

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086665.D
 Acq On : 16 May 2025 13:54
 Operator : JC\MD
 Sample : Q2006-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: May 16 23:03:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

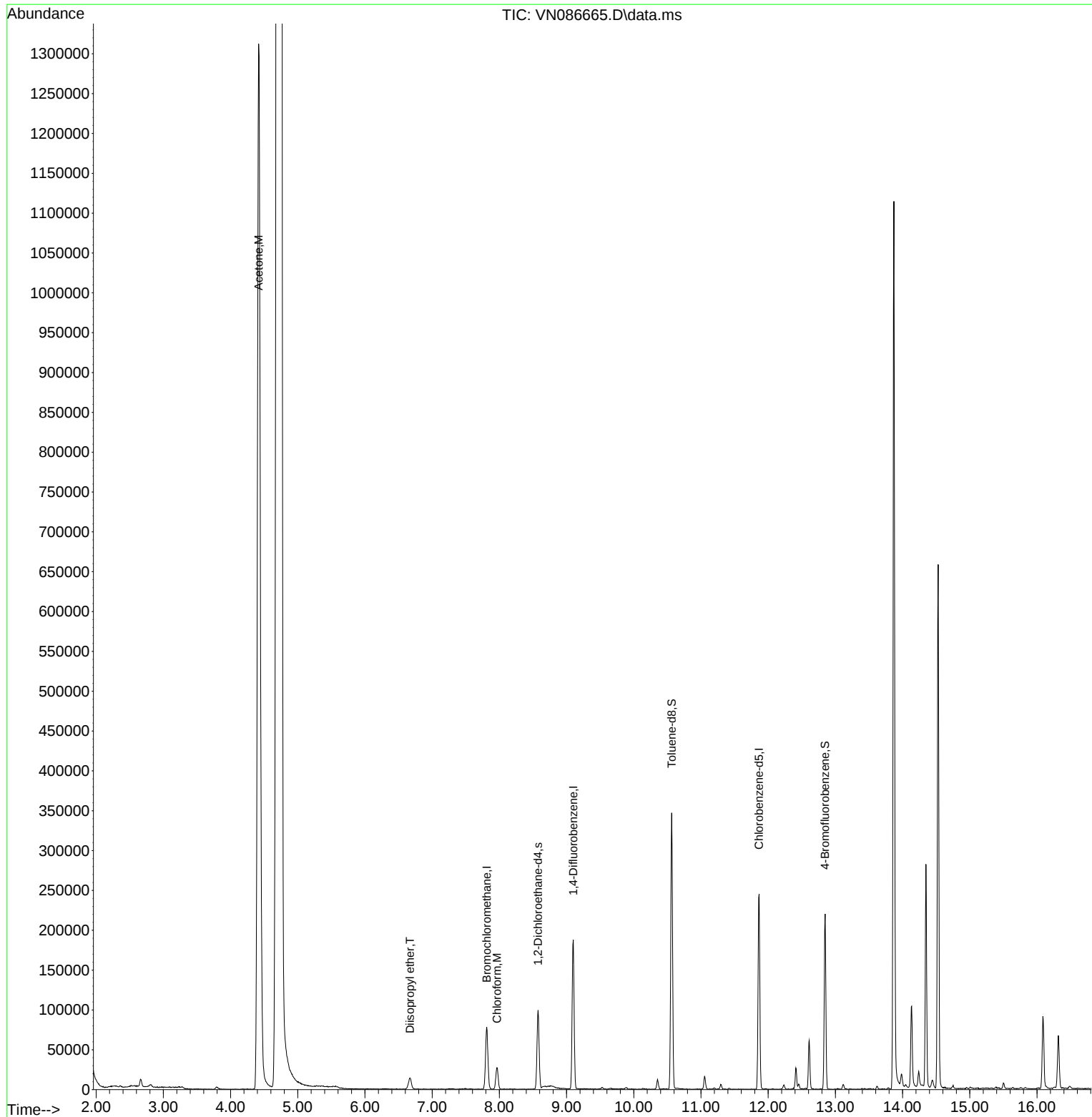
Internal Standards						
1) Bromochloromethane	7.812	128	28982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	166943	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151707	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81412	29.136	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.133%
60) 4-Bromofluorobenzene	12.847	95	81007	27.168	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.567%
63) Toluene-d8	10.565	98	246017	29.477	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.267%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	824995	2807.028	ug/l	91
20) Diisopropyl ether	6.671	45	18400	2.394	ug/l	94
25) Chloroform	7.965	83	27177	6.382	ug/l	93

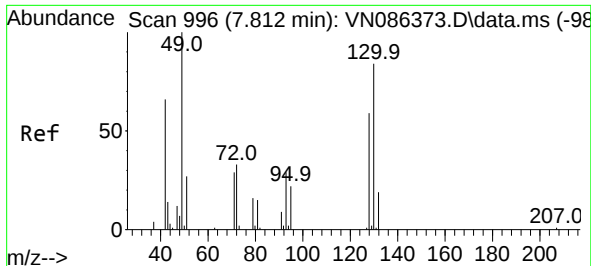
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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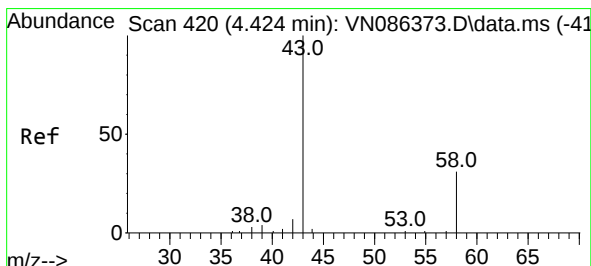
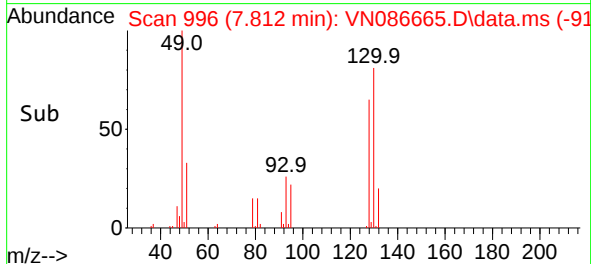
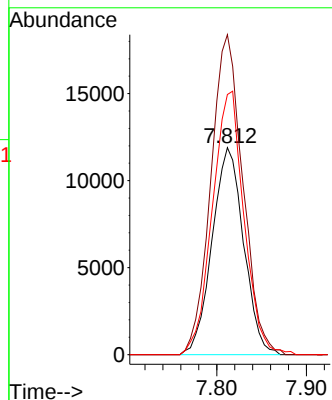
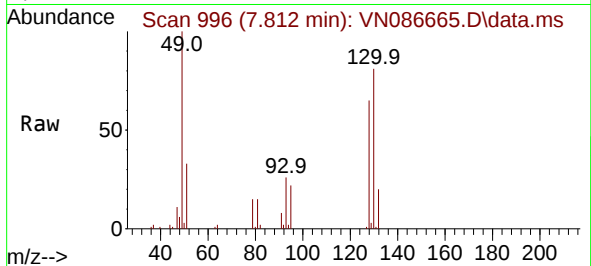




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

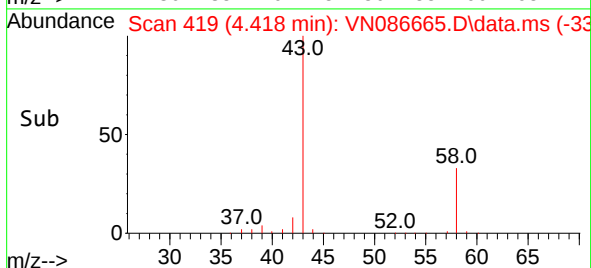
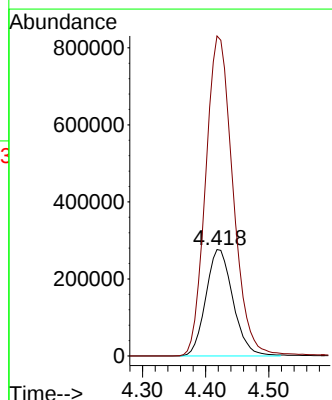
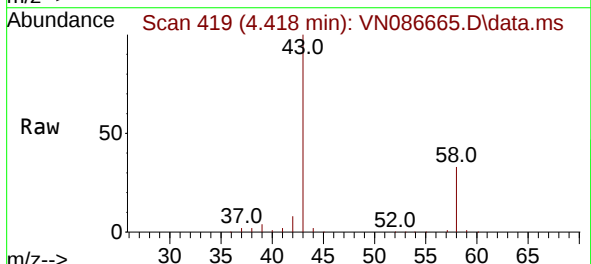
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

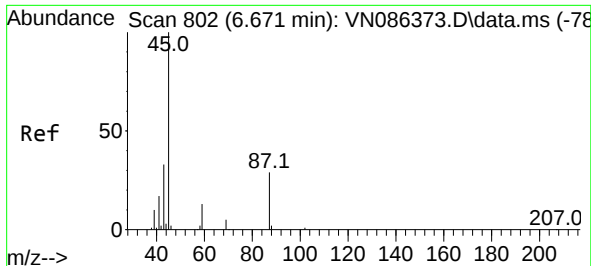
Tgt Ion:128 Resp: 28982
Ion Ratio Lower Upper
128 100
49 156.9 0.0 433.8
130 128.2 0.0 325.0



#15
Acetone
Concen: 2807.028 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion: 58 Resp: 824995
Ion Ratio Lower Upper
58 100
43 300.5 255.1 382.7

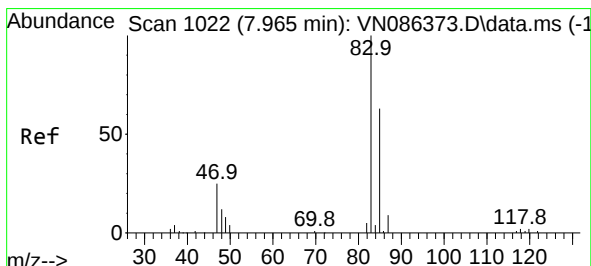
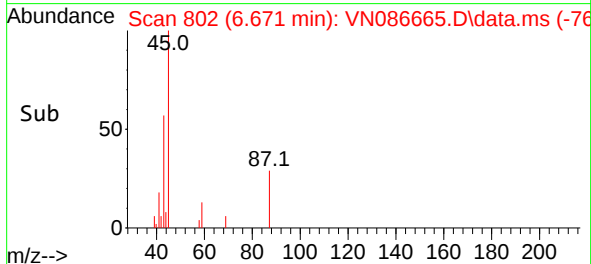
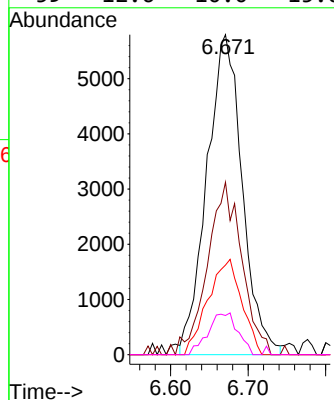
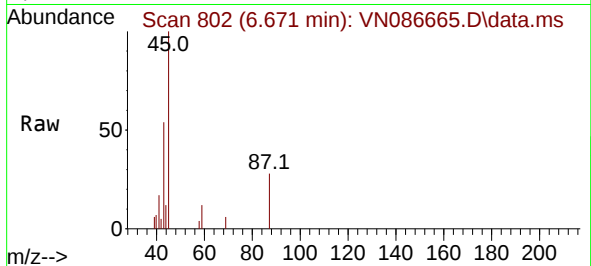




#20
Diisopropyl ether
Concen: 2.394 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

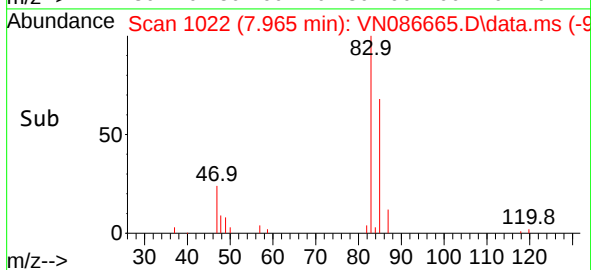
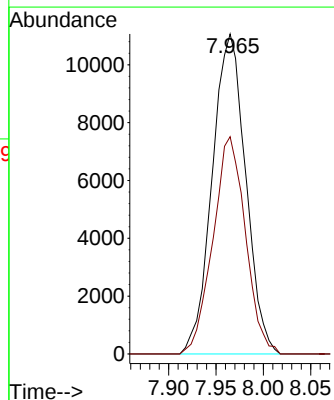
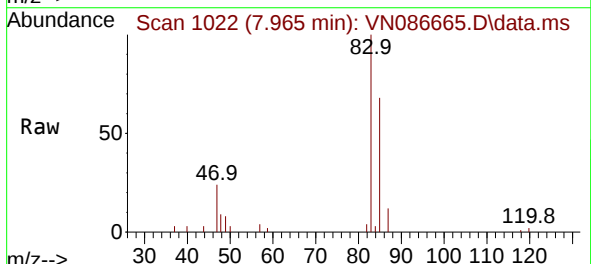
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

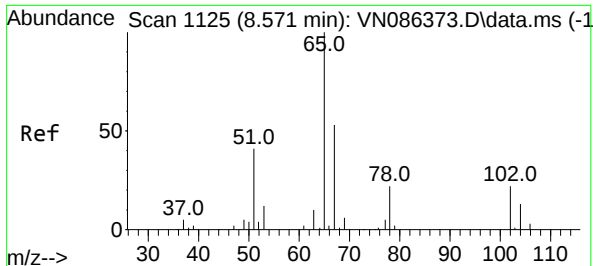
Tgt Ion:	45	Resp:	18400
Ion	Ratio	Lower	Upper
45	100		
43	55.4	38.8	58.2
87	28.8	23.5	35.3
59	12.6	10.0	15.0



#25
Chloroform
Concen: 6.382 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion:	83	Resp:	27177
Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.2

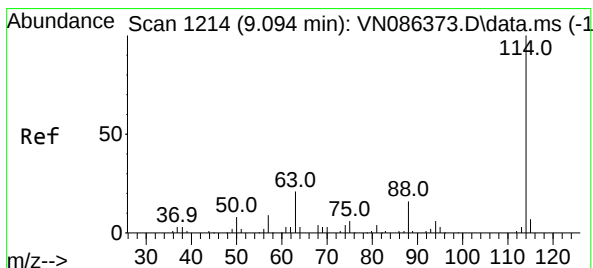
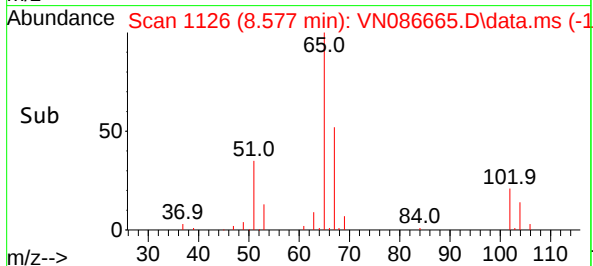
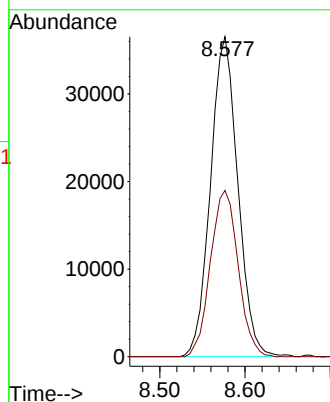
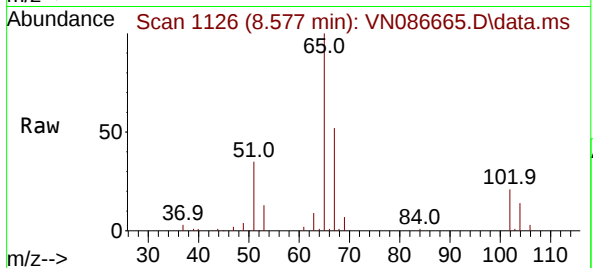




#27
 1,2-Dichloroethane-d4
 Concen: 29.136 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN086665.D
 Acq: 16 May 2025 13:54

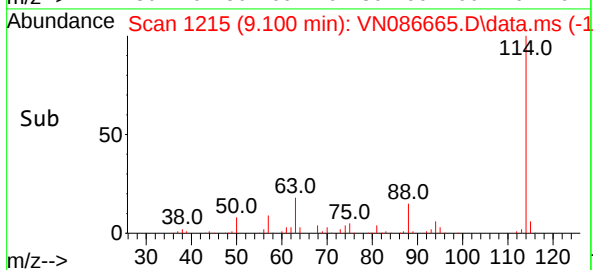
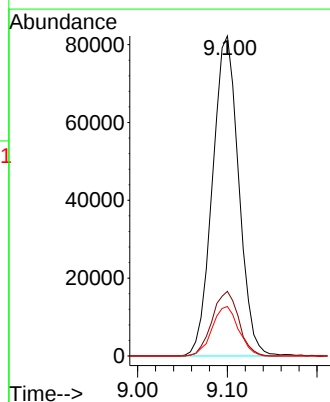
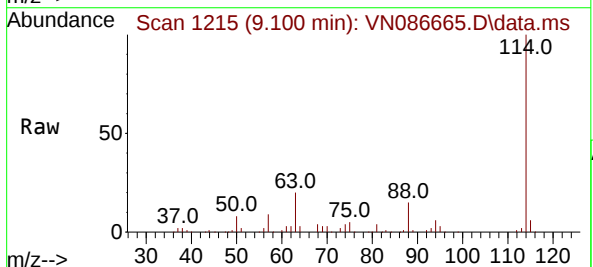
Instrument :
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 ClientSampleId :
 EFF-WW

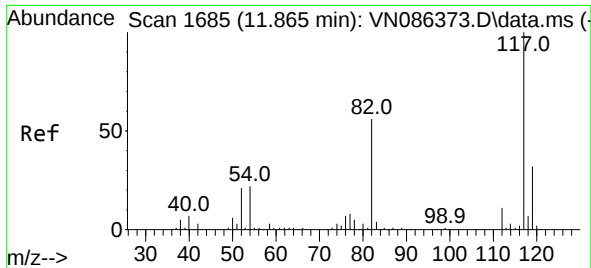
Tgt Ion: 65 Resp: 81412
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.5 63.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN086665.D
 Acq: 16 May 2025 13:54

Tgt Ion: 114 Resp: 166943
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.7 25.1
 88 15.6 12.6 19.0

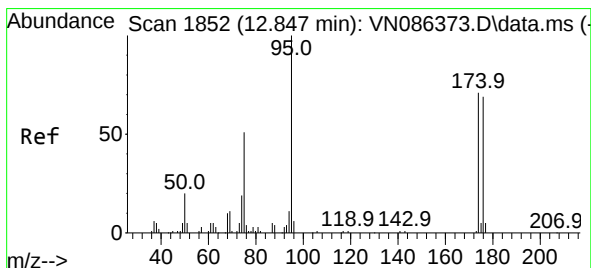
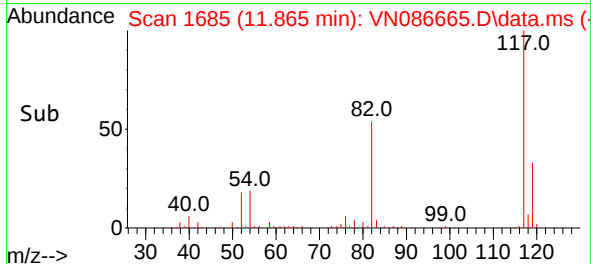
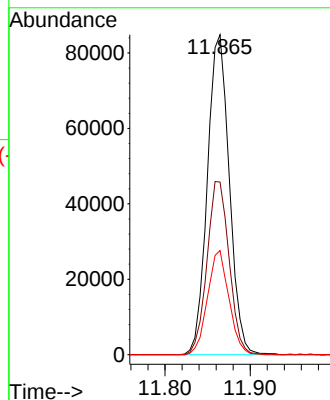
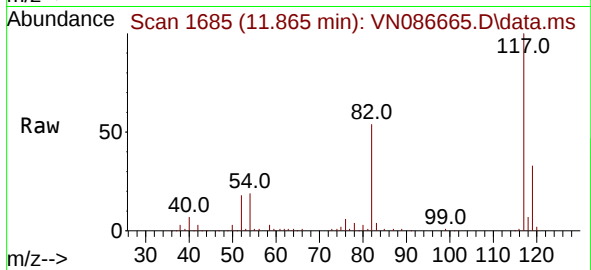




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

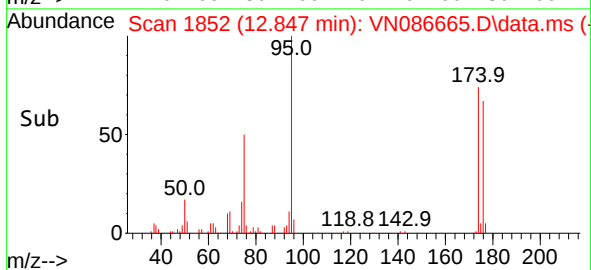
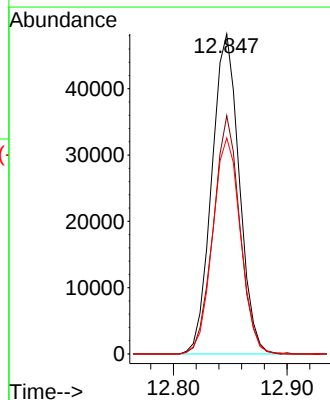
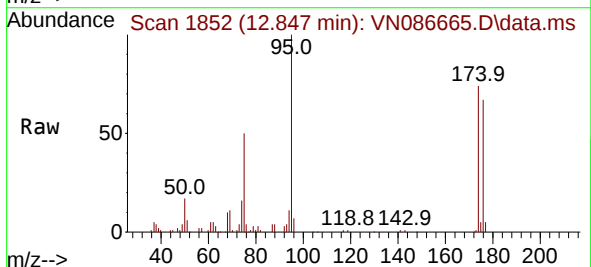
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

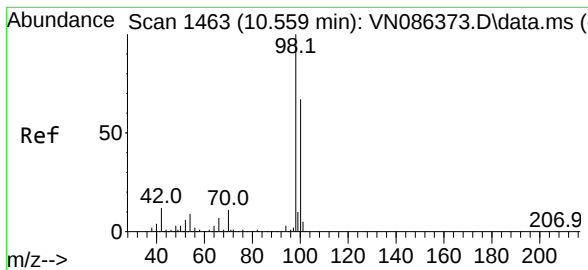
Tgt Ion:117 Resp: 151707
Ion Ratio Lower Upper
117 100
82 54.6 45.5 68.3
119 31.8 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 27.168 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion: 95 Resp: 81007
Ion Ratio Lower Upper
95 100
174 71.9 56.6 84.8
176 68.8 53.3 79.9





#63
 Toluene-d8
 Concen: 29.477 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. 0.006 min
 Lab File: VN086665.D
 Acq: 16 May 2025 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Tgt Ion: 98 Resp: 246017
 Ion Ratio Lower Upper
 98 100
 100 66.0 53.1 79.7

