

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032323.D
 Acq On : 02 Oct 2025 11:20
 Operator : SY/MD
 Sample : VW1002SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 21:33:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

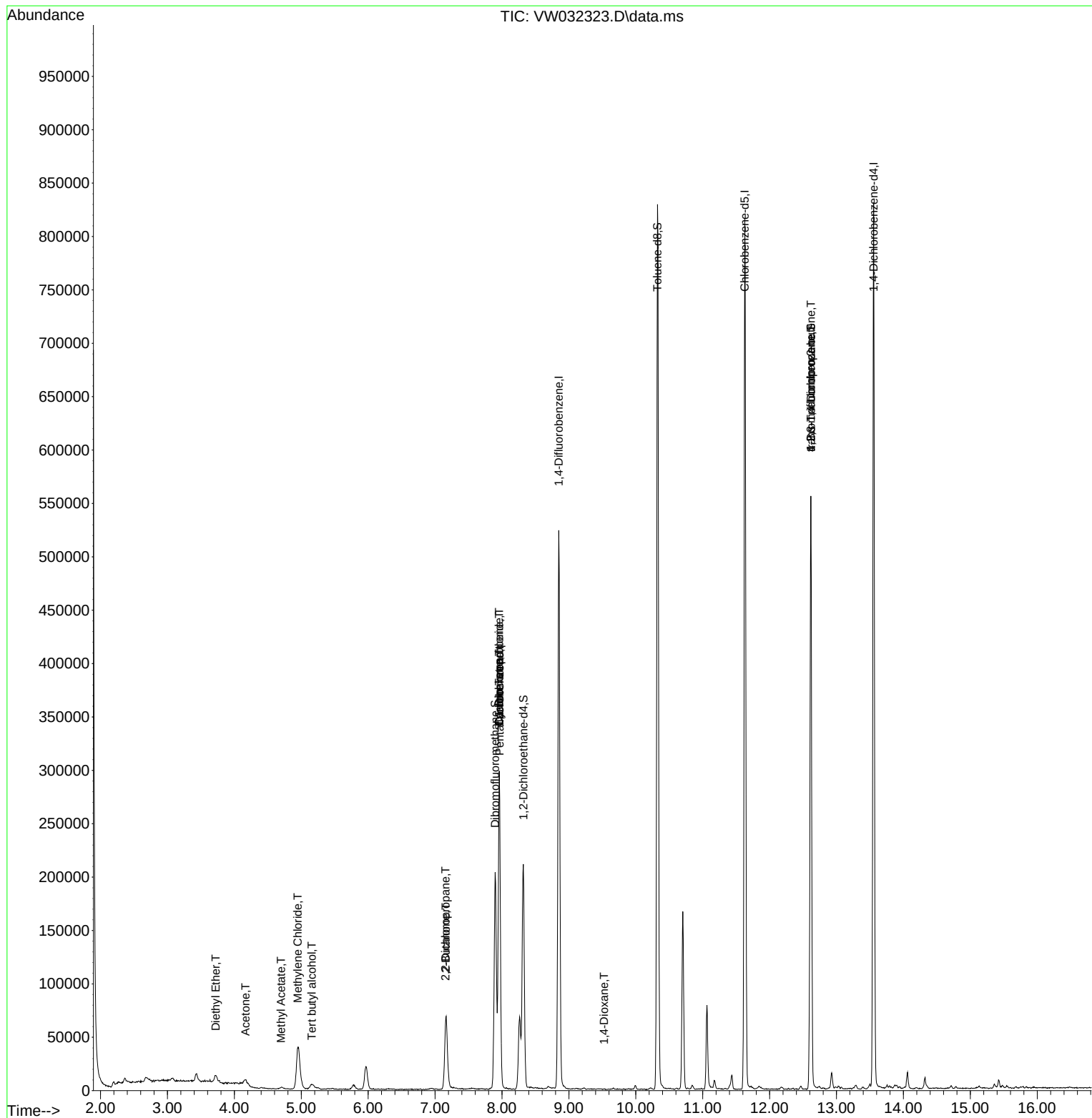
Internal Standards						
1) Pentafluorobenzene	7.965	168	200843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	433970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	450698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	204423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	175563	59.931	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.860%		
35) Dibromofluoromethane	7.898	113	148013	52.666	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 105.340%		
50) Toluene-d8	10.325	98	553065	53.319	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.640%		
62) 4-Bromofluorobenzene	12.617	95	199049	50.771	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.540%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.722	74	4115	2.732	ug/l	91
11) Tert butyl alcohol	5.155	59	6073	27.388	ug/l #	69
16) Acetone	4.167	43	7675	9.462	ug/l	94
18) Methyl Acetate	4.698	43	2746	1.182	ug/l	97
20) Methylene Chloride	4.948	84	34614	8.448	ug/l	93
25) 2-Butanone	7.161	43	3661	3.314	ug/l #	69
26) 2,2-Dichloropropane	7.155	77	5139	2.080	ug/l #	52
31) Cyclohexane	7.959	56	5095	1.235	ug/l #	4
36) 1,1-Dichloropropene	7.959	75	19154	4.829	ug/l #	49
38) Carbon Tetrachloride	7.959	117	23107	6.191	ug/l #	17
49) 1,4-Dioxane	9.526	88	42	1.610	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	99598	37.024	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	99598	93.792	ug/l #	5

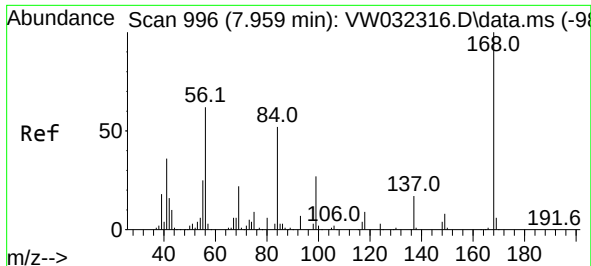
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
Data File : VW032323.D
Acq On : 02 Oct 2025 11:20
Operator : SY/MD
Sample : VW1002SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 02 21:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

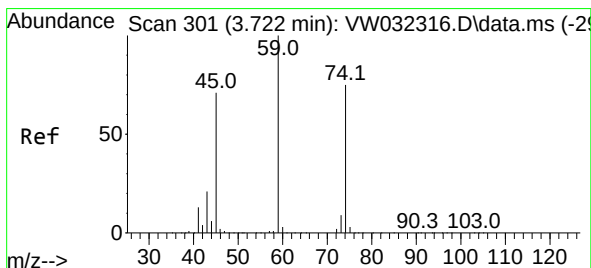
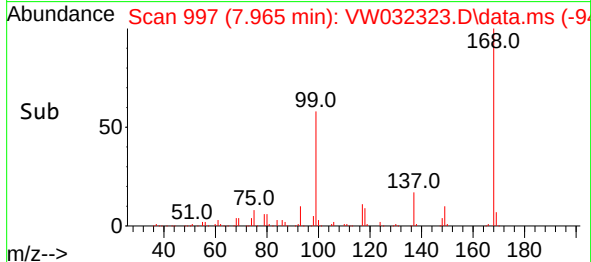
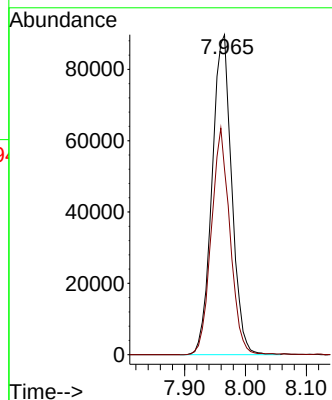
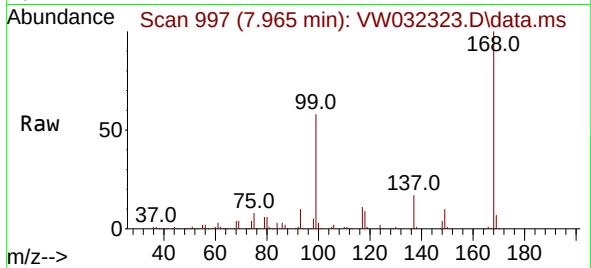




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

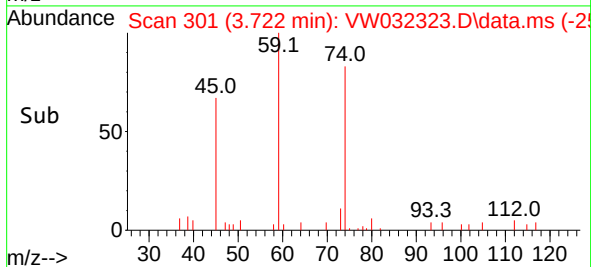
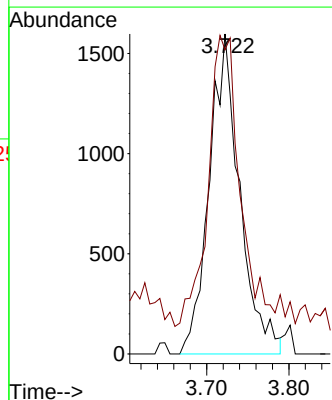
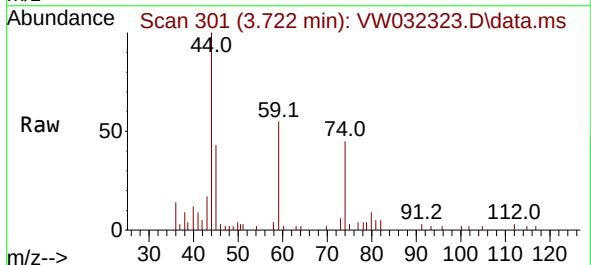
Instrument :
MSVOA_W
ClientSampleId :

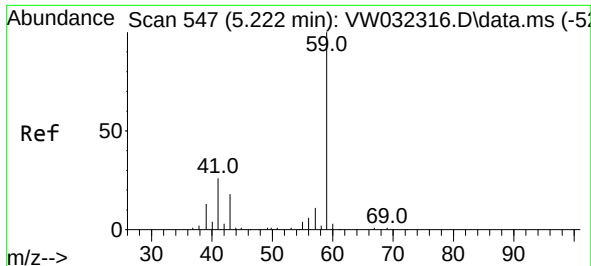
Tgt Ion:168 Resp: 200843
Ion Ratio Lower Upper
168 100
99 57.9 49.3 73.9



#8
Diethyl Ether
Concen: 2.732 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Tgt Ion: 74 Resp: 4115
Ion Ratio Lower Upper
74 100
45 94.7 43.1 129.4

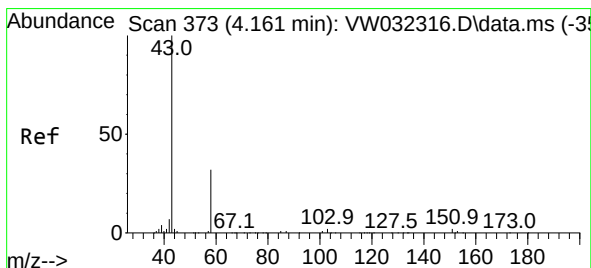
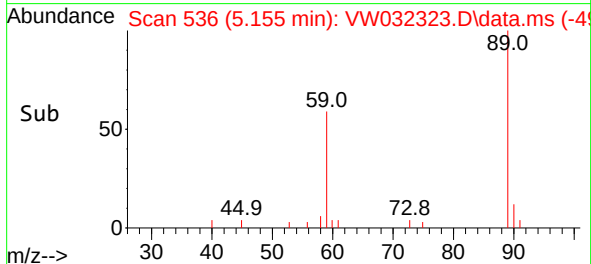
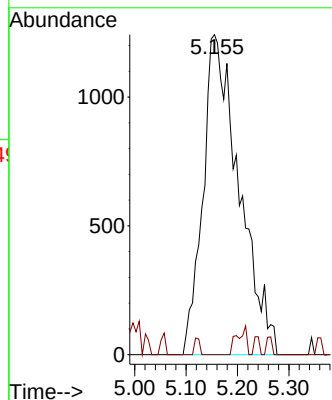
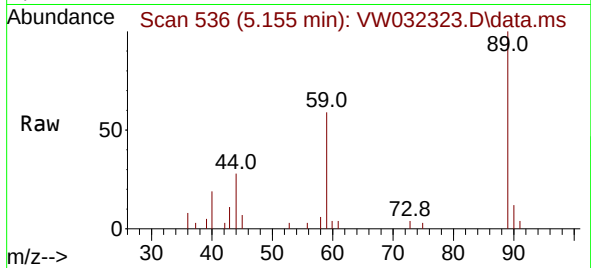




#11
Tert butyl alcohol
Concen: 27.388 ug/l
RT: 5.155 min Scan# 51
Delta R.T. -0.067 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

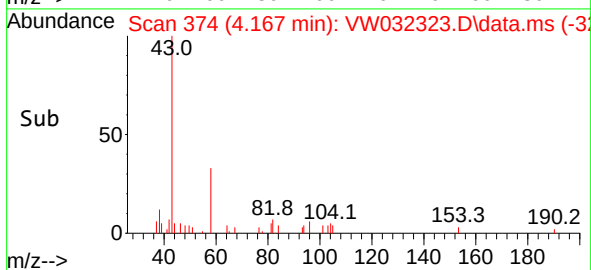
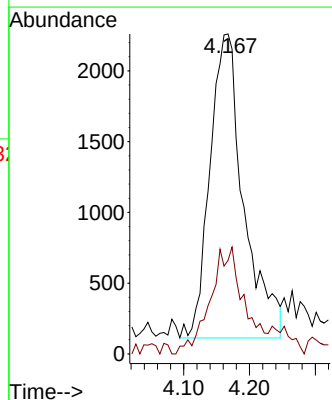
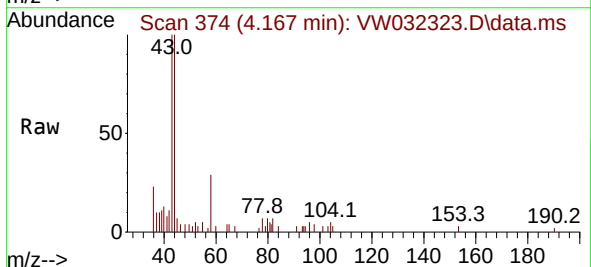
Instrument :
MSVOA_W
ClientSampleId :

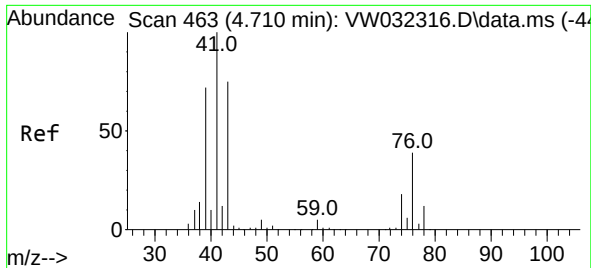
Tgt Ion: 59 Resp: 6073
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#



#16
Acetone
Concen: 9.462 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Tgt Ion: 43 Resp: 7675
Ion Ratio Lower Upper
43 100
58 28.2 25.3 37.9

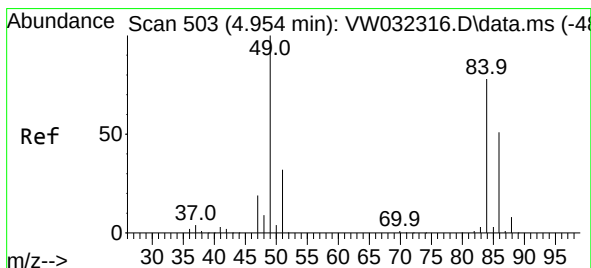
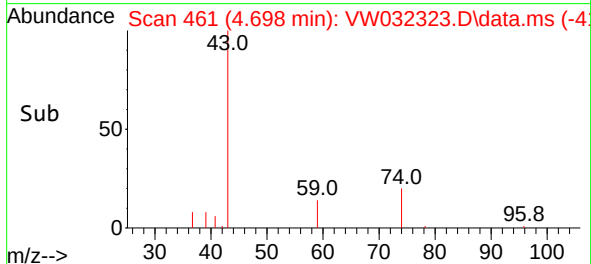
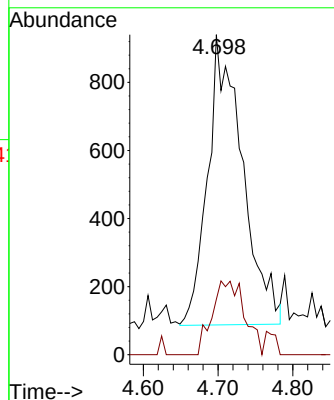
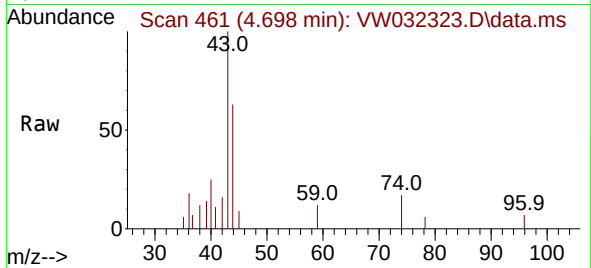




#18
Methyl Acetate
Concen: 1.182 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

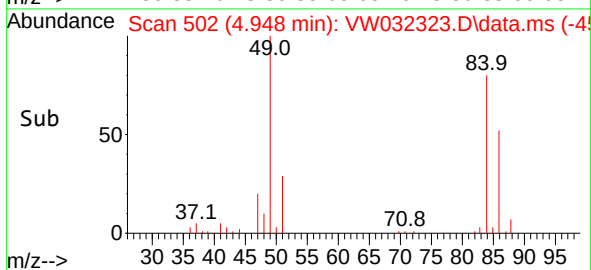
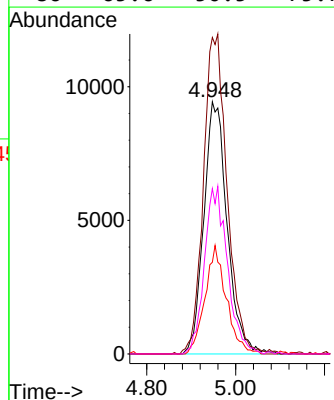
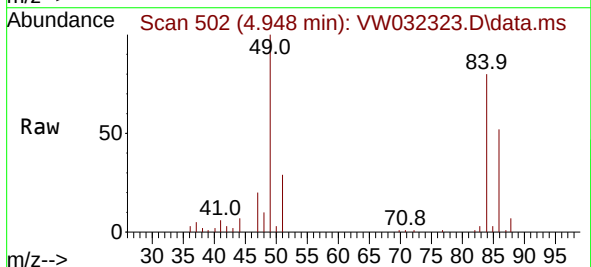
Instrument :
MSVOA_W
ClientSampleId :

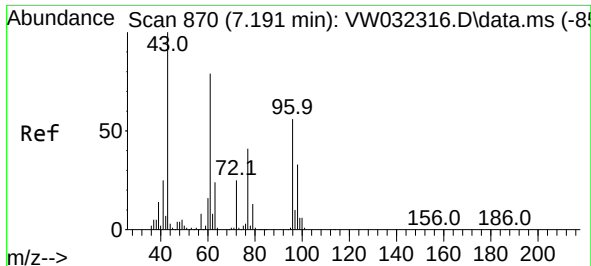
Tgt Ion: 43 Resp: 2746
Ion Ratio Lower Upper
43 100
74 23.9 20.2 30.4



#20
Methylene Chloride
Concen: 8.448 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Tgt Ion: 84 Resp: 34614
Ion Ratio Lower Upper
84 100
49 125.6 92.2 138.4
51 36.4 31.0 46.6
86 65.6 50.5 75.7

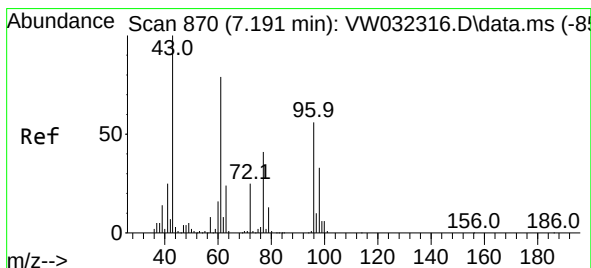
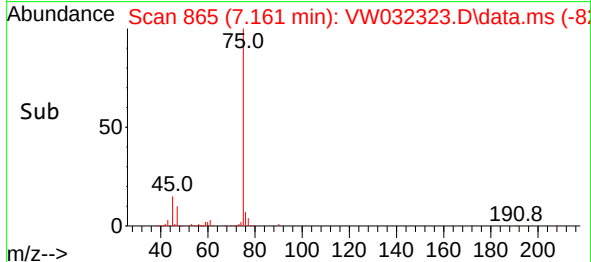
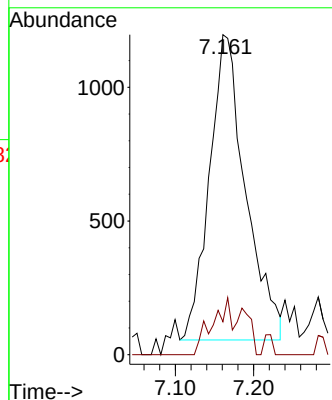
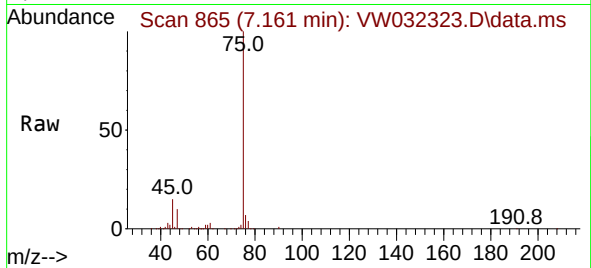




#25
2-Butanone
Concen: 3.314 ug/l
RT: 7.161 min Scan# 80
Delta R.T. -0.030 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

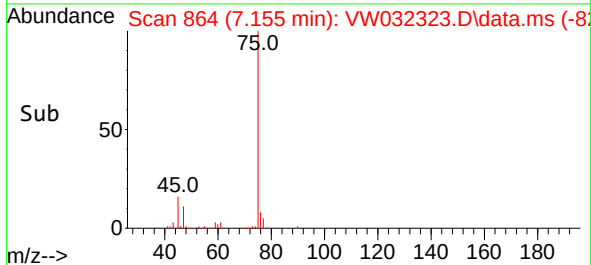
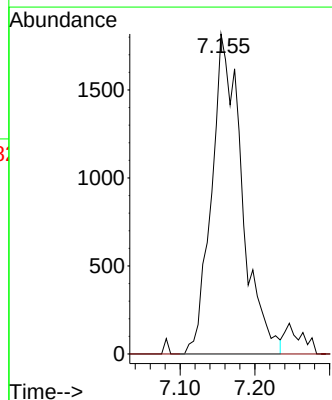
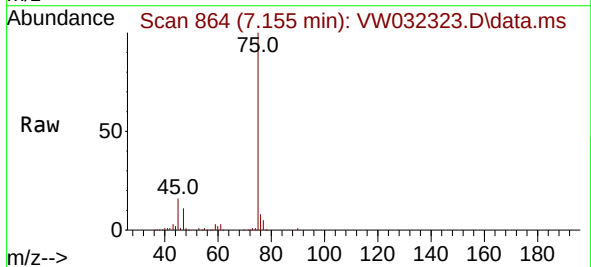
Instrument :
MSVOA_W
ClientSampleId :

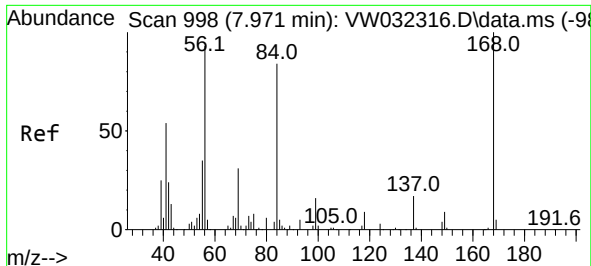
Tgt Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
72 10.8 21.4 32.2#



#26
2,2-Dichloropropane
Concen: 2.080 ug/l
RT: 7.155 min Scan# 864
Delta R.T. -0.030 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

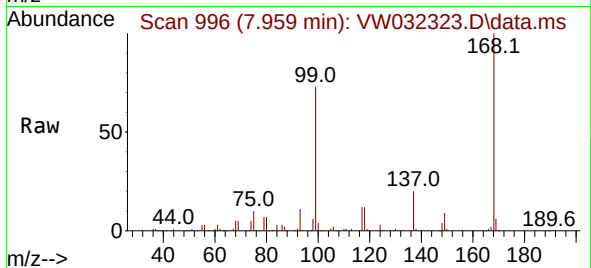
Tgt Ion: 77 Resp: 5139
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



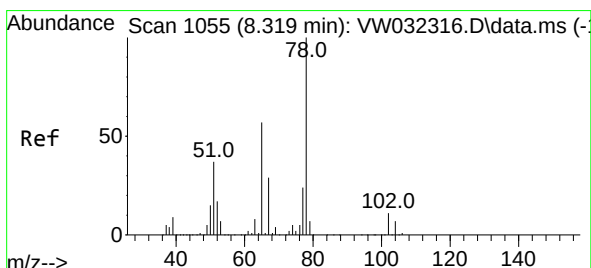
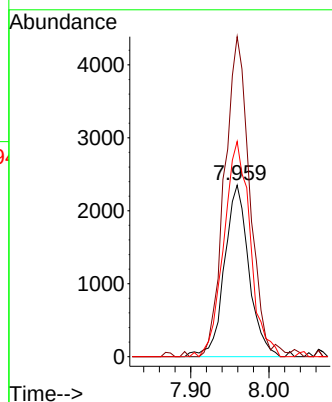
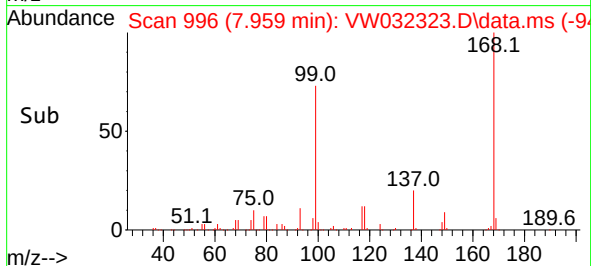


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Instrument :
MSVOA_W
ClientSampleId :

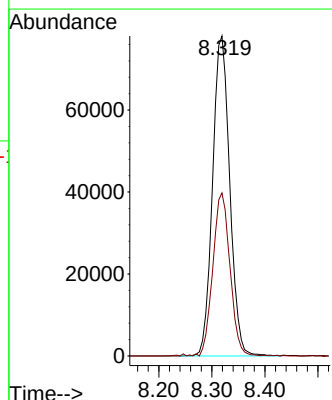
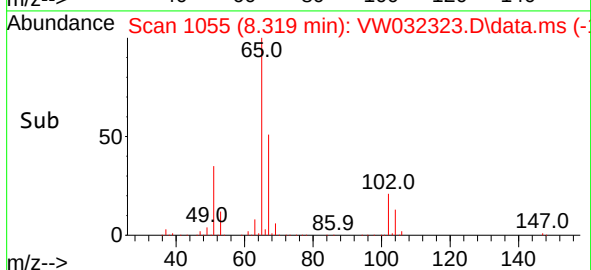
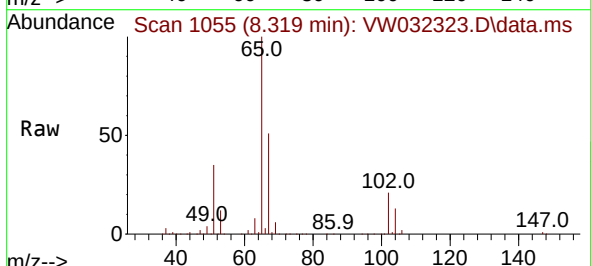


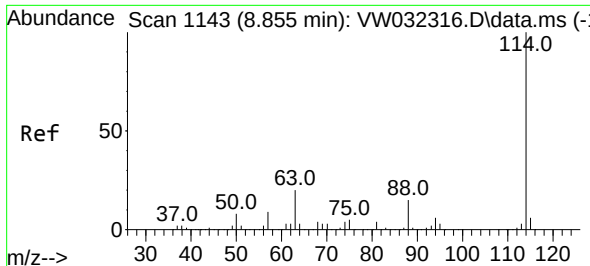
Tgt Ion: 56 Resp: 5095
Ion Ratio Lower Upper
56 100
69 186.6 27.7 41.5#
84 125.5 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 59.931 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Tgt Ion: 65 Resp: 175563
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.6

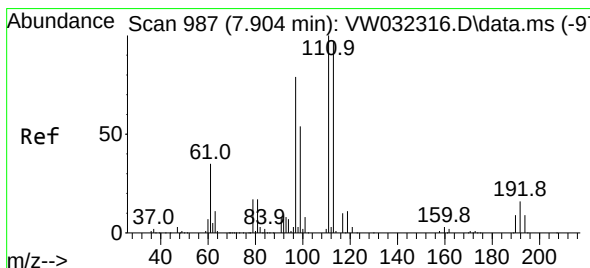
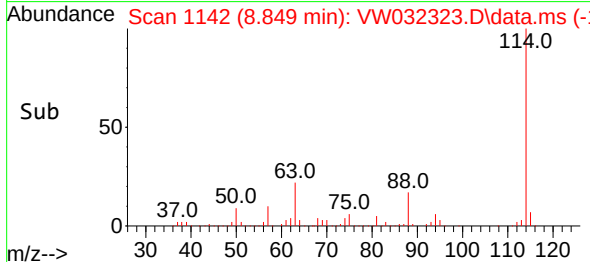
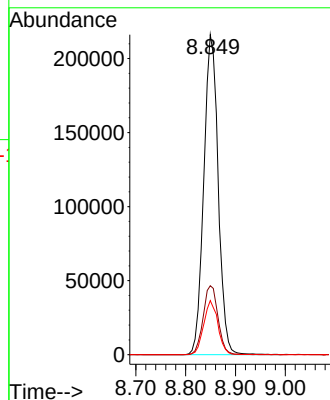
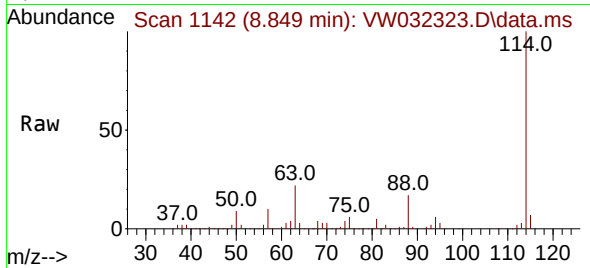




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

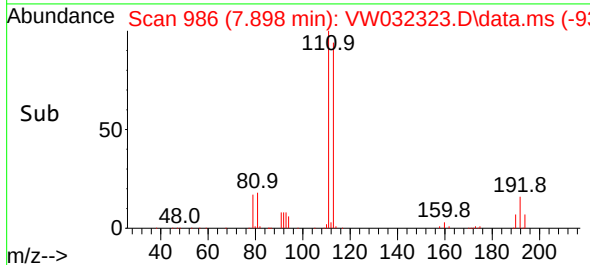
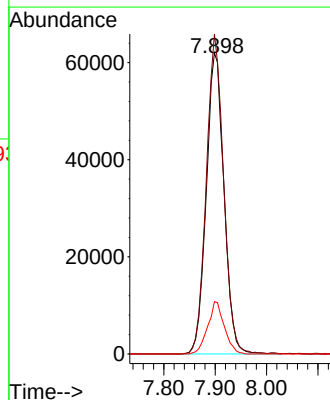
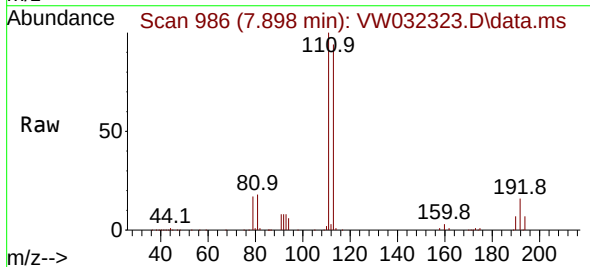
Instrument :
MSVOA_W
ClientSampleId :

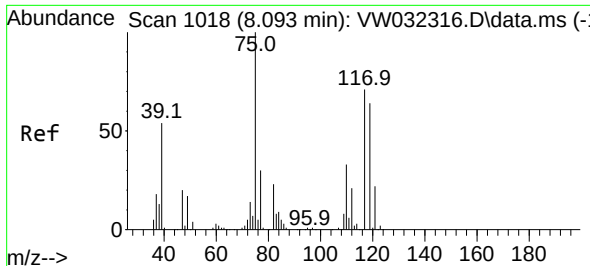
Tgt Ion:114 Resp: 433970
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.4
88 16.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 52.666 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Tgt Ion:113 Resp: 148013
Ion Ratio Lower Upper
113 100
111 103.9 83.9 125.9
192 16.4 14.6 21.8

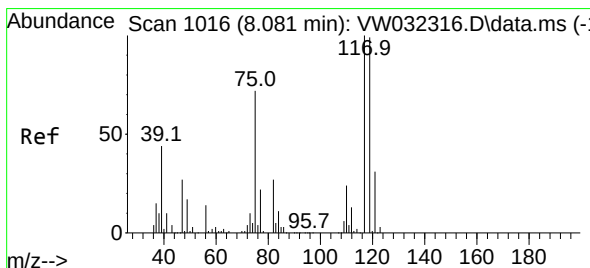
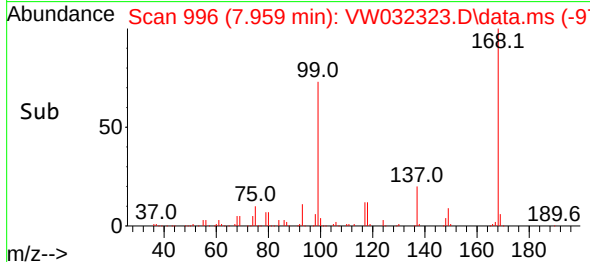
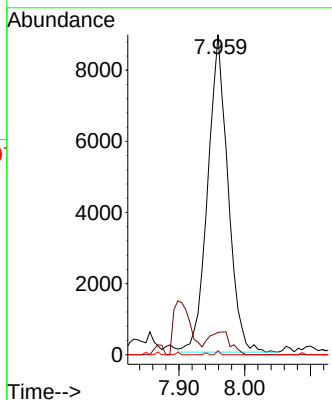
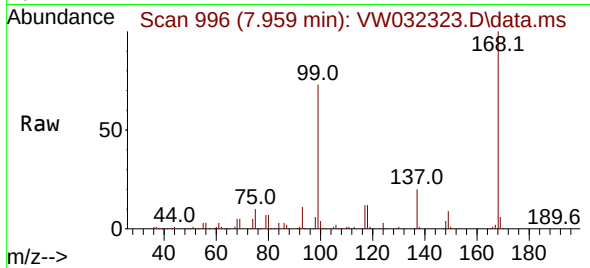




#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

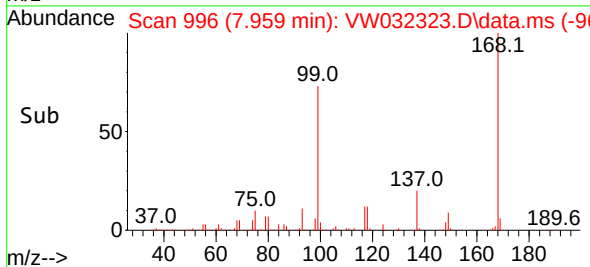
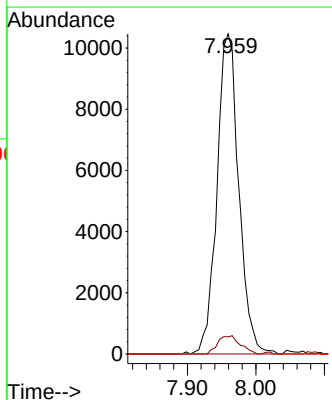
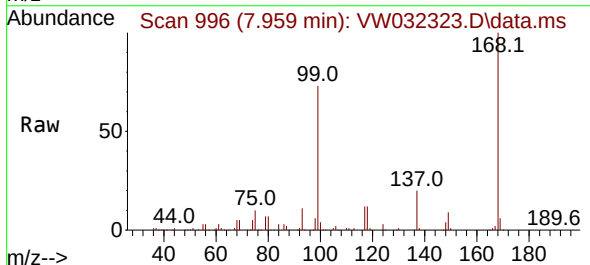
Instrument :
MSVOA_W
ClientSampleId :

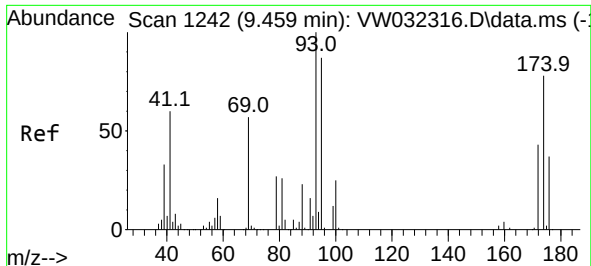
Tgt Ion: 75 Resp: 19154
Ion Ratio Lower Upper
75 100
110 7.8 17.5 52.5#
77 0.2 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Tgt Ion: 117 Resp: 23107
Ion Ratio Lower Upper
117 100
119 5.3 74.2 111.2#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.610 ug/l

RT: 9.526 min Scan# 1253

Delta R.T. 0.067 min

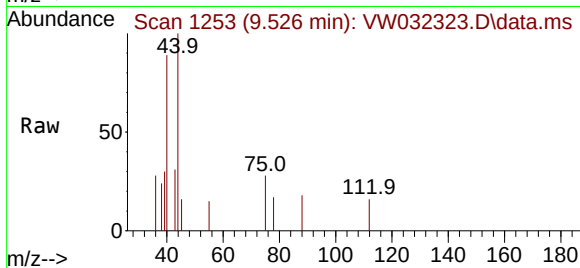
Lab File: VW032323.D

Acq: 02 Oct 2025 11:20

Instrument :

MSVOA_W

ClientSampleId :



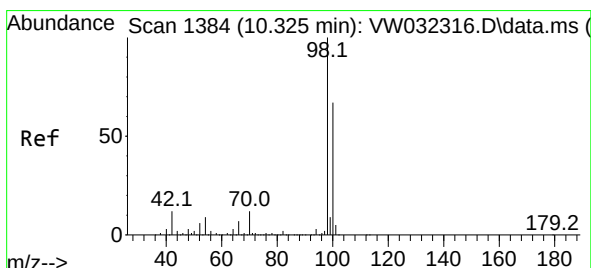
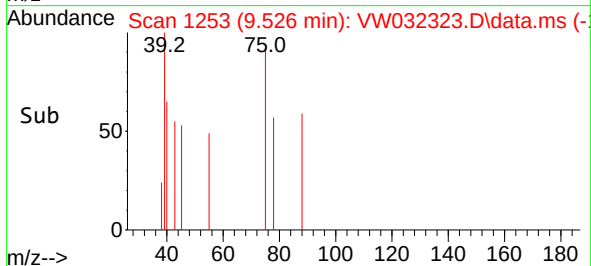
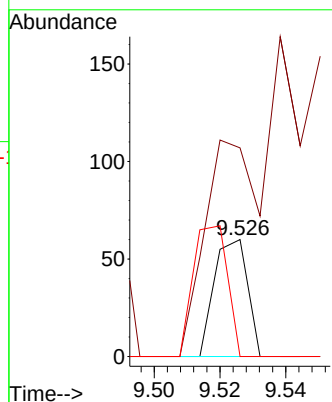
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 752.4 18.0 27.0#

58 114.3 55.4 83.0#



#50

Toluene-d8

Concen: 53.319 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032323.D

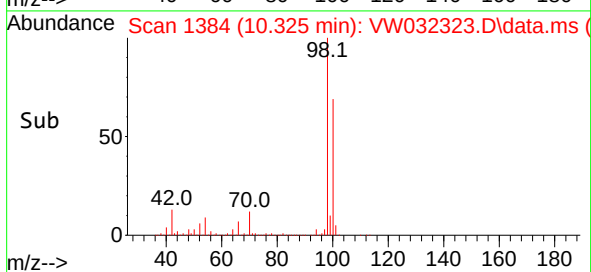
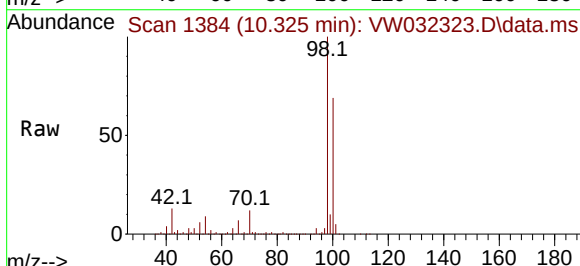
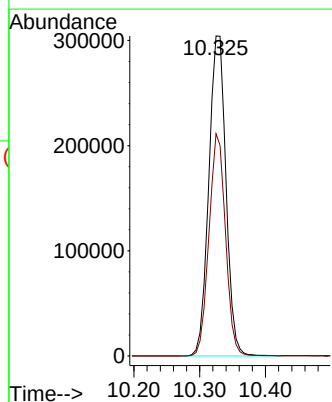
Acq: 02 Oct 2025 11:20

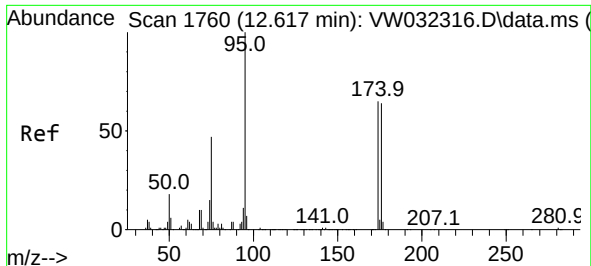
Tgt Ion: 98 Resp: 553065

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.2

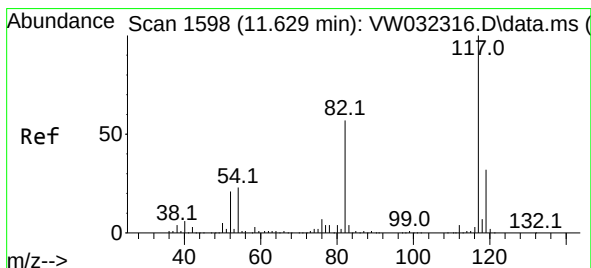
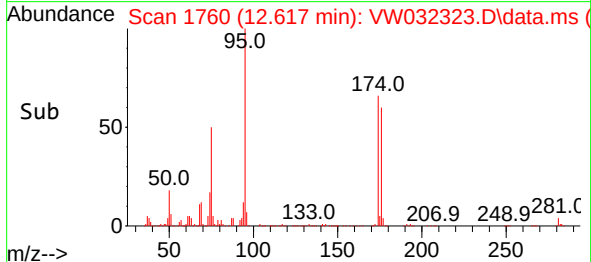
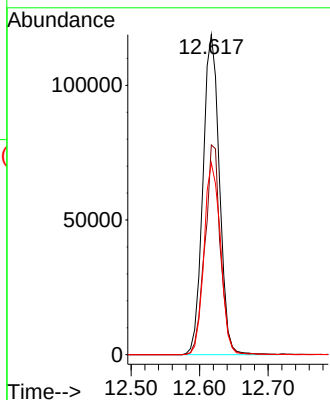
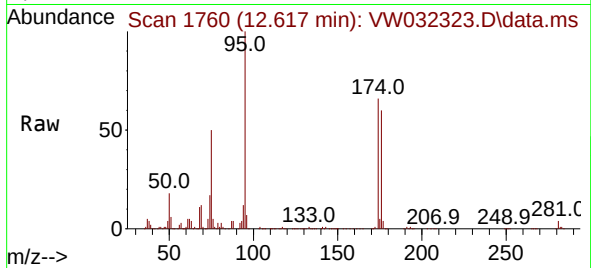




#62
4-Bromofluorobenzene
Concen: 50.771 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

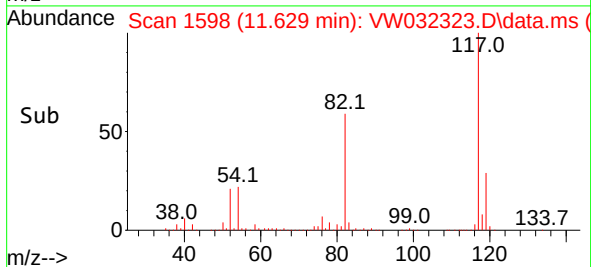
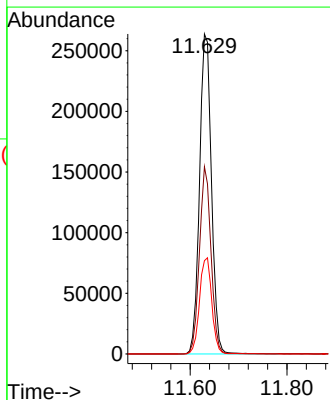
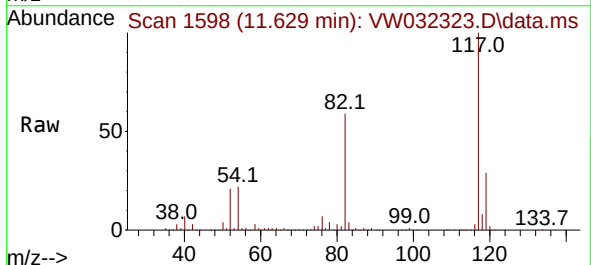
Instrument :
MSVOA_W
ClientSampleId :

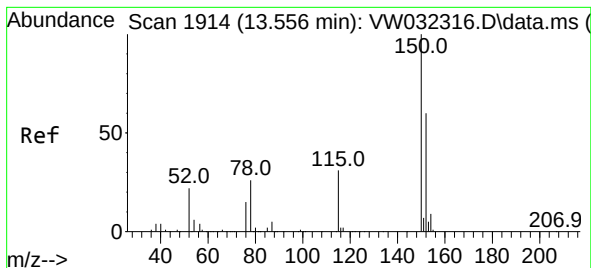
Tgt Ion: 95 Resp: 199049
Ion Ratio Lower Upper
95 100
174 62.2 0.0 145.6
176 60.2 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

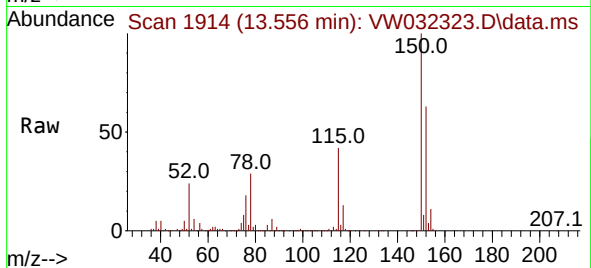
Tgt Ion: 117 Resp: 450698
Ion Ratio Lower Upper
117 100
82 58.5 42.7 64.1
119 29.1 25.2 37.8



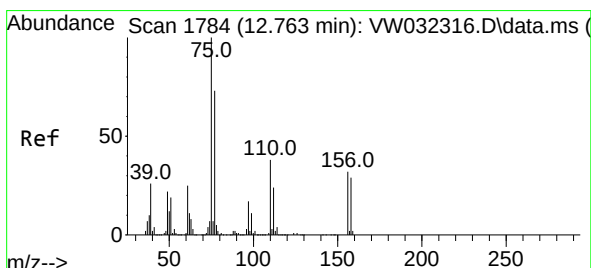
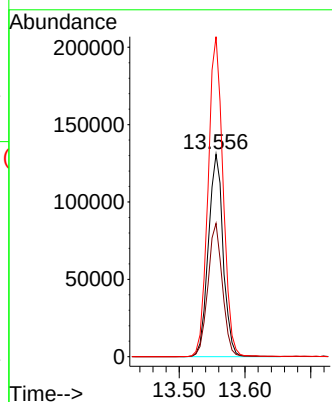
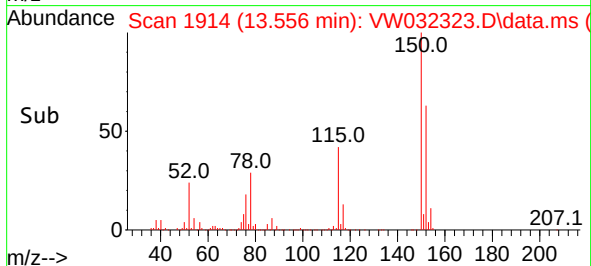


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032323.D
 Acq: 02 Oct 2025 11:20

Instrument :
 MSVOA_W
 ClientSampleId :

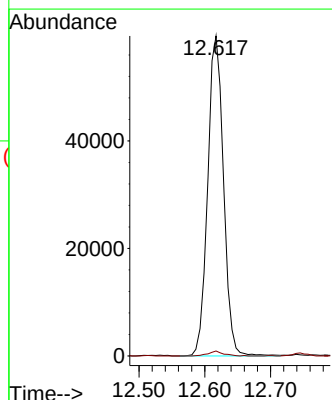
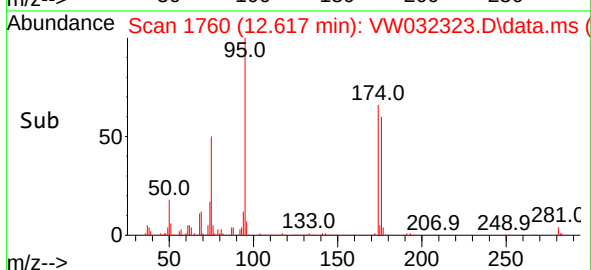
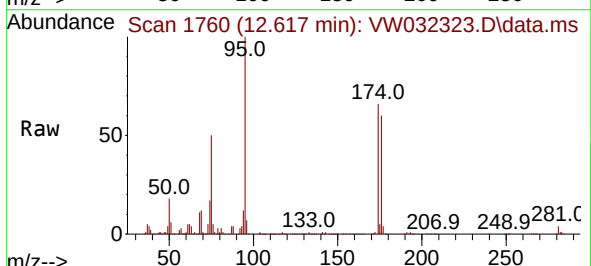


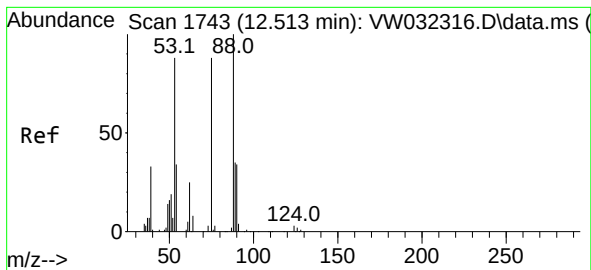
Tgt Ion:152 Resp: 204423
 Ion Ratio Lower Upper
 152 100
 115 64.8 31.8 95.4
 150 160.3 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 37.024 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032323.D
 Acq: 02 Oct 2025 11:20

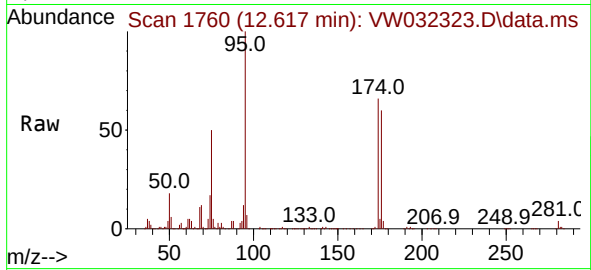
Tgt Ion: 75 Resp: 99598
 Ion Ratio Lower Upper
 75 100
 77 1.4 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 93.792 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032323.D
Acq: 02 Oct 2025 11:20

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	91.0	136.6#
89	0.0	39.4	59.2#

