

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087324.D
 Acq On : 10 Jul 2025 14:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 01:11:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

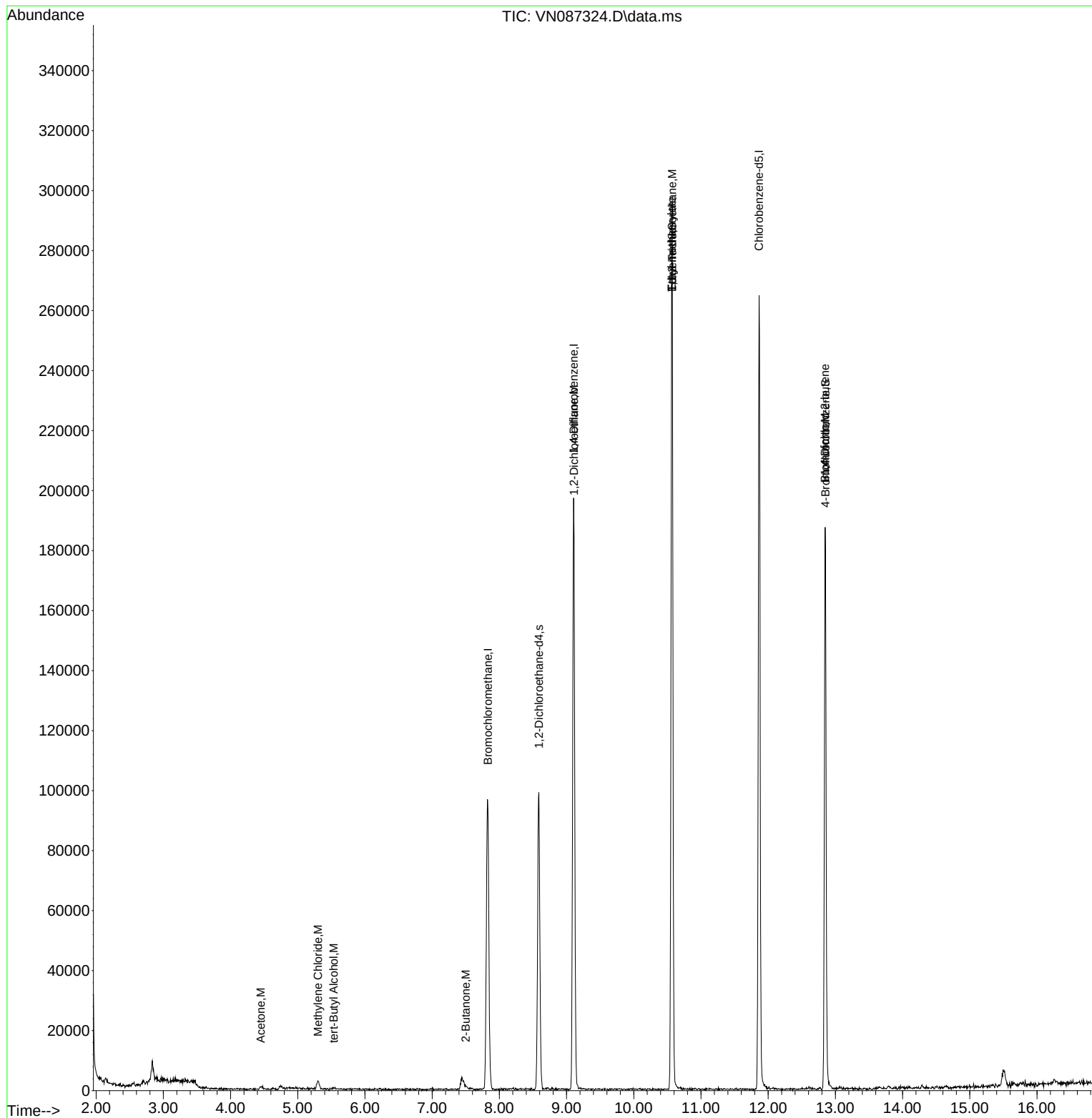
Internal Standards						
1) Bromochloromethane	7.830	128	39141	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	178901	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166627	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	84236	28.563	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.200%
60) 4-Bromofluorobenzene	12.853	95	71778	27.916	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.067%
63) Toluene-d8	10.571	98	211225	28.233	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.100%
Target Compounds						
					Qvalue	
15) Acetone	4.447	58	258	0.510	ug/l #	1
18) Methylene Chloride	5.300	84	1448	0.527	ug/l #	39
23) tert-Butyl Alcohol	5.536	59	558	0.855	ug/l #	100
30) 2-Butanone	7.500	43	839	0.446	ug/l #	90
36) 1,2-Dichloroethane	9.112	62	6007	2.105	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	7747	3.617	ug/l #	1
51) Ethyl methacrylate	10.565	69	744	0.228	ug/l #	72
56) Bromoform	12.847	173	341	0.221	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	35406	27.418	ug/l #	13

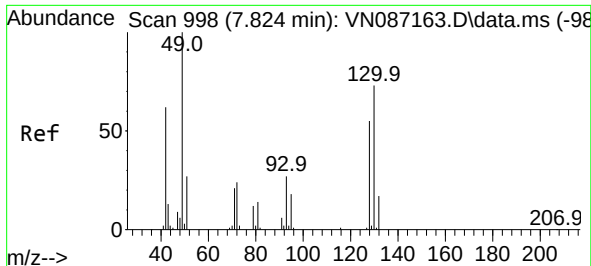
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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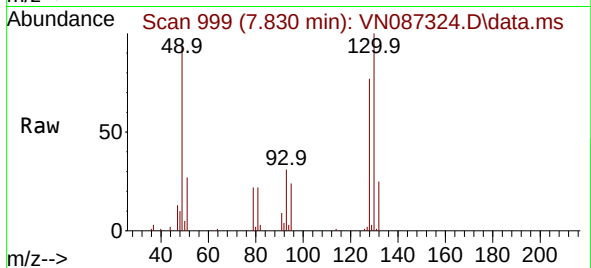
Quant Time: Jul 11 01:11:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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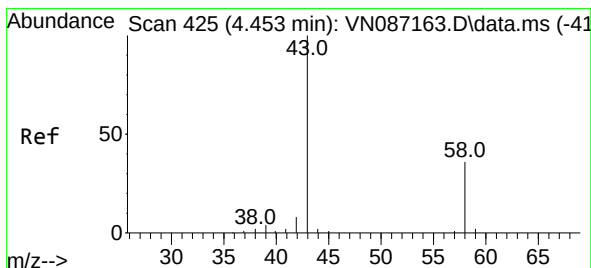
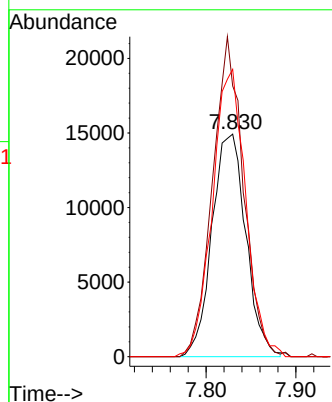
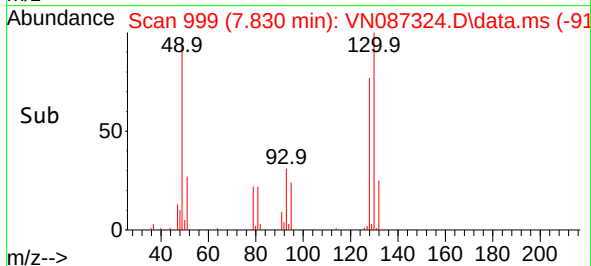


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :

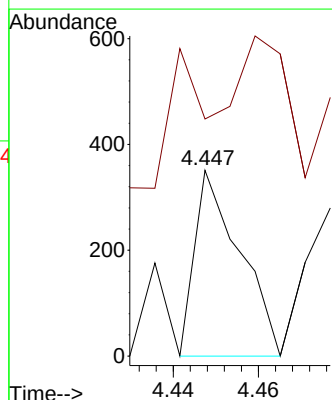
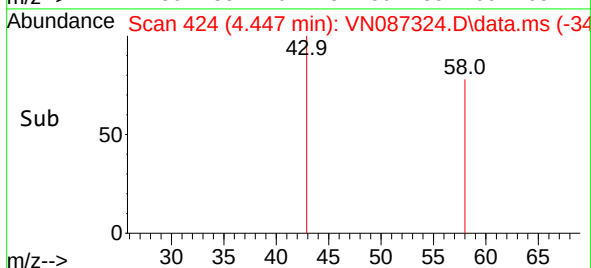
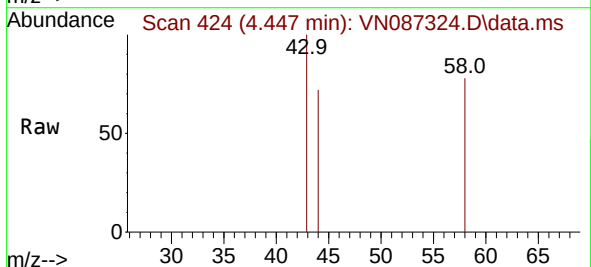


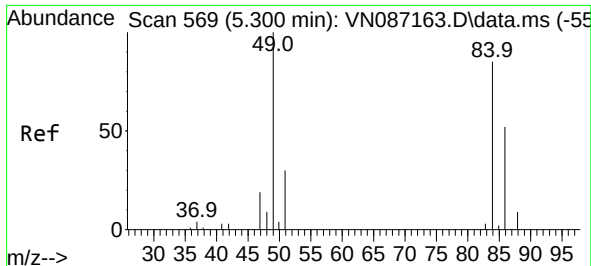
Tgt Ion:128 Resp: 39141
Ion Ratio Lower Upper
128 100
49 131.0 0.0 450.5
130 126.7 0.0 320.7



#15
Acetone
Concen: 0.510 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.006 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

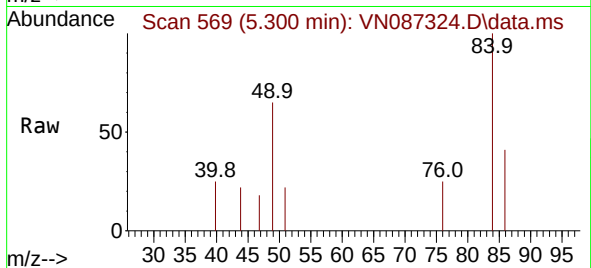
Tgt Ion: 58 Resp: 258
Ion Ratio Lower Upper
58 100
43 0.0 224.3 336.5#



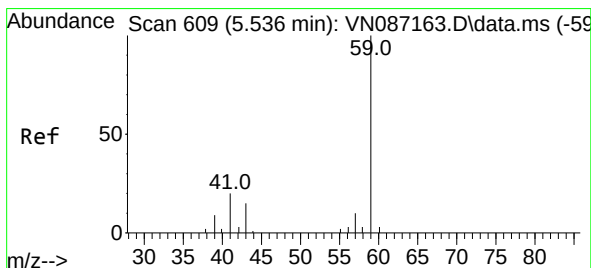
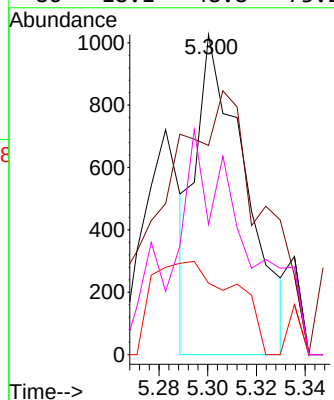


#18
Methylene Chloride
Concen: 0.527 ug/l
RT: 5.300 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :

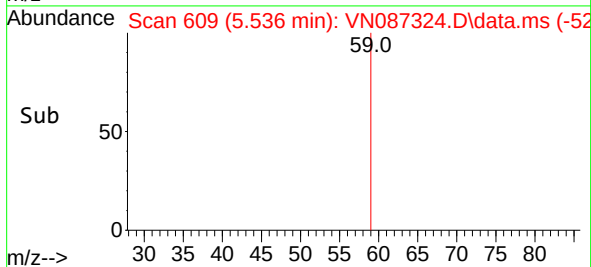
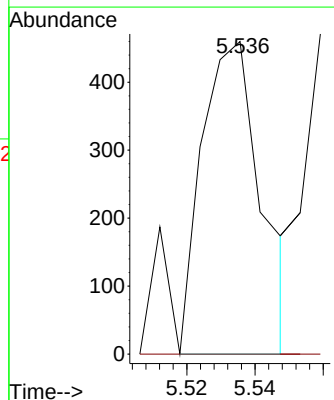
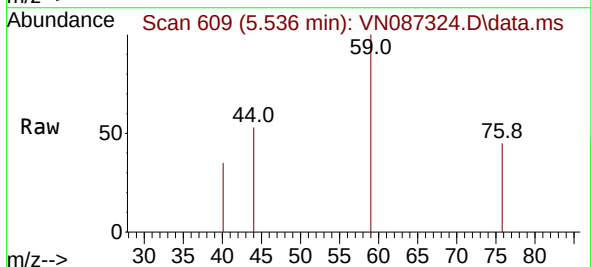


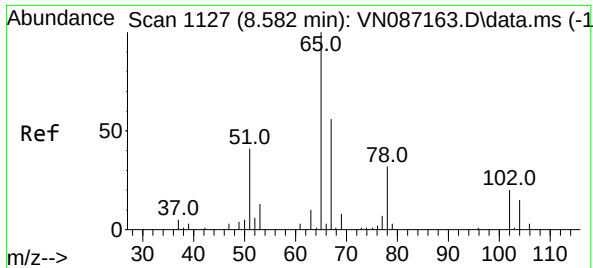
Tgt Ion:	84	Resp:	1448
Ion	Ratio	Lower	Upper
84	100		
49	30.6	94.0	141.0#
51	29.4	28.3	42.5
86	18.1	48.8	73.2#



#23
tert-Butyl Alcohol
Concen: 0.855 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

Tgt Ion:	59	Resp:	558
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

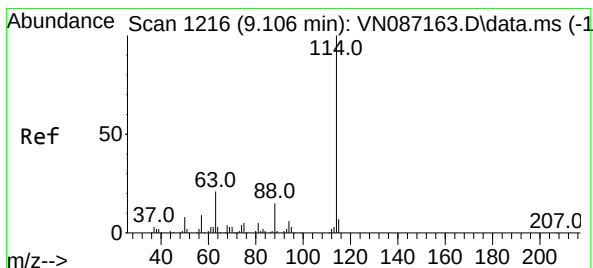
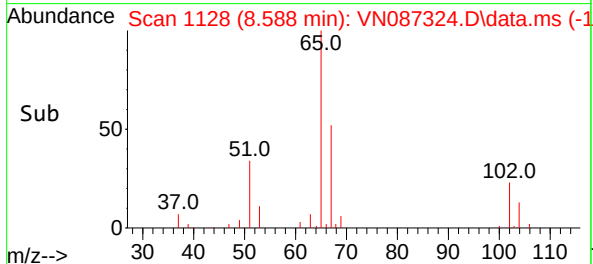
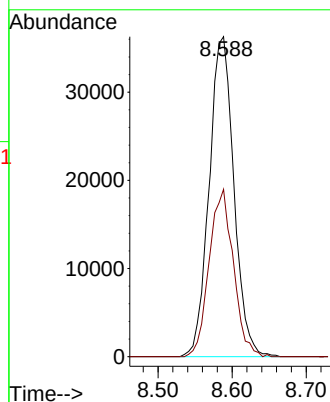
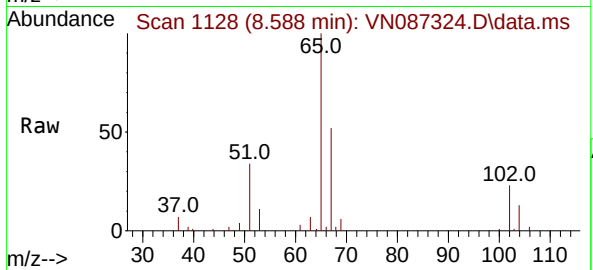




#27
 1,2-Dichloroethane-d4
 Concen: 28.563 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN087324.D
 Acq: 10 Jul 2025 14:31

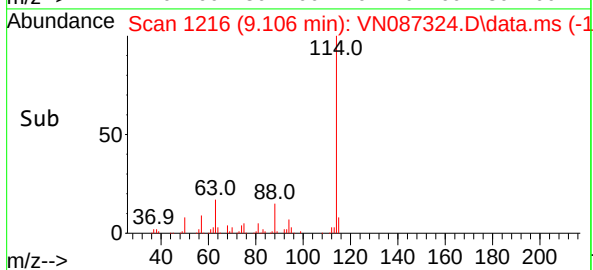
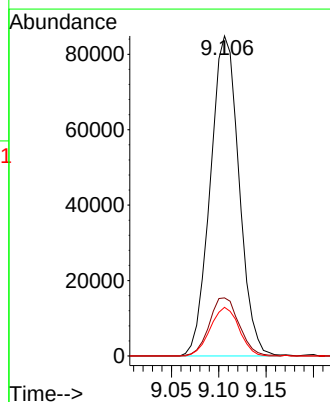
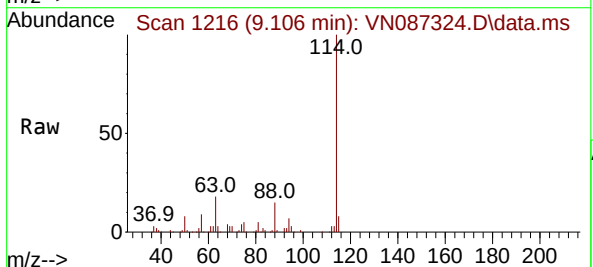
Instrument :
 MSVOA_N
 ClientSampleId :

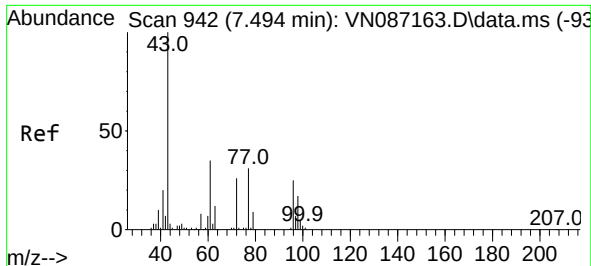
Tgt Ion: 65 Resp: 84236
 Ion Ratio Lower Upper
 65 100
 67 51.1 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN087324.D
 Acq: 10 Jul 2025 14:31

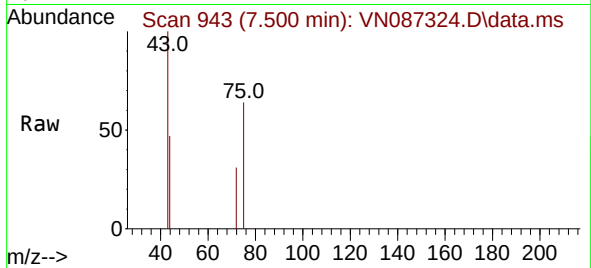
Tgt Ion: 114 Resp: 178901
 Ion Ratio Lower Upper
 114 100
 63 18.9 17.0 25.4
 88 15.2 12.6 19.0



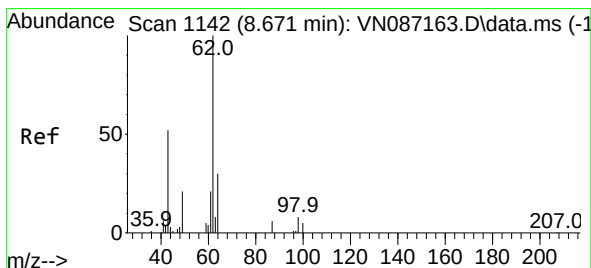
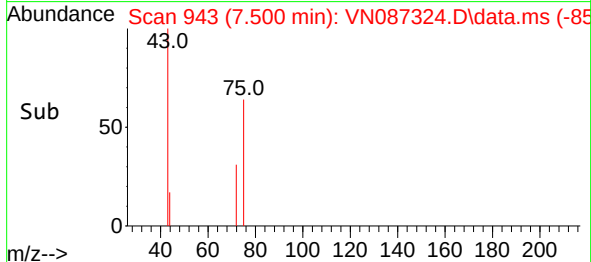
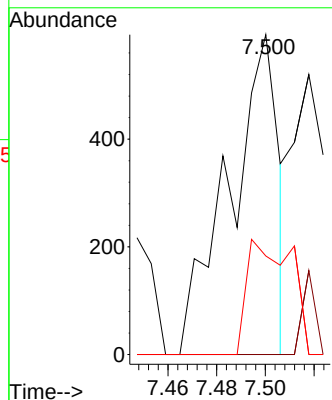


#30
2-Butanone
Concen: 0.446 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :

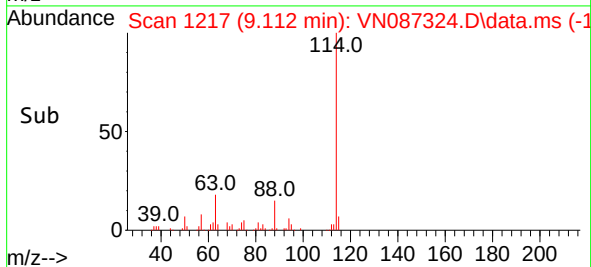
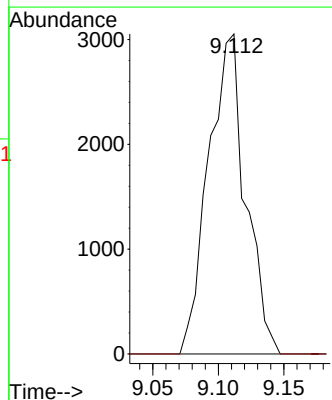
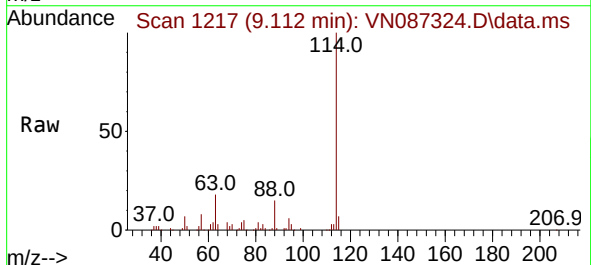


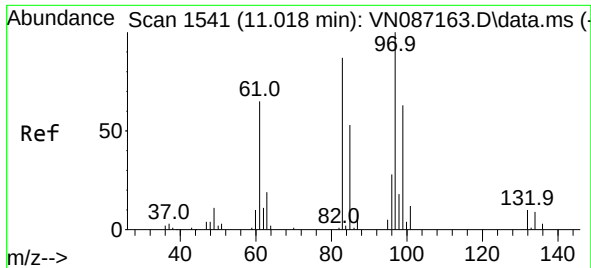
Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
57 0.0 6.3 9.5#
72 23.7 21.8 32.6



#36
1,2-Dichloroethane
Concen: 2.105 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.441 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

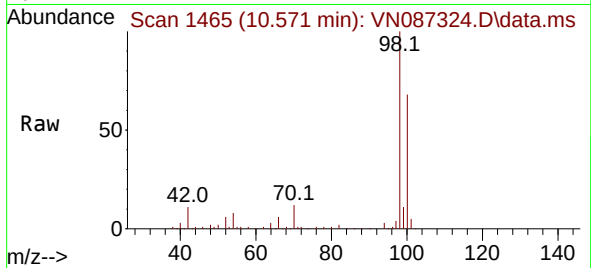
Tgt Ion: 62 Resp: 6007
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



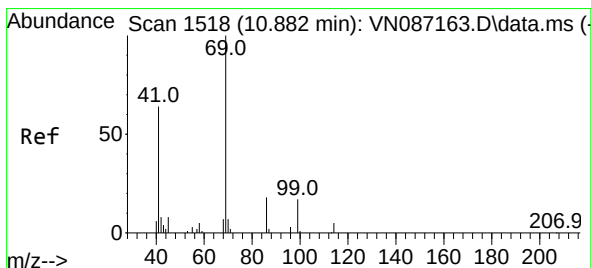
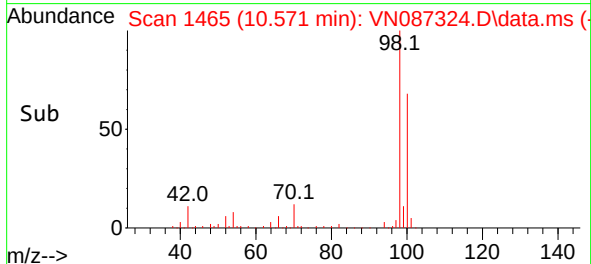
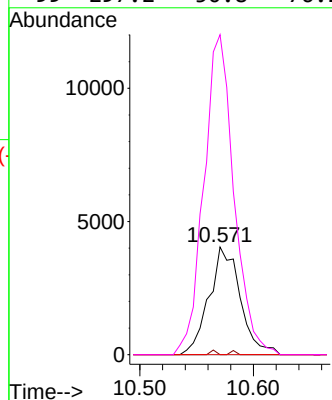


#50
1,1,2-Trichloroethane
Concen: 3.617 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

Instrument :
MSVOA_N
ClientSampleId :

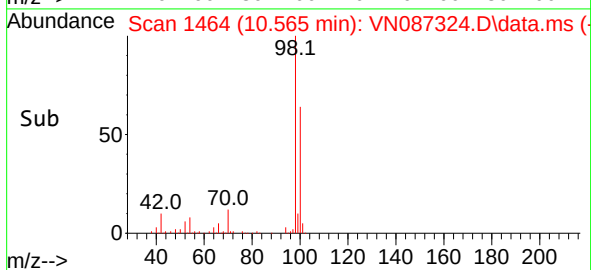
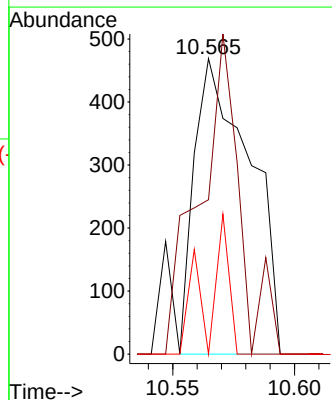
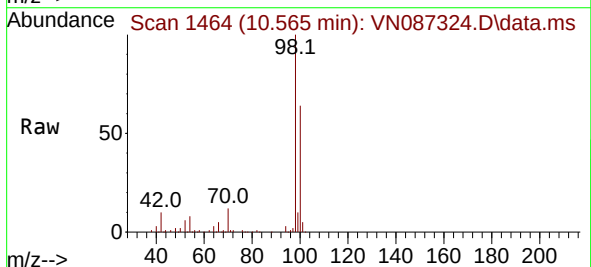


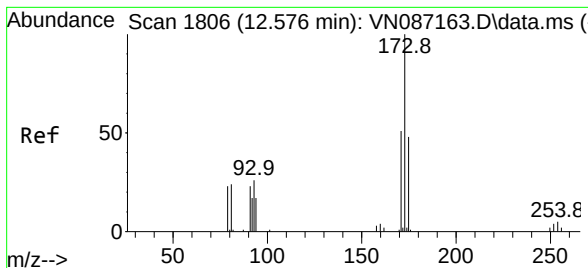
Tgt Ion:	97	Resp:	7747
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.6	104.4#
85	0.0	42.0	63.0#
99	297.2	50.8	76.2#



#51
Ethyl methacrylate
Concen: 0.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.318 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

Tgt Ion:	69	Resp:	744
Ion	Ratio	Lower	Upper
69	100		
41	52.2	31.8	95.3
39	0.0	15.3	45.8#





#56

Bromoform

Concen: 0.221 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

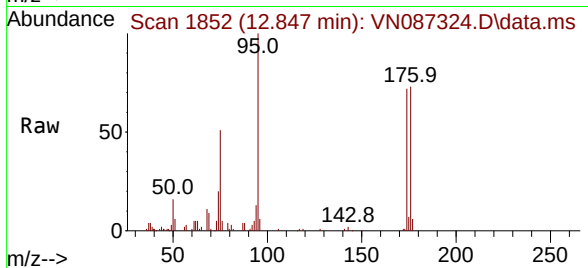
Lab File: VN087324.D

Acq: 10 Jul 2025 14:31

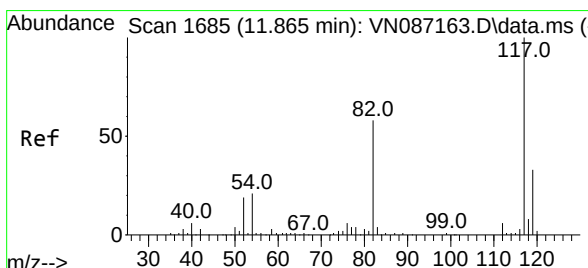
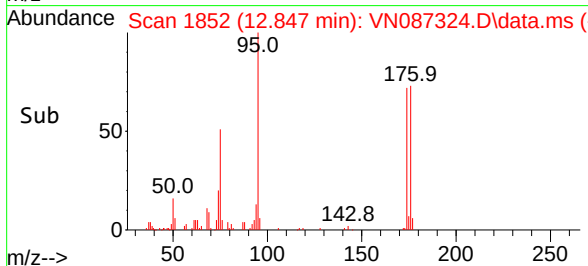
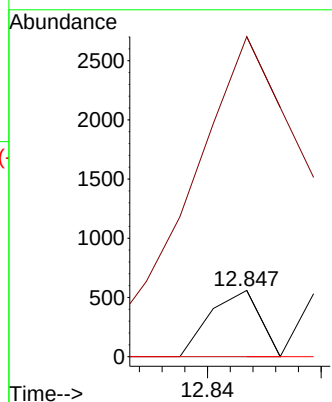
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	341
Ion Ratio	Lower	Upper	
173	100		
175	1272.1	38.7	58.1#
254	0.0	4.2	6.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

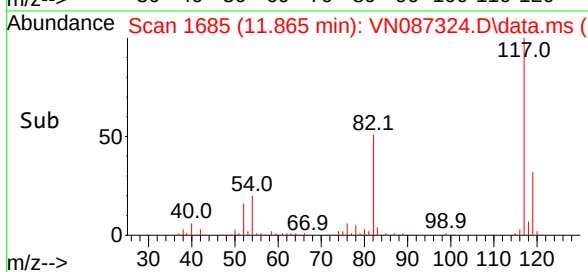
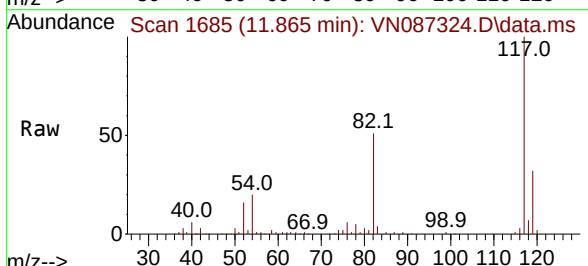
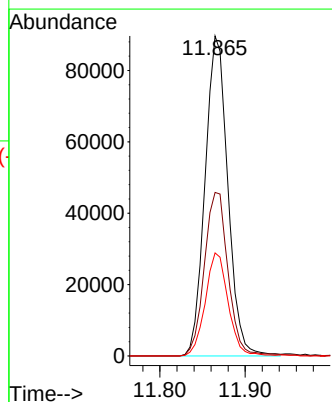
RT: 11.865 min Scan# 1685

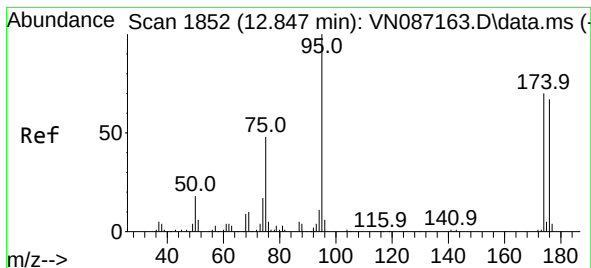
Delta R.T. -0.000 min

Lab File: VN087324.D

Acq: 10 Jul 2025 14:31

Tgt Ion:	117	Resp:	166627
Ion Ratio	Lower	Upper	
117	100		
82	53.4	45.4	68.2
119	32.2	26.2	39.4

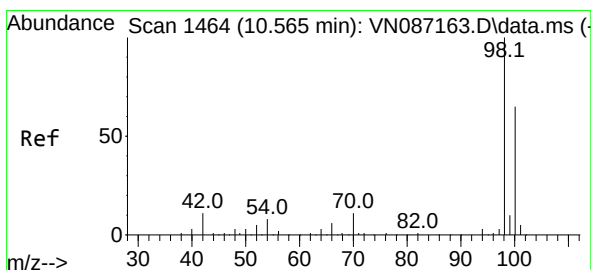
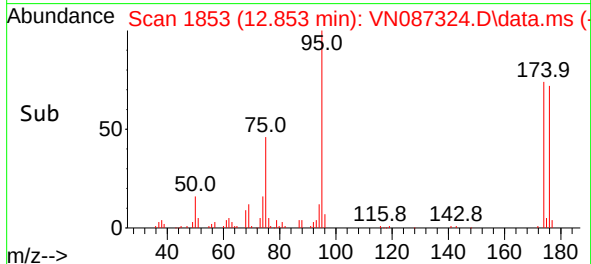
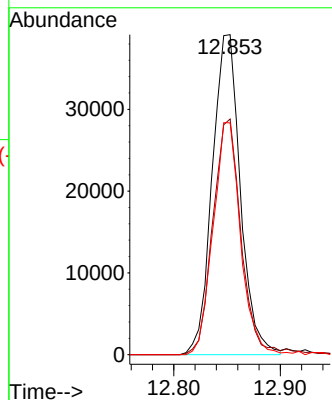
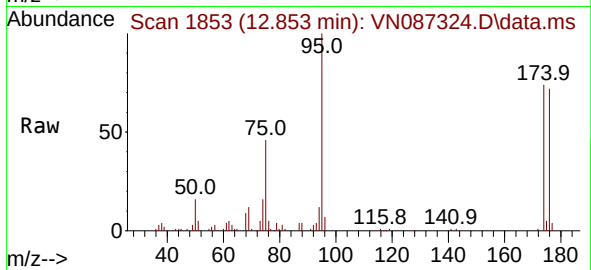




#60
4-Bromofluorobenzene
Concen: 27.916 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

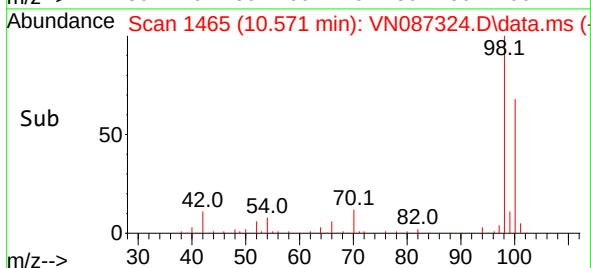
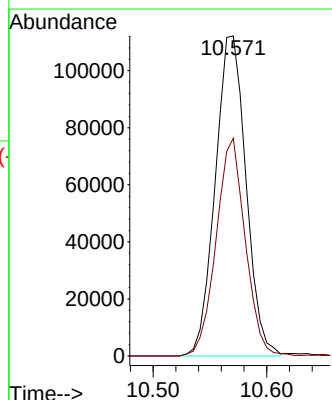
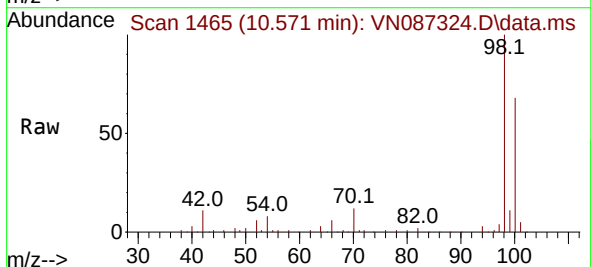
Instrument :
MSVOA_N
ClientSampleId :

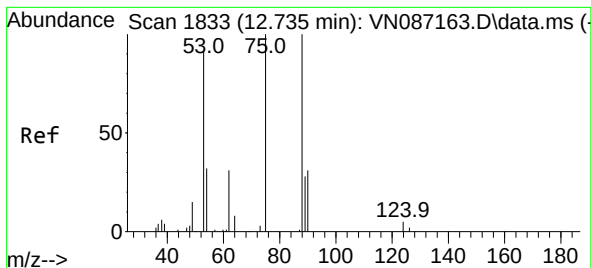
Tgt Ion: 95 Resp: 71778
Ion Ratio Lower Upper
95 100
174 73.1 54.5 81.7
176 70.6 51.9 77.9



#63
Toluene-d8
Concen: 28.233 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087324.D
Acq: 10 Jul 2025 14:31

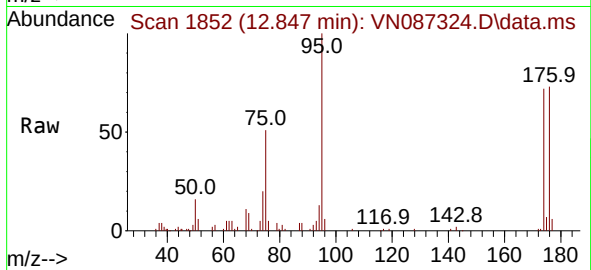
Tgt Ion: 98 Resp: 211225
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 27.418 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087324.D
 Acq: 10 Jul 2025 14:31

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 35406
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.6#
 89 0.0 22.3 66.9#

