

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086161.D
 Acq On : 28 Mar 2025 19:30
 Operator : JC\MD
 Sample : Q1666-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-WTS-05

Quant Time: Mar 28 23:40:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

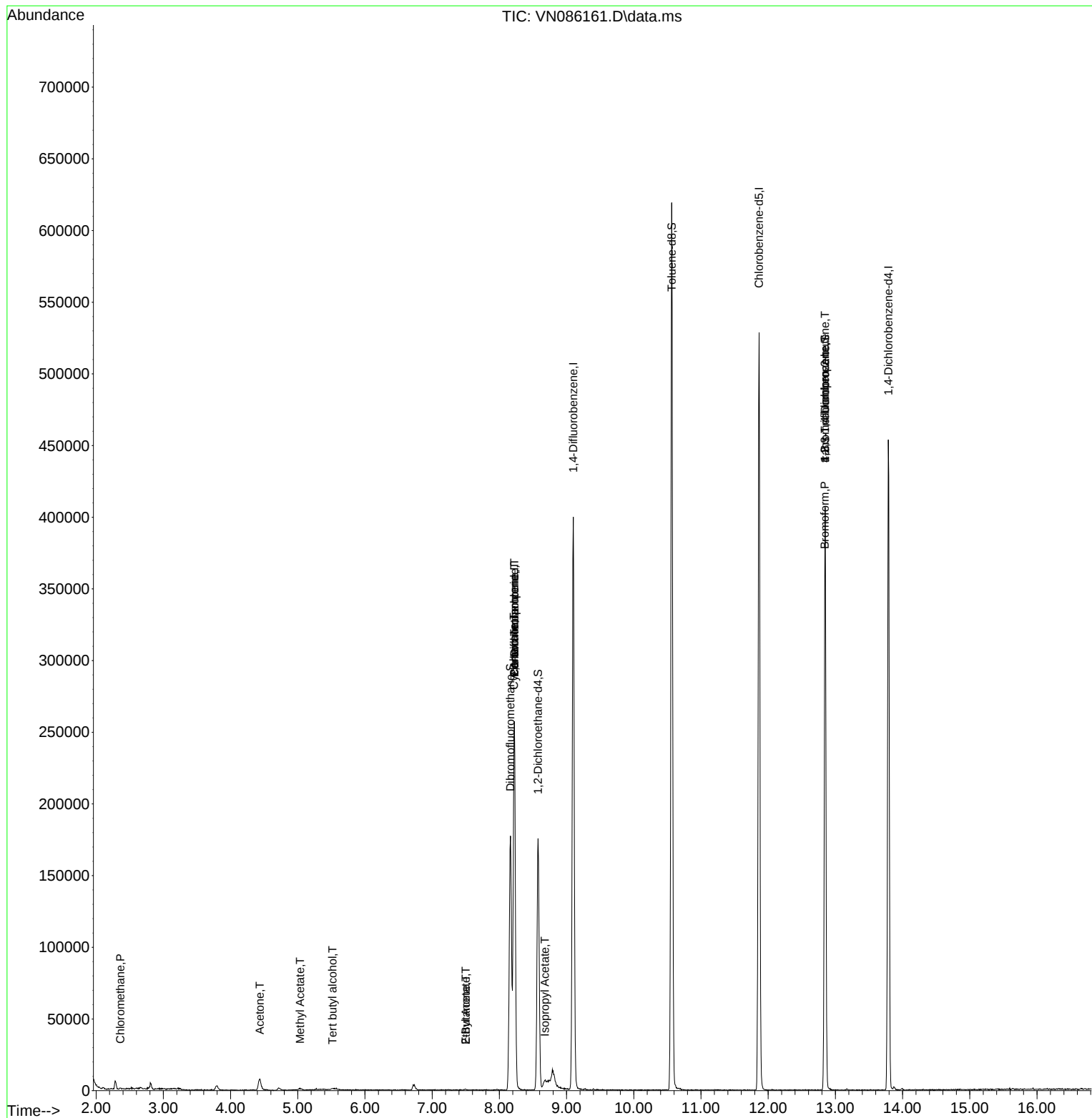
Internal Standards						
1) Pentafluorobenzene	8.224	168	186773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146315	57.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.420%
35) Dibromofluoromethane	8.165	113	129148	53.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.060%
50) Toluene-d8	10.565	98	428933	48.533	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.847	95	141125	44.775	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	758	0.349	ug/l #	42
11) Tert butyl alcohol	5.518	59	1076	2.972	ug/l #	73
16) Acetone	4.436	43	14952	19.136	ug/l #	88
18) Methyl Acetate	5.036	43	2280	1.179	ug/l #	86
25) 2-Butanone	7.500	43	834	0.740	ug/l #	40
31) Cyclohexane	8.218	56	3913	1.228	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14753	4.601	ug/l #	50
37) Ethyl Acetate	7.500	43	834	0.308	ug/l #	64
38) Carbon Tetrachloride	8.224	117	19690	4.670	ug/l #	16
43) Isopropyl Acetate	8.677	43	5643	0.963	ug/l #	50
71) Bromoform	12.841	173	1139	0.507	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	69316	23.340	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69316	61.706	ug/l #	16

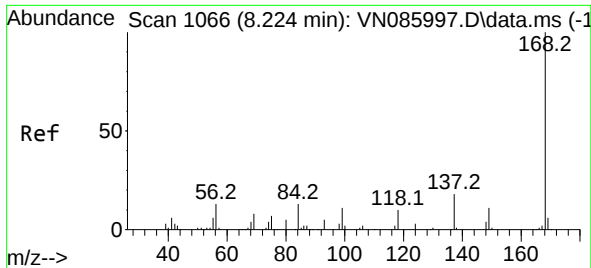
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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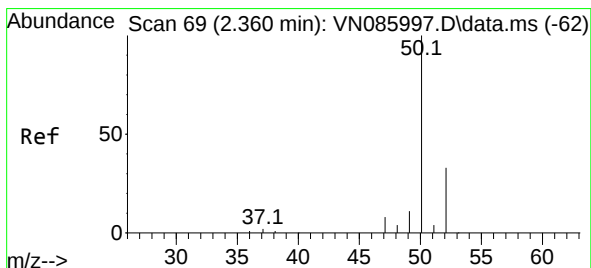
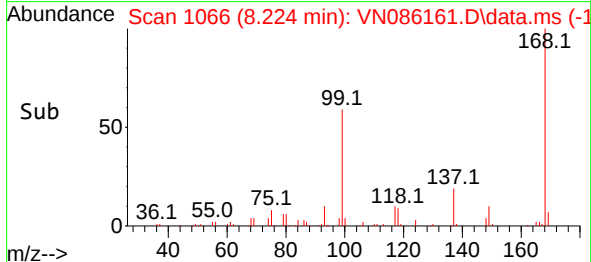
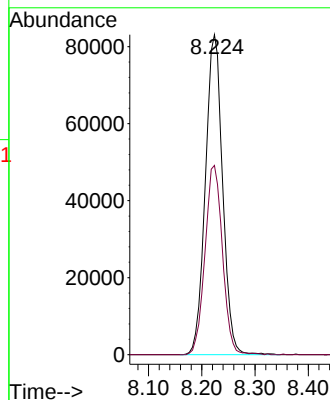
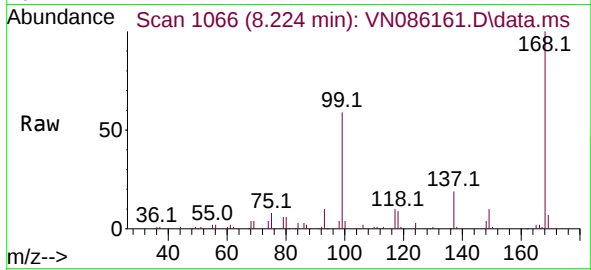




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

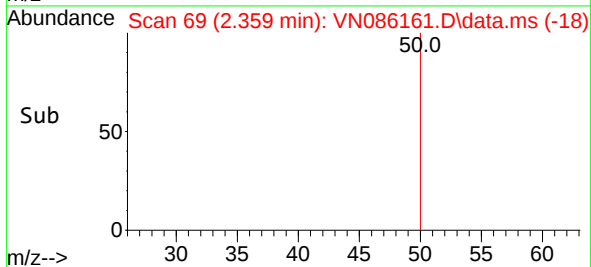
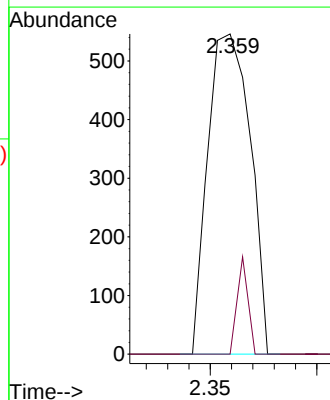
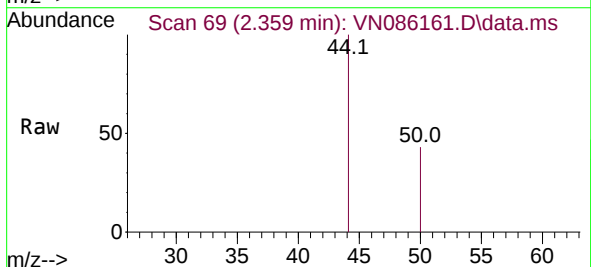
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

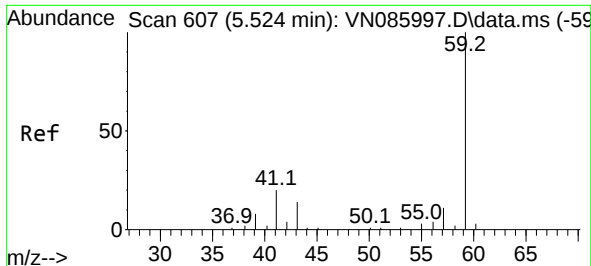
Tgt Ion:168 Resp: 186773
Ion Ratio Lower Upper
168 100
99 59.1 49.4 74.2



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Tgt Ion: 50 Resp: 758
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

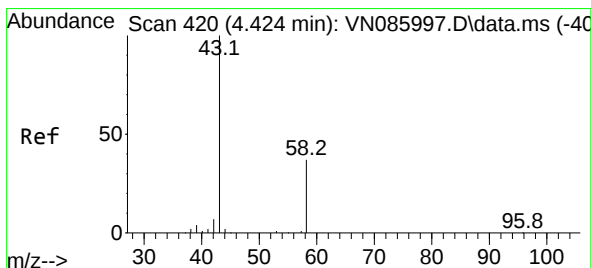
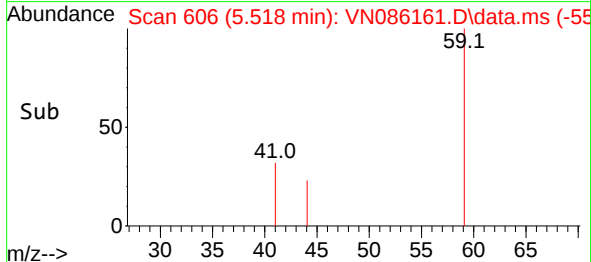
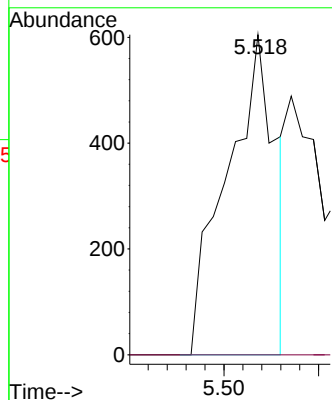
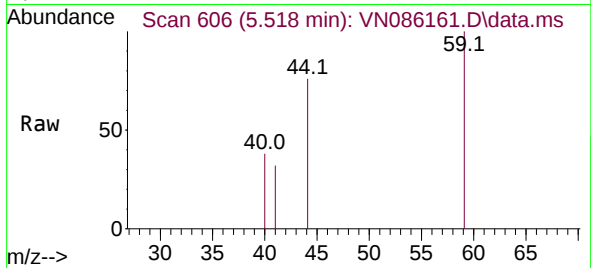




#11
Tert butyl alcohol
Concen: 2.972 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

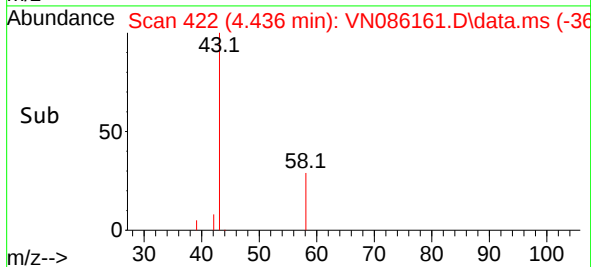
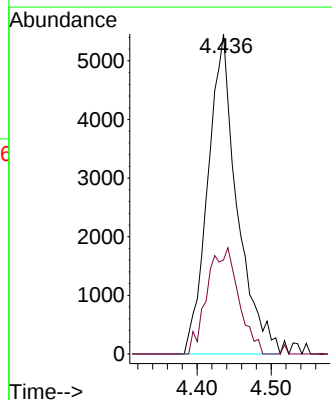
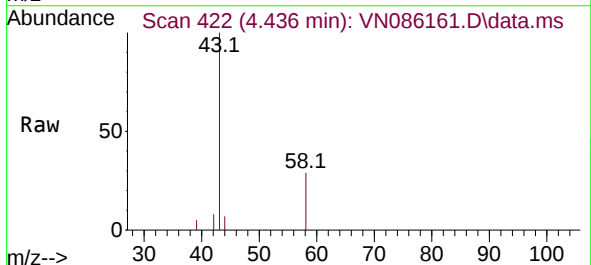
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

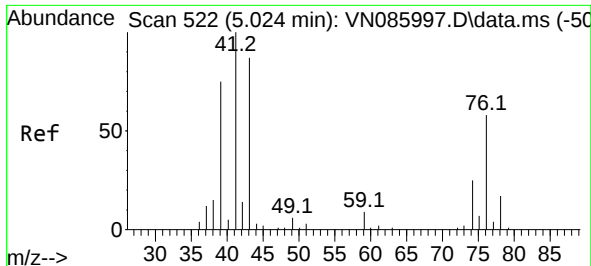
Tgt Ion: 59 Resp: 1076
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 19.136 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Tgt Ion: 43 Resp: 14952
Ion Ratio Lower Upper
43 100
58 29.4 29.4 44.2#

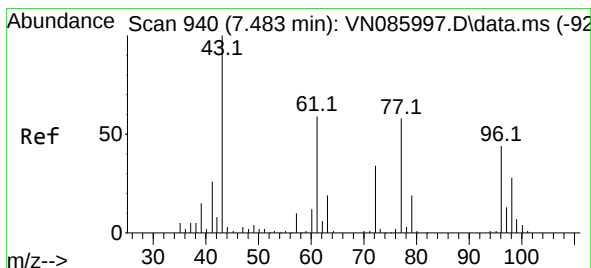
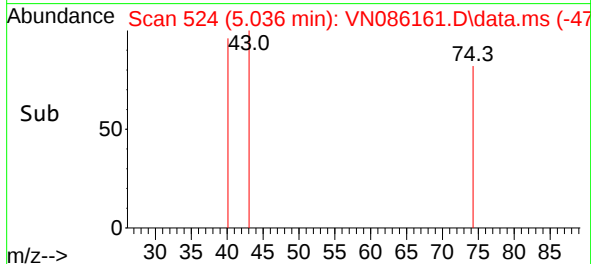
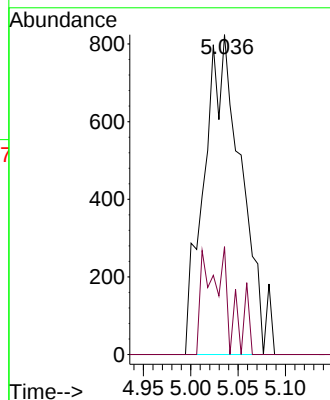
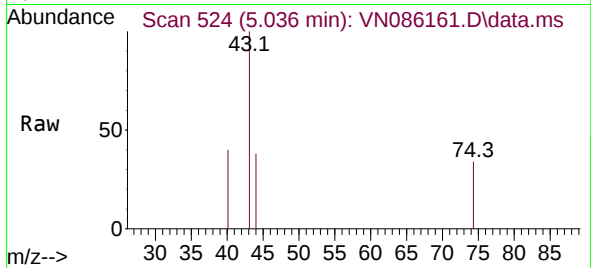




#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

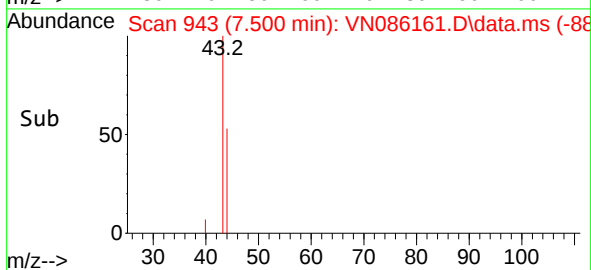
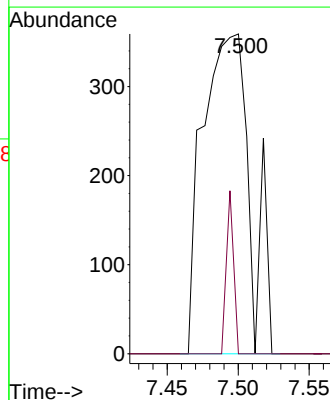
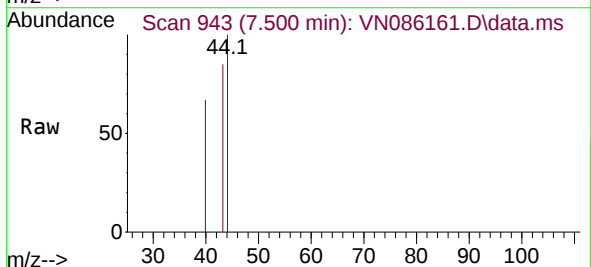
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

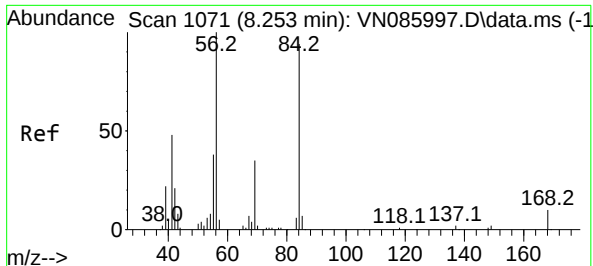
Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
74 22.1 23.9 35.9#



#25
2-Butanone
Concen: 0.740 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.017 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

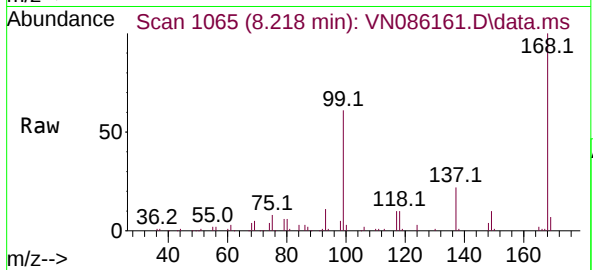
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#



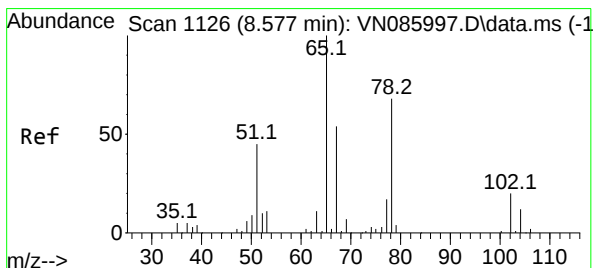
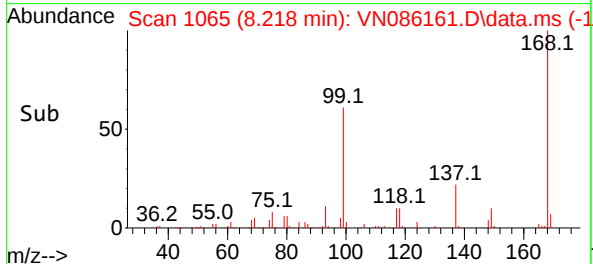
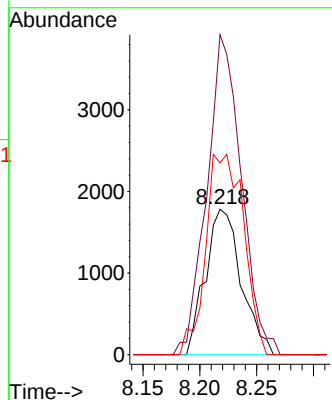


#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

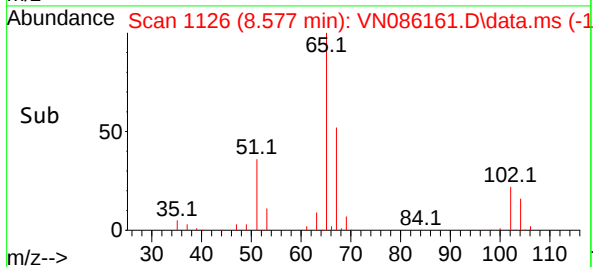
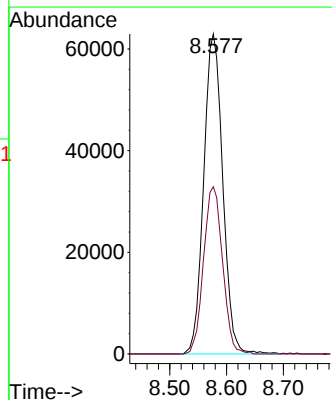
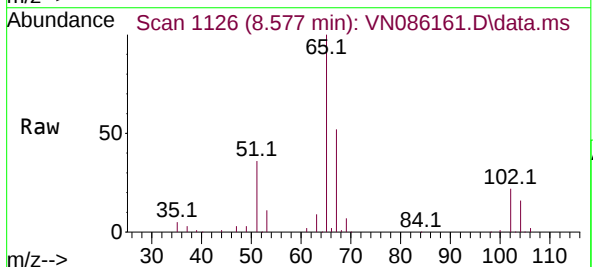


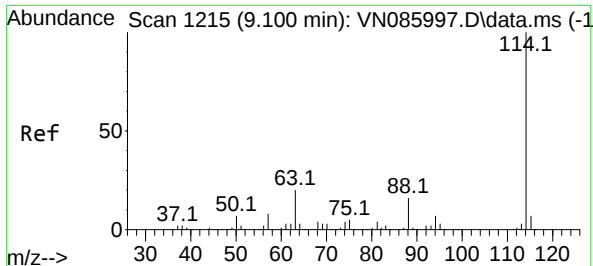
Tgt Ion: 56 Resp: 3913
Ion Ratio Lower Upper
56 100
69 220.2 28.0 42.0#
84 131.9 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 57.209 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Tgt Ion: 65 Resp: 146315
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086161.D

Acq: 28 Mar 2025 19:30

Instrument :

MSVOA_N

ClientSampleId :

TW-WTS-05

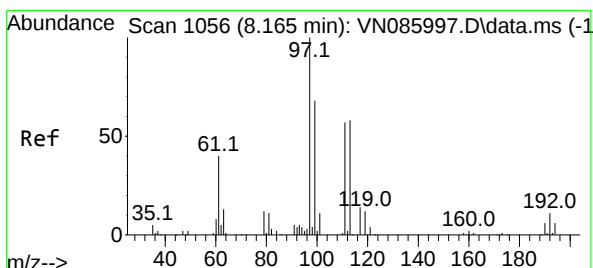
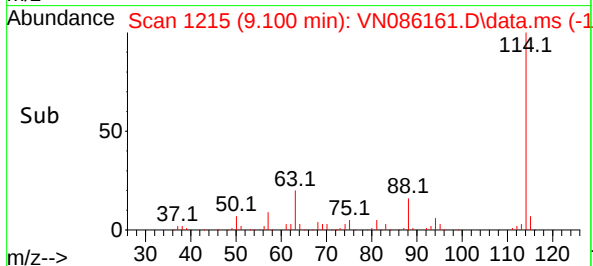
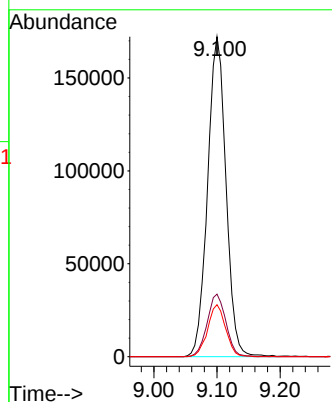
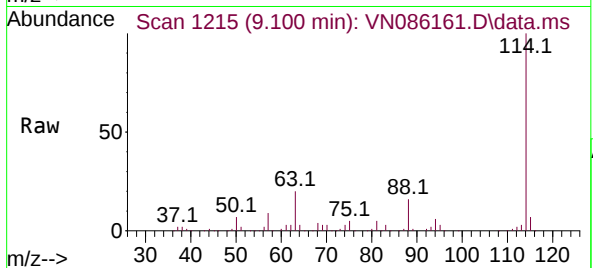
Tgt Ion:114 Resp: 348886

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.034 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086161.D

Acq: 28 Mar 2025 19:30

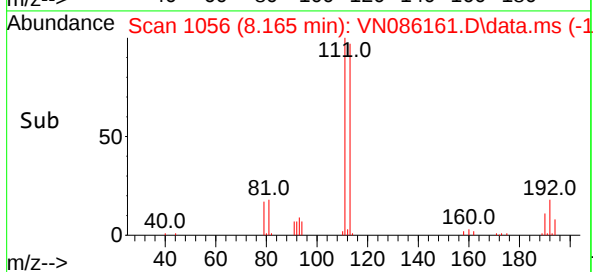
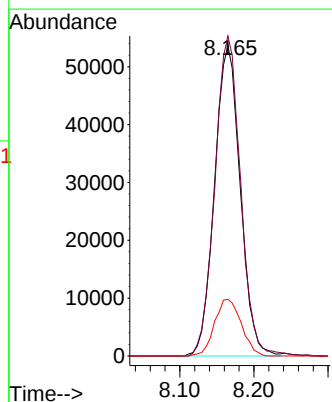
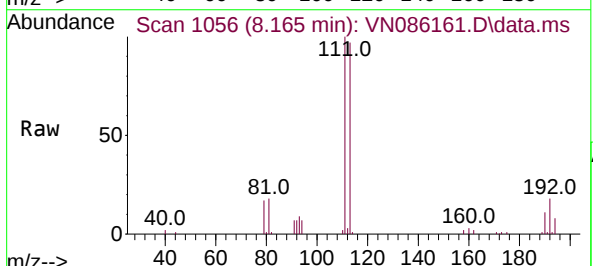
Tgt Ion:113 Resp: 129148

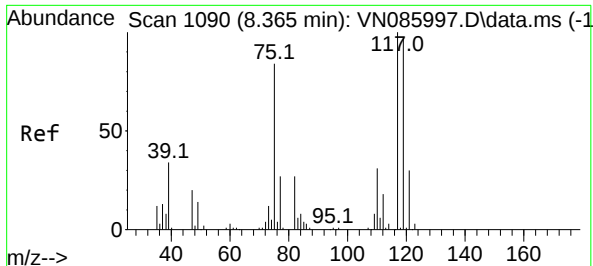
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 19.0 15.9 23.9

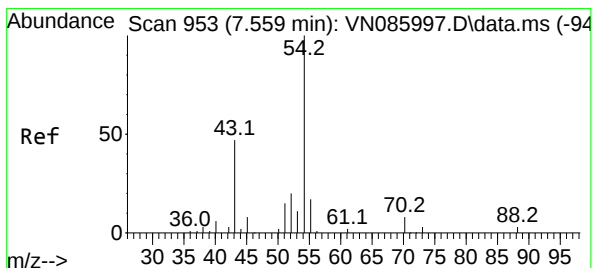
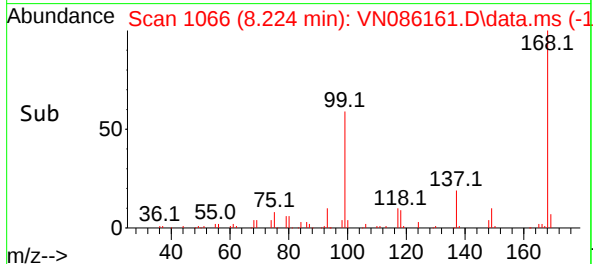
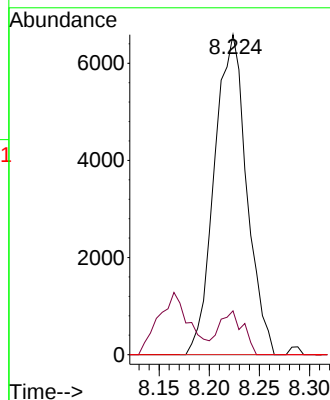
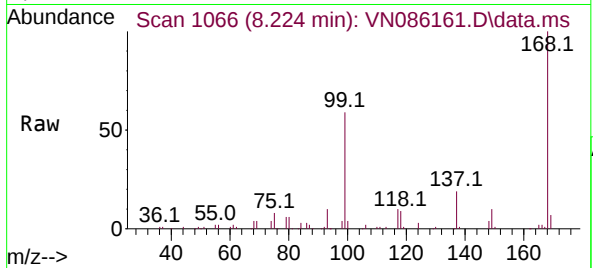




#36
1,1-Dichloropropene
Concen: 4.601 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

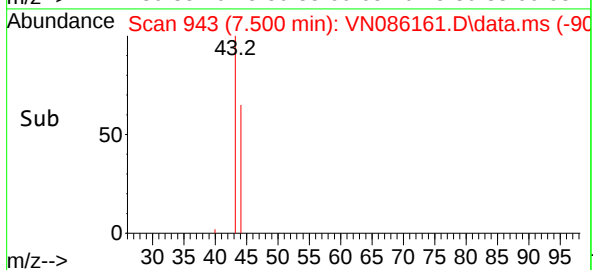
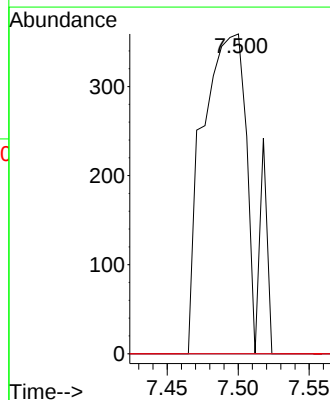
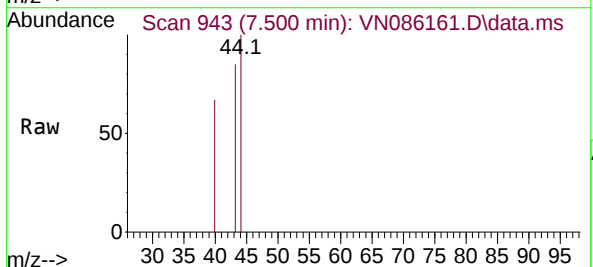
Instrument :
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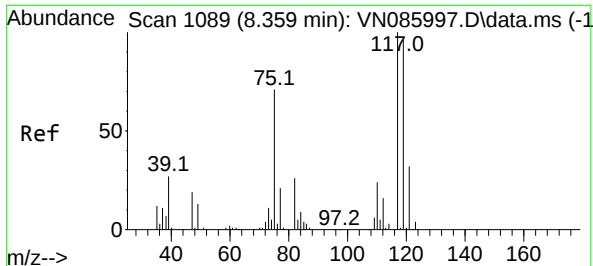
Tgt Ion: 75 Resp: 14753
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.308 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.059 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

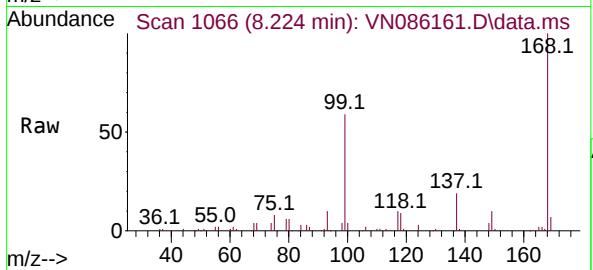
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



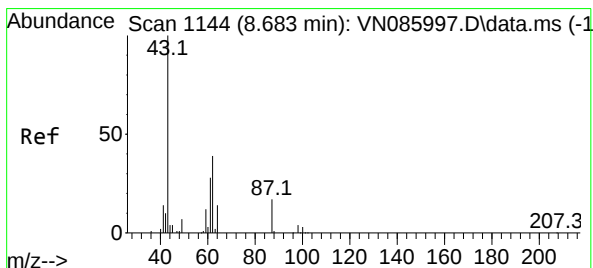
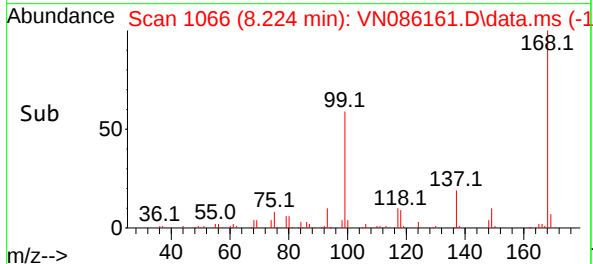
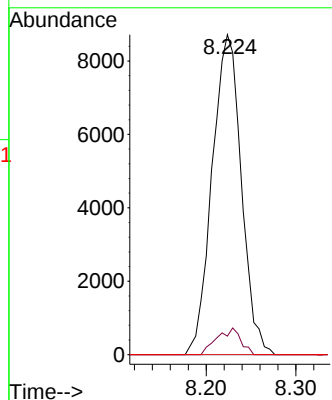


#38
Carbon Tetrachloride
Concen: 4.670 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

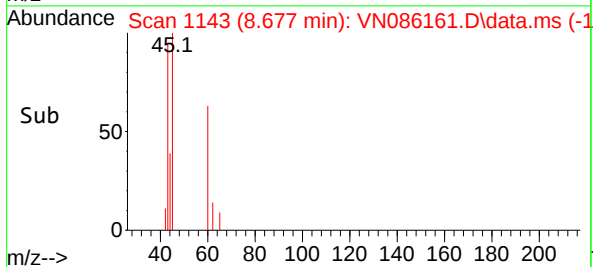
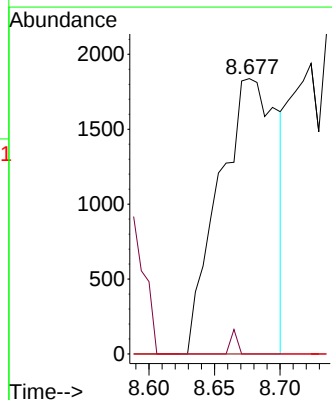
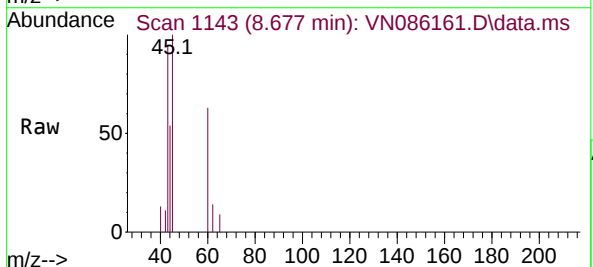


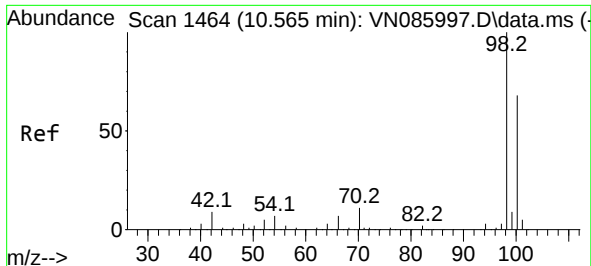
Tgt Ion:117 Resp: 19690
Ion Ratio Lower Upper
117 100
119 5.8 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.963 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Tgt Ion: 43 Resp: 5643
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

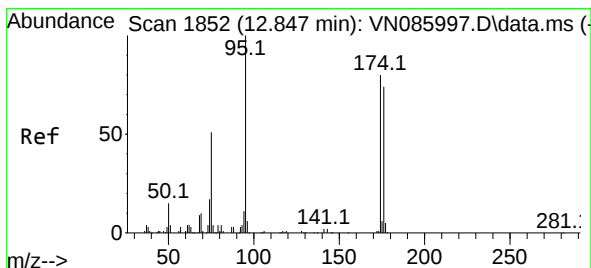
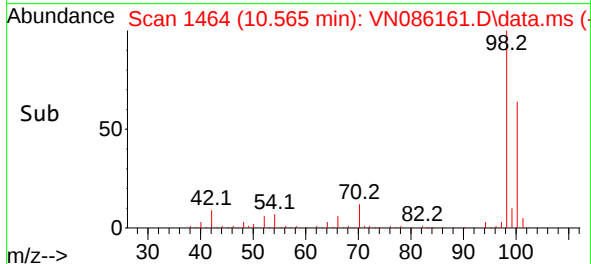
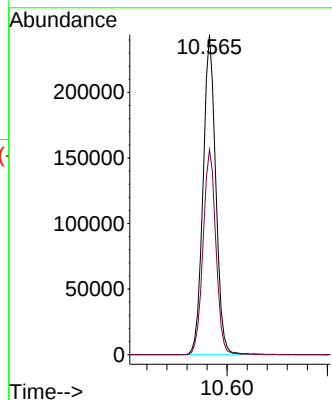
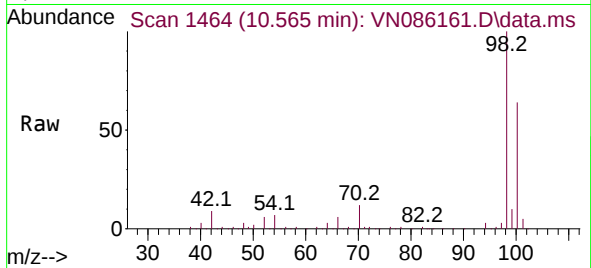




#50
Toluene-d8
Concen: 48.533 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

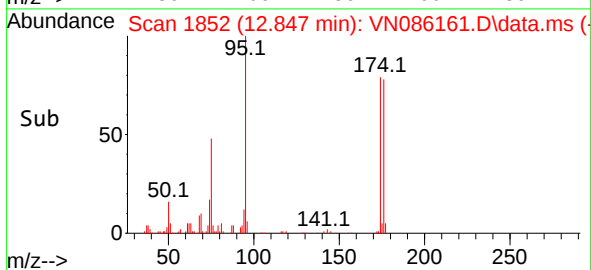
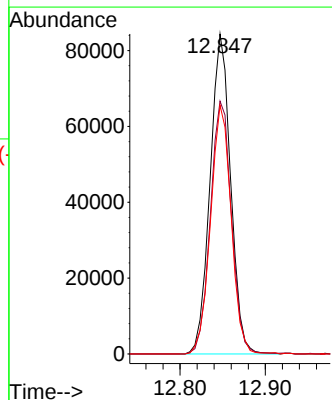
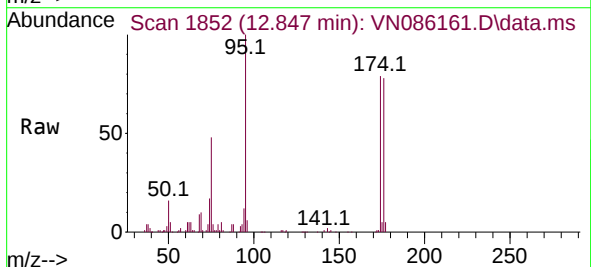
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

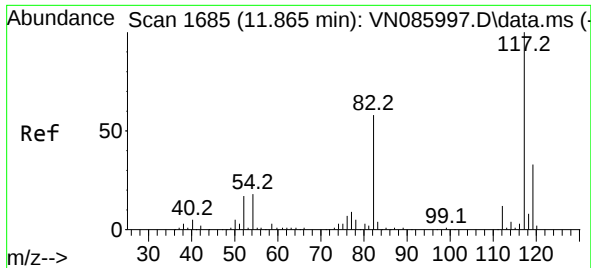
Tgt Ion: 98 Resp: 428933
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.775 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Tgt Ion: 95 Resp: 141125
Ion Ratio Lower Upper
95 100
174 81.2 0.0 156.8
176 78.0 0.0 152.2

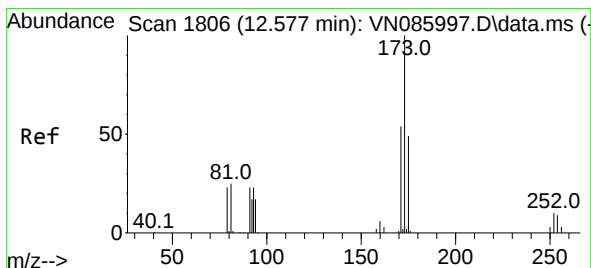
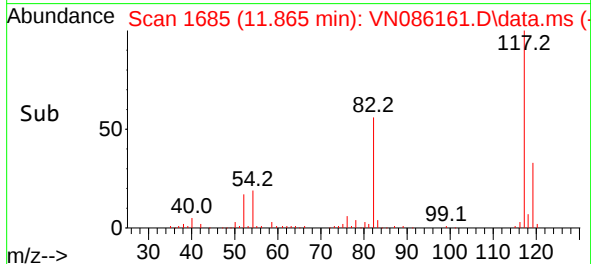
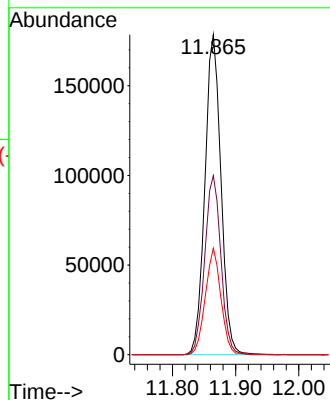
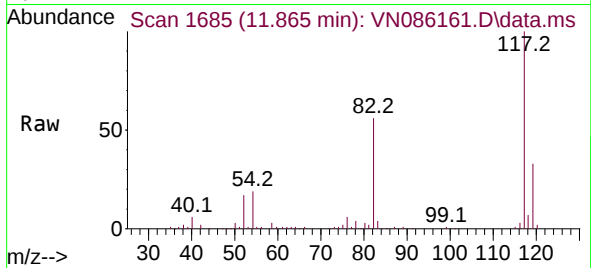




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

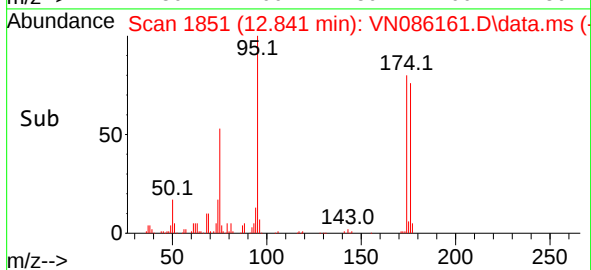
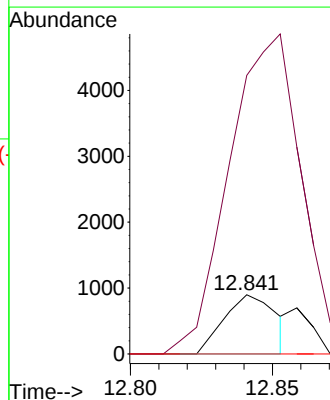
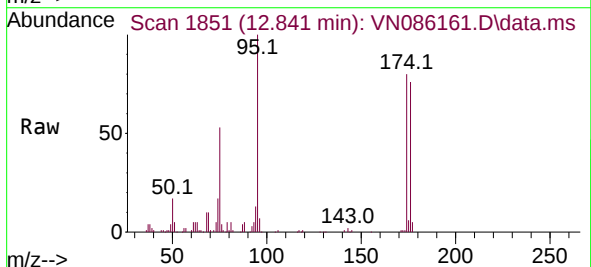
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-05

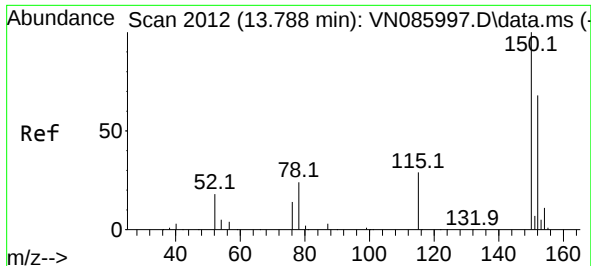
Tgt Ion:117 Resp: 315725
Ion Ratio Lower Upper
117 100
82 55.9 46.7 70.1
119 33.3 26.5 39.7



#71
Bromoform
Concen: 0.507 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.264 min
Lab File: VN086161.D
Acq: 28 Mar 2025 19:30

Tgt Ion:173 Resp: 1139
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

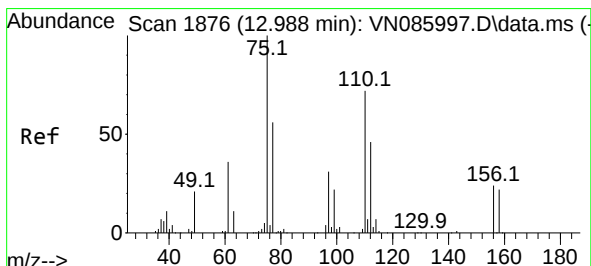
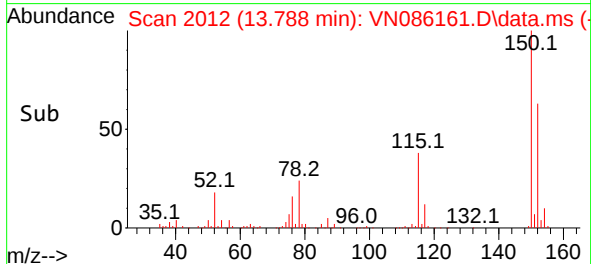
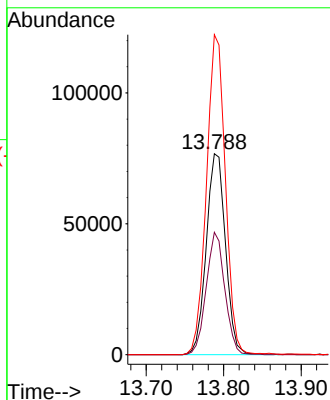
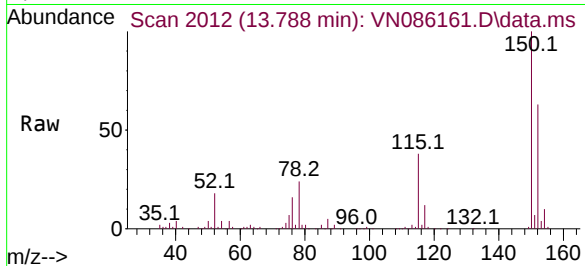




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086161.D
 Acq: 28 Mar 2025 19:30

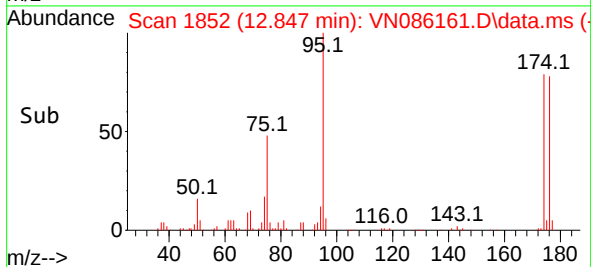
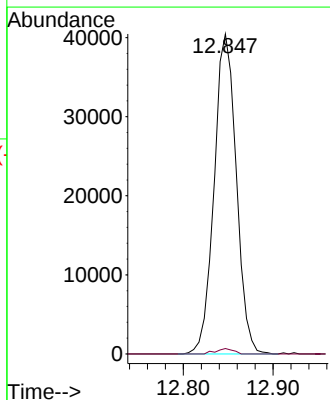
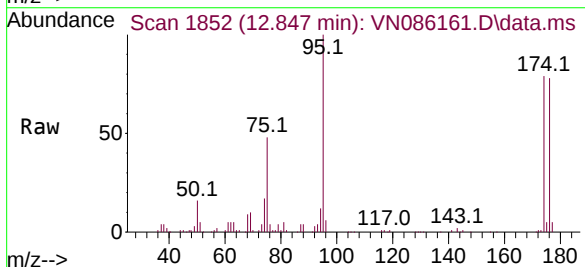
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-WTS-05

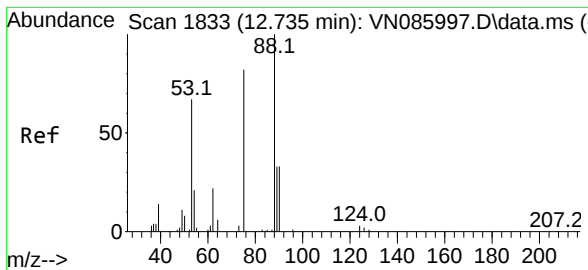
Tgt Ion:152 Resp: 132655
 Ion Ratio Lower Upper
 152 100
 115 58.7 31.1 93.2
 150 156.3 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 23.340 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086161.D
 Acq: 28 Mar 2025 19:30

Tgt Ion: 75 Resp: 69316
 Ion Ratio Lower Upper
 75 100
 77 1.3 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.706 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086161.D
 Acq: 28 Mar 2025 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-WTS-05

Tgt Ion: 75 Resp: 69316
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

