

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041125\
 Data File : VN086254.D
 Acq On : 11 Apr 2025 17:03
 Operator : JC\MD
 Sample : Q1774-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-075-IDWGW-20250409

Quant Time: Apr 12 01:51:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

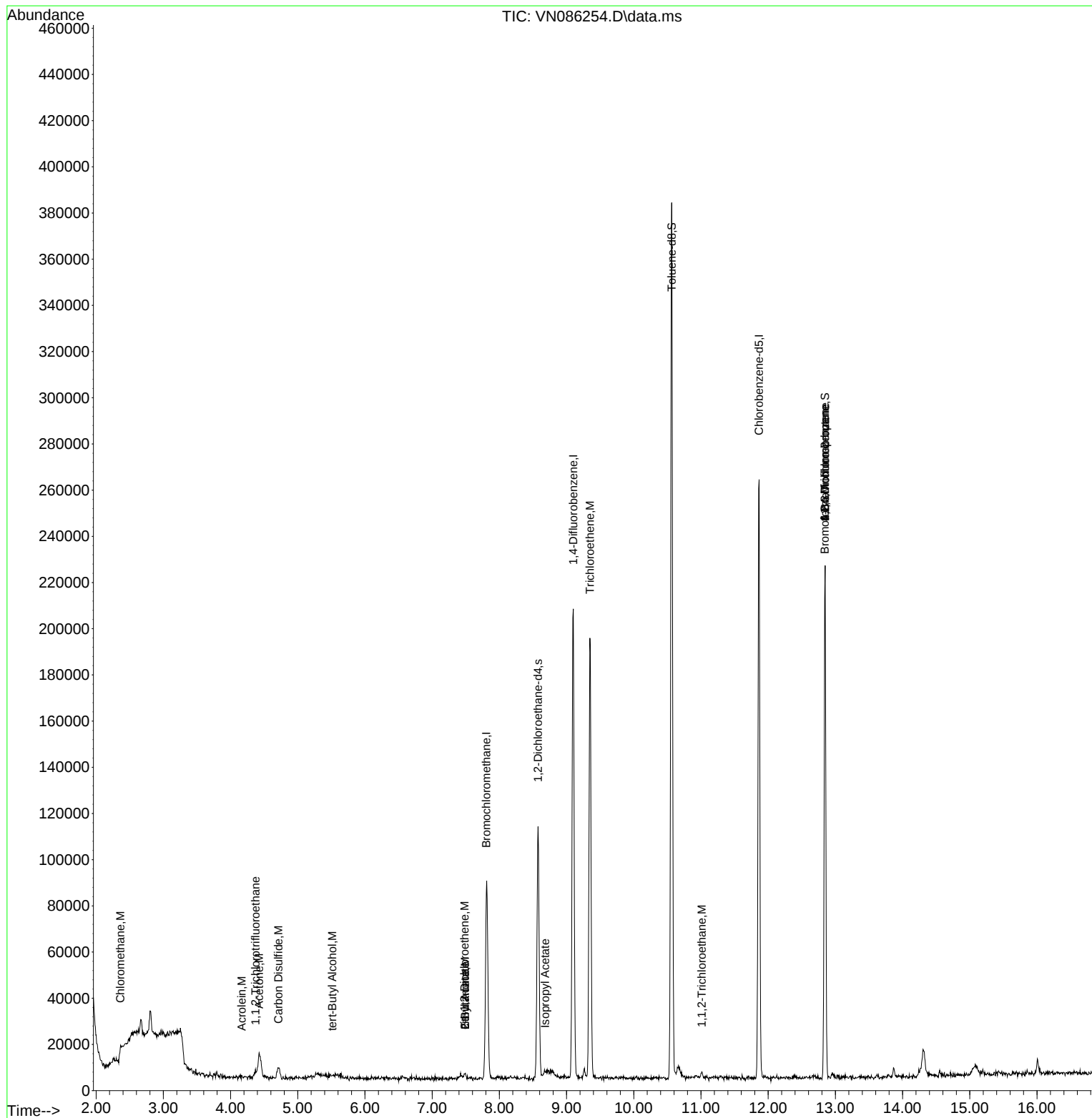
Internal Standards						
1) Bromochloromethane	7.806	128	29637	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	180090	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151244	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	87305	30.202	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.667%	
60) 4-Bromofluorobenzene	12.847	95	86127	28.602	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.333%	
63) Toluene-d8	10.565	98	268466	31.442	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1076	0.328	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	4.371	101	1292	0.618	ug/l #	48
13) Acrolein	4.165	56	240	0.663	ug/l	91
15) Acetone	4.424	58	3507	10.281	ug/l	98
16) Carbon Disulfide	4.712	76	1356	0.210	ug/l #	74
22) cis-1,2-Dichloroethene	7.483	96	1164	0.411	ug/l #	73
23) tert-Butyl Alcohol	5.512	59	120	0.215	ug/l #	100
30) 2-Butanone	7.488	43	1384	0.774	ug/l #	56
37) Trichloroethene	9.347	130	69371	28.013	ug/l	92
43) Ethyl Acetate	7.488	43	1353	0.375	ug/l	94
44) Isopropyl Acetate	8.682	43	2269	0.339	ug/l #	49
50) 1,1,2-Trichloroethane	11.012	97	1273	0.550	ug/l #	83
56) Bromoform	12.841	173	334	0.202	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	42740	14.219	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	42740	30.837	ug/l #	13

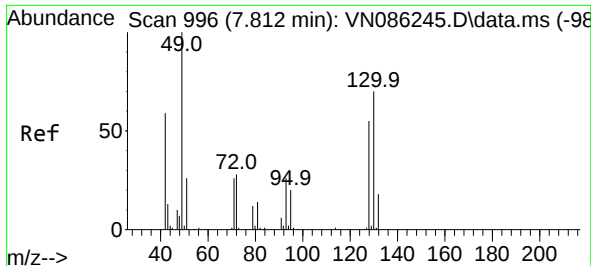
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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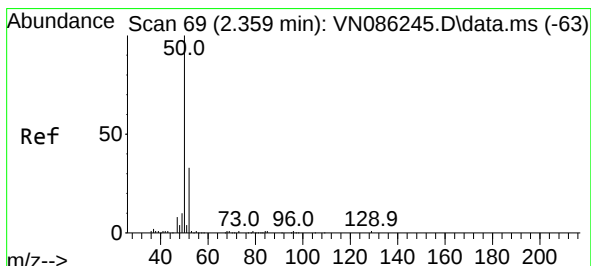
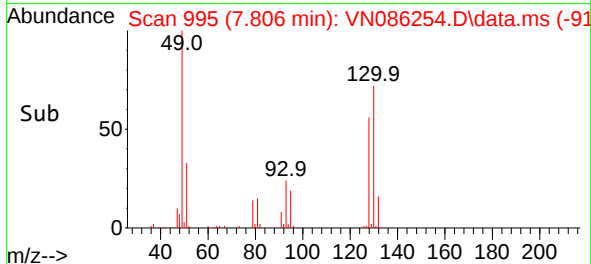
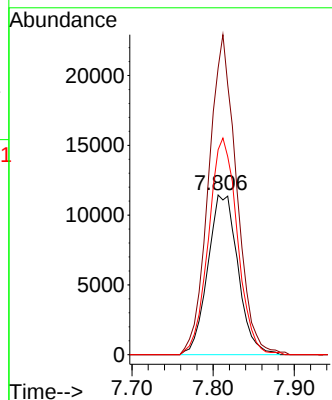
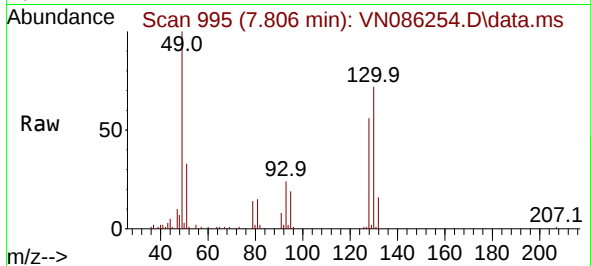




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

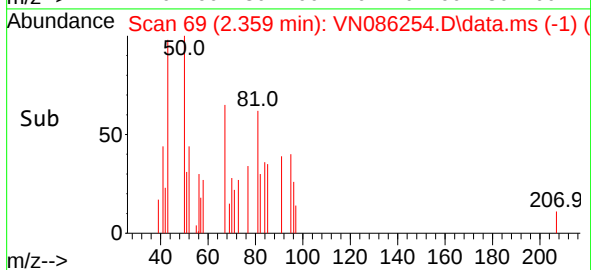
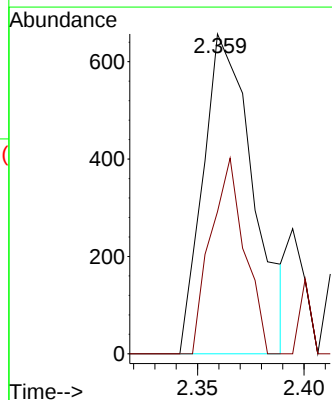
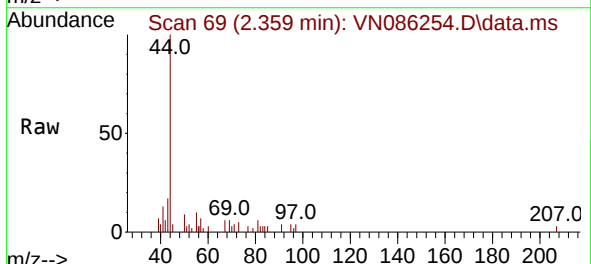
Instrument :
MSVOA_N
ClientSampleId :
TT-075-IDWGW-20250409

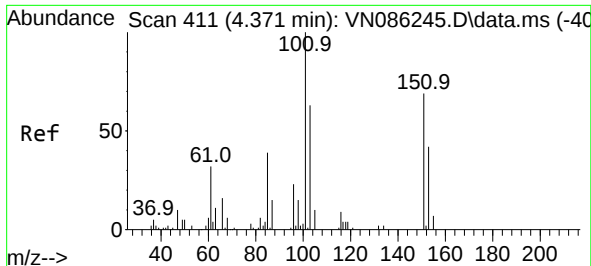
Tgt Ion:128 Resp: 29637
Ion Ratio Lower Upper
128 100
49 185.0 0.0 452.5
130 129.5 0.0 315.0



#3
Chloromethane
Concen: 0.328 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

Tgt Ion: 50 Resp: 1076
Ion Ratio Lower Upper
50 100
52 44.4 26.4 39.6#

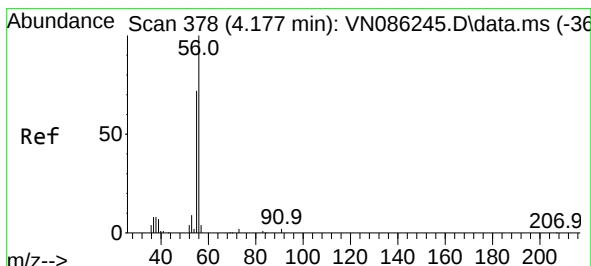
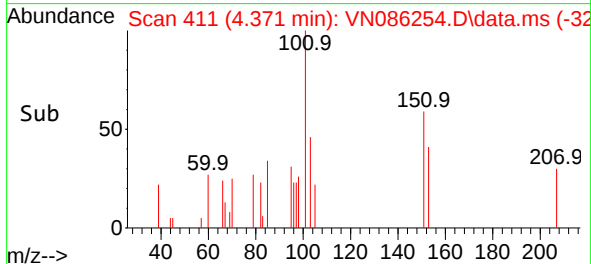
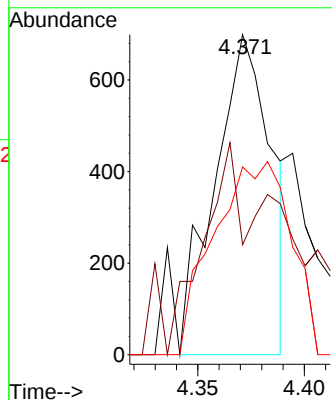
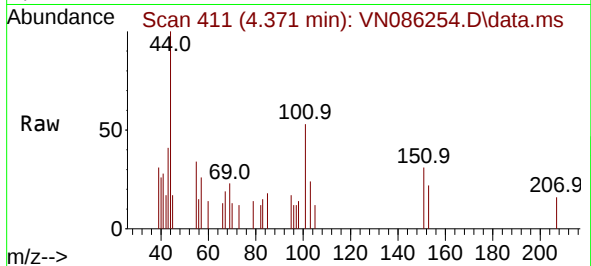




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.618 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

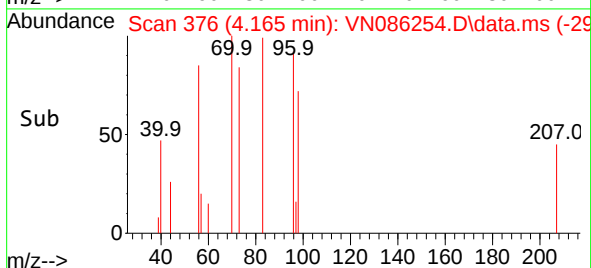
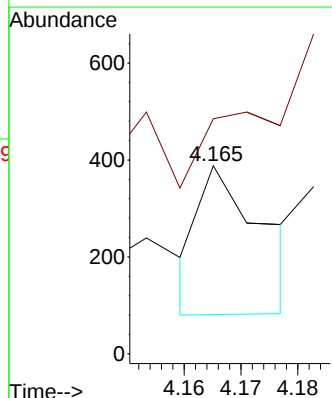
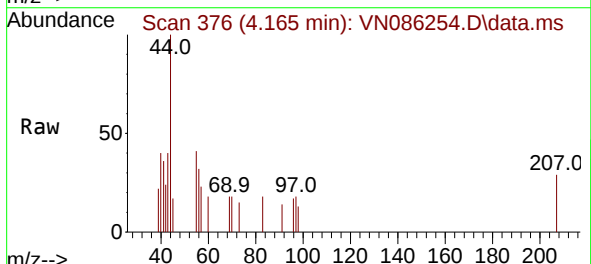
Instrument :
MSVOA_N
ClientSampleId :
TT-075-IDWGW-20250409

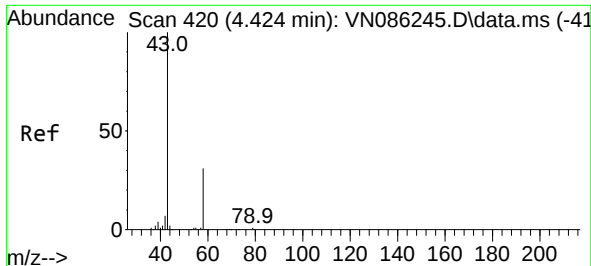
Tgt Ion:101 Resp: 1292
Ion Ratio Lower Upper
101 100
85 44.0 0.0 93.0
151 0.0 0.0 138.6



#13
Acrolein
Concen: 0.663 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 62.9 56.5 84.7





#15

Acetone

Concen: 10.281 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086254.D

Acq: 11 Apr 2025 17:03

Instrument :

MSVOA_N

ClientSampleId :

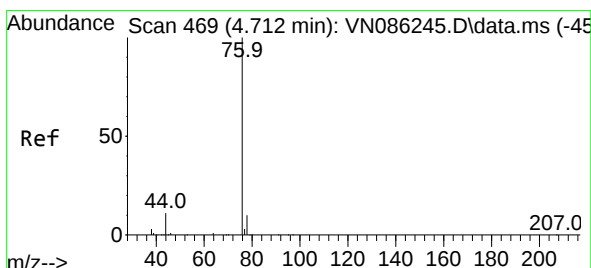
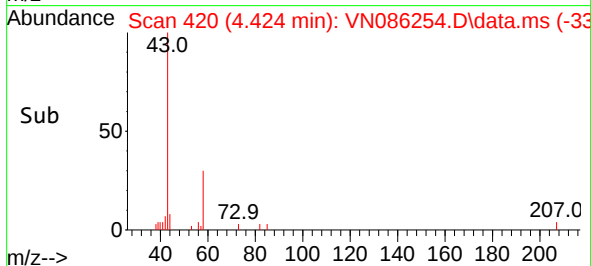
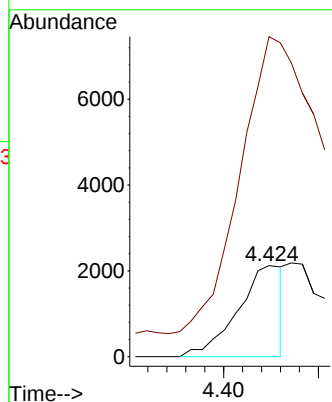
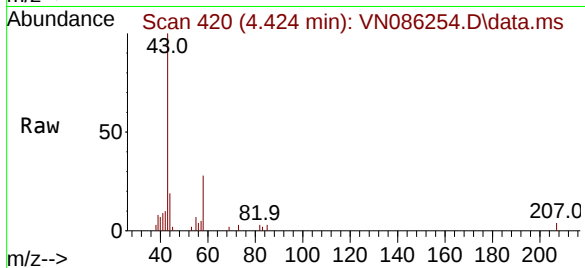
TT-075-IDWGW-20250409

Tgt Ion: 58 Resp: 3507

Ion Ratio Lower Upper

58 100

43 323.7 261.8 392.8



#16

Carbon Disulfide

Concen: 0.210 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086254.D

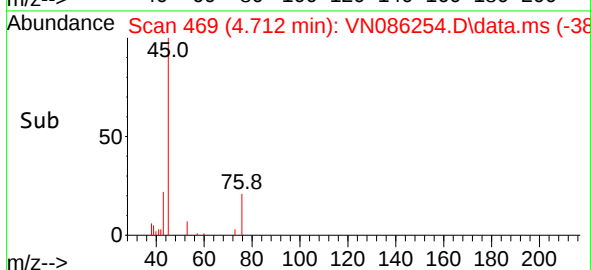
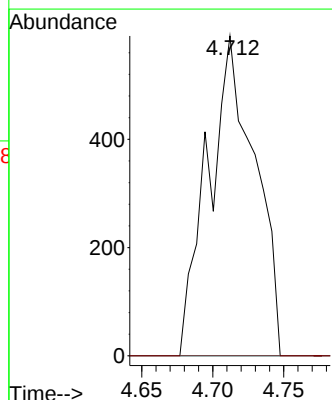
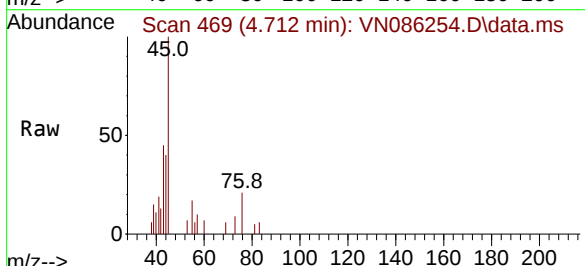
Acq: 11 Apr 2025 17:03

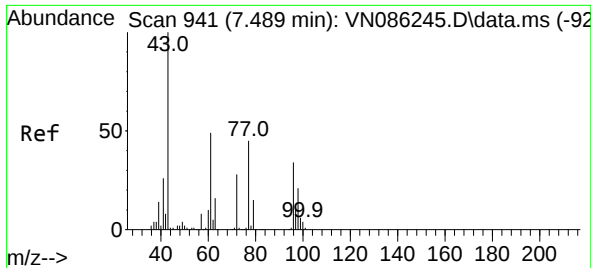
Tgt Ion: 76 Resp: 1356

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

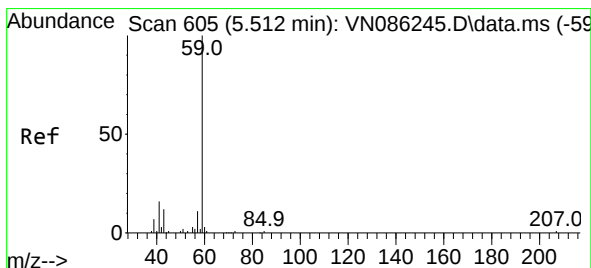
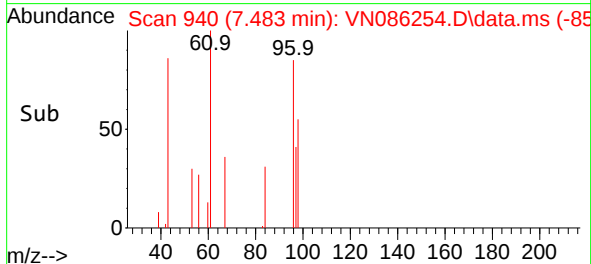
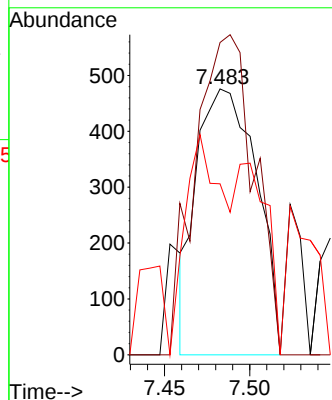
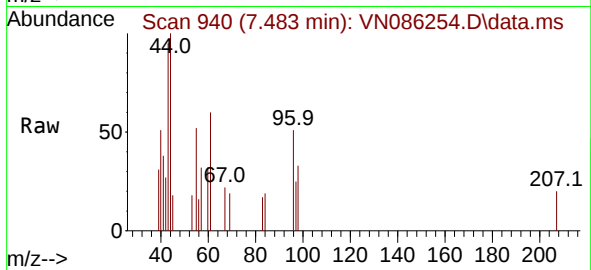




#22
 cis-1,2-Dichloroethene
 Concen: 0.411 ug/l
 RT: 7.483 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN086254.D
 Acq: 11 Apr 2025 17:03

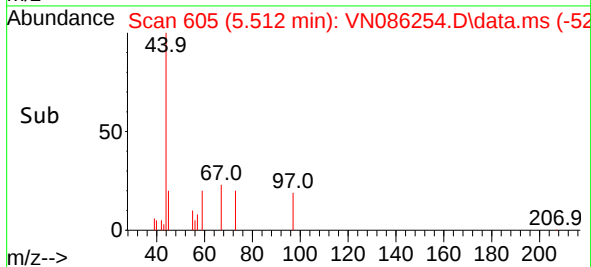
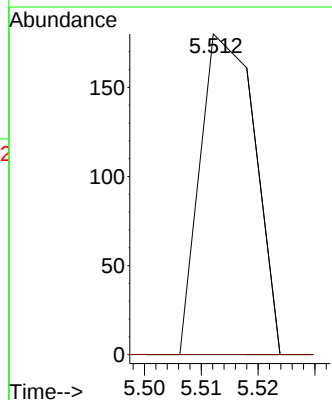
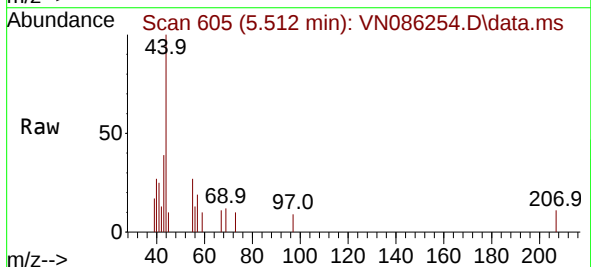
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-075-IDWGW-20250409

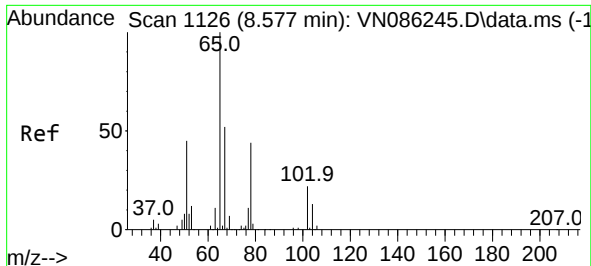
Tgt Ion: 96 Resp: 1164
 Ion Ratio Lower Upper
 96 100
 61 118.6 119.5 179.3#
 98 37.1 51.0 76.6#



#23
 tert-Butyl Alcohol
 Concen: 0.215 ug/l
 RT: 5.512 min Scan# 605
 Delta R.T. -0.000 min
 Lab File: VN086254.D
 Acq: 11 Apr 2025 17:03

Tgt Ion: 59 Resp: 120
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.202 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086254.D

Acq: 11 Apr 2025 17:03

Instrument :

MSVOA_N

ClientSampleId :

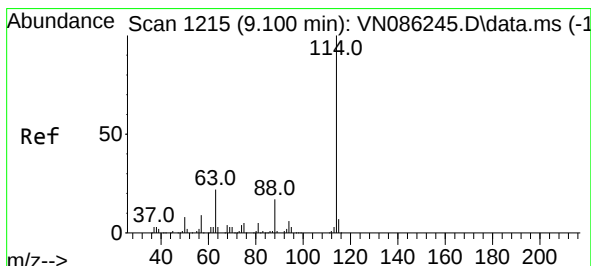
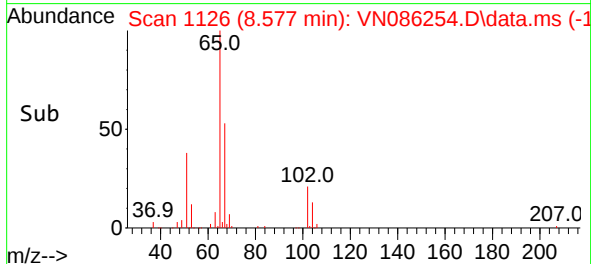
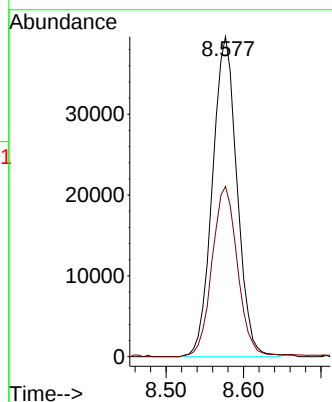
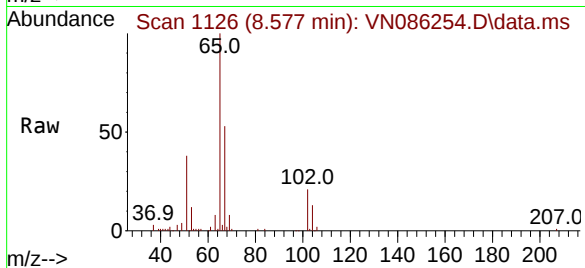
TT-075-IDWGW-20250409

Tgt Ion: 65 Resp: 87305

Ion Ratio Lower Upper

65 100

67 55.2 43.4 65.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086254.D

Acq: 11 Apr 2025 17:03

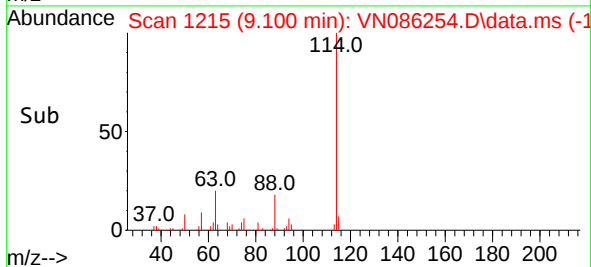
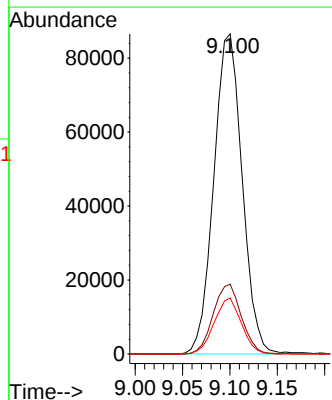
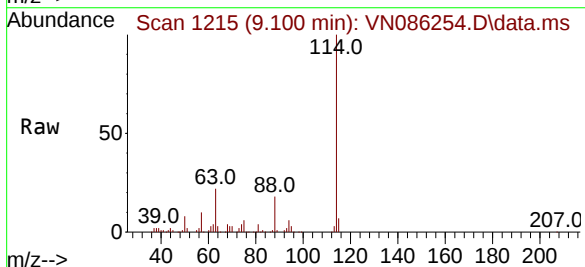
Tgt Ion: 114 Resp: 180090

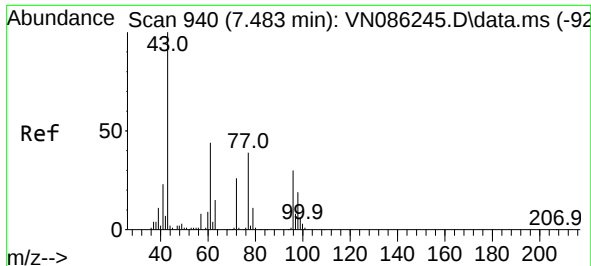
Ion Ratio Lower Upper

114 100

63 21.6 17.8 26.6

88 16.7 13.4 20.2

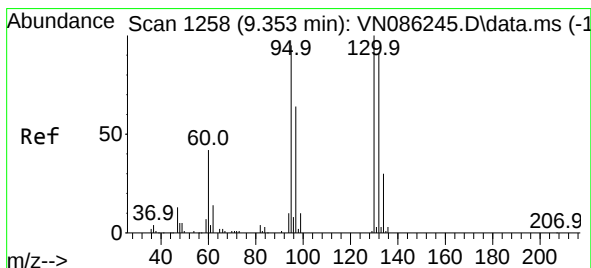
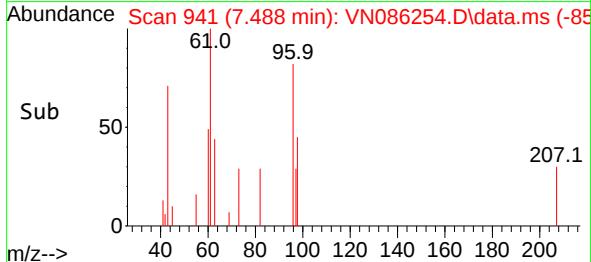
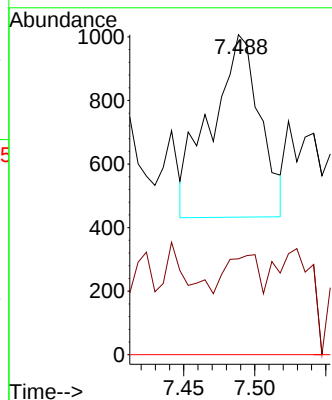
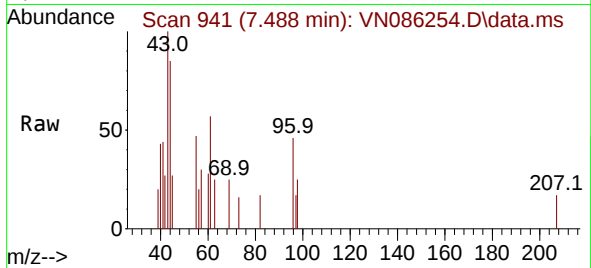




#30
2-Butanone
Concen: 0.774 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

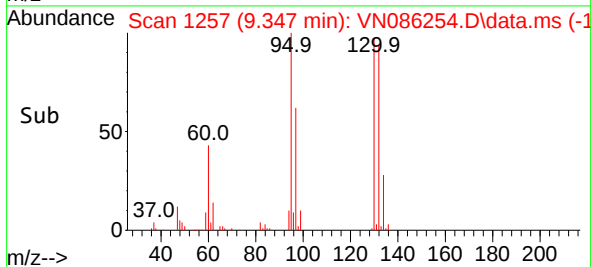
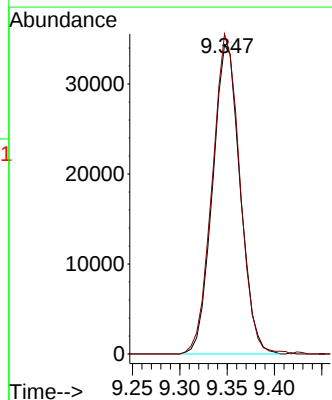
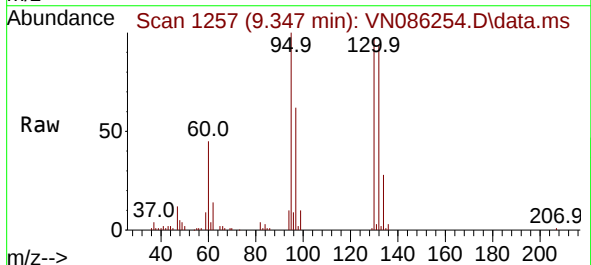
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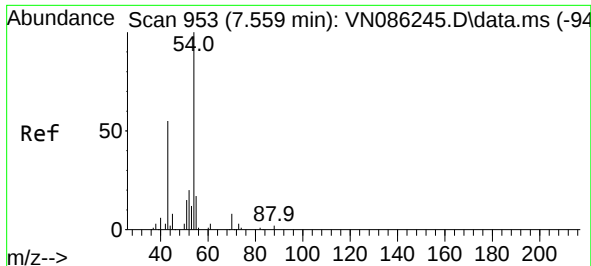
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
57 13.3 6.4 9.6#
72 0.0 21.5 32.3#



#37
Trichloroethene
Concen: 28.013 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

Tgt Ion:130 Resp: 69371
Ion Ratio Lower Upper
130 100
95 103.5 76.4 114.6

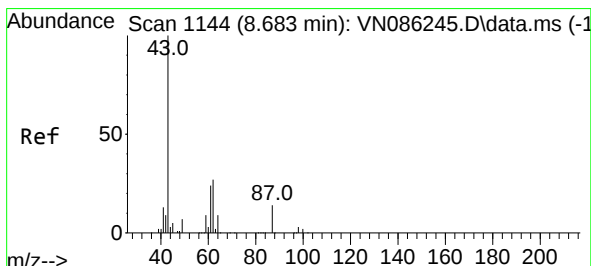
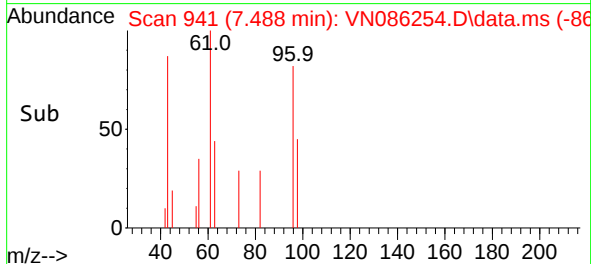
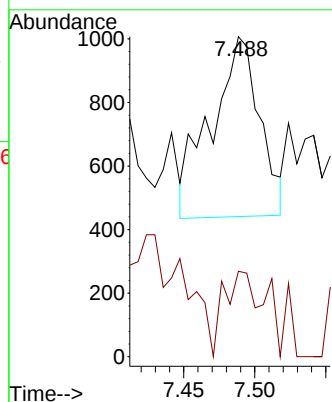
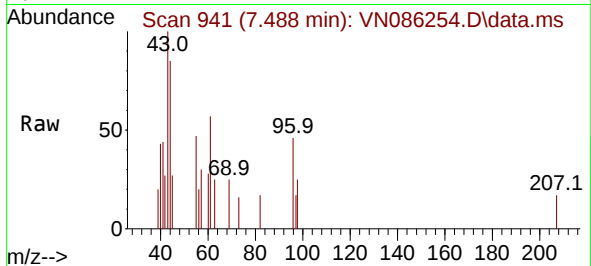




#43
Ethyl Acetate
Concen: 0.375 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

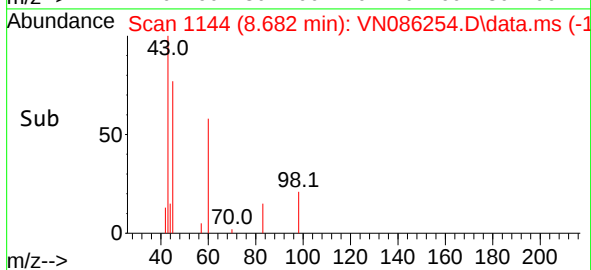
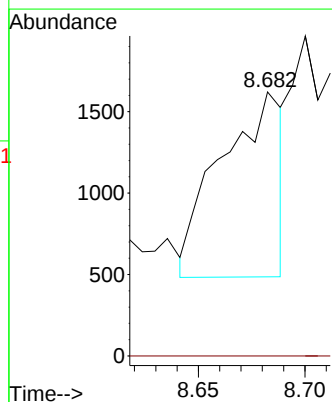
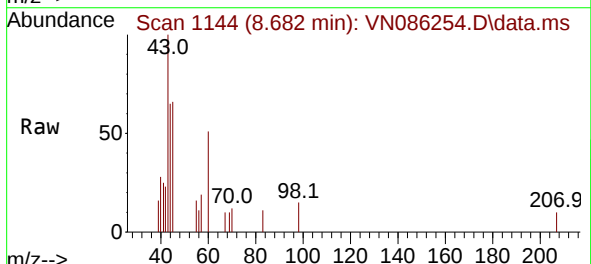
Instrument :
MSVOA_N
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TT-075-IDWGW-20250409

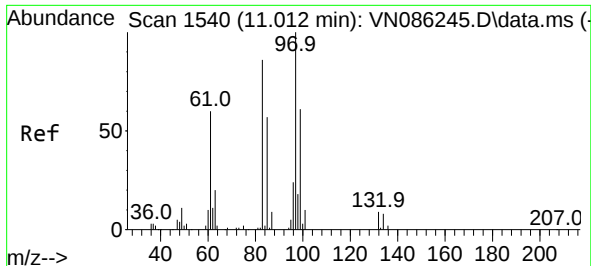
Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
45 11.7 11.2 16.8



#44
Isopropyl Acetate
Concen: 0.339 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

Tgt Ion: 43 Resp: 2269
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#

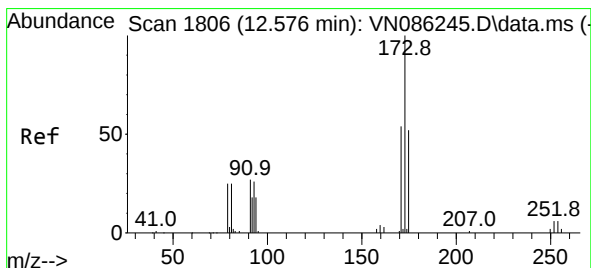
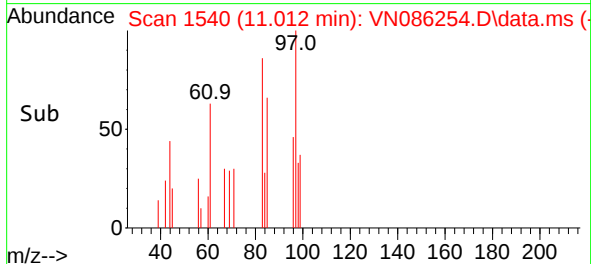
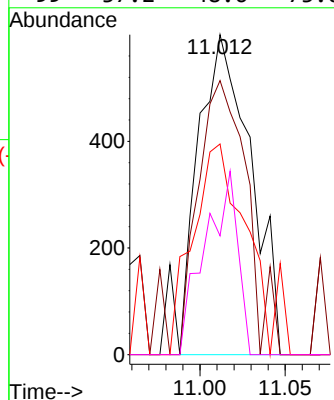
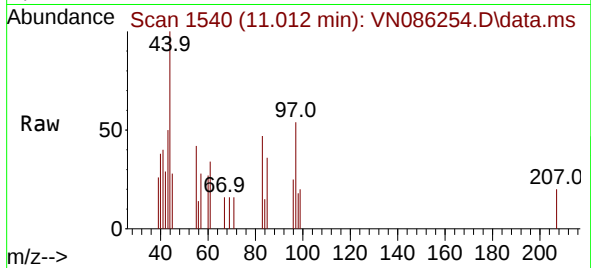




#50
1,1,2-Trichloroethane
Concen: 0.550 ug/l
RT: 11.012 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

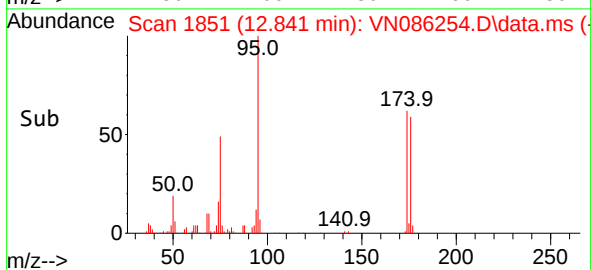
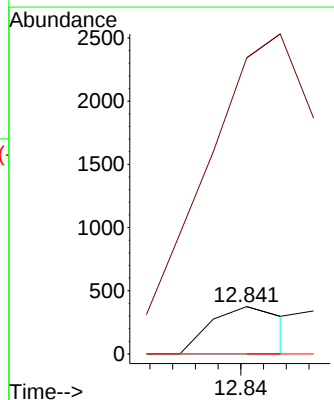
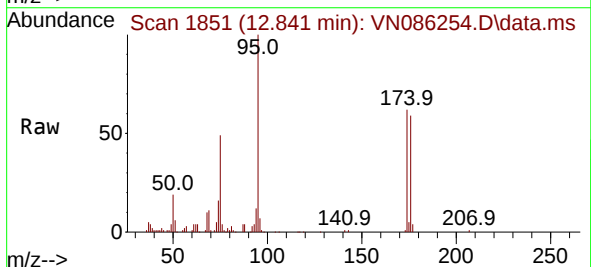
Instrument :
MSVOA_N
ClientSampleId :
TT-075-IDWGW-20250409

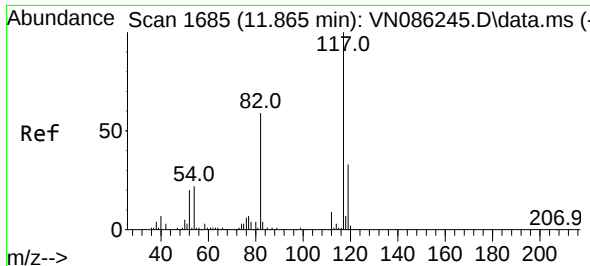
Tgt Ion:	97	Resp:	1273
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.6	103.0
85	37.3	45.9	68.9#
99	37.2	48.6	73.0#



#56
Bromoform
Concen: 0.202 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

Tgt Ion:	173	Resp:	334
Ion	Ratio	Lower	Upper
173	100		
175	1224.3	38.2	57.4#
254	0.0	4.5	6.7#

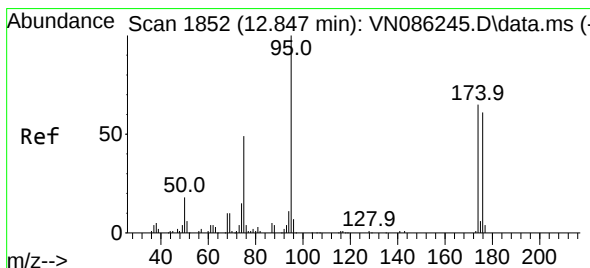
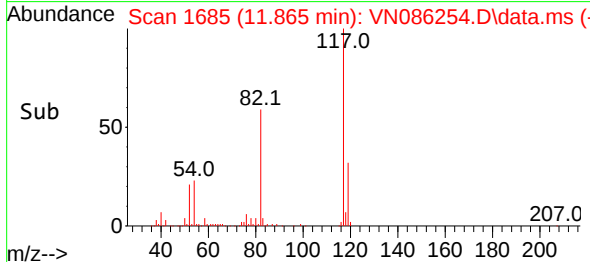
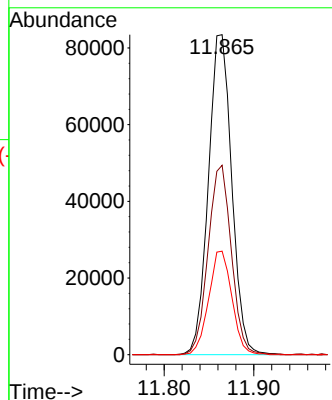
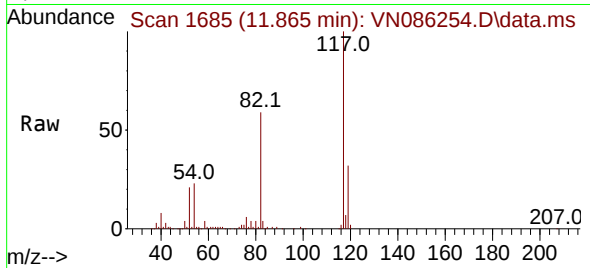




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

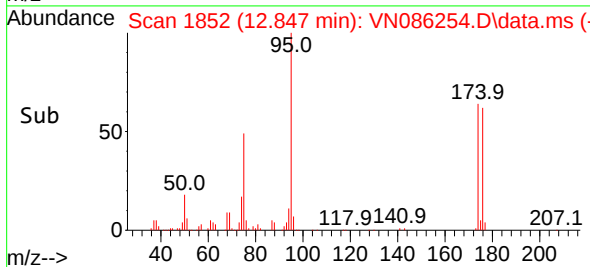
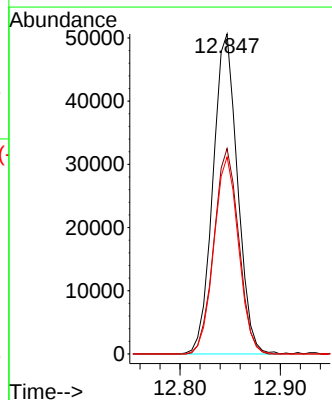
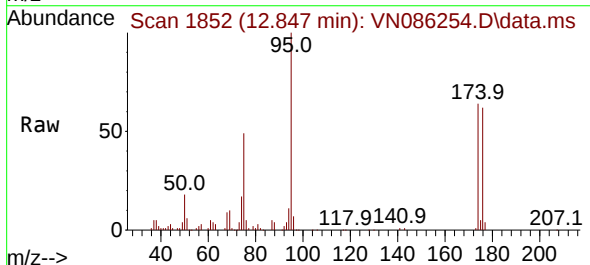
Instrument :
MSVOA_N
ClientSampleId :
TT-075-IDWGW-20250409

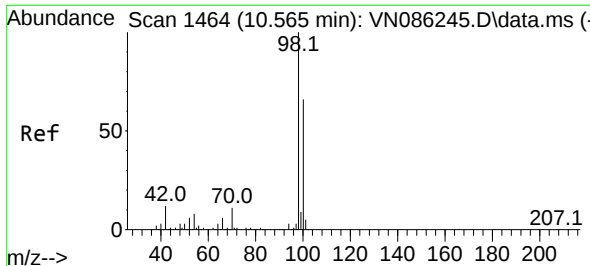
Tgt Ion:117 Resp: 151244
Ion Ratio Lower Upper
117 100
82 59.0 47.3 70.9
119 32.2 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 28.602 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

Tgt Ion: 95 Resp: 86127
Ion Ratio Lower Upper
95 100
174 64.8 52.7 79.1
176 61.8 49.8 74.8

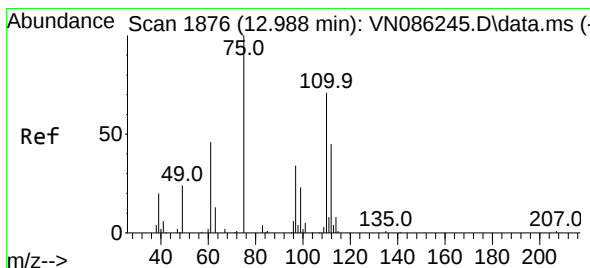
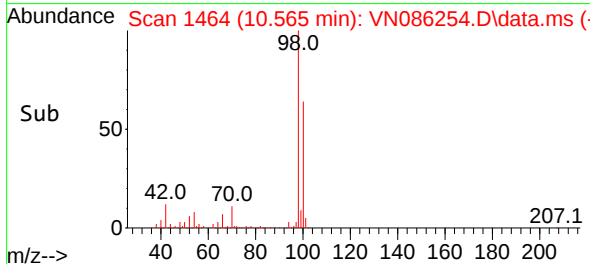
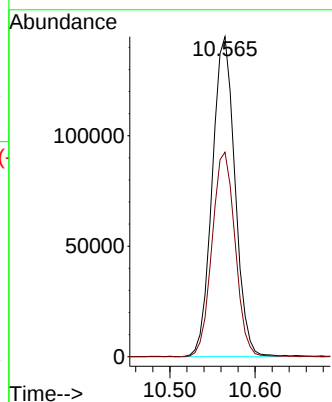
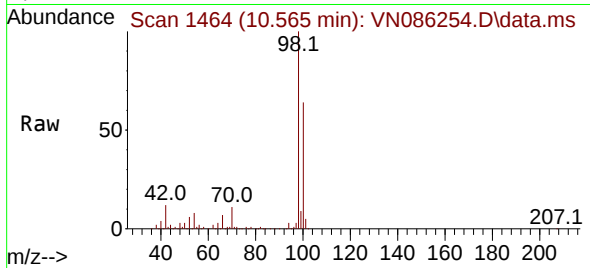




#63
Toluene-d8
Concen: 31.442 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

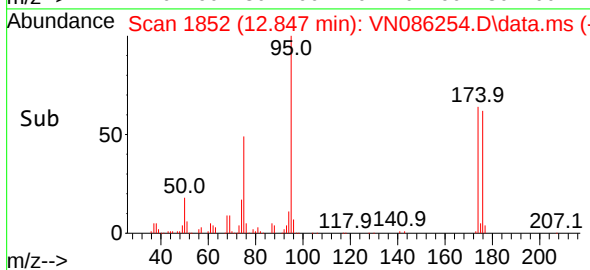
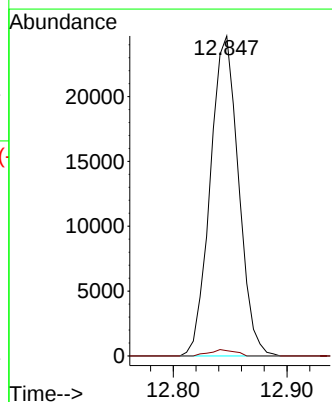
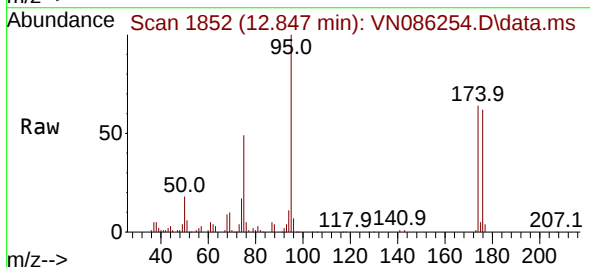
Instrument :
MSVOA_N
ClientSampleId :
TT-075-IDWGW-20250409

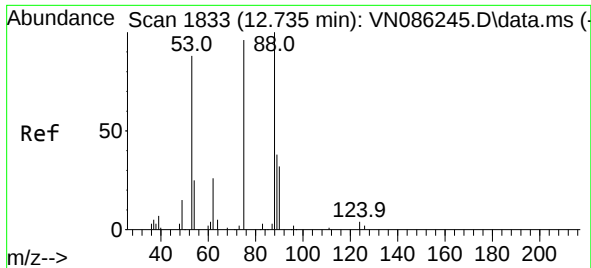
Tgt Ion: 98 Resp: 268466
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#72
1,2,3-Trichloropropane
Concen: 14.219 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086254.D
Acq: 11 Apr 2025 17:03

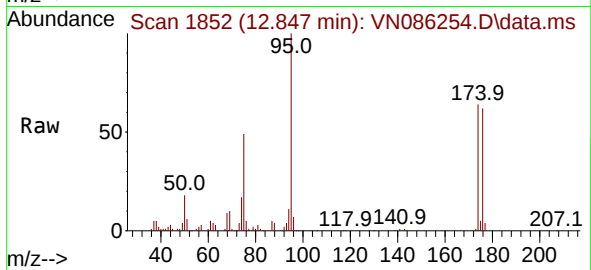
Tgt Ion: 75 Resp: 42740
Ion Ratio Lower Upper
75 100
77 1.8 0.0 380.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.837 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086254.D
 Acq: 11 Apr 2025 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-075-IDWGW-20250409



Tgt Ion: 75 Resp: 42740
 Ion Ratio Lower Upper
 75 100
 53 0.6 46.4 139.2#
 89 0.0 22.5 67.5#

