

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032202.D
 Acq On : 18 Sep 2025 16:09
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 19 04:35:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

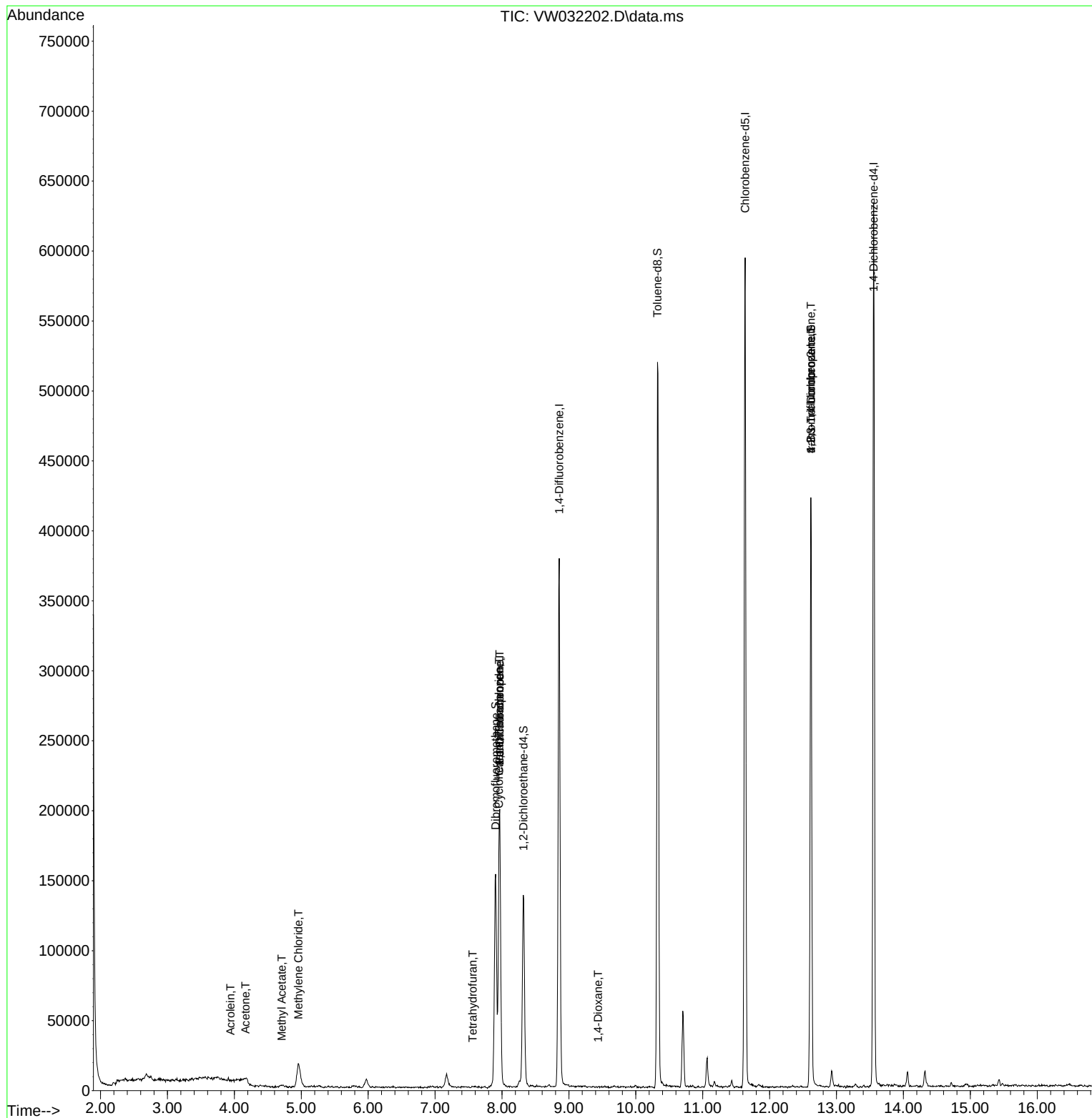
Internal Standards						
1) Pentafluorobenzene	7.965	168	135723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	300268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	315966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	155848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	114277	58.875	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 117.740%		
35) Dibromofluoromethane	7.904	113	104363	49.540	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.080%		
50) Toluene-d8	10.324	98	337215	45.598	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.200%		
62) 4-Bromofluorobenzene	12.617	95	125996	46.073	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.140%		
Target Compounds						
					Qvalue	
13) Acrolein	3.941	56	248	1.359	ug/l #	69
16) Acetone	4.167	43	2644	6.290	ug/l #	88
18) Methyl Acetate	4.710	43	3402	2.540	ug/l #	73
20) Methylene Chloride	4.960	84	15402	5.490	ug/l	92
29) Tetrahydrofuran	7.563	42	465	1.228	ug/l #	67
31) Cyclohexane	7.953	56	4189	1.758	ug/l #	69
36) 1,1-Dichloropropene	7.965	75	13318	4.876	ug/l #	43
38) Carbon Tetrachloride	7.959	117	16111	5.502	ug/l #	17
49) 1,4-Dioxane	9.434	88	28	1.623	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	74839	38.331	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	74839	103.204	ug/l #	5

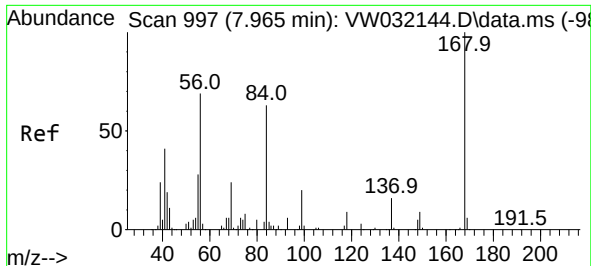
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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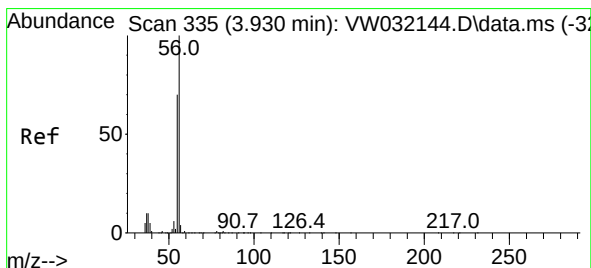
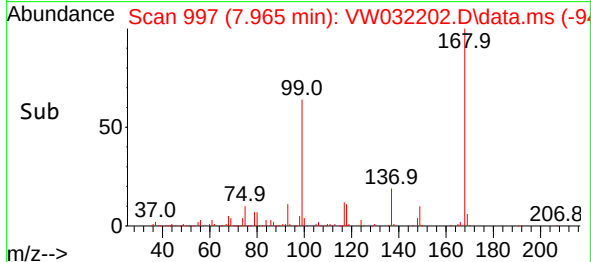
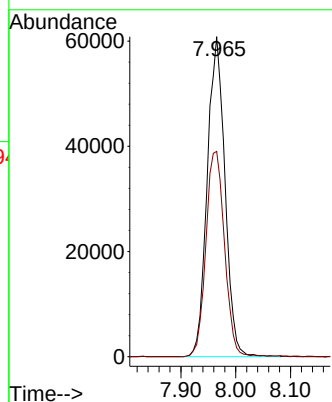
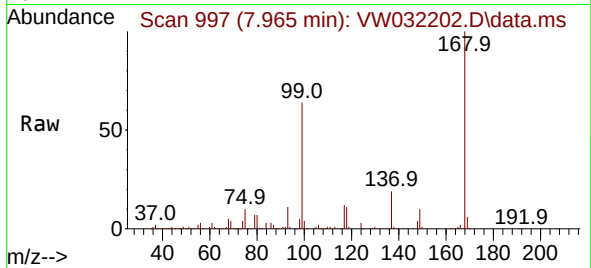




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

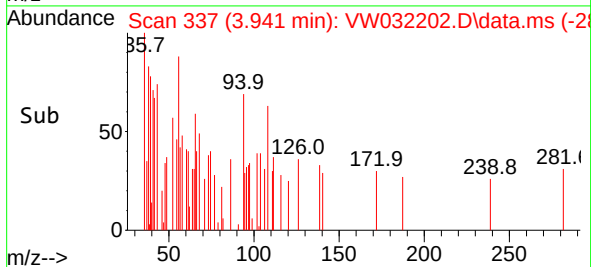
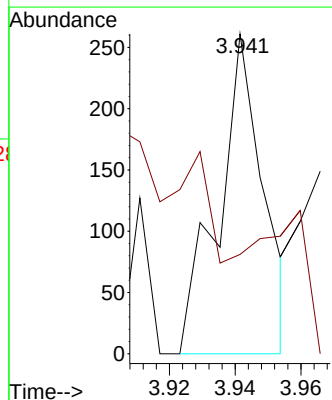
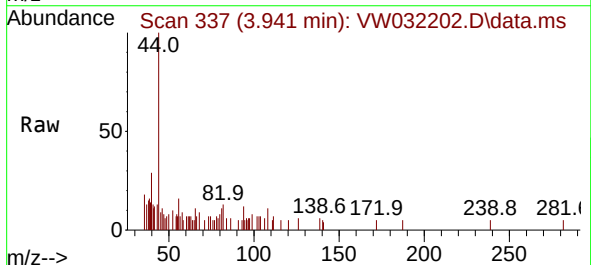
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

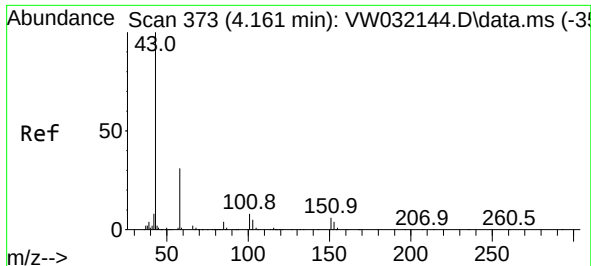
Tgt Ion:168 Resp: 135723
Ion Ratio Lower Upper
168 100
99 64.2 49.3 73.9



#13
Acrolein
Concen: 1.359 ug/l
RT: 3.941 min Scan# 337
Delta R.T. 0.012 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 45.2 56.4 84.6#

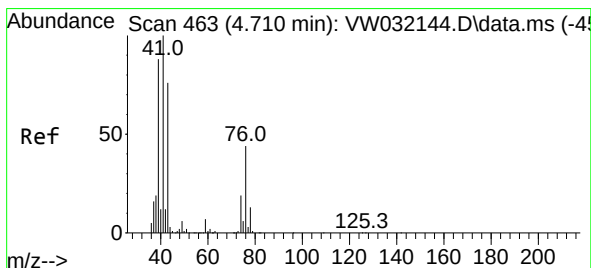
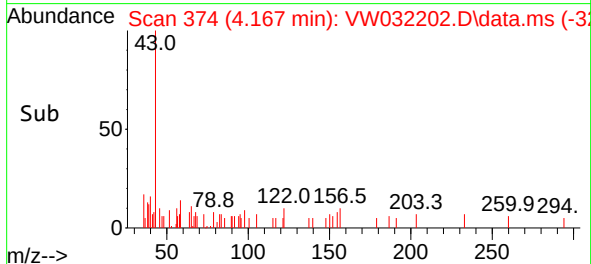
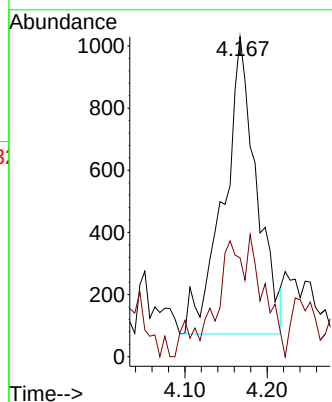
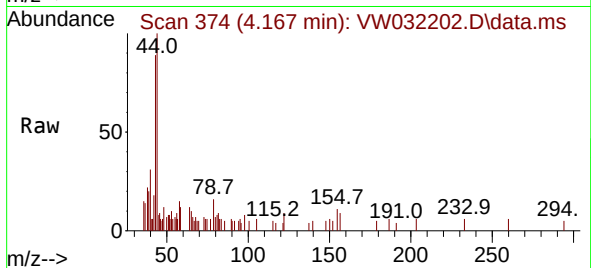




#16
Acetone
Concen: 6.290 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

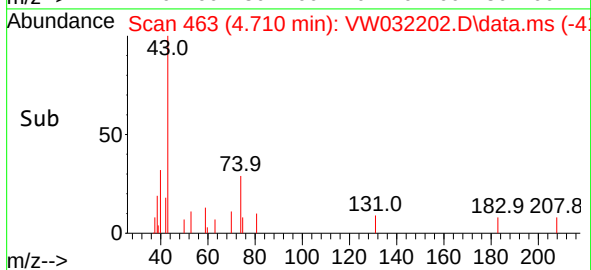
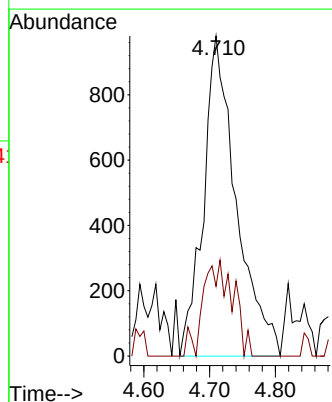
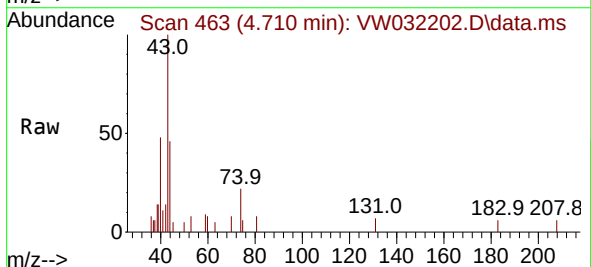
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

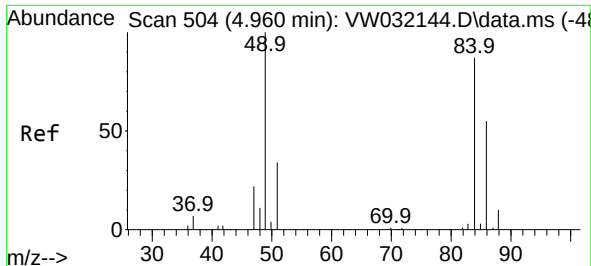
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
58 25.2 25.3 37.9#



#18
Methyl Acetate
Concen: 2.540 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
74 11.6 20.2 30.4#

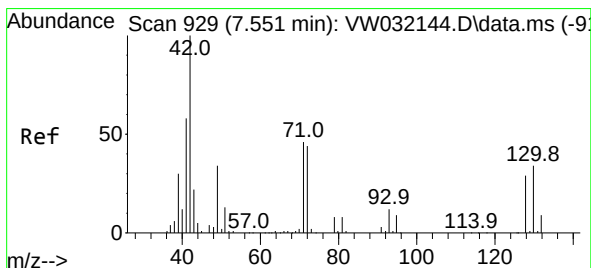
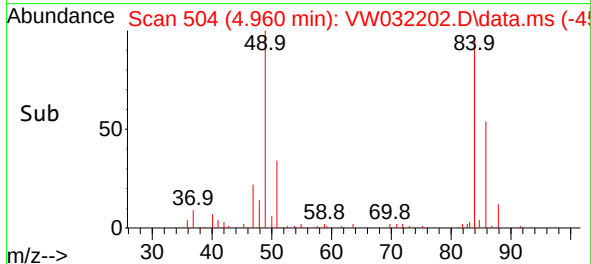
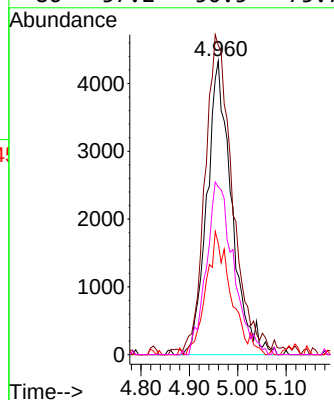
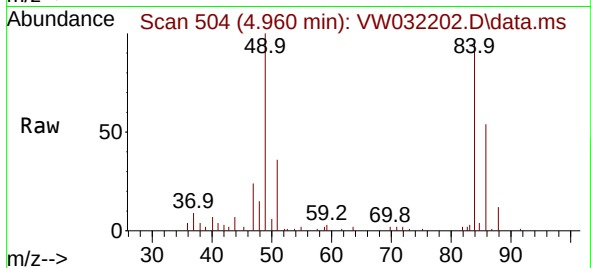




#20
Methylene Chloride
Concen: 5.490 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

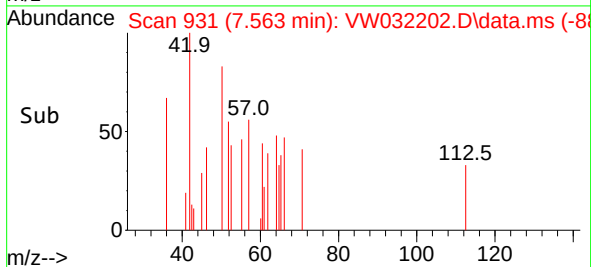
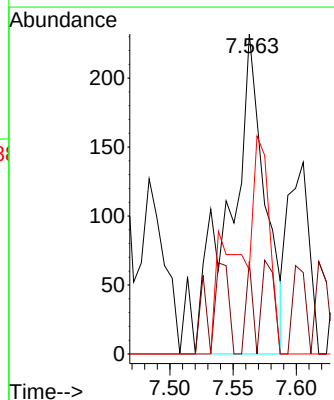
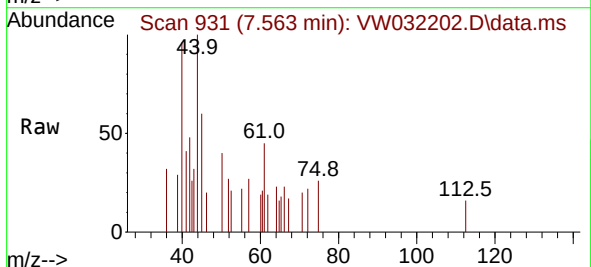
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

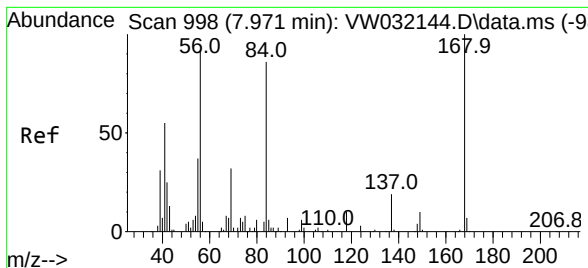
Tgt Ion:	84	Resp:	15402
Ion	Ratio	Lower	Upper
84	100		
49	103.7	92.2	138.4
51	37.9	31.0	46.6
86	57.2	50.5	75.7



#29
Tetrahydrofuran
Concen: 1.228 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion:	42	Resp:	465
Ion	Ratio	Lower	Upper
42	100		
72	15.3	37.4	56.2#
71	33.5	36.0	54.0#

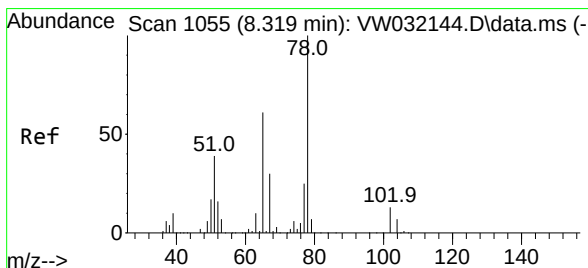
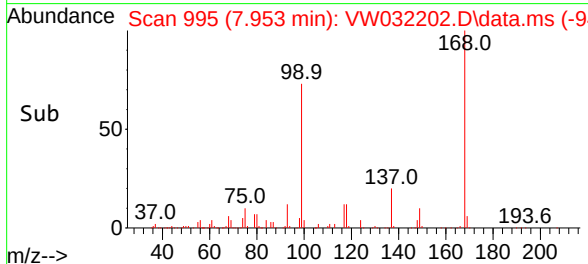
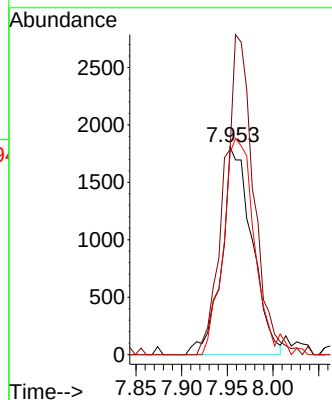
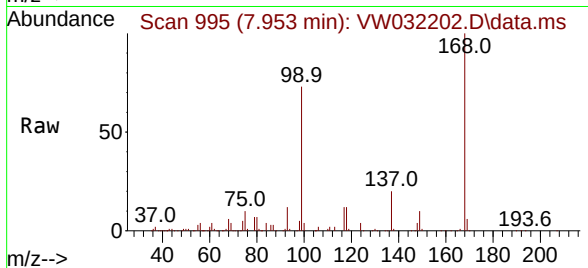




#31
Cyclohexane
Concen: 1.758 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.019 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

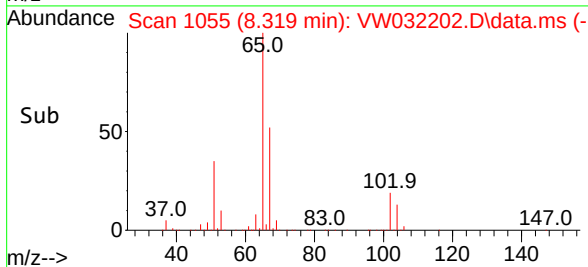
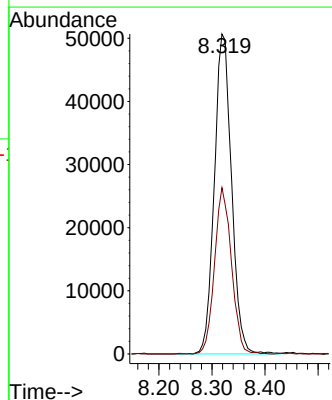
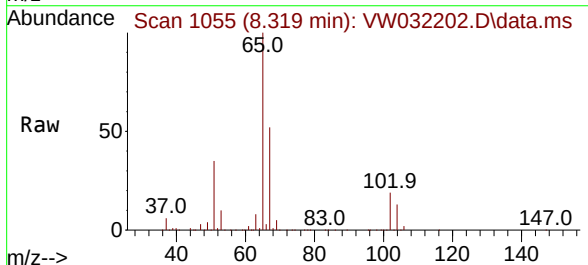
Instrument :
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ClientSampleId :
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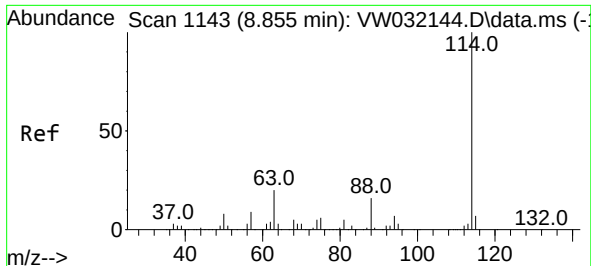
Tgt Ion: 56 Resp: 4189
Ion Ratio Lower Upper
56 100
69 98.8 27.7 41.5#
84 92.4 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 58.875 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion: 65 Resp: 114277
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.6

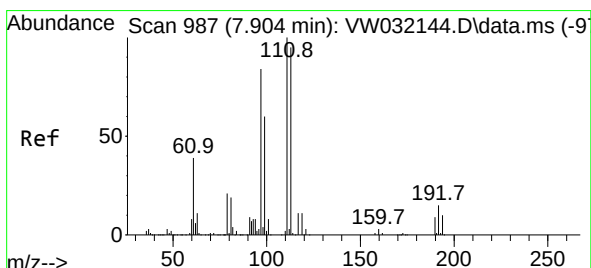
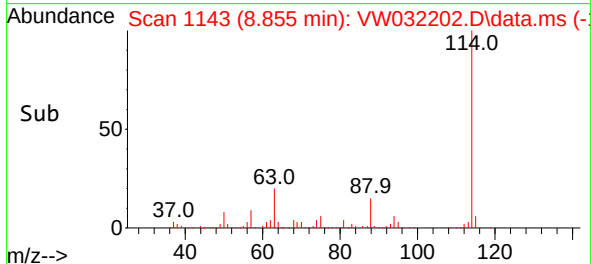
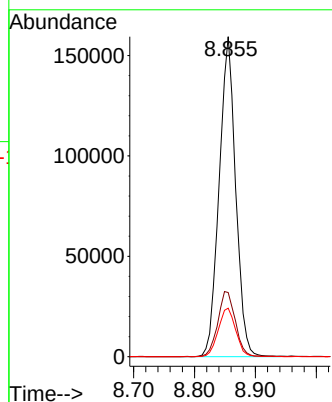
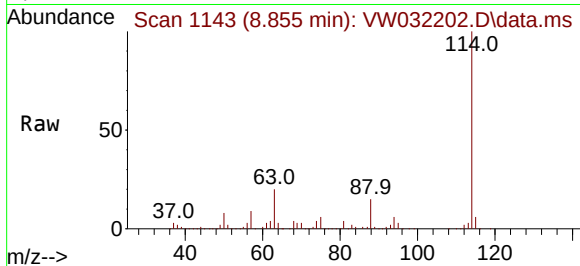




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

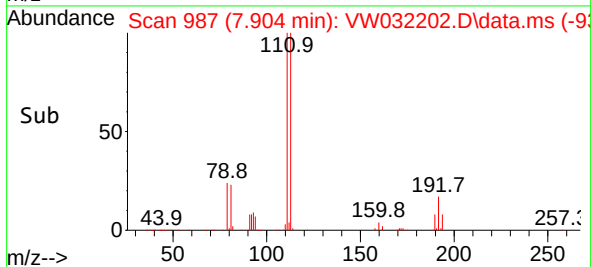
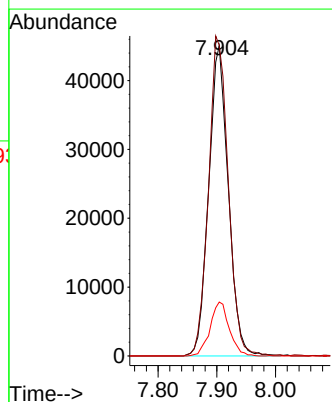
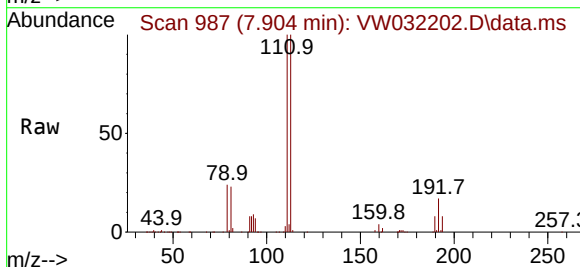
Instrument :
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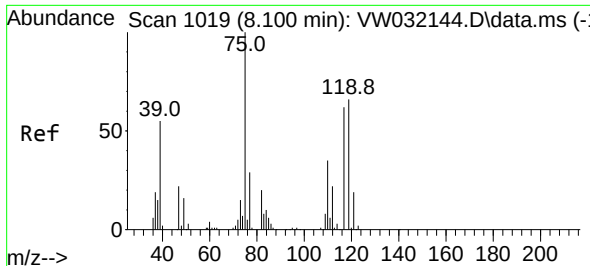
Tgt Ion:114 Resp: 300268
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.4
88 15.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.540 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion:113 Resp: 104363
Ion Ratio Lower Upper
113 100
111 103.9 83.9 125.9
192 17.1 14.6 21.8

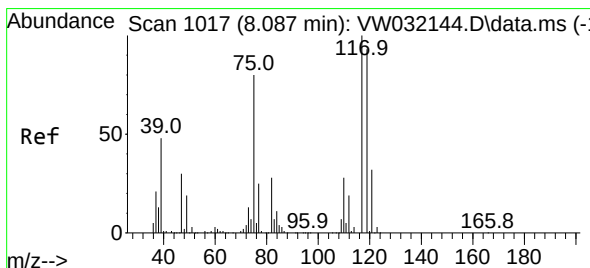
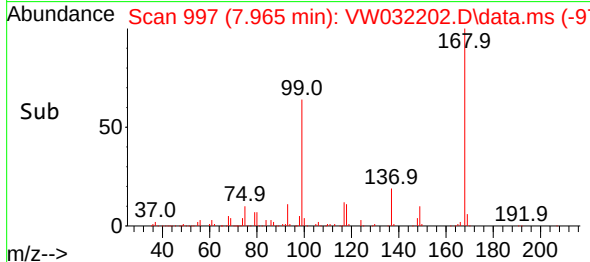
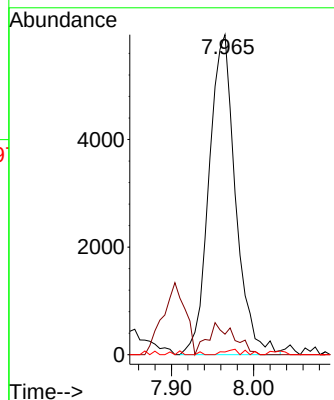
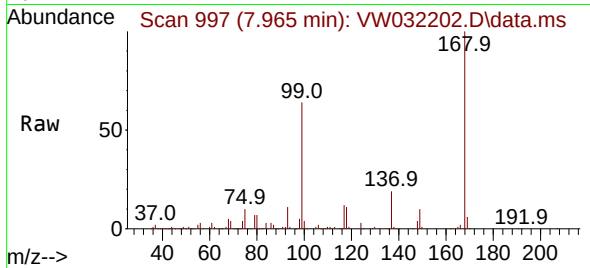




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032202.D
 Acq: 18 Sep 2025 16:09

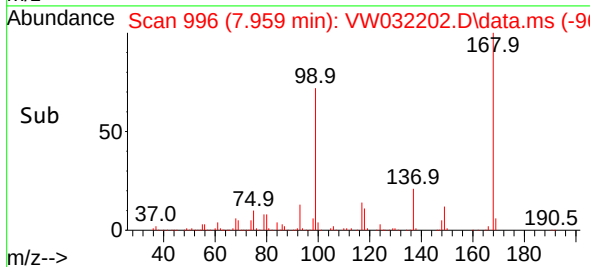
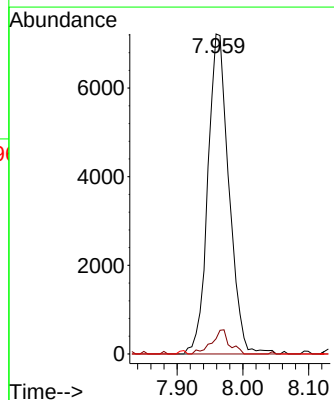
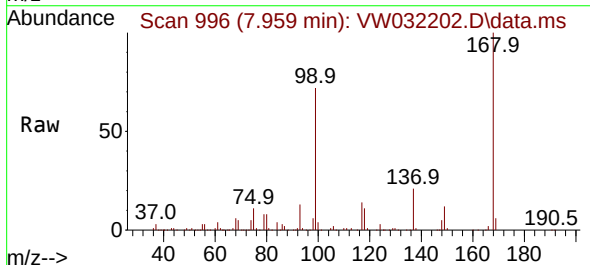
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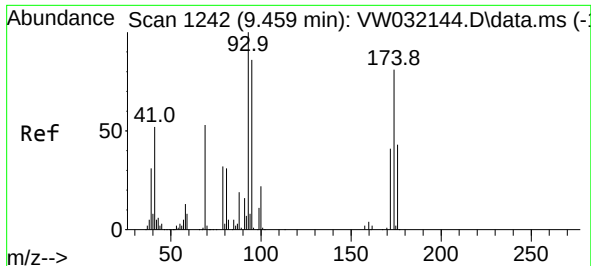
Tgt Ion: 75 Resp: 13318
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.5 52.5#
 77 0.8 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.502 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032202.D
 Acq: 18 Sep 2025 16:09

Tgt Ion: 117 Resp: 16111
 Ion Ratio Lower Upper
 117 100
 119 4.8 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.623 ug/l

RT: 9.434 min Scan# 1238

Delta R.T. -0.025 min

Lab File: VW032202.D

Acq: 18 Sep 2025 16:09

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

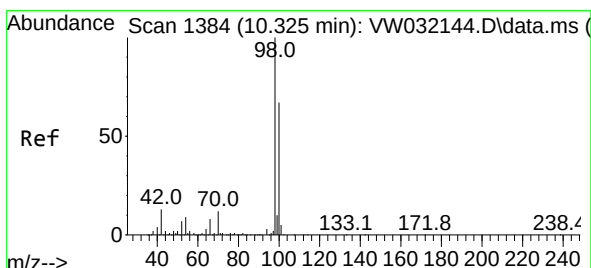
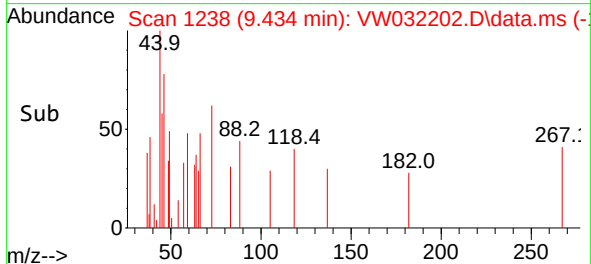
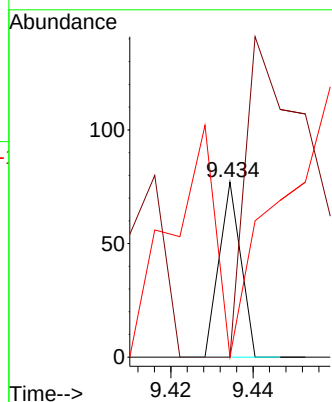
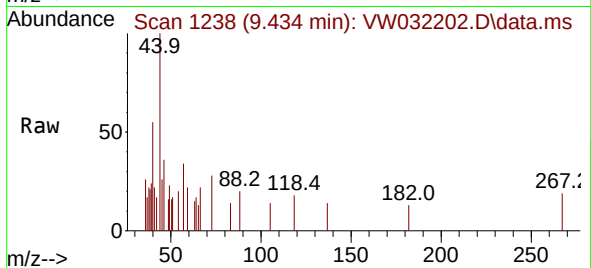
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 546.4 18.0 27.0#

58 275.0 55.4 83.0#



#50

Toluene-d8

Concen: 45.598 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032202.D

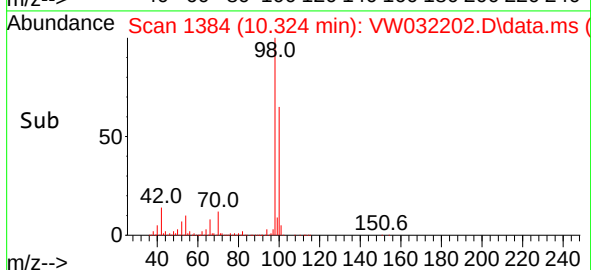
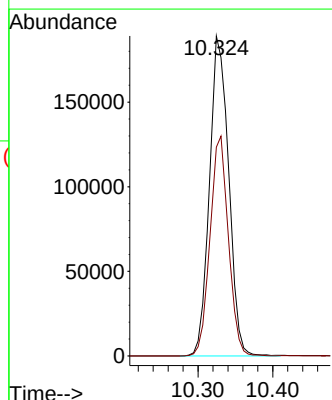
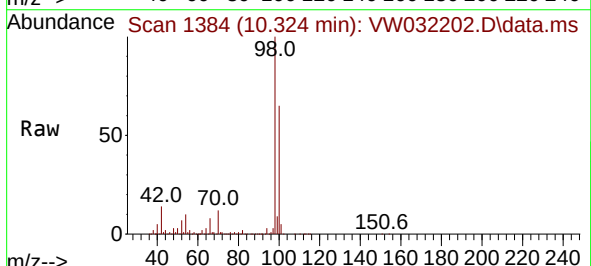
Acq: 18 Sep 2025 16:09

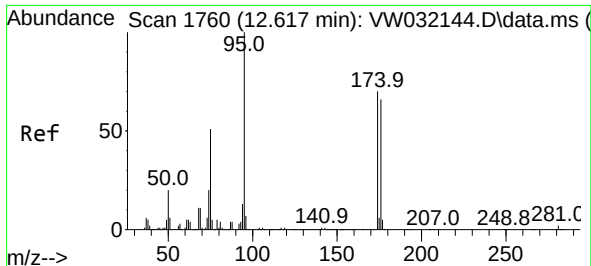
Tgt Ion: 98 Resp: 337215

Ion Ratio Lower Upper

98 100

100 65.8 51.4 77.2

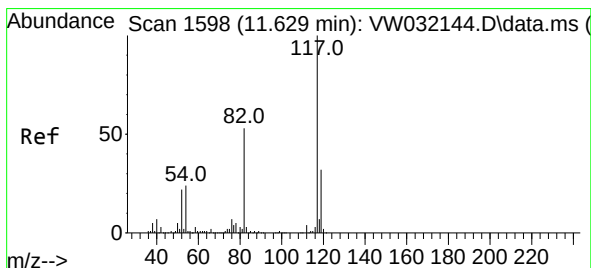
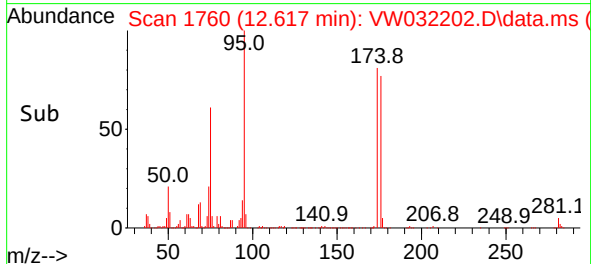
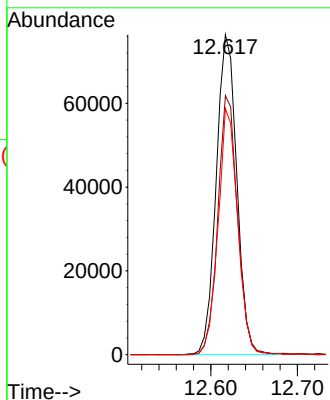
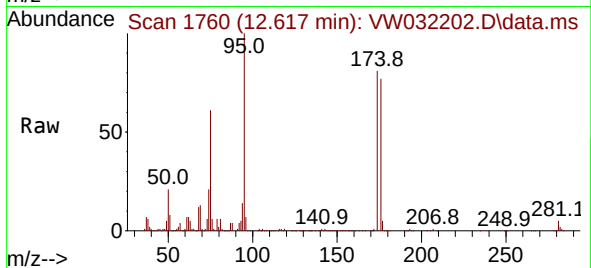




#62
4-Bromofluorobenzene
Concen: 46.073 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

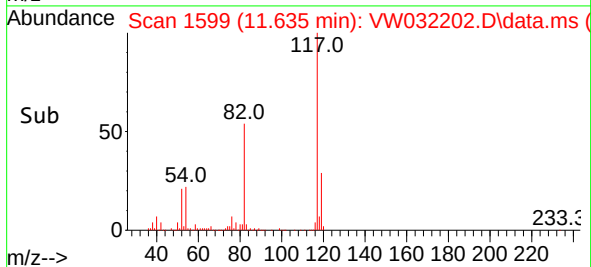
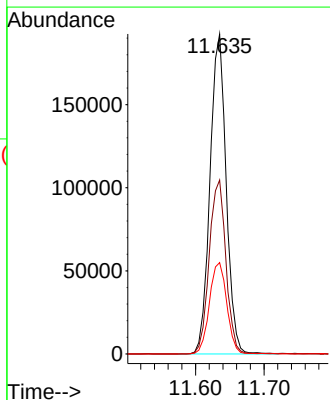
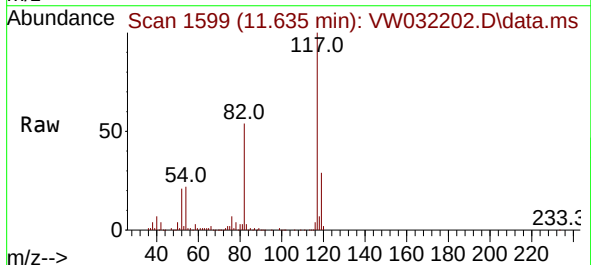
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

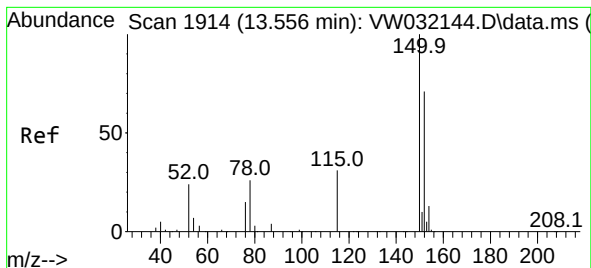
Tgt Ion: 95 Resp: 125996
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.6
176 73.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion: 117 Resp: 315966
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 28.6 25.2 37.8

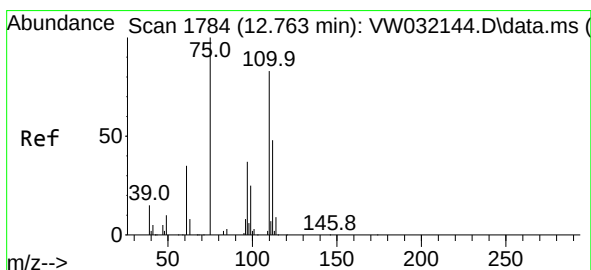
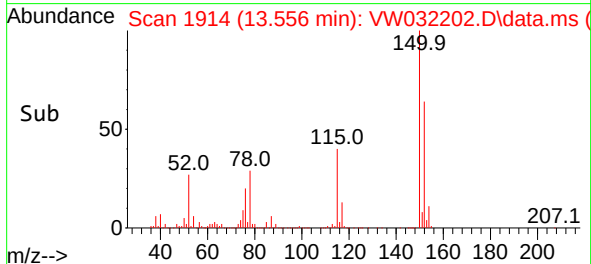
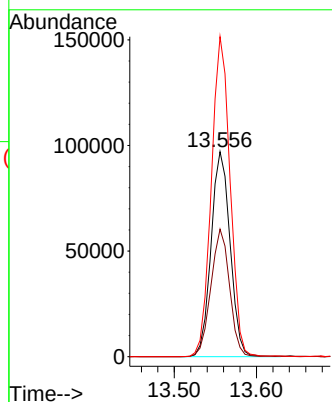
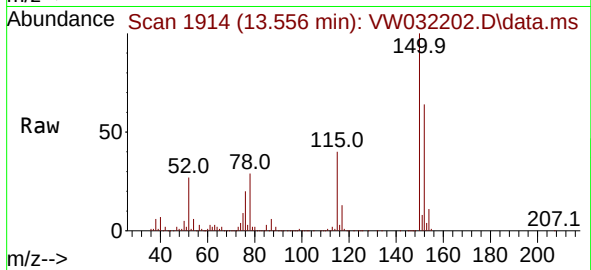




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032202.D
 Acq: 18 Sep 2025 16:09

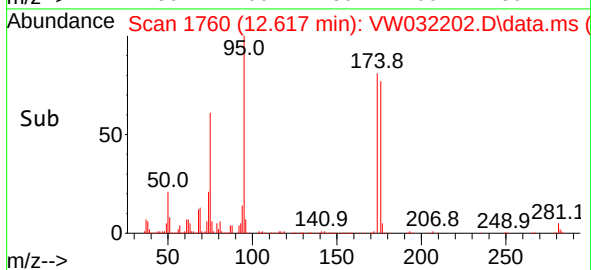
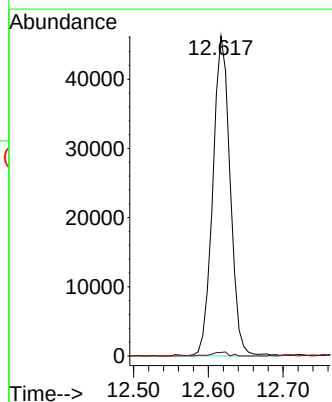
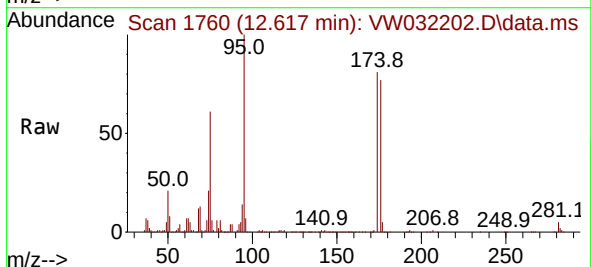
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

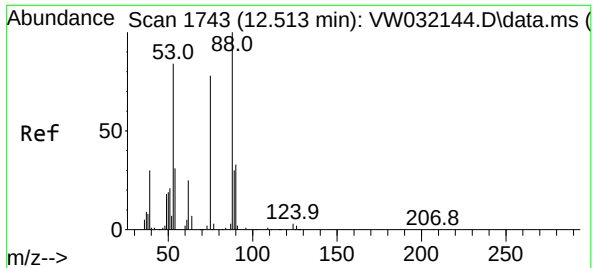
Tgt Ion:152 Resp: 155848
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.8 95.4
 150 154.2 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 38.331 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.147 min
 Lab File: VW032202.D
 Acq: 18 Sep 2025 16:09

Tgt Ion: 75 Resp: 74839
 Ion Ratio Lower Upper
 75 100
 77 1.2 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 103.204 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.103 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 74839
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.0 39.4 59.2#

