 100

115 58.4 32.8 98.3

150 144.1 0.0 356.6



#75

1,1,2,2-Tetrachloroethane

Concen: 18.344 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.098 min

Lab File: VW032527.D

Acq: 21 Nov 2025 15:38

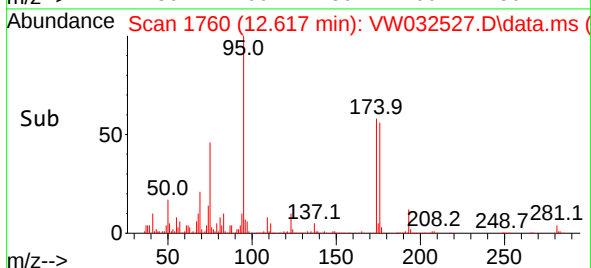
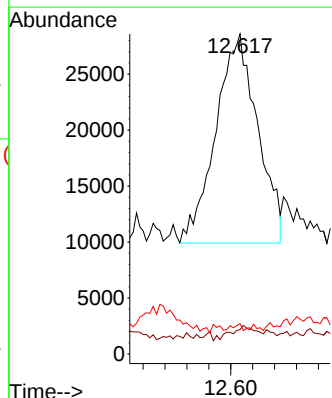
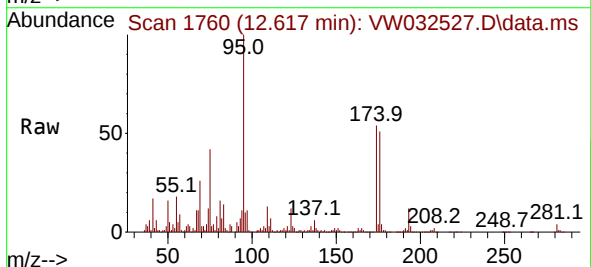
Tgt Ion: 83 Resp: 99422

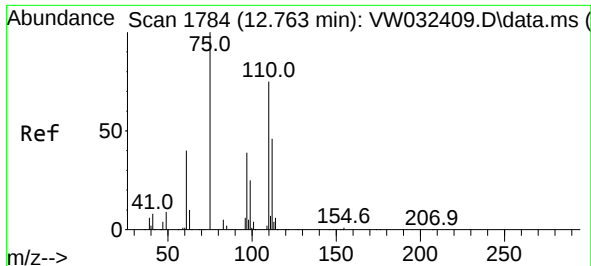
Ion Ratio Lower Upper

83 100

131 3.7 5.0 14.9#

85 0.7 31.6 94.8#

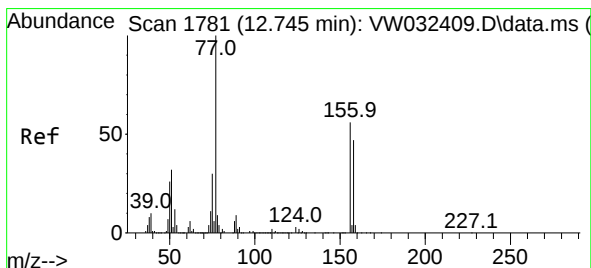
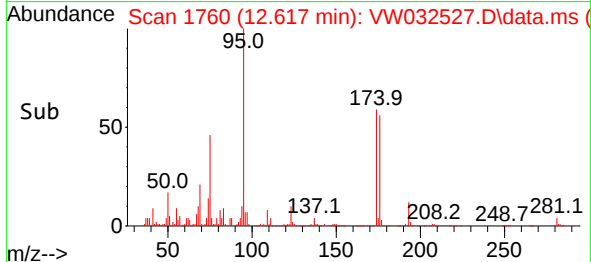
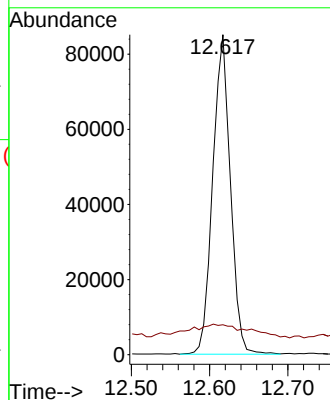
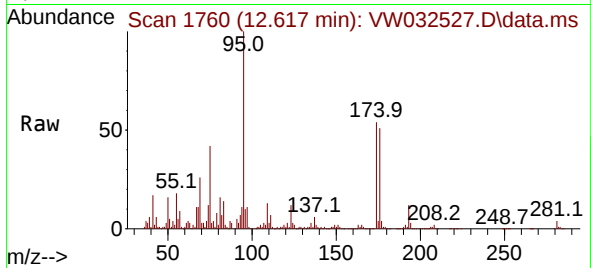




#76
1,2,3-Trichloropropane
Concen: 31.267 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.146 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

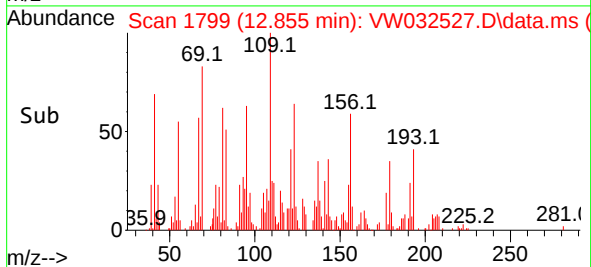
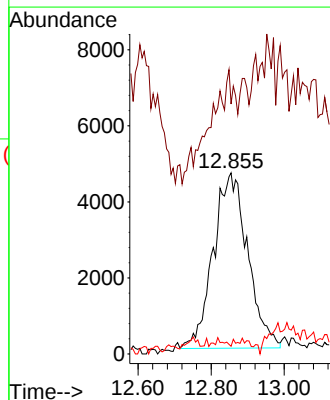
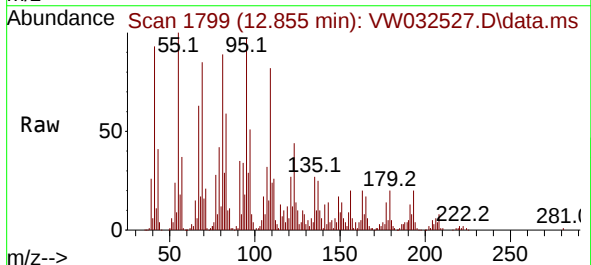
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

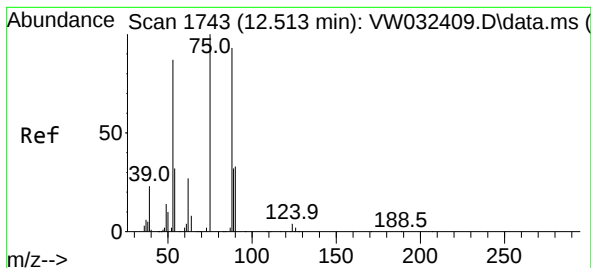
Tgt Ion: 75 Resp: 133311
Ion Ratio Lower Upper
75 100
77 13.9 151.6 454.8#



#77
Bromobenzene
Concen: 5.576 ug/l
RT: 12.855 min Scan# 1799
Delta R.T. 0.110 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 156 Resp: 30153
Ion Ratio Lower Upper
156 100
77 4.3 108.0 324.0#
158 0.5 45.1 135.5#

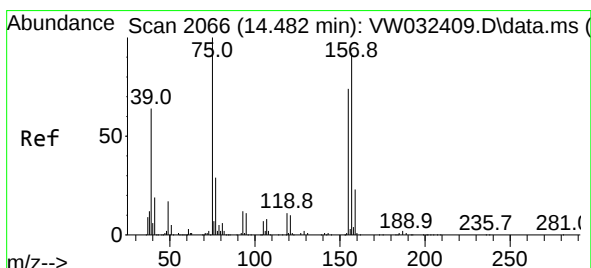
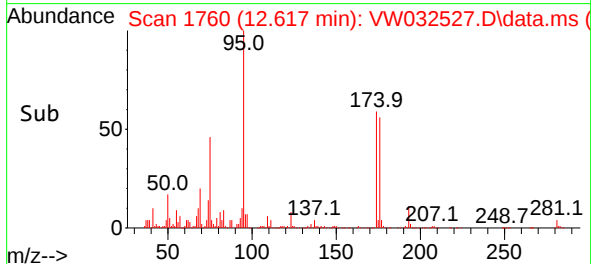
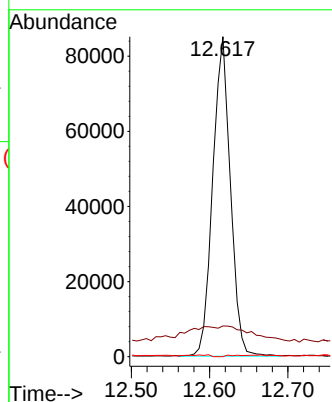
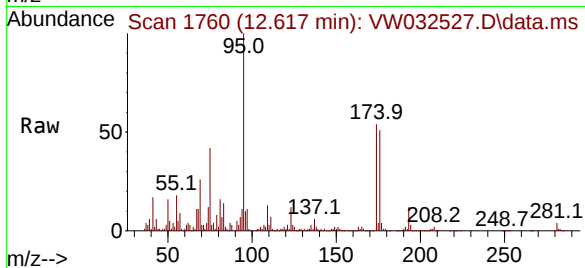




#81
trans-1,4-Dichloro-2-butene
Concen: 71.614 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 133311
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 35.6 53.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.312 ug/l
RT: 14.458 min Scan# 2062
Delta R.T. -0.024 min
Lab File: VW032527.D
Acq: 21 Nov 2025 15:38

Tgt Ion: 75 Resp: 1225
Ion Ratio Lower Upper
75 100
155 252.9 36.2 108.6#
157 1185.2 47.8 143.3#

