

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032086.D
 Acq On : 14 Aug 2025 12:24
 Operator : SY/MD
 Sample : Q2820-03
 Misc : 7.62g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 82H-N

Quant Time: Aug 18 03:50:18 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)

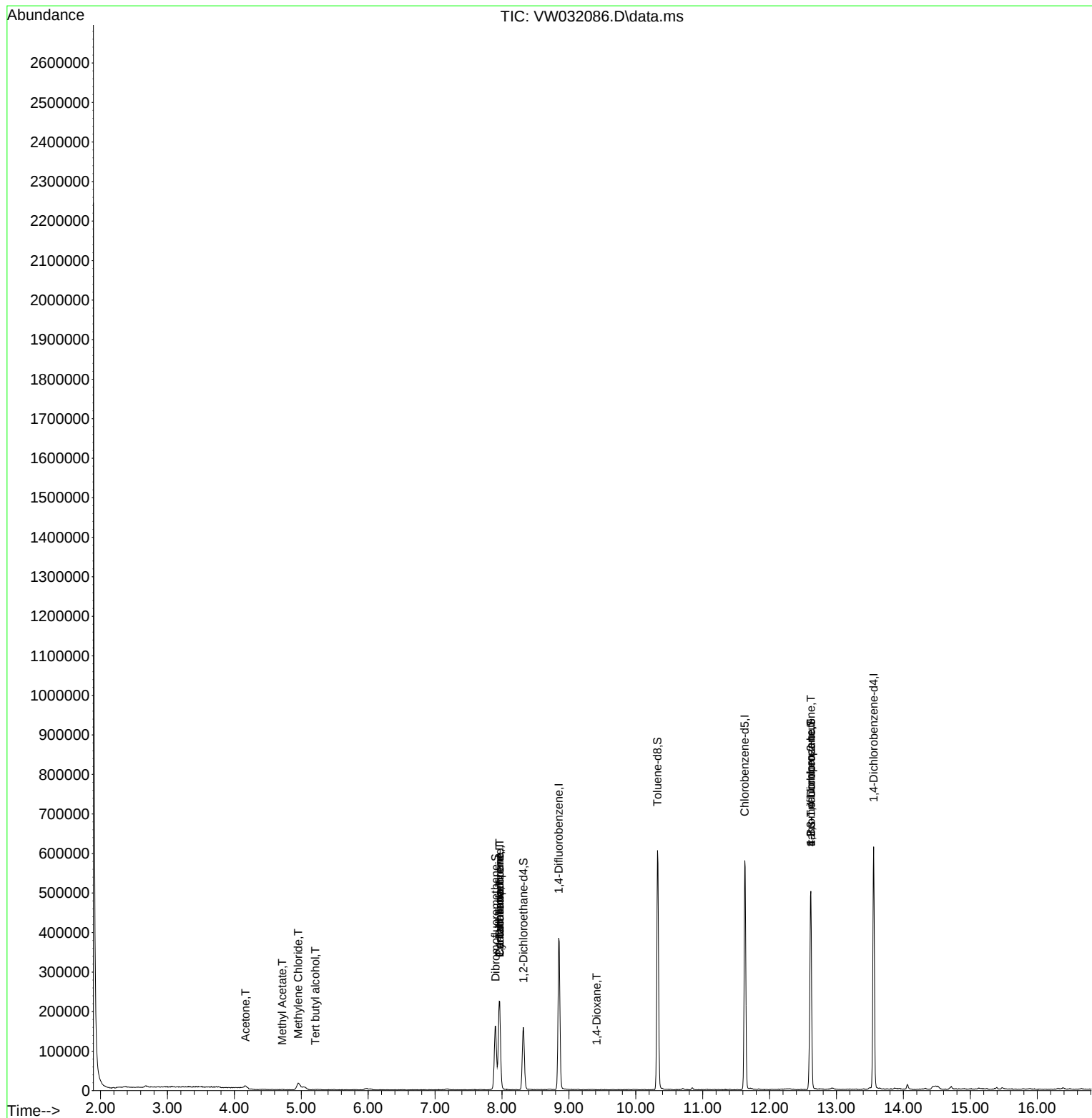
Internal Standards						
1) Pentafluorobenzene	7.965	168	157879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	311642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	306017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131250	57.481	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 114.960%			
35) Dibromofluoromethane	7.904	113	112046	55.652	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.300%			
50) Toluene-d8	10.325	98	388880	52.222	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.617	95	143127	52.156	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.320%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.210	59	398	2.692	ug/l	# 89
16) Acetone	4.167	43	8531	16.137	ug/l	# 86
18) Methyl Acetate	4.716	43	1872	1.119	ug/l	# 70
20) Methylene Chloride	4.954	84	15161	6.203	ug/l	94
31) Cyclohexane	7.965	56	4890	1.503	ug/l	# 56
36) 1,1-Dichloropropene	7.965	75	14543	5.124	ug/l	# 52
38) Carbon Tetrachloride	7.965	117	17644	6.442	ug/l	# 19
49) 1,4-Dioxane	9.416	88	19	1.068	ug/l	# 1
76) 1,2,3-Trichloropropane	12.617	75	81461	39.904	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	81461	103.307	ug/l	# 9

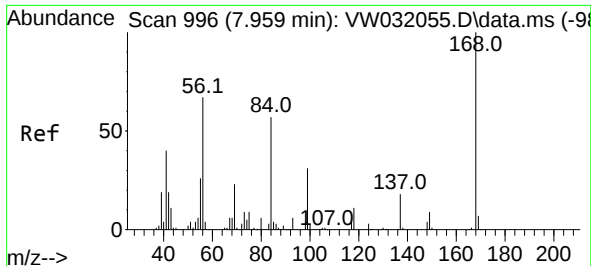
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
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ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Aug 18 03:50:18 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

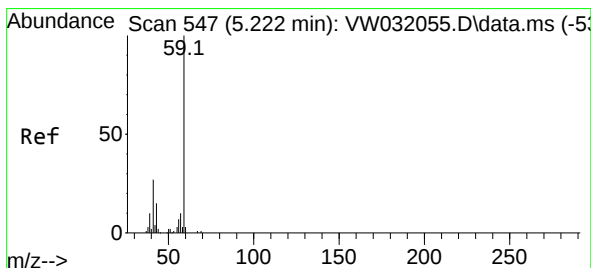
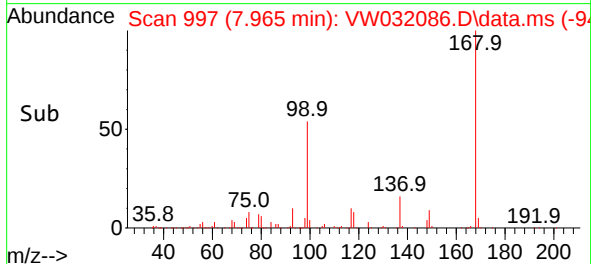
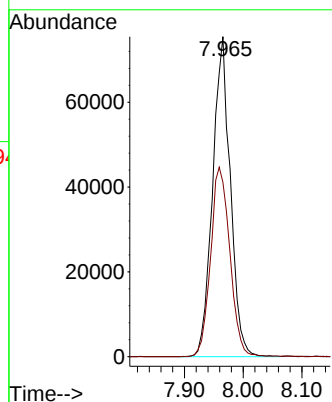
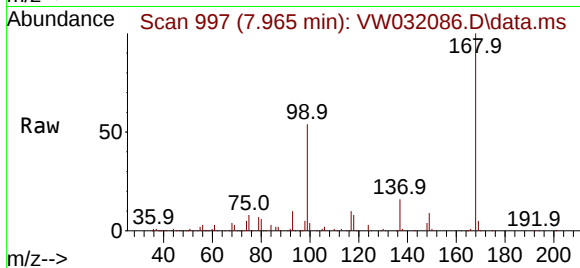




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

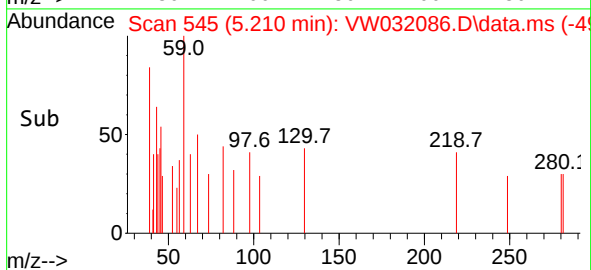
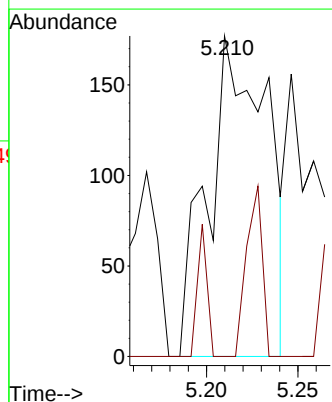
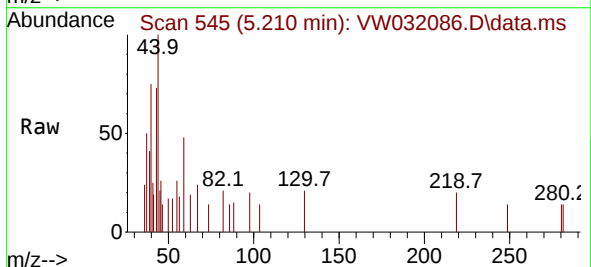
Instrument :
MSVOA_W
ClientSampleId :
82H-N

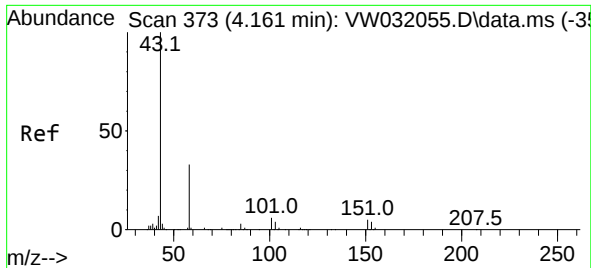
Tgt Ion:168 Resp: 157879
Ion Ratio Lower Upper
168 100
99 54.5 56.0 84.0#



#11
Tert butyl alcohol
Concen: 2.692 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 6.8 8.7 13.1#





#16

Acetone

Concen: 16.137 ug/l

RT: 4.167 min Scan# 31

Delta R.T. 0.006 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_W

ClientSampleId :

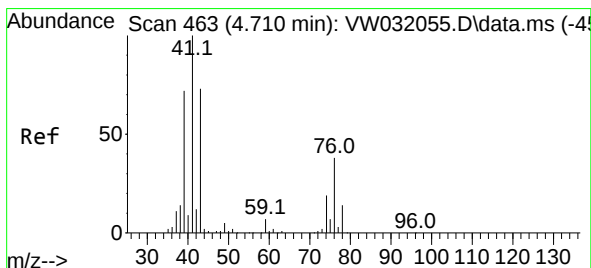
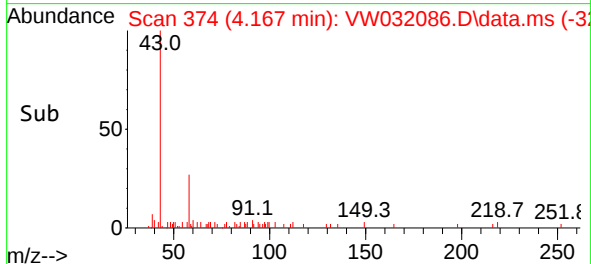
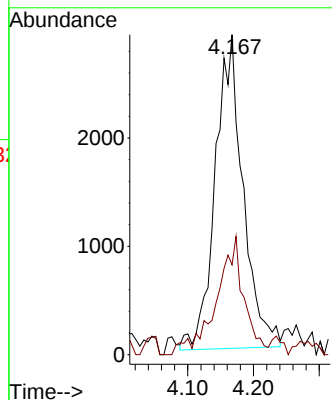
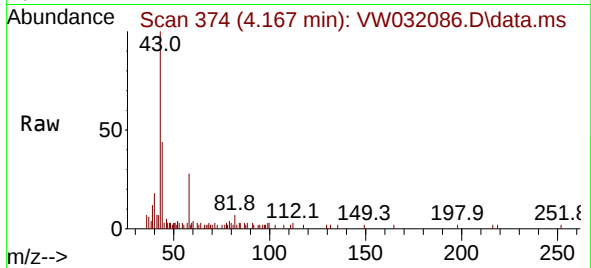
82H-N

Tgt Ion: 43 Resp: 8531

Ion Ratio Lower Upper

43 100

58 25.1 26.6 39.8#



#18

Methyl Acetate

Concen: 1.119 ug/l

RT: 4.716 min Scan# 464

Delta R.T. 0.006 min

Lab File: VW032086.D

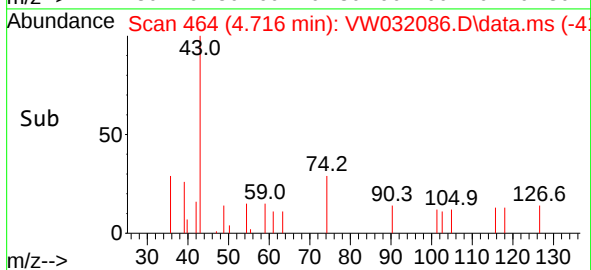
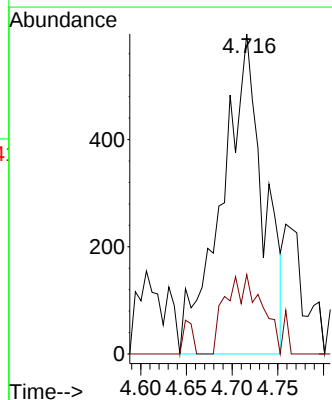
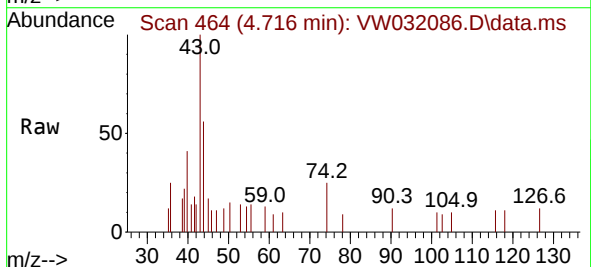
Acq: 14 Aug 2025 12:24

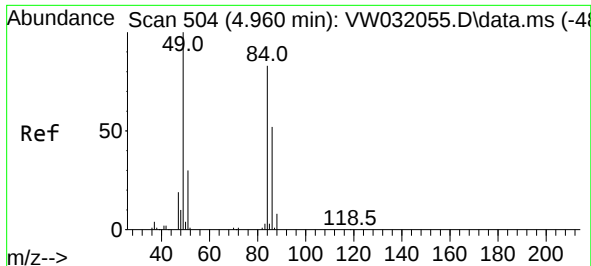
Tgt Ion: 43 Resp: 1872

Ion Ratio Lower Upper

43 100

74 10.4 20.6 31.0#

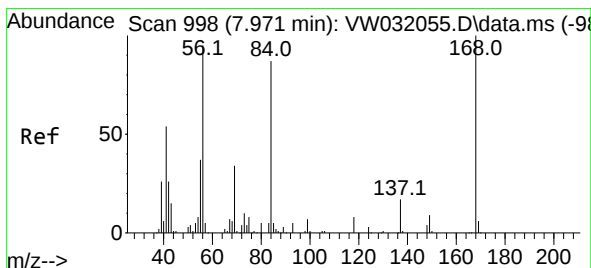
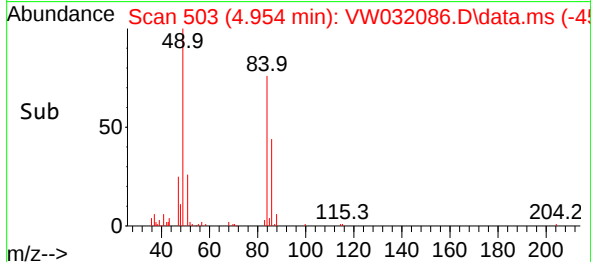
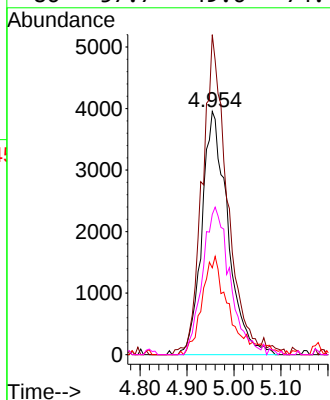
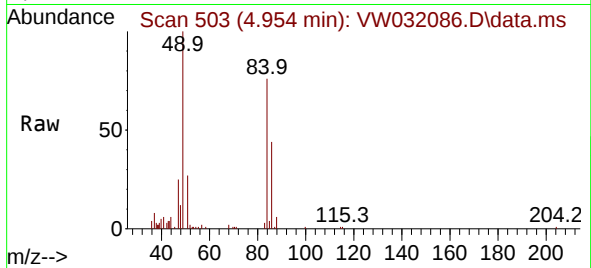




#20
Methylene Chloride
Concen: 6.203 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

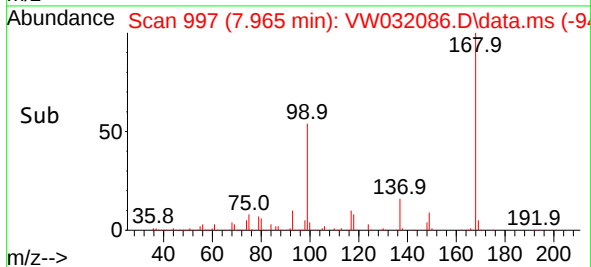
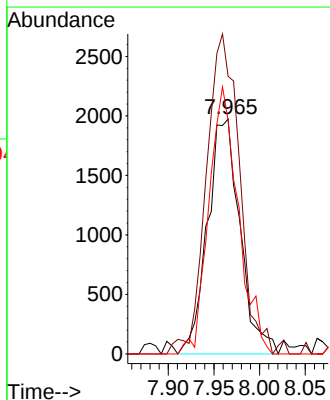
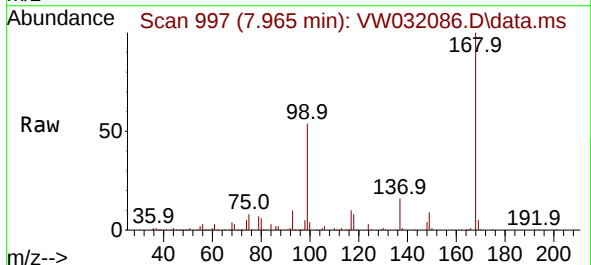
Instrument :
MSVOA_W
ClientSampleId :
82H-N

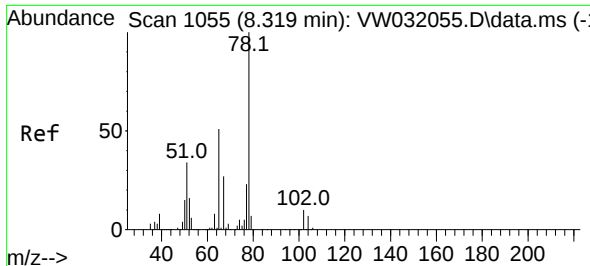
Tgt Ion:	84	Resp:	15161
Ion	Ratio	Lower	Upper
84	100		
49	129.4	95.9	143.9
51	35.7	28.6	43.0
86	57.7	49.6	74.4



#31
Cyclohexane
Concen: 1.503 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion:	56	Resp:	4890
Ion	Ratio	Lower	Upper
56	100		
69	114.7	28.6	42.8#
84	99.3	73.0	109.4

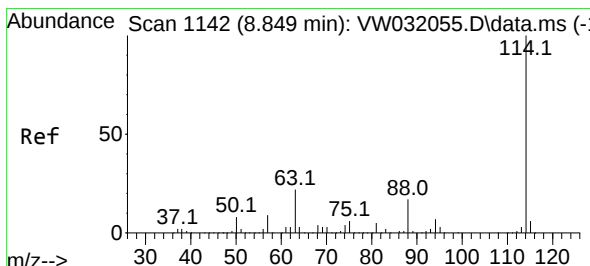
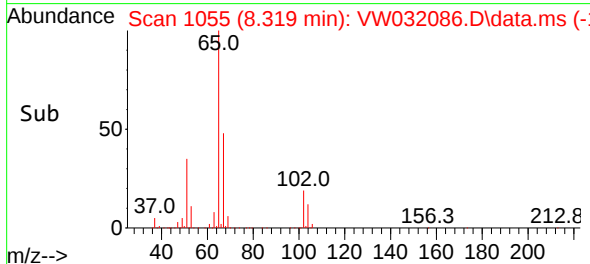
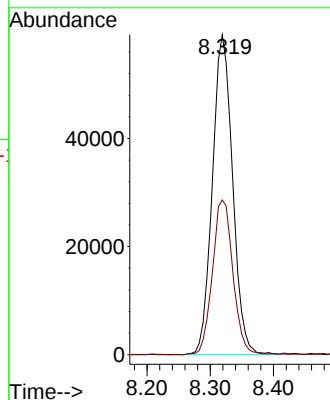
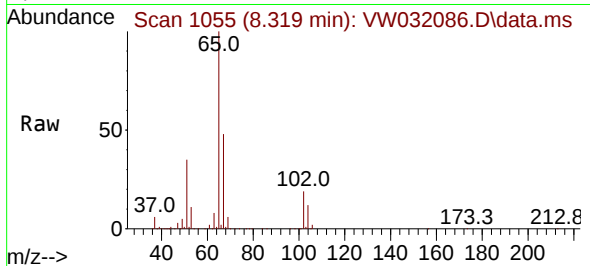




#33
 1,2-Dichloroethane-d4
 Concen: 57.481 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032086.D
 Acq: 14 Aug 2025 12:24

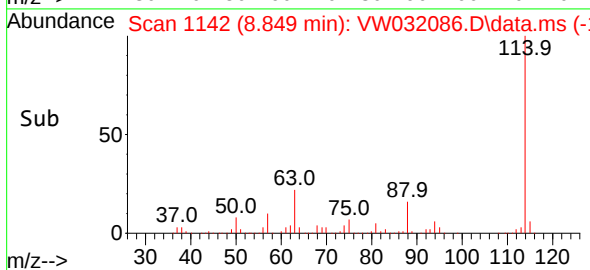
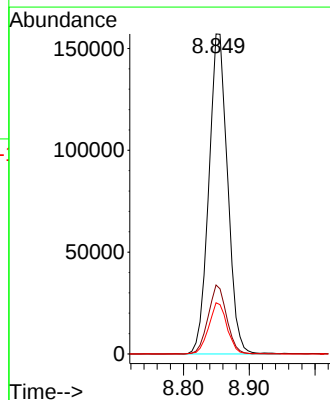
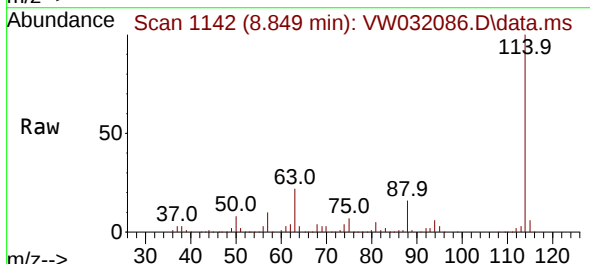
Instrument :
 MSVOA_W
 ClientSampleId :
 82H-N

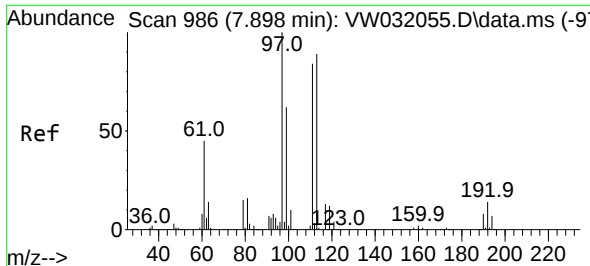
Tgt Ion: 65 Resp: 131250
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032086.D
 Acq: 14 Aug 2025 12:24

Tgt Ion: 114 Resp: 311642
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 16.0 0.0 33.8

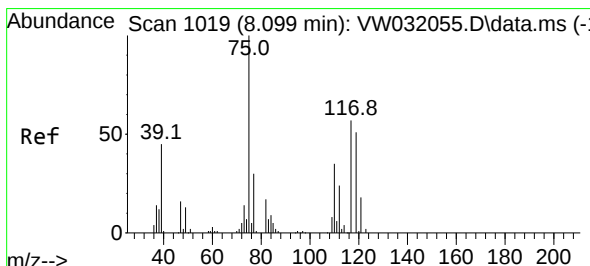
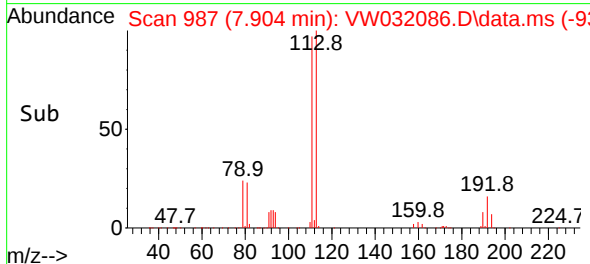
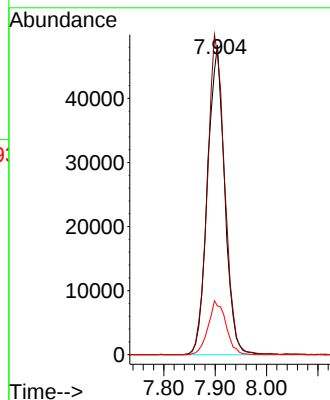
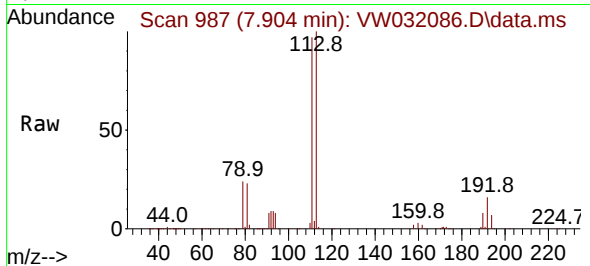




#35
Dibromofluoromethane
Concen: 55.652 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

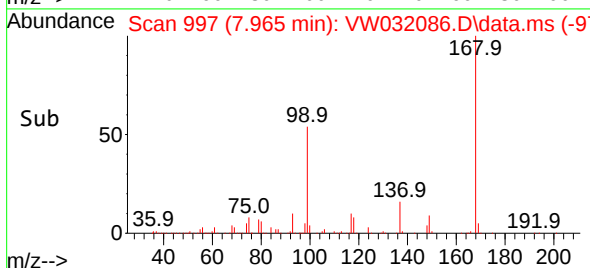
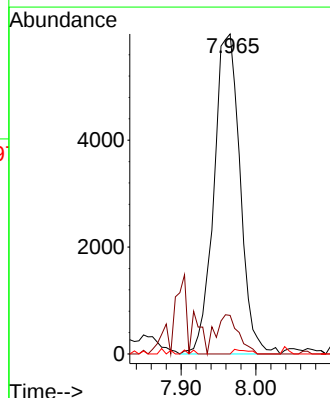
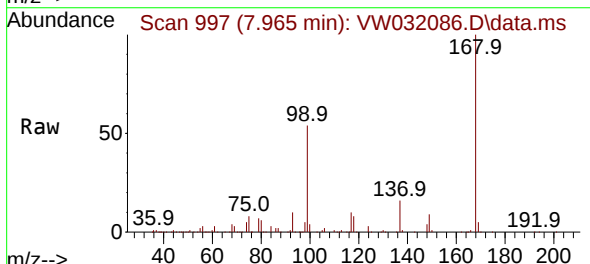
Instrument :
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ClientSampleId :
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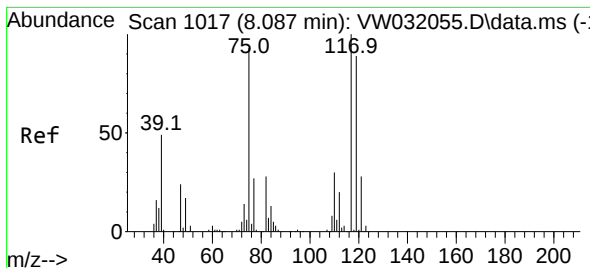
Tgt Ion:113 Resp: 112046
Ion Ratio Lower Upper
113 100
111 104.3 80.1 120.1
192 18.0 13.1 19.7



#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 75 Resp: 14543
Ion Ratio Lower Upper
75 100
110 10.6 17.4 52.2#
77 0.8 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.442 ug/l

RT: 7.965 min Scan# 91

Delta R.T. -0.122 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_W

ClientSampleId :

82H-N

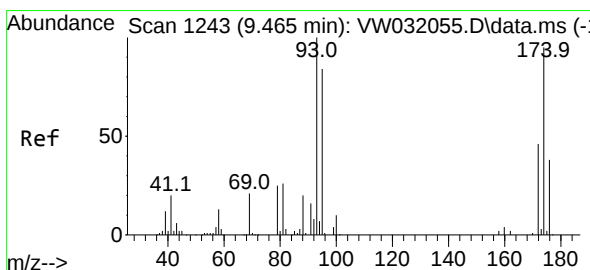
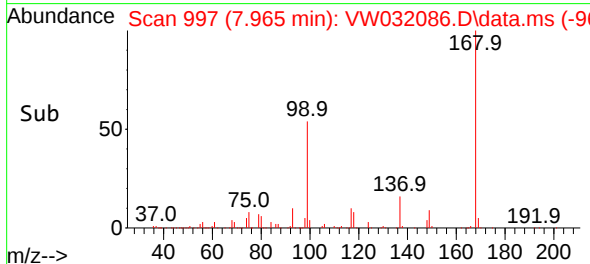
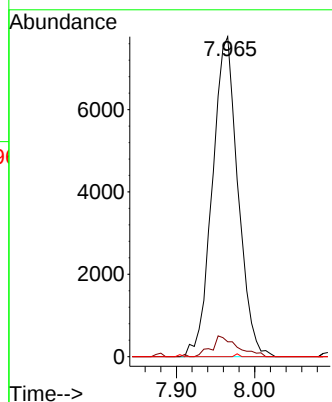
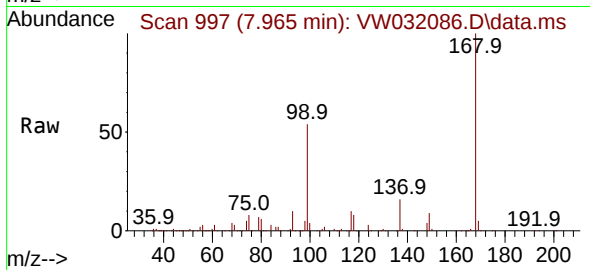
Tgt Ion:117 Resp: 17644

Ion Ratio Lower Upper

117 100

119 4.7 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 1.068 ug/l

RT: 9.416 min Scan# 1235

Delta R.T. -0.049 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

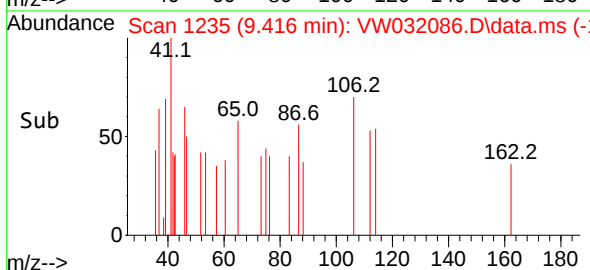
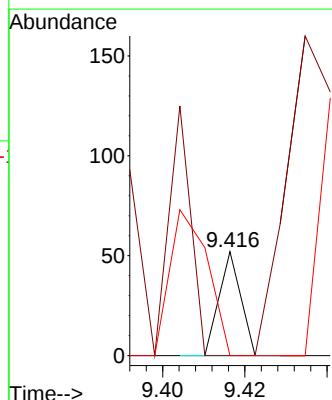
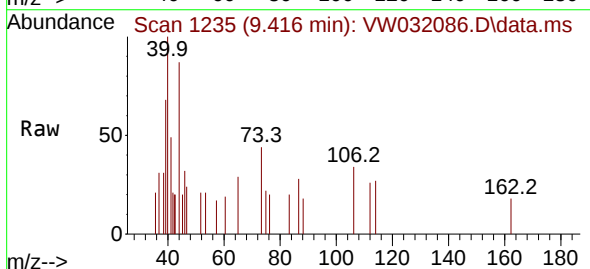
Tgt Ion: 88 Resp: 19

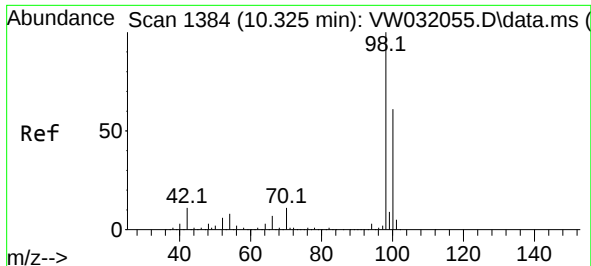
Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 242.1 60.4 90.6#

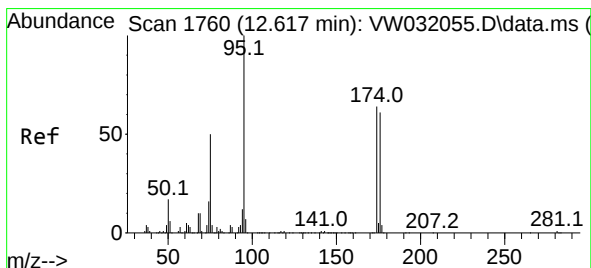
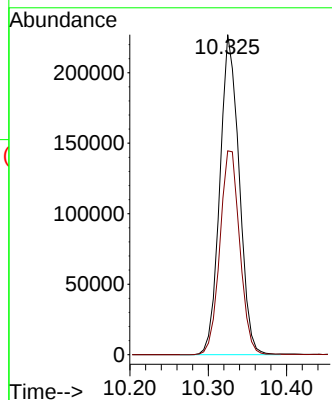
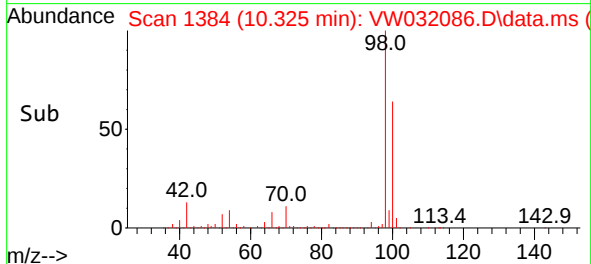
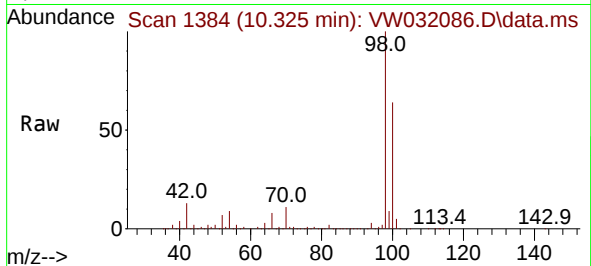




#50
Toluene-d8
Concen: 52.222 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

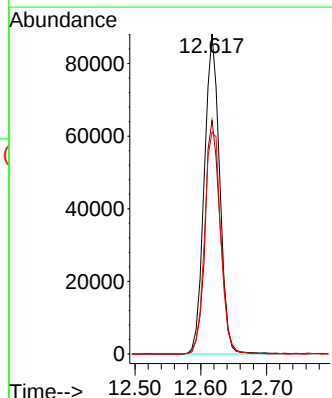
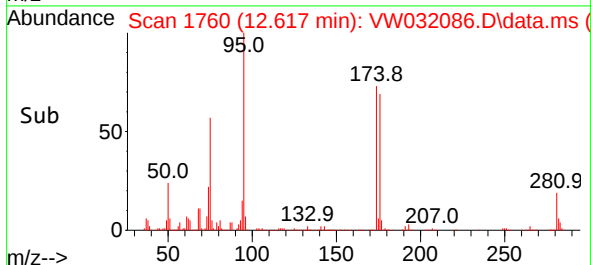
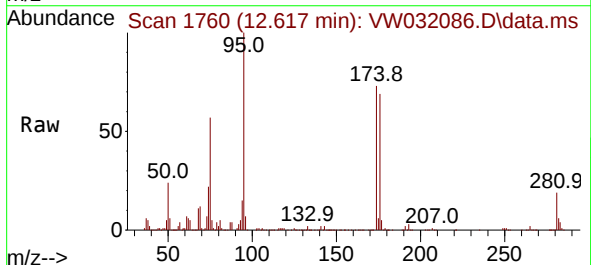
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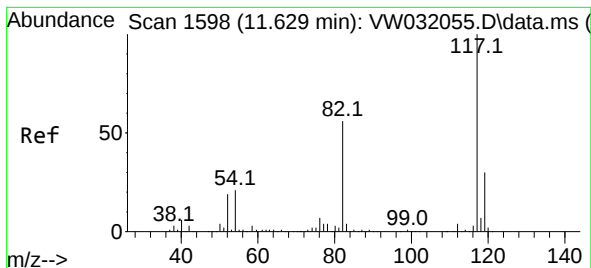
Tgt Ion: 98 Resp: 388880
Ion Ratio Lower Upper
98 100
100 65.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.156 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 95 Resp: 143127
Ion Ratio Lower Upper
95 100
174 72.5 0.0 129.0
176 73.1 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032086.D

Acq: 14 Aug 2025 12:24

Instrument :

MSVOA_W

ClientSampleId :

82H-N

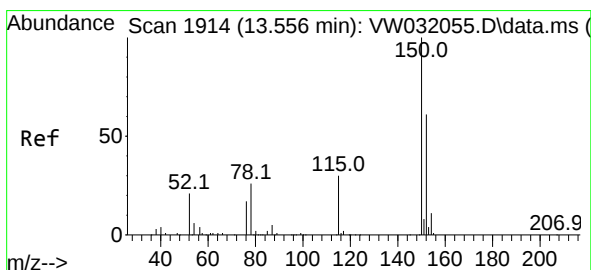
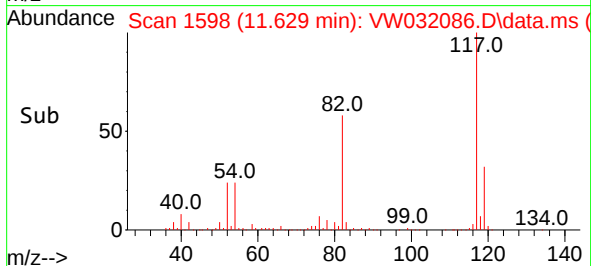
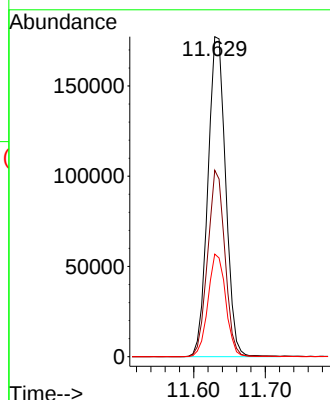
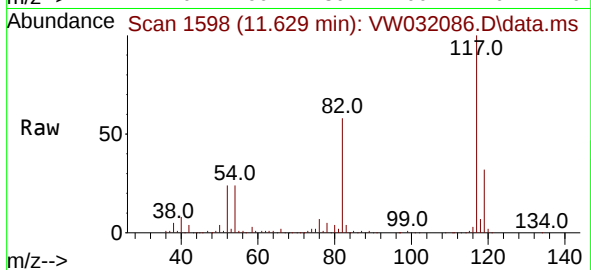
Tgt Ion:117 Resp: 306017

Ion Ratio Lower Upper

117 100

82 58.3 45.0 67.4

119 32.1 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: VW032086.D

Acq: 14 Aug 2025 12:24

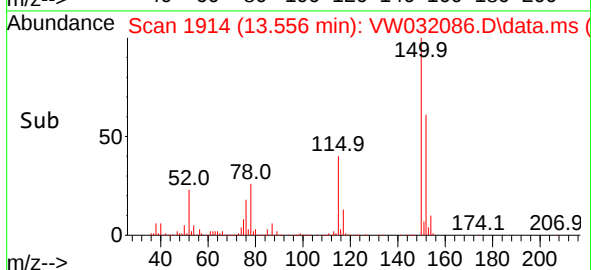
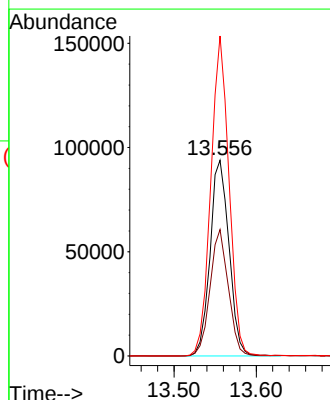
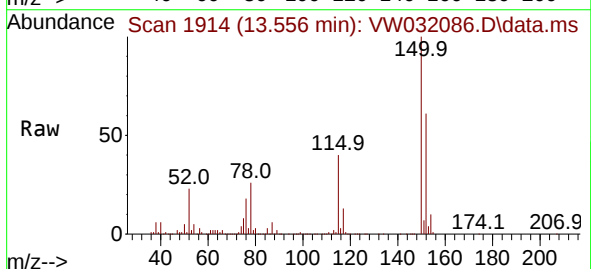
Tgt Ion:152 Resp: 150411

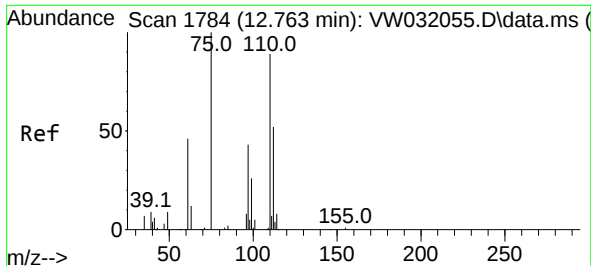
Ion Ratio Lower Upper

152 100

115 62.3 32.6 97.8

150 156.7 0.0 359.4

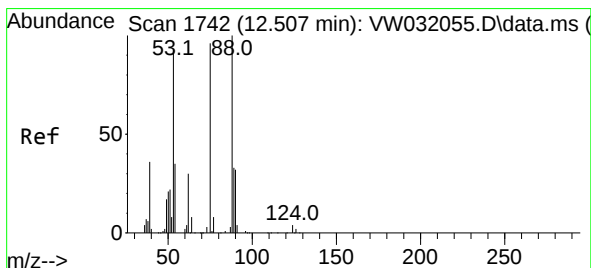
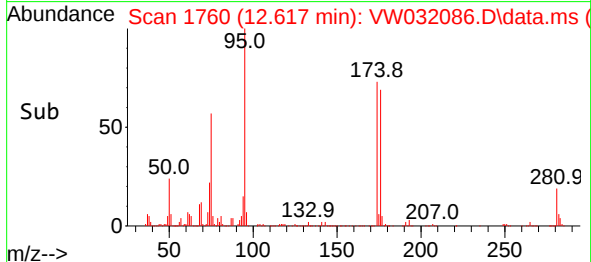
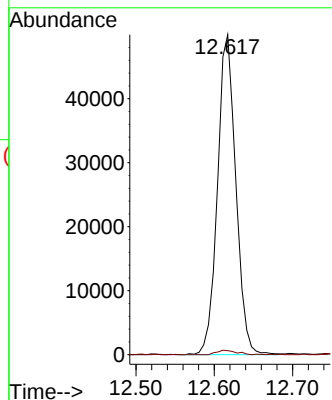
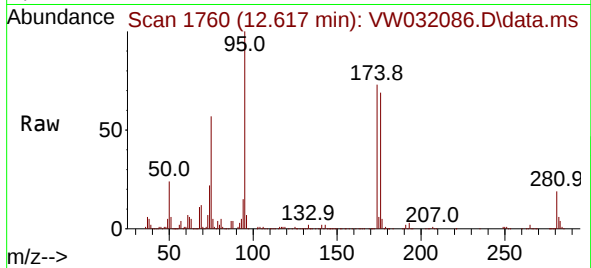




#76
1,2,3-Trichloropropane
Concen: 39.904 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Instrument :
MSVOA_W
ClientSampleId :
82H-N

Tgt Ion: 75 Resp: 81461
Ion Ratio Lower Upper
75 100
77 1.5 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.307 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032086.D
Acq: 14 Aug 2025 12:24

Tgt Ion: 75 Resp: 81461
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.0 37.3 55.9#

