

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032096.D
 Acq On : 14 Aug 2025 16:10
 Operator : SY/MD
 Sample : Q2820-13
 Misc : 9.13g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 10P-W

Quant Time: Aug 18 03:54:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

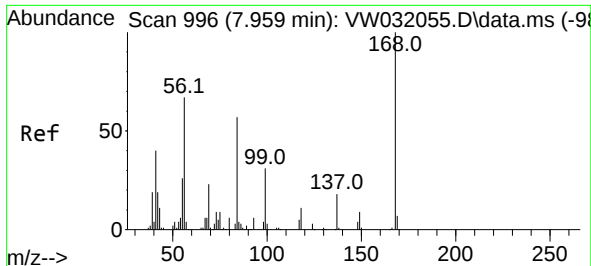
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	153502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	317351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	347999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120279	54.178	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.360%		
35) Dibromofluoromethane	7.904	113	108290	52.819	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 105.640%		
50) Toluene-d8	10.325	98	353584	46.628	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 93.260%		
62) 4-Bromofluorobenzene	12.617	95	127022	45.455	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 90.900%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	292	2.031	ug/l #	61
16) Acetone	4.161	43	7948	15.463	ug/l #	88
18) Methyl Acetate	4.728	43	2106	1.295	ug/l #	49
20) Methylene Chloride	4.960	84	13233	5.568	ug/l	92
25) 2-Butanone	7.197	43	2708	3.707	ug/l	99
31) Cyclohexane	7.959	56	4522	1.429	ug/l #	28
36) 1,1-Dichloropropene	7.965	75	14789	5.117	ug/l #	52
38) Carbon Tetrachloride	7.959	117	18615	6.674	ug/l #	19
49) 1,4-Dioxane	9.508	88	44	2.429	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	72622	29.823	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	72622	77.208	ug/l #	10

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

Quant Time: Aug 18 03:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

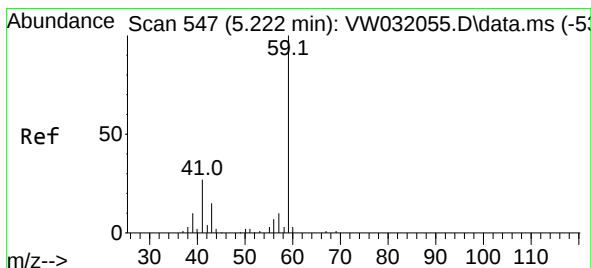
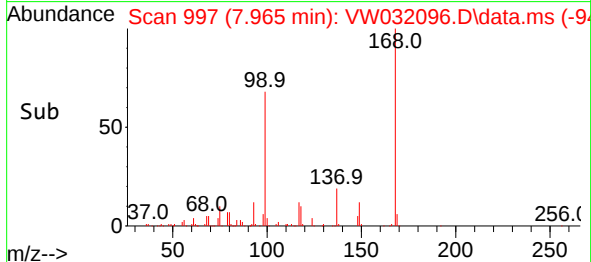
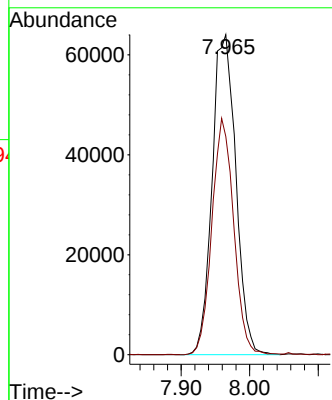
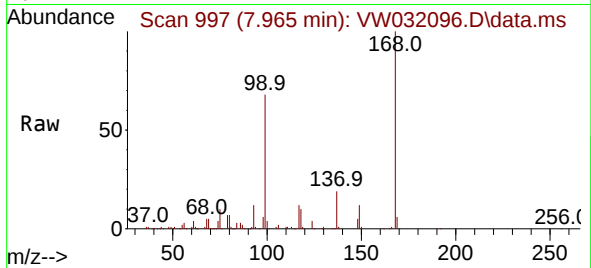




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

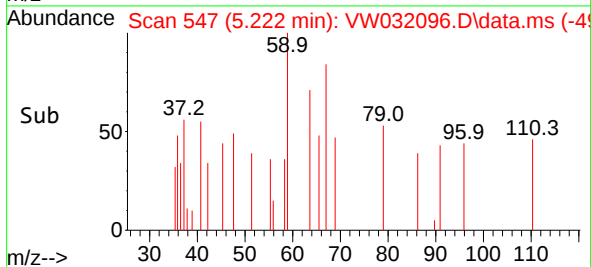
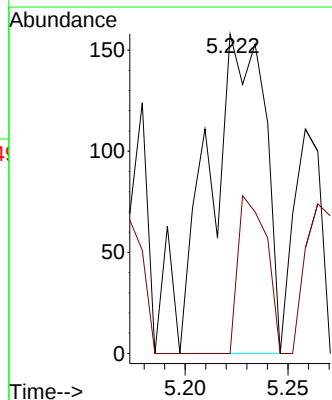
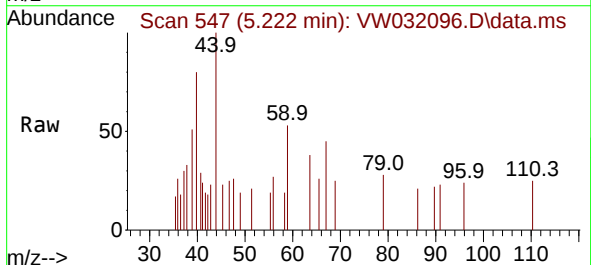
Instrument :
MSVOA_W
ClientSampleId :
10P-W

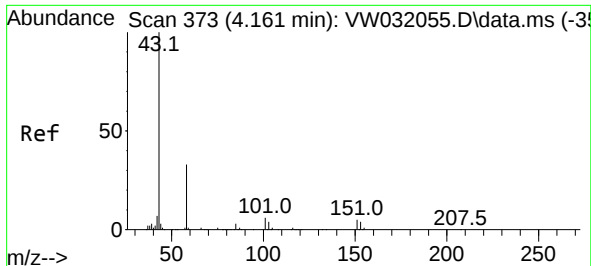
Tgt Ion:168 Resp: 153502
Ion Ratio Lower Upper
168 100
99 68.2 56.0 84.0



#11
Tert butyl alcohol
Concen: 2.031 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 25.7 8.7 13.1#

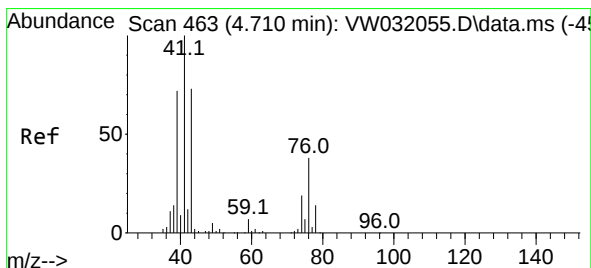
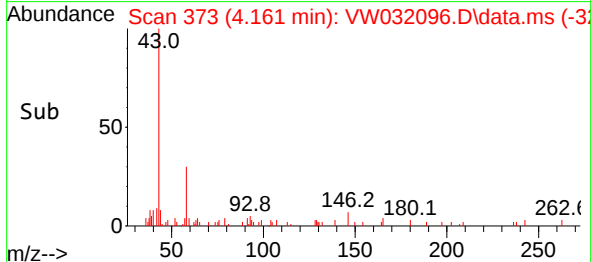
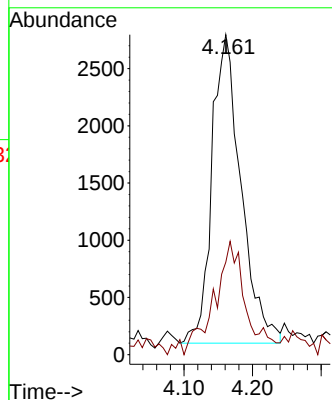
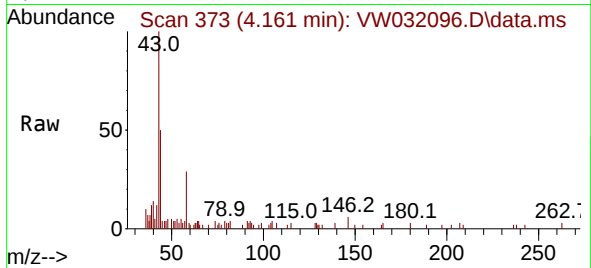




#16
Acetone
Concen: 15.463 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

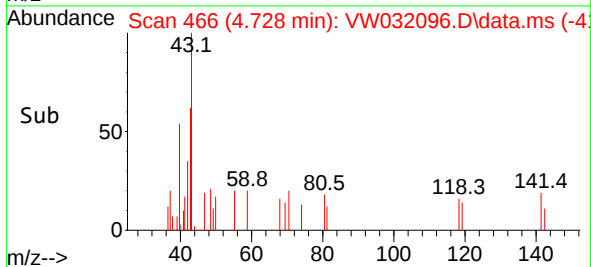
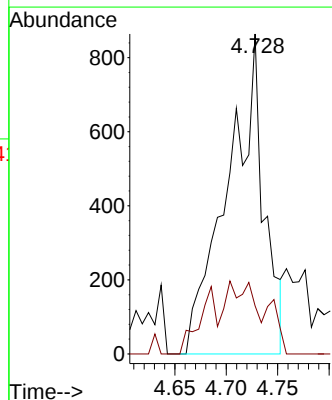
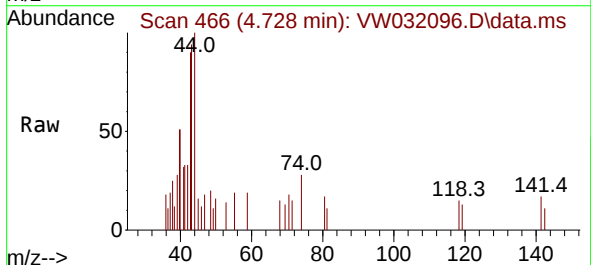
Instrument :
MSVOA_W
ClientSampleId :
10P-W

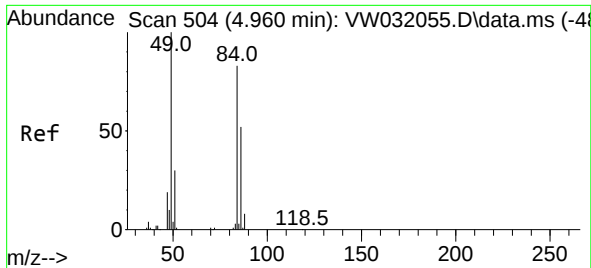
Tgt Ion: 43 Resp: 7948
Ion Ratio Lower Upper
43 100
58 26.1 26.6 39.8#



#18
Methyl Acetate
Concen: 1.295 ug/l
RT: 4.728 min Scan# 466
Delta R.T. 0.018 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#

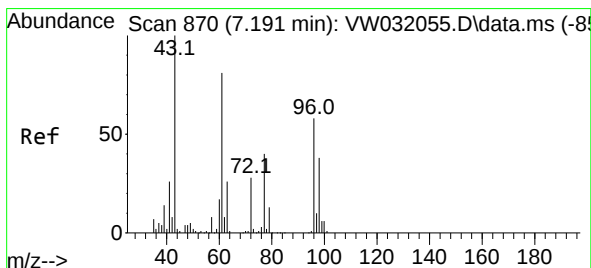
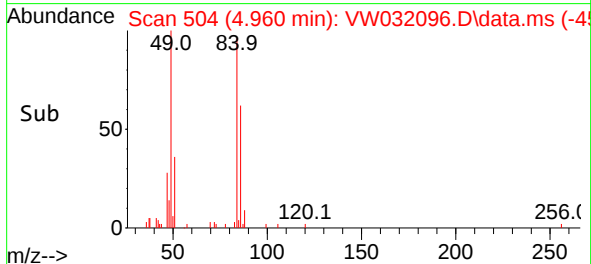
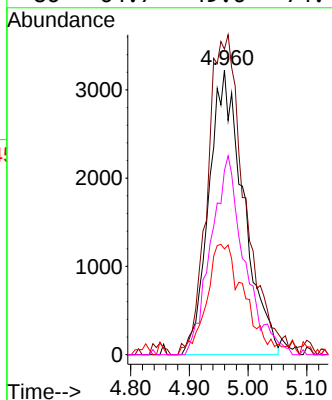
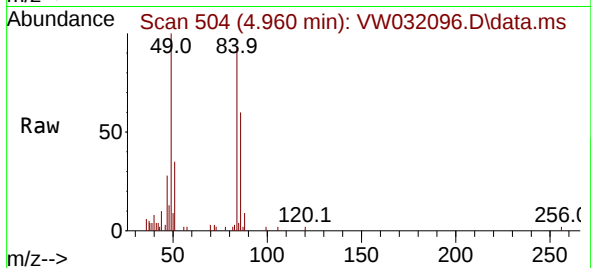




#20
Methylene Chloride
Concen: 5.568 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

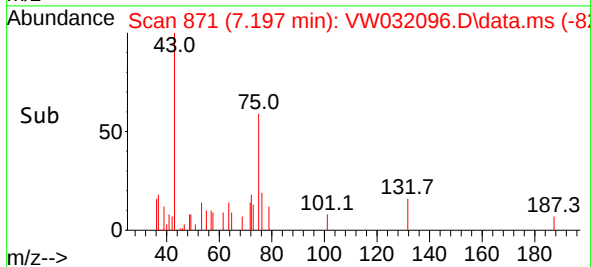
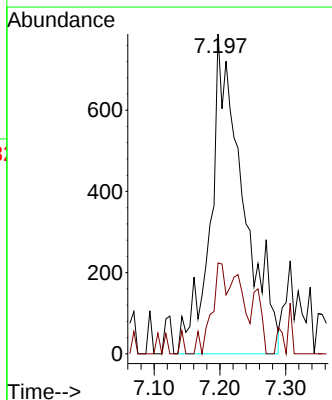
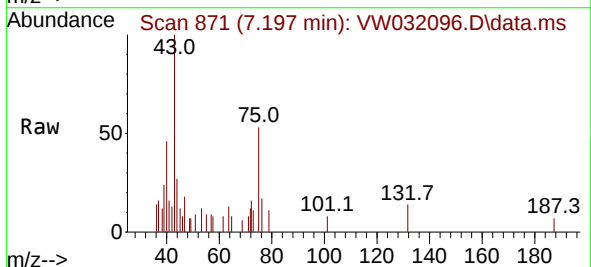
Instrument :
MSVOA_W
ClientSampleId :
10P-W

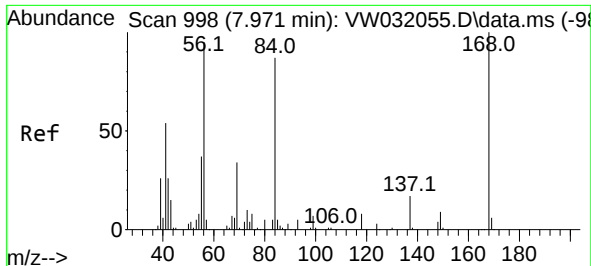
Tgt Ion:	84	Resp:	13233
Ion	Ratio	Lower	Upper
84	100		
49	107.3	95.9	143.9
51	37.1	28.6	43.0
86	64.7	49.6	74.4



#25
2-Butanone
Concen: 3.707 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion:	43	Resp:	2708
Ion	Ratio	Lower	Upper
43	100		
72	28.4	22.3	33.5

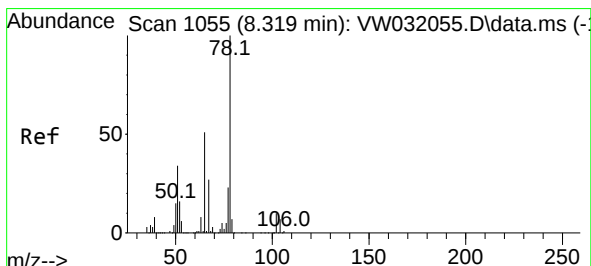
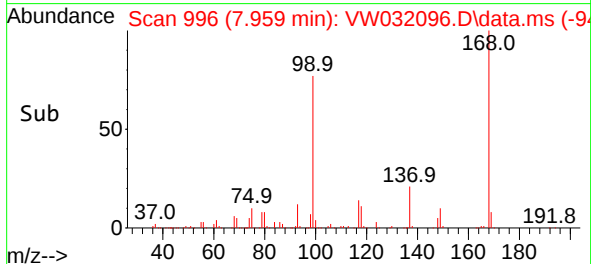
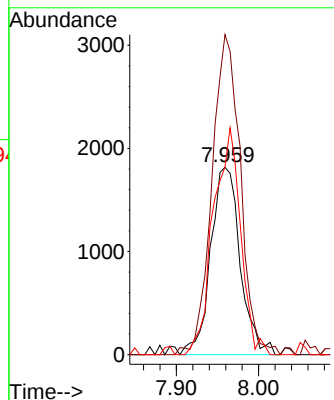
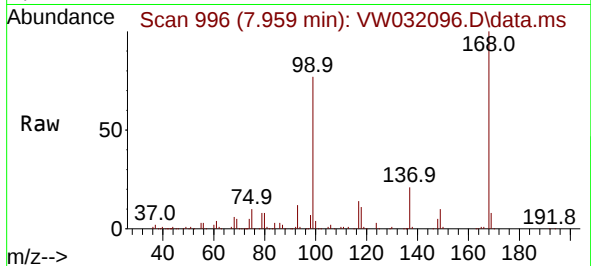




#31
Cyclohexane
Concen: 1.429 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

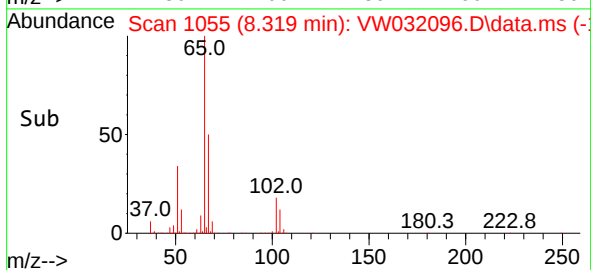
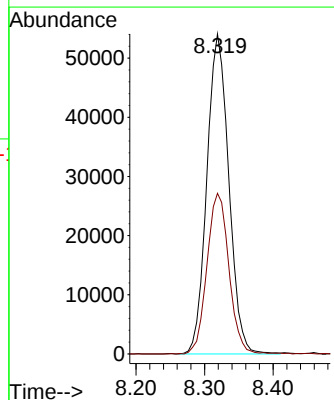
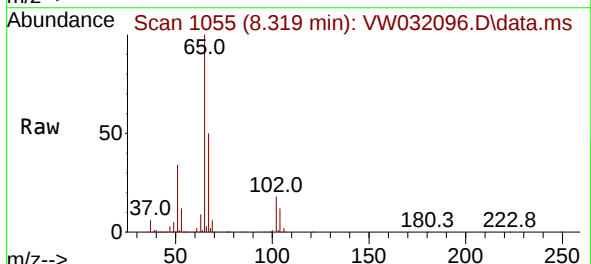
Instrument :
MSVOA_W
ClientSampleId :
10P-W

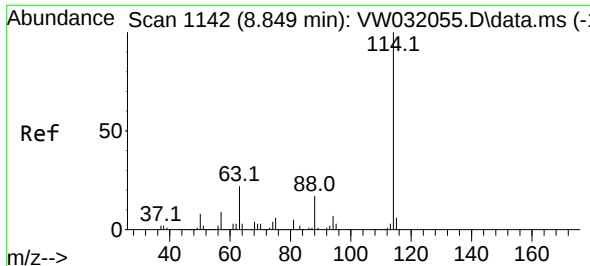
Tgt Ion: 56 Resp: 4522
Ion Ratio Lower Upper
56 100
69 170.7 28.6 42.8#
84 100.2 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 54.178 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion: 65 Resp: 120279
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4

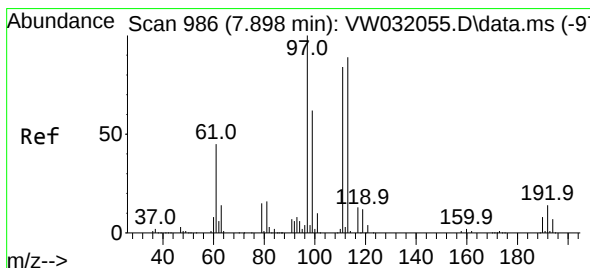
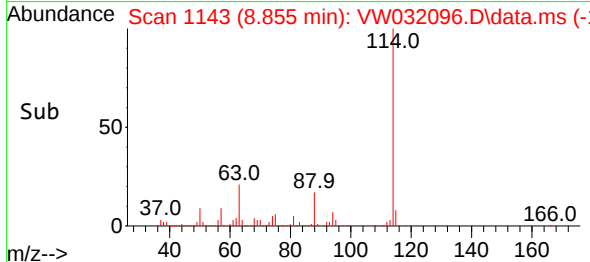
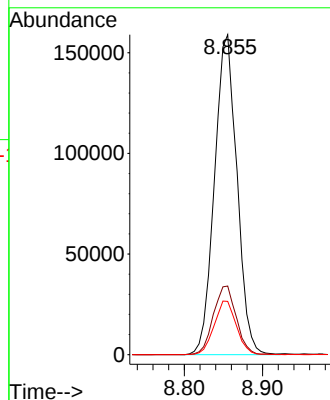
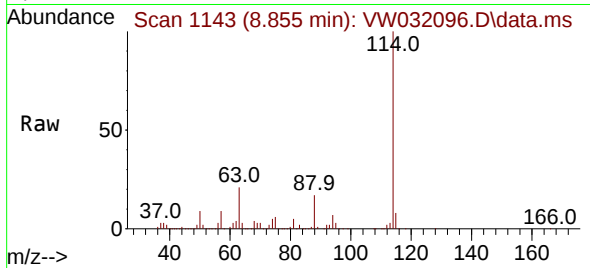




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

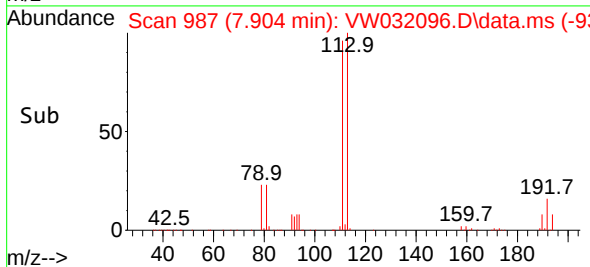
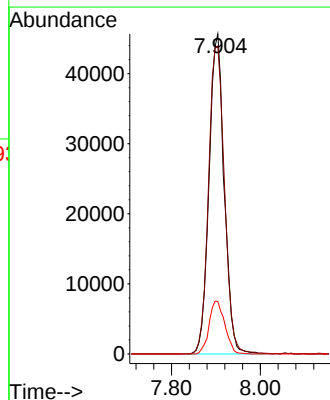
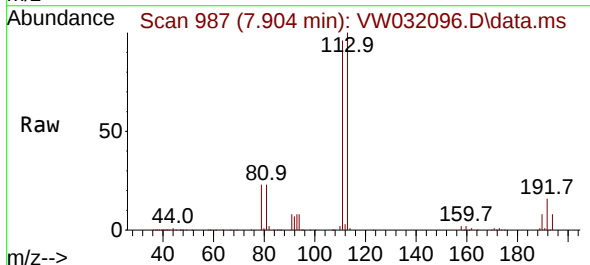
Instrument :
MSVOA_W
ClientSampleId :
10P-W

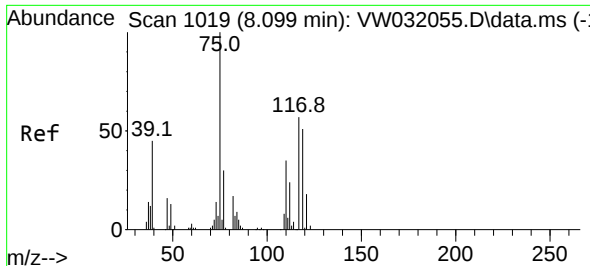
Tgt Ion:114 Resp: 317351
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.0
88 16.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 52.819 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion:113 Resp: 108290
Ion Ratio Lower Upper
113 100
111 101.5 80.1 120.1
192 17.1 13.1 19.7

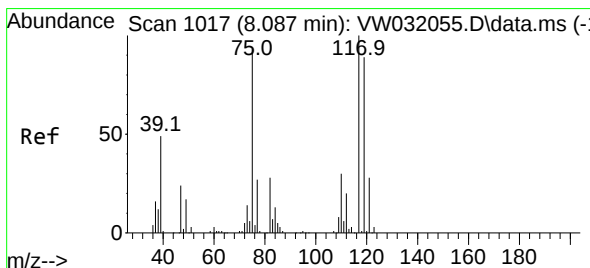
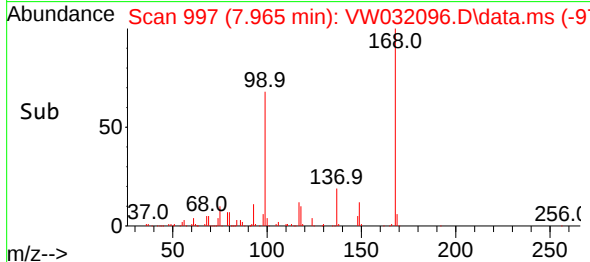
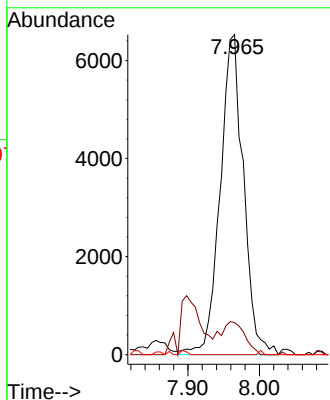
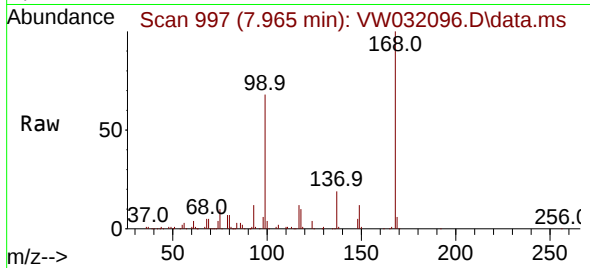




#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032096.D
 Acq: 14 Aug 2025 16:10

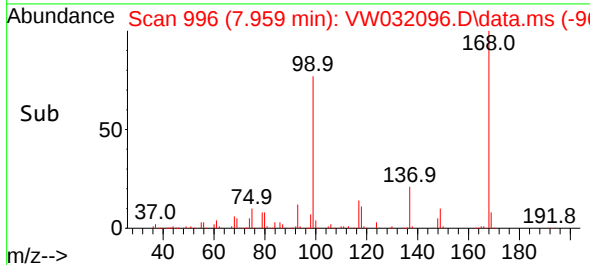
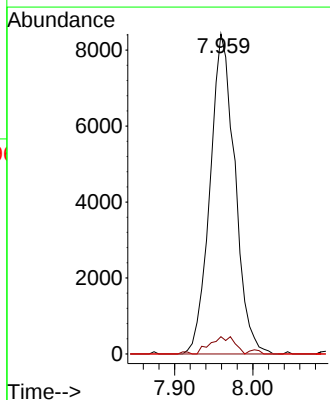
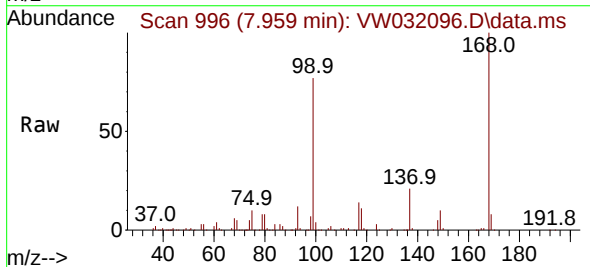
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 10P-W

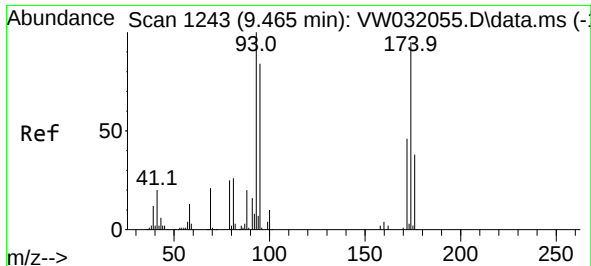
Tgt Ion: 75 Resp: 14789
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.4 52.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.674 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032096.D
 Acq: 14 Aug 2025 16:10

Tgt Ion: 117 Resp: 18615
 Ion Ratio Lower Upper
 117 100
 119 5.4 71.4 107.2#
 121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 2.429 ug/l

RT: 9.508 min Scan# 11

Delta R.T. 0.043 min

Lab File: VW032096.D

Acq: 14 Aug 2025 16:10

Instrument :

MSVOA_W

ClientSampleId :

10P-W

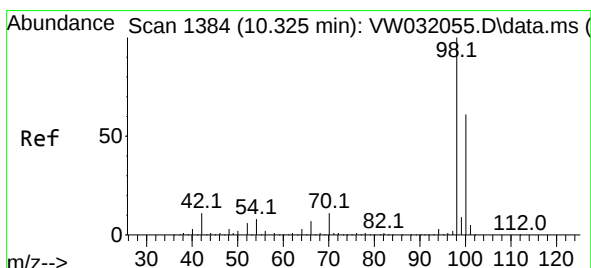
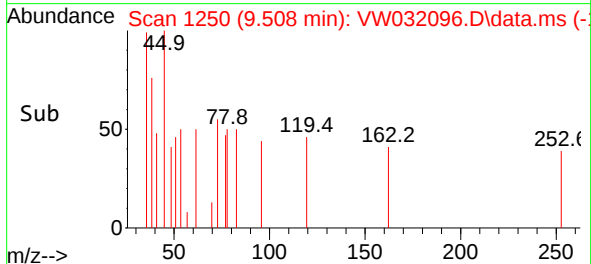
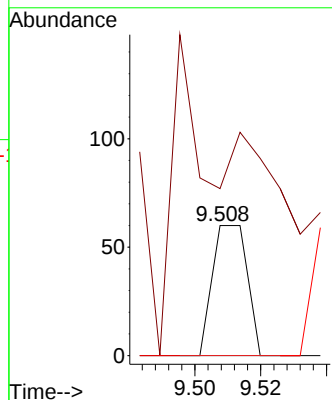
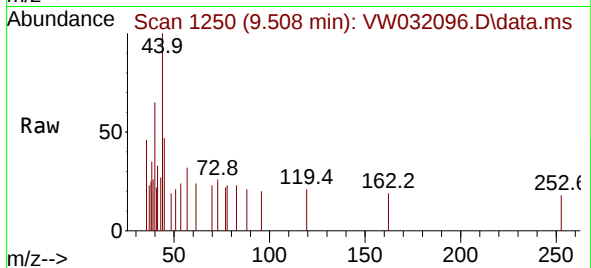
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 254.5 20.6 30.8#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 46.628 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032096.D

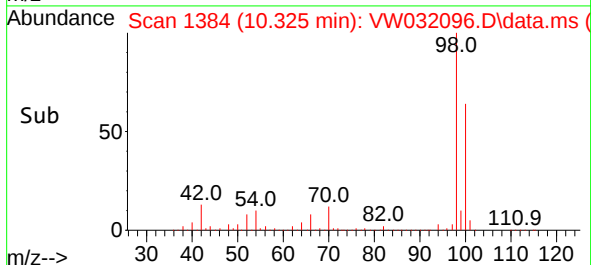
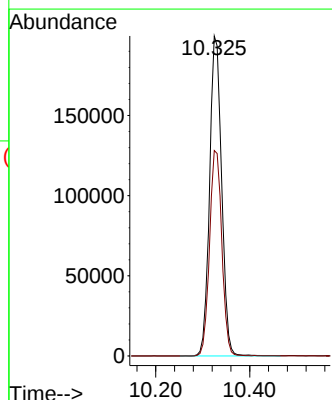
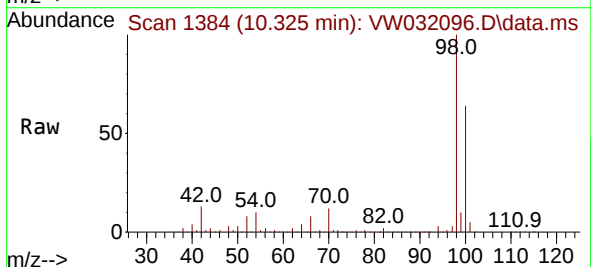
Acq: 14 Aug 2025 16:10

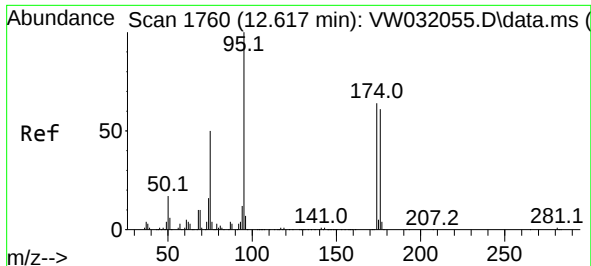
Tgt Ion: 98 Resp: 353584

Ion Ratio Lower Upper

98 100

100 65.3 51.1 76.7

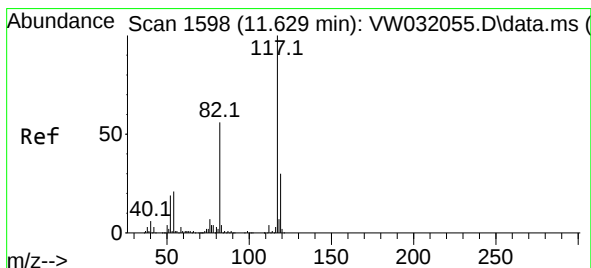
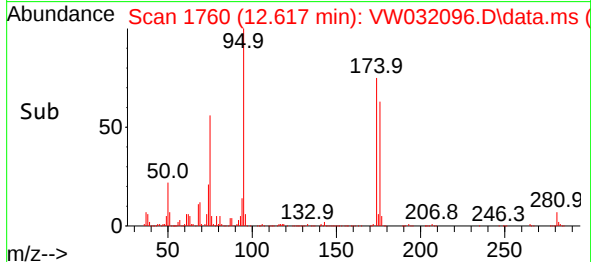
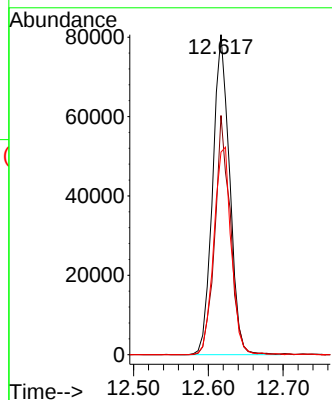
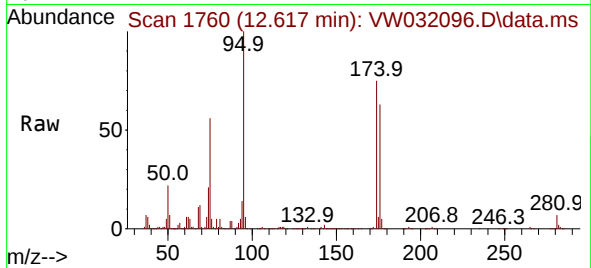




#62
4-Bromofluorobenzene
Concen: 45.455 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

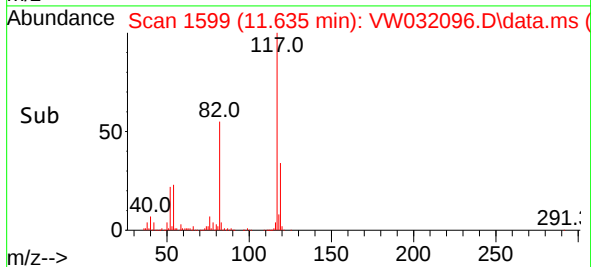
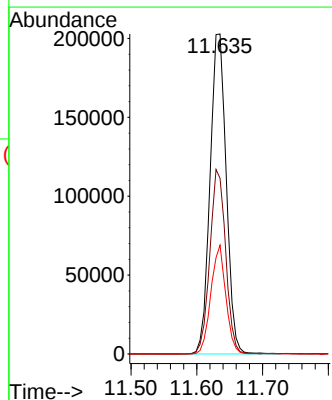
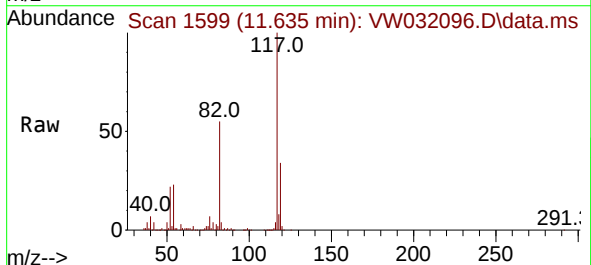
Instrument :
MSVOA_W
ClientSampleId :
10P-W

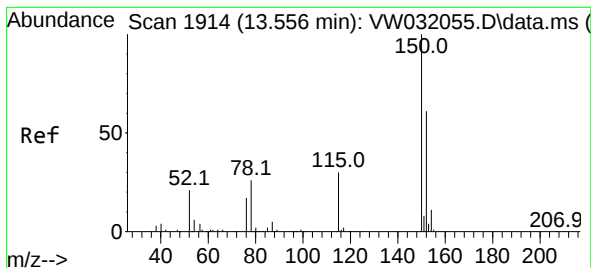
Tgt Ion: 95 Resp: 127022
Ion Ratio Lower Upper
95 100
174 67.9 0.0 129.0
176 67.1 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032096.D
Acq: 14 Aug 2025 16:10

Tgt Ion: 117 Resp: 347999
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 34.0 24.2 36.4

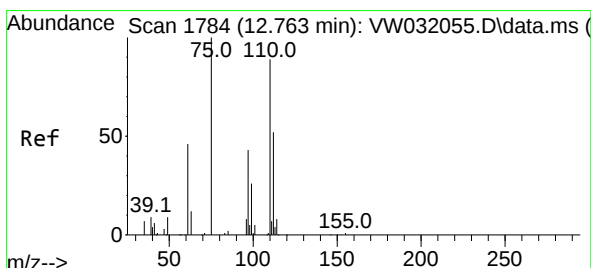
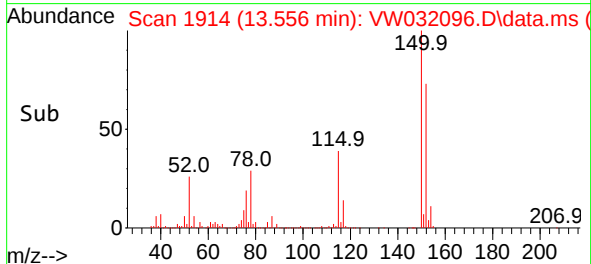
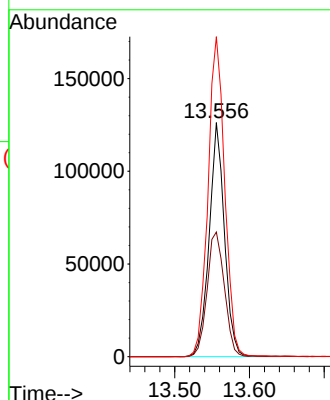
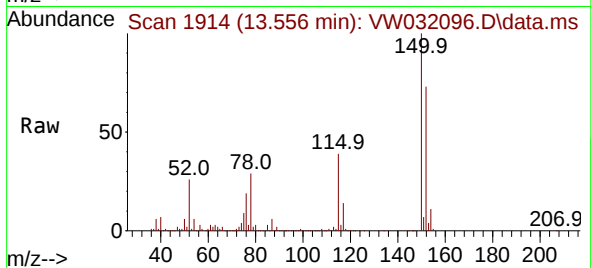




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032096.D
 Acq: 14 Aug 2025 16:10

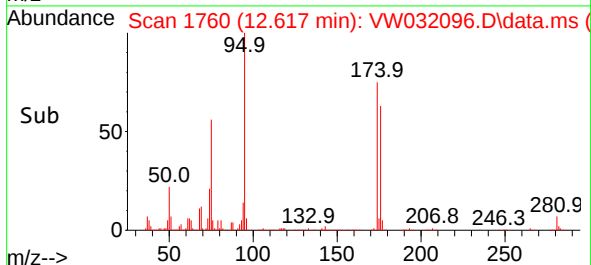
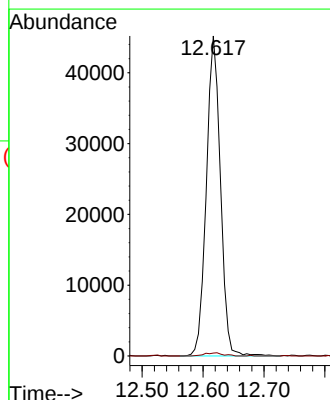
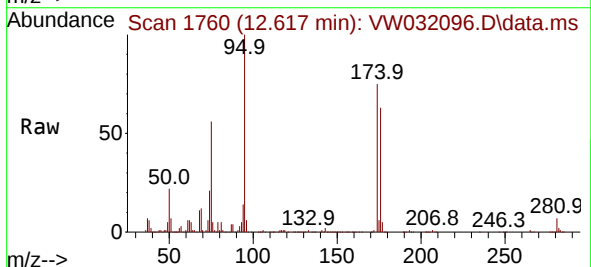
Instrument :
 MSVOA_W
 ClientSampleId :
 10P-W

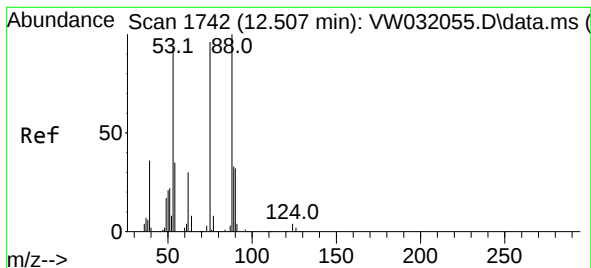
Tgt Ion:152 Resp: 179419
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.6 97.8
 150 149.2 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 29.823 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032096.D
 Acq: 14 Aug 2025 16:10

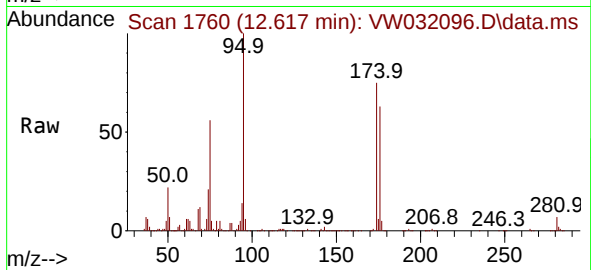
Tgt Ion: 75 Resp: 72622
 Ion Ratio Lower Upper
 75 100
 77 1.3 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.208 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032096.D
 Acq: 14 Aug 2025 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 10P-W



Tgt Ion: 75 Resp: 72622
 Ion Ratio Lower Upper
 75 100
 53 0.4 81.0 121.6#
 89 0.5 37.3 55.9#

