

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032084.D
 Acq On : 14 Aug 2025 11:39
 Operator : SY/MD
 Sample : Q2820-01
 Misc : 6.98g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-S

Quant Time: Aug 18 03:49:22 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)

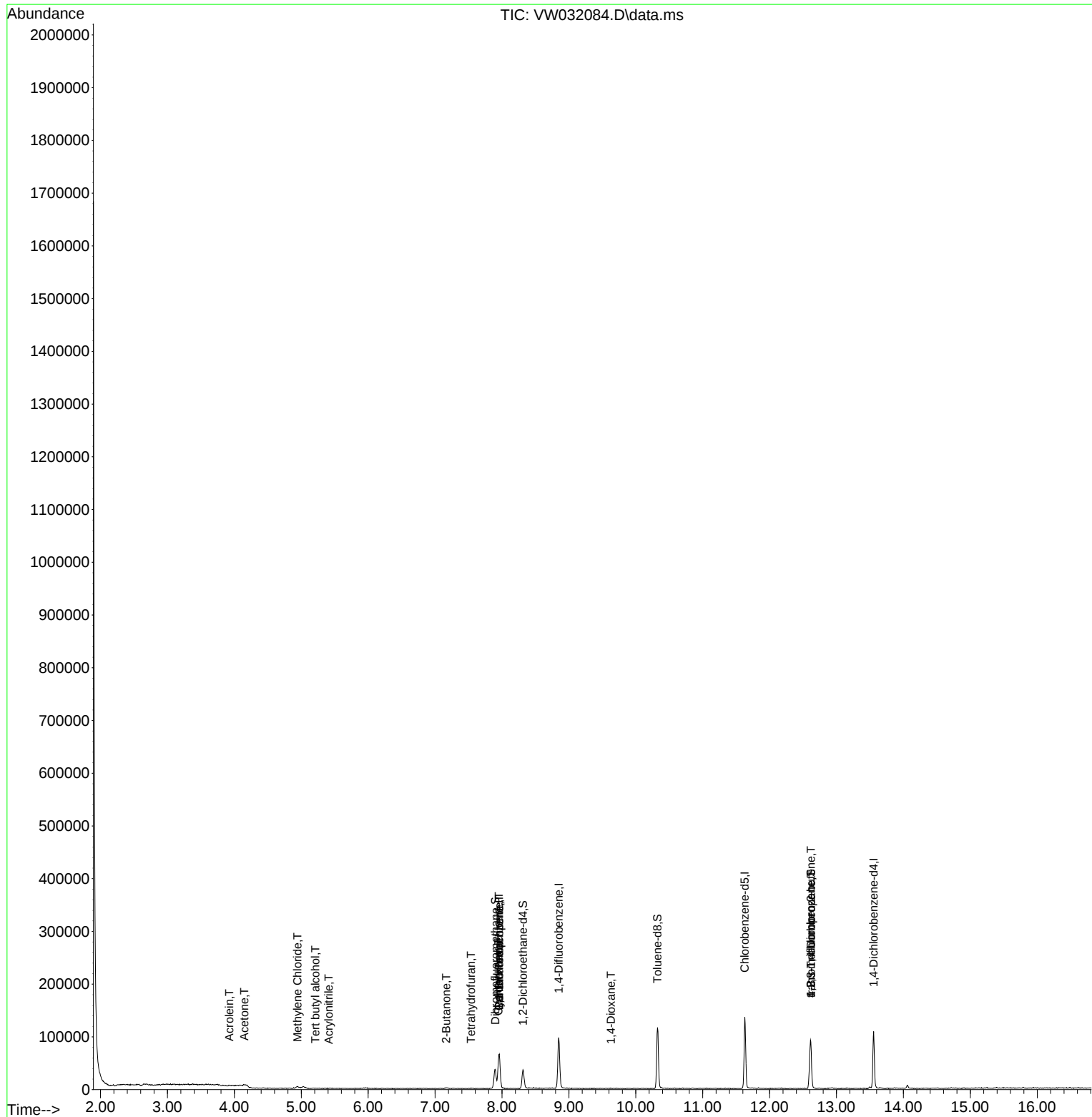
Internal Standards						
1) Pentafluorobenzene	7.959	168	45251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	78268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	70501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	25417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	29806	45.543	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	91.080%		
35) Dibromofluoromethane	7.898	113	26022	51.463	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	102.920%		
50) Toluene-d8	10.325	98	77311	41.338	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	82.680%		
62) 4-Bromofluorobenzene	12.617	95	24185	35.091	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	70.180%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.210	59	183	4.318	ug/l #	29
13) Acrolein	3.923	56	171	2.532	ug/l	97
15) Acrylonitrile	5.411	53	347	2.105	ug/l #	49
16) Acetone	4.149	43	3919	25.864	ug/l	96
20) Methylene Chloride	4.941	84	2339	3.339	ug/l #	77
25) 2-Butanone	7.167	43	282	1.309	ug/l #	57
29) Tetrahydrofuran	7.538	42	145	1.021	ug/l #	54
31) Cyclohexane	7.947	56	1340	1.437	ug/l #	53
36) 1,1-Dichloropropene	7.959	75	4512	6.330	ug/l #	50
38) Carbon Tetrachloride	7.953	117	5072	7.373	ug/l #	21
49) 1,4-Dioxane	9.630	88	79	17.686	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	14224	41.233	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	14224	106.748	ug/l #	9

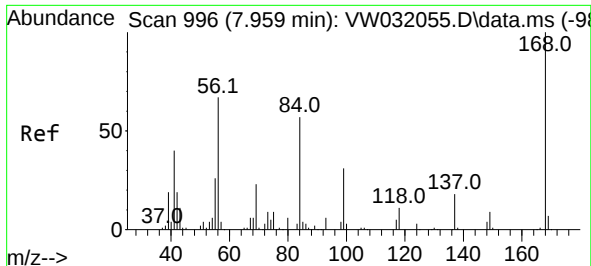
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 03:49:22 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

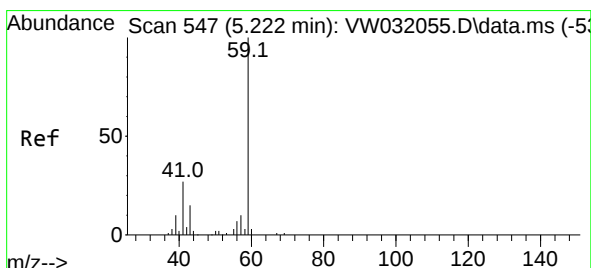
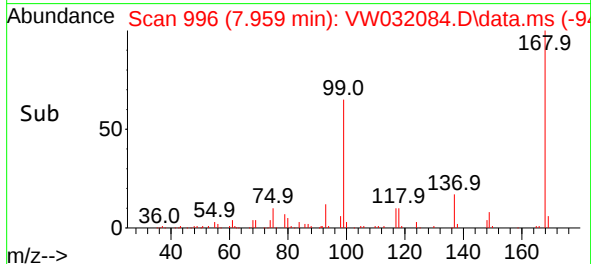
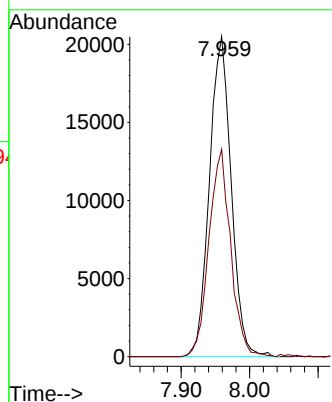
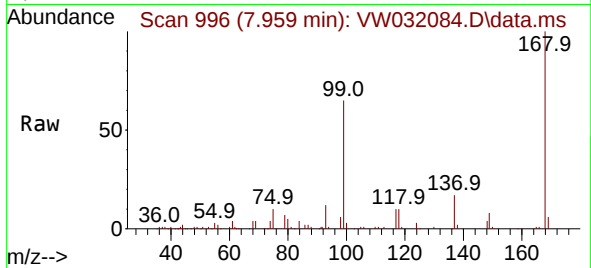




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

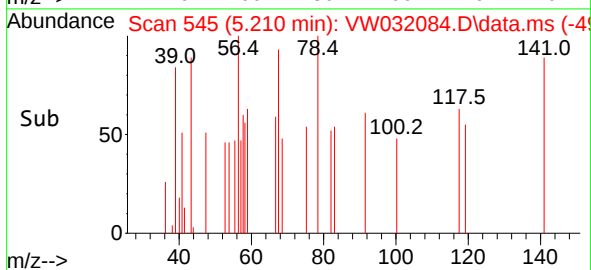
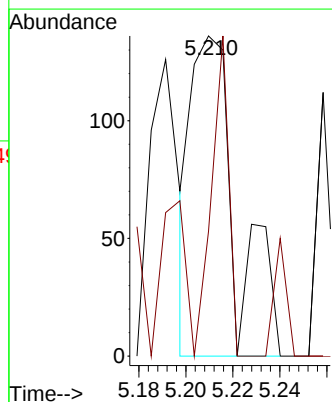
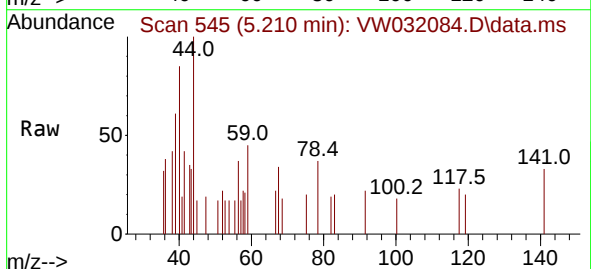
Instrument :
MSVOA_W
ClientSampleId :
82H-S

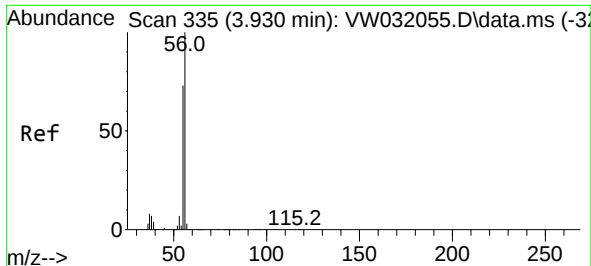
Tgt Ion:168 Resp: 45251
Ion Ratio Lower Upper
168 100
99 64.6 56.0 84.0



#11
Tert butyl alcohol
Concen: 4.318 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 37.7 8.7 13.1#

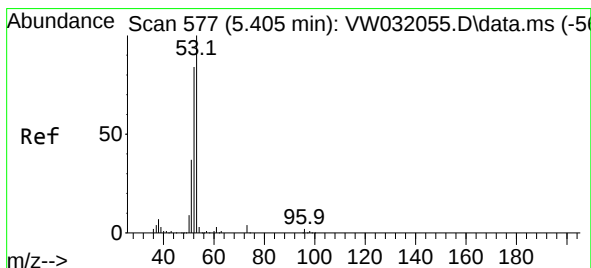
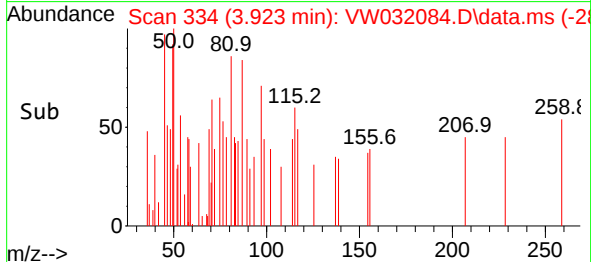
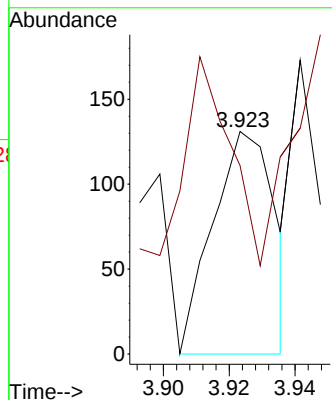
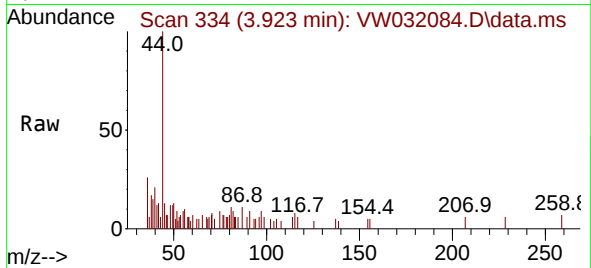




#13
Acrolein
Concen: 2.532 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

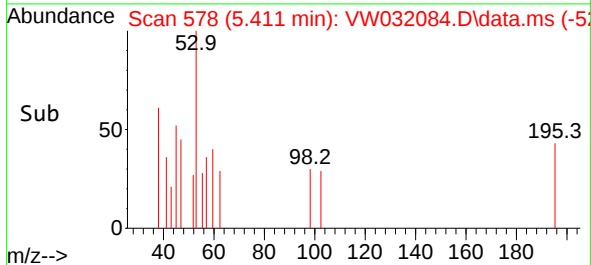
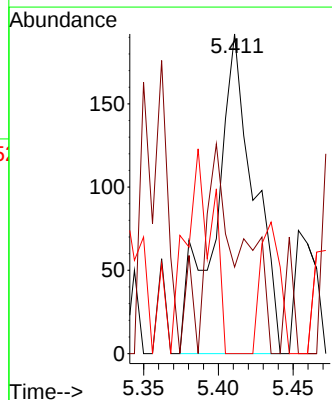
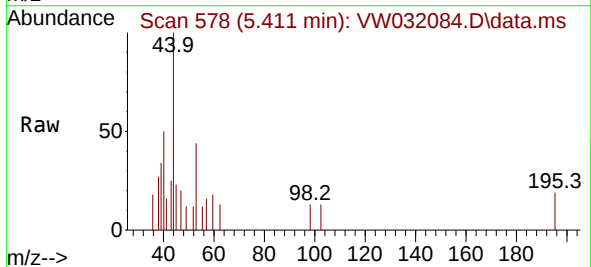
Instrument :
MSVOA_W
ClientSampleId :
82H-S

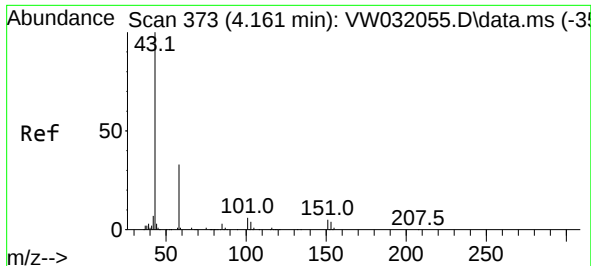
Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 66.7 55.4 83.2



#15
Acrylonitrile
Concen: 2.105 ug/l
RT: 5.411 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

Tgt Ion: 53 Resp: 347
Ion Ratio Lower Upper
53 100
52 41.5 66.1 99.1#
51 0.0 29.2 43.8#

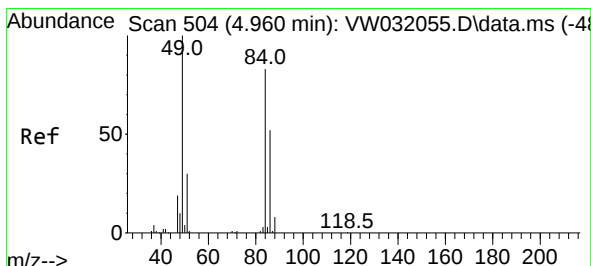
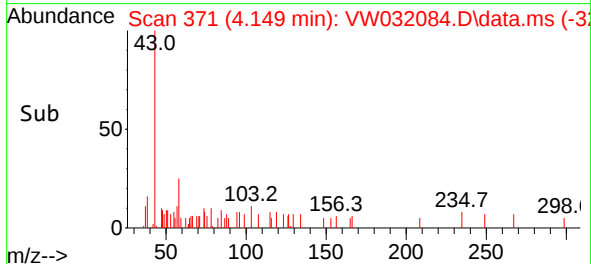
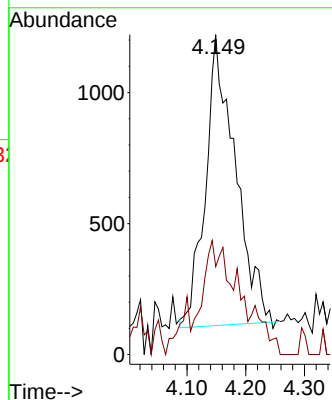
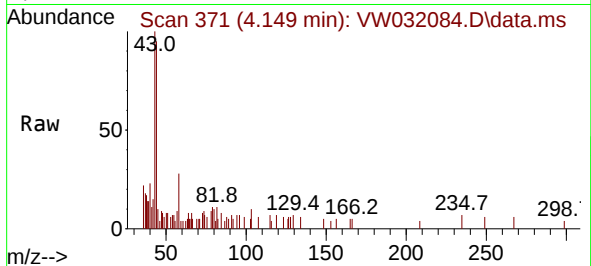




#16
 Acetone
 Concen: 25.864 ug/l
 RT: 4.149 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: VW032084.D
 Acq: 14 Aug 2025 11:39

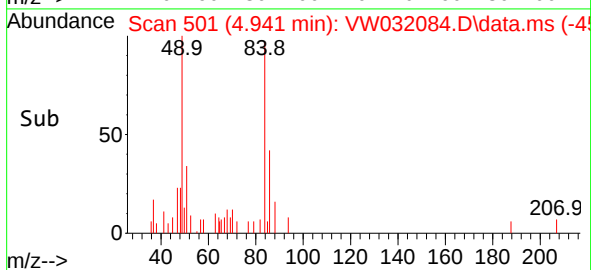
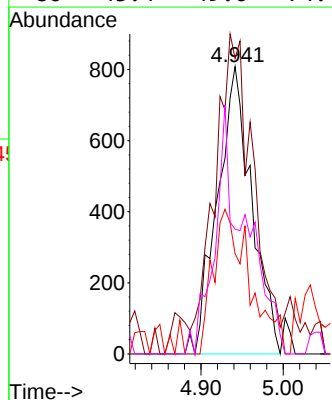
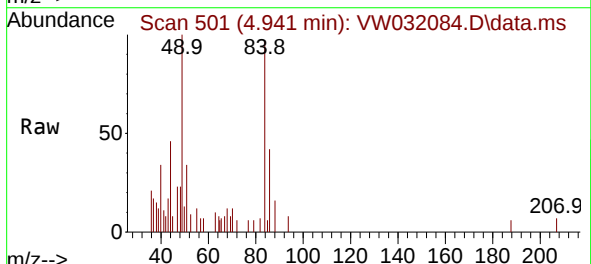
Instrument :
 MSVOA_W
 ClientSampleId :
 82H-S

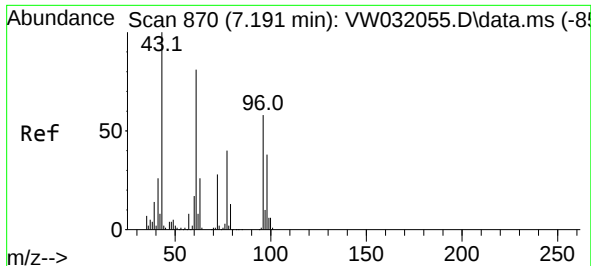
Tgt Ion: 43 Resp: 3919
 Ion Ratio Lower Upper
 43 100
 58 30.7 26.6 39.8



#20
 Methylene Chloride
 Concen: 3.339 ug/l
 RT: 4.941 min Scan# 501
 Delta R.T. -0.018 min
 Lab File: VW032084.D
 Acq: 14 Aug 2025 11:39

Tgt Ion: 84 Resp: 2339
 Ion Ratio Lower Upper
 84 100
 49 93.6 95.9 143.9#
 51 23.1 28.6 43.0#
 86 43.4 49.6 74.4#

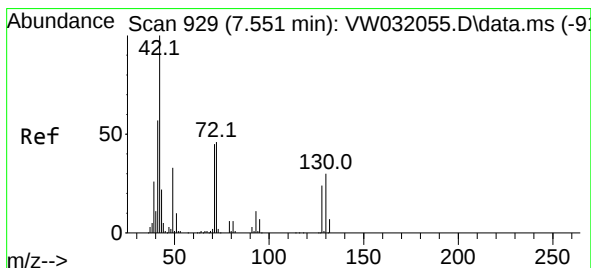
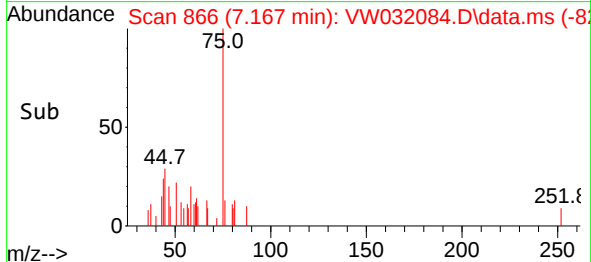
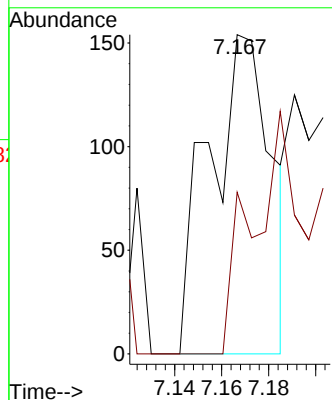
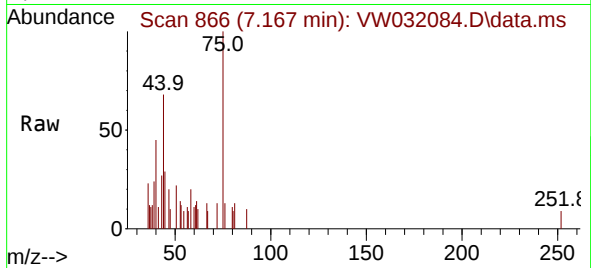




#25
2-Butanone
Concen: 1.309 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.025 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

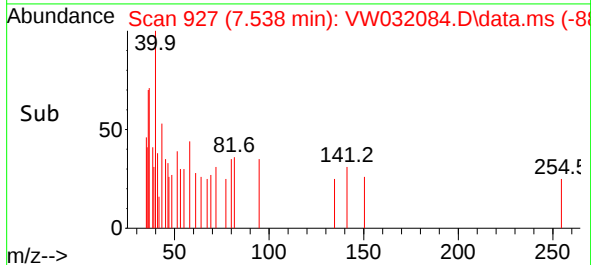
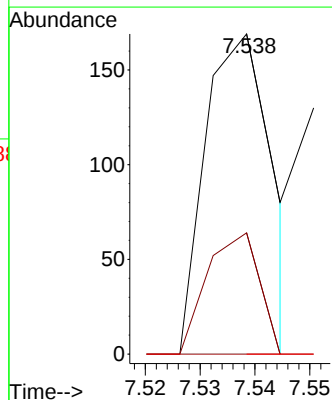
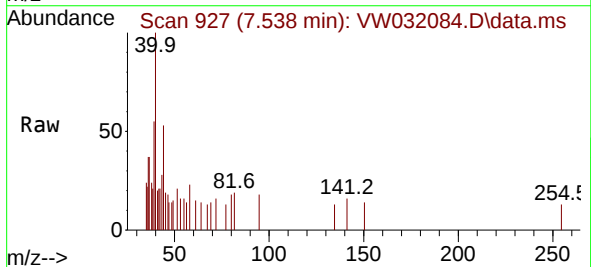
Instrument :
MSVOA_W
ClientSampleId :
82H-S

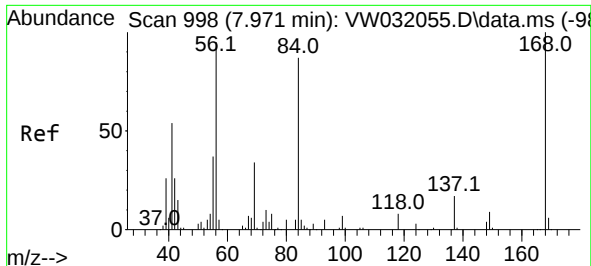
Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
72 50.6 22.3 33.5#



#29
Tetrahydrofuran
Concen: 1.021 ug/l
RT: 7.538 min Scan# 927
Delta R.T. -0.012 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

Tgt Ion: 42 Resp: 145
Ion Ratio Lower Upper
42 100
72 29.0 36.6 55.0#
71 0.0 34.7 52.1#

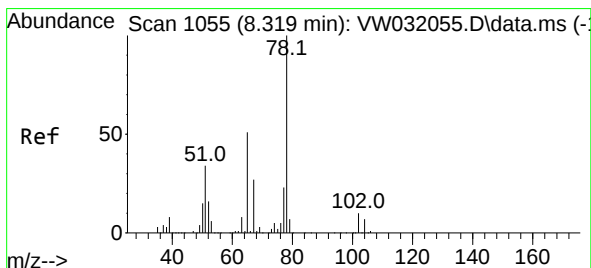
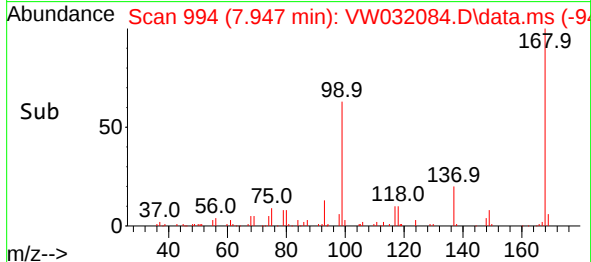
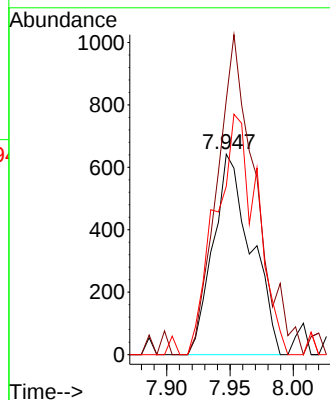
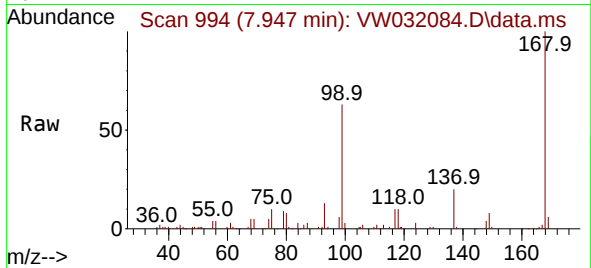




#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.947 min Scan# 994
Delta R.T. -0.025 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

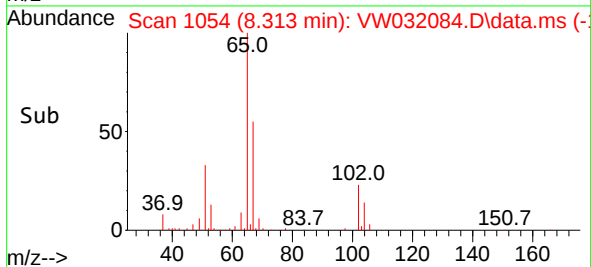
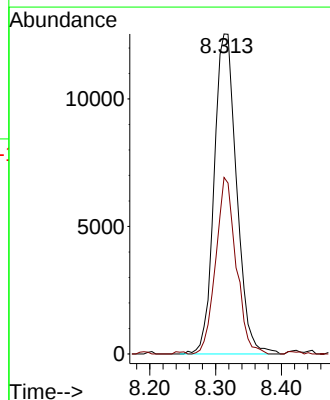
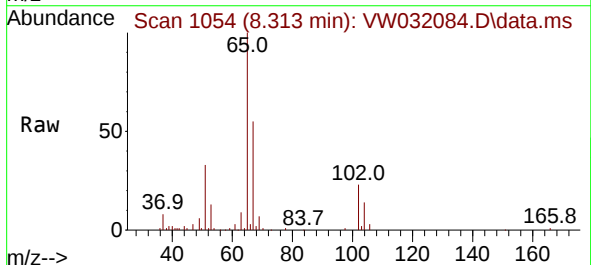
Instrument :
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82H-S

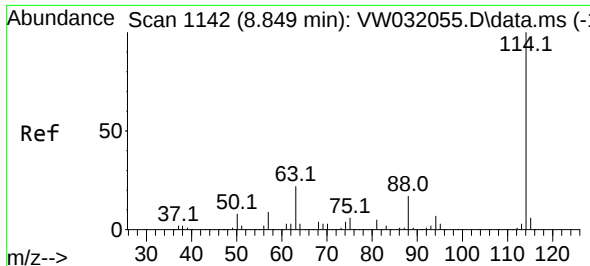
Tgt Ion: 56 Resp: 1340
Ion Ratio Lower Upper
56 100
69 127.1 28.6 42.8#
84 95.3 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 45.543 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

Tgt Ion: 65 Resp: 29806
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032084.D

Acq: 14 Aug 2025 11:39

Instrument :

MSVOA_W

ClientSampleId :

82H-S

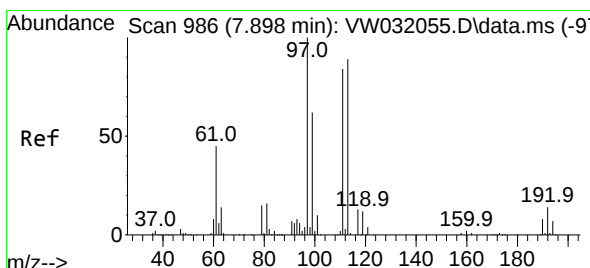
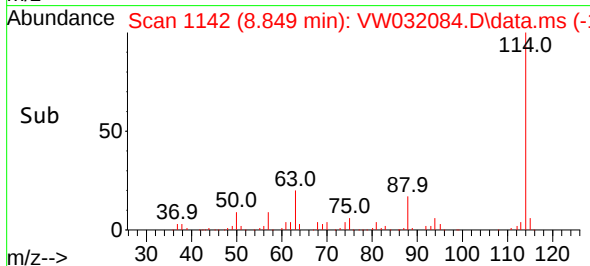
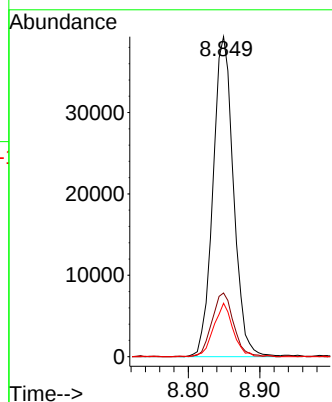
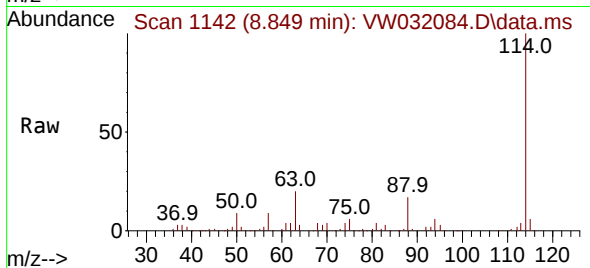
Tgt Ion:114 Resp: 78268

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.0

88 16.7 0.0 33.8



#35

Dibromofluoromethane

Concen: 51.463 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032084.D

Acq: 14 Aug 2025 11:39

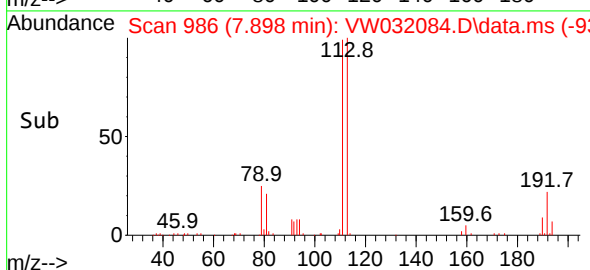
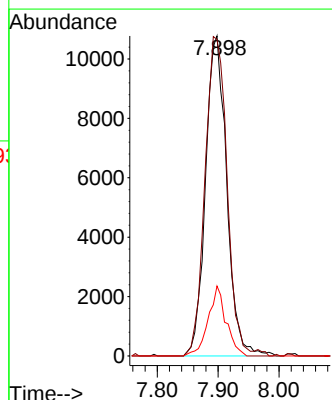
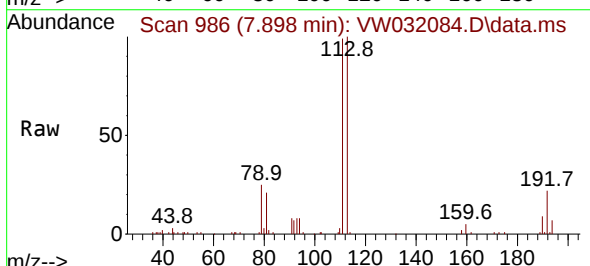
Tgt Ion:113 Resp: 26022

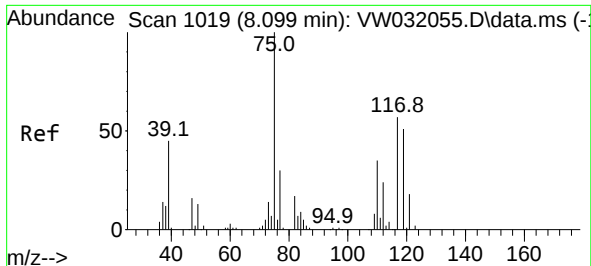
Ion Ratio Lower Upper

113 100

111 103.6 80.1 120.1

192 18.5 13.1 19.7





#36

1,1-Dichloropropene

Concen: 6.330 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032084.D

Acq: 14 Aug 2025 11:39

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82H-S

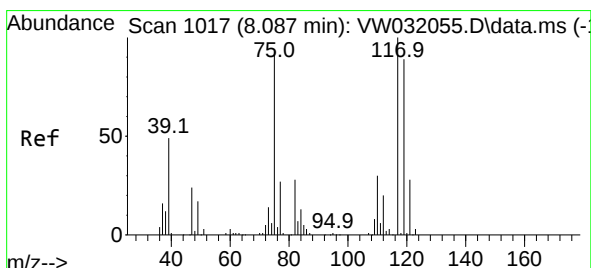
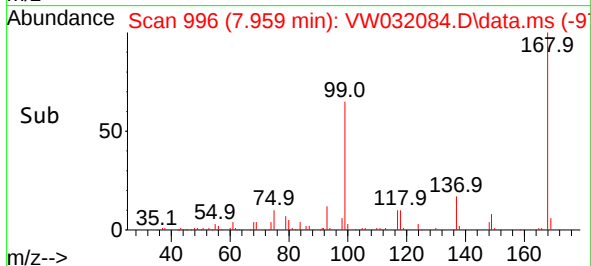
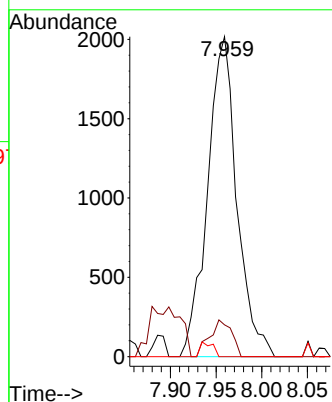
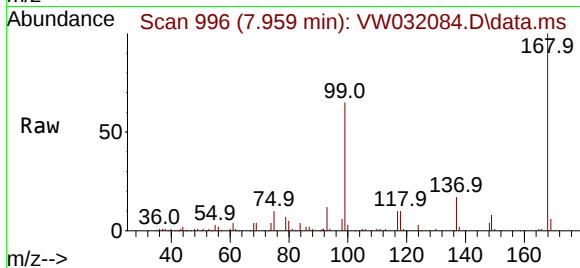
Tgt Ion: 75 Resp: 4512

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.373 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.134 min

Lab File: VW032084.D

Acq: 14 Aug 2025 11:39

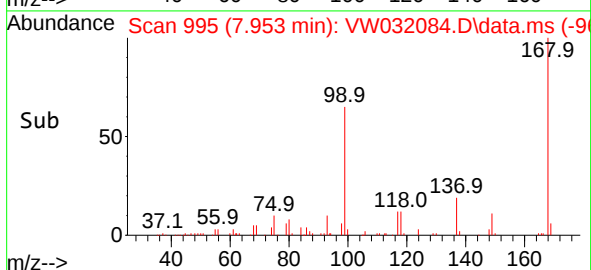
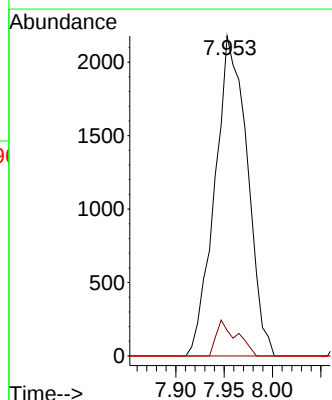
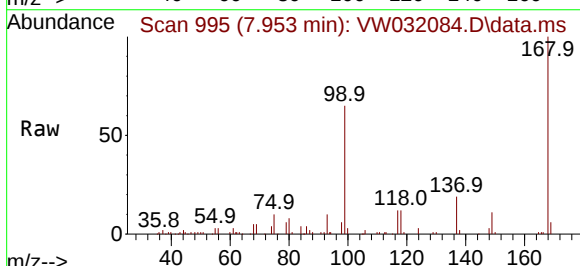
Tgt Ion: 117 Resp: 5072

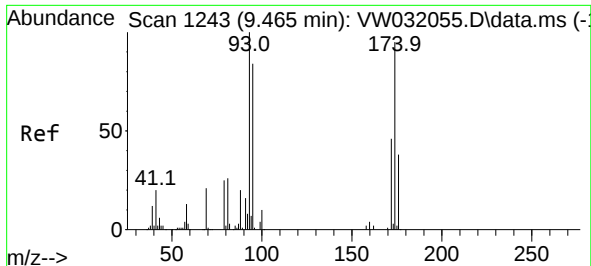
Ion Ratio Lower Upper

117 100

119 8.0 71.4 107.2#

121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 17.686 ug/l

RT: 9.630 min Scan# 1270

Delta R.T. 0.164 min

Lab File: VW032084.D

Acq: 14 Aug 2025 11:39

Instrument :

MSVOA_W

ClientSampleId :

82H-S

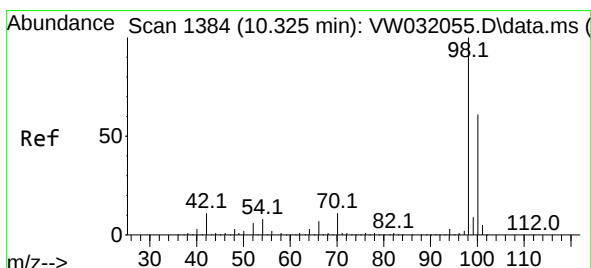
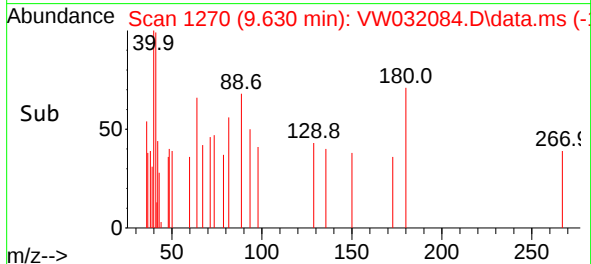
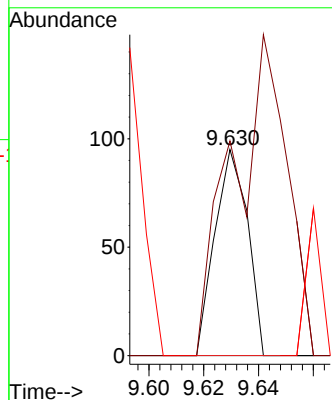
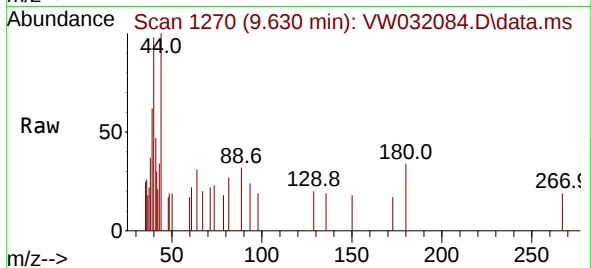
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 255.7 20.6 30.8#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 41.338 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032084.D

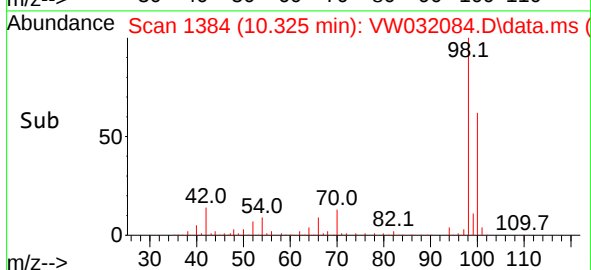
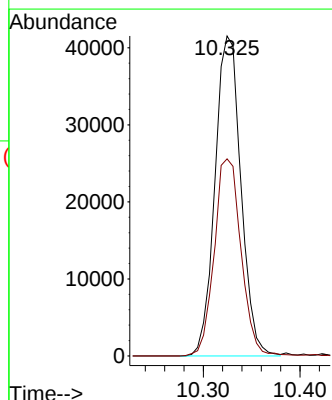
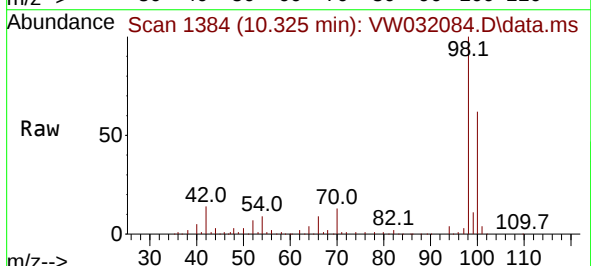
Acq: 14 Aug 2025 11:39

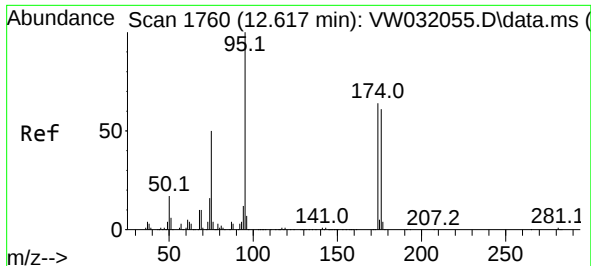
Tgt Ion: 98 Resp: 77311

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7

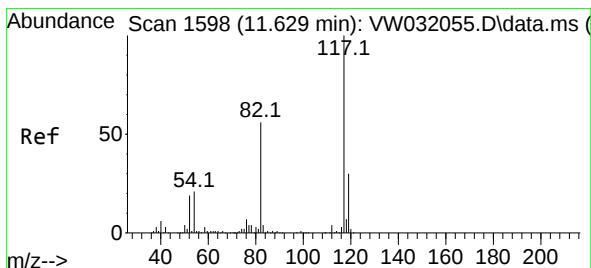
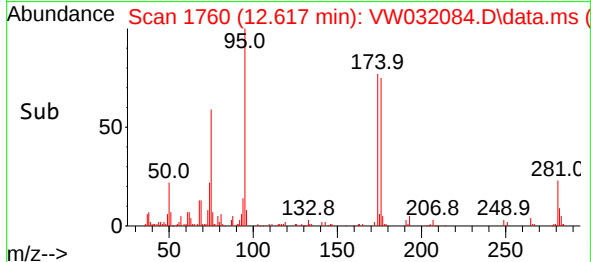
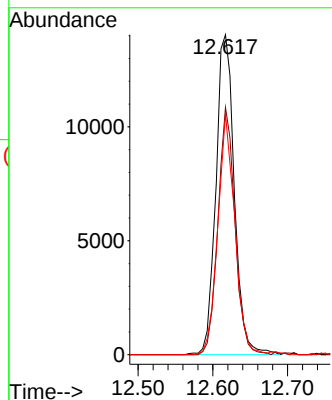
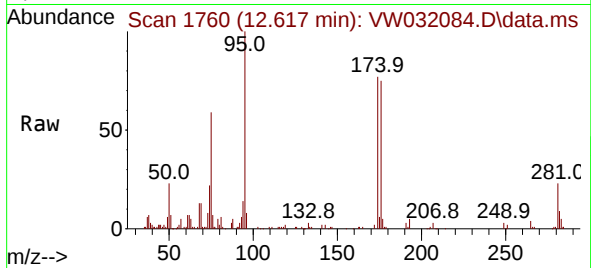




#62
4-Bromofluorobenzene
Concen: 35.091 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

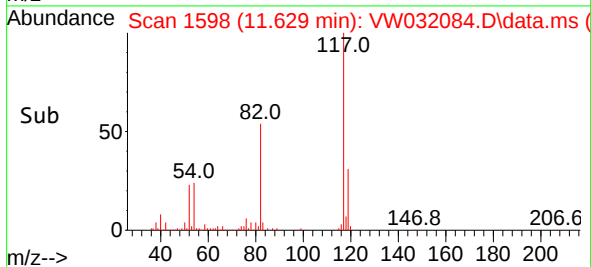
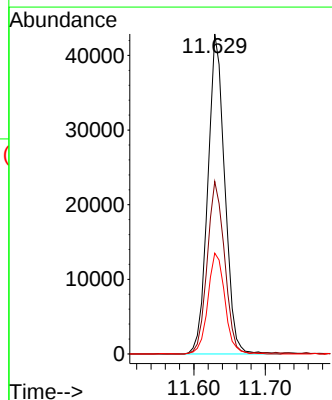
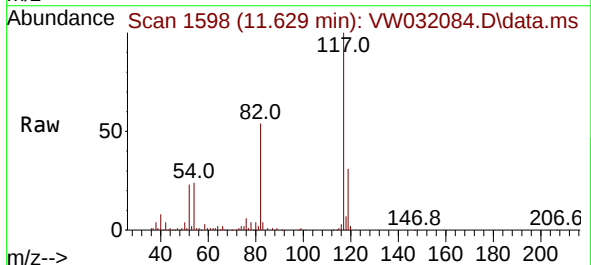
Instrument :
MSVOA_W
ClientSampleId :
82H-S

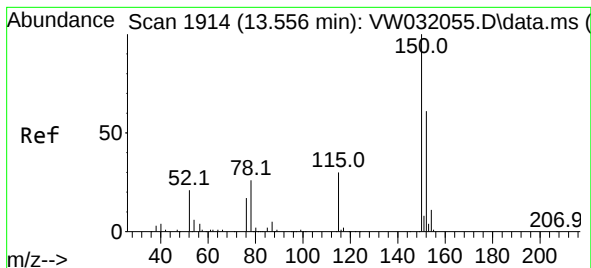
Tgt Ion: 95 Resp: 24185
Ion Ratio Lower Upper
95 100
174 71.2 0.0 129.0
176 69.6 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032084.D
Acq: 14 Aug 2025 11:39

Tgt Ion: 117 Resp: 70501
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 31.5 24.2 36.4

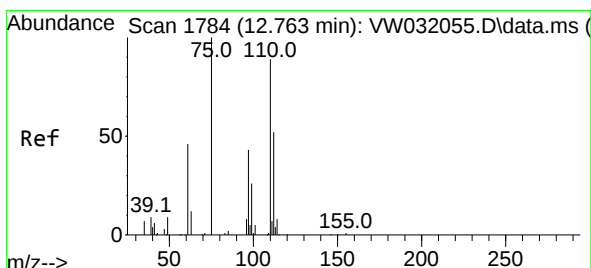
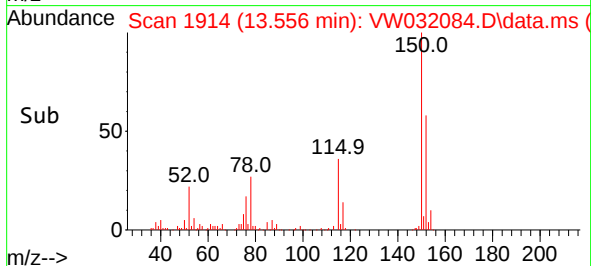
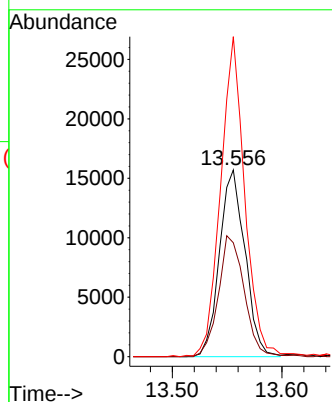
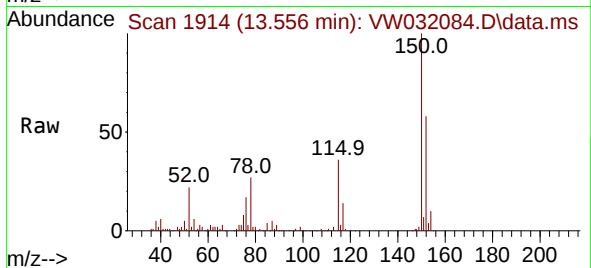




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032084.D
 Acq: 14 Aug 2025 11:39

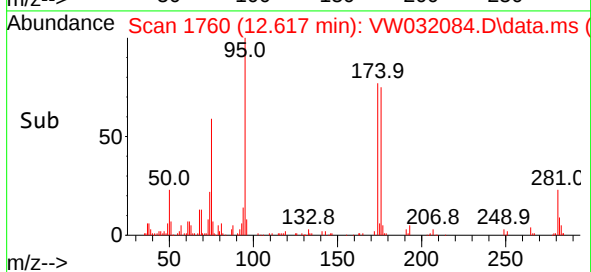
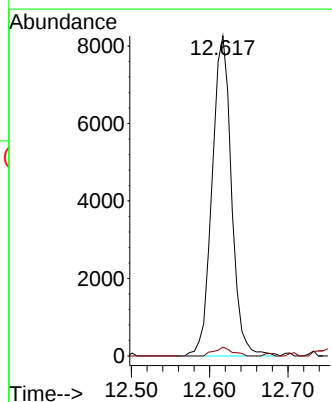
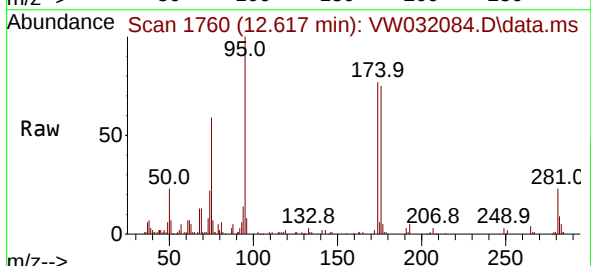
Instrument :
 MSVOA_W
 ClientSampleId :
 82H-S

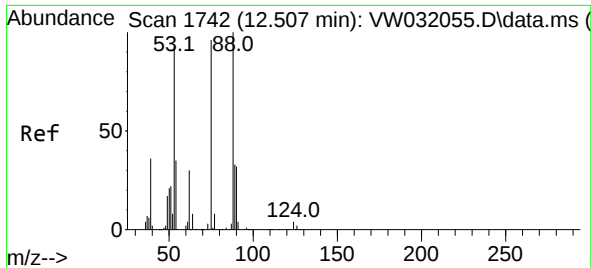
Tgt Ion:152 Resp: 25417
 Ion Ratio Lower Upper
 152 100
 115 65.5 32.6 97.8
 150 162.5 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 41.233 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032084.D
 Acq: 14 Aug 2025 11:39

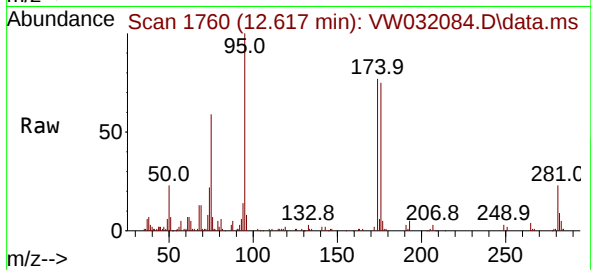
Tgt Ion: 75 Resp: 14224
 Ion Ratio Lower Upper
 75 100
 77 2.6 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.748 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032084.D
 Acq: 14 Aug 2025 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-S



Tgt Ion:	75	Resp:	14224
Ion	Ratio	Lower	Upper
75	100		
53	0.3	81.0	121.6#
89	0.0	37.3	55.9#

