

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087365.D
 Acq On : 18 Jul 2025 14:41
 Operator : JC\MD
 Sample : Q2594-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CC-071325-RW

Quant Time: Jul 18 23:20:52 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)

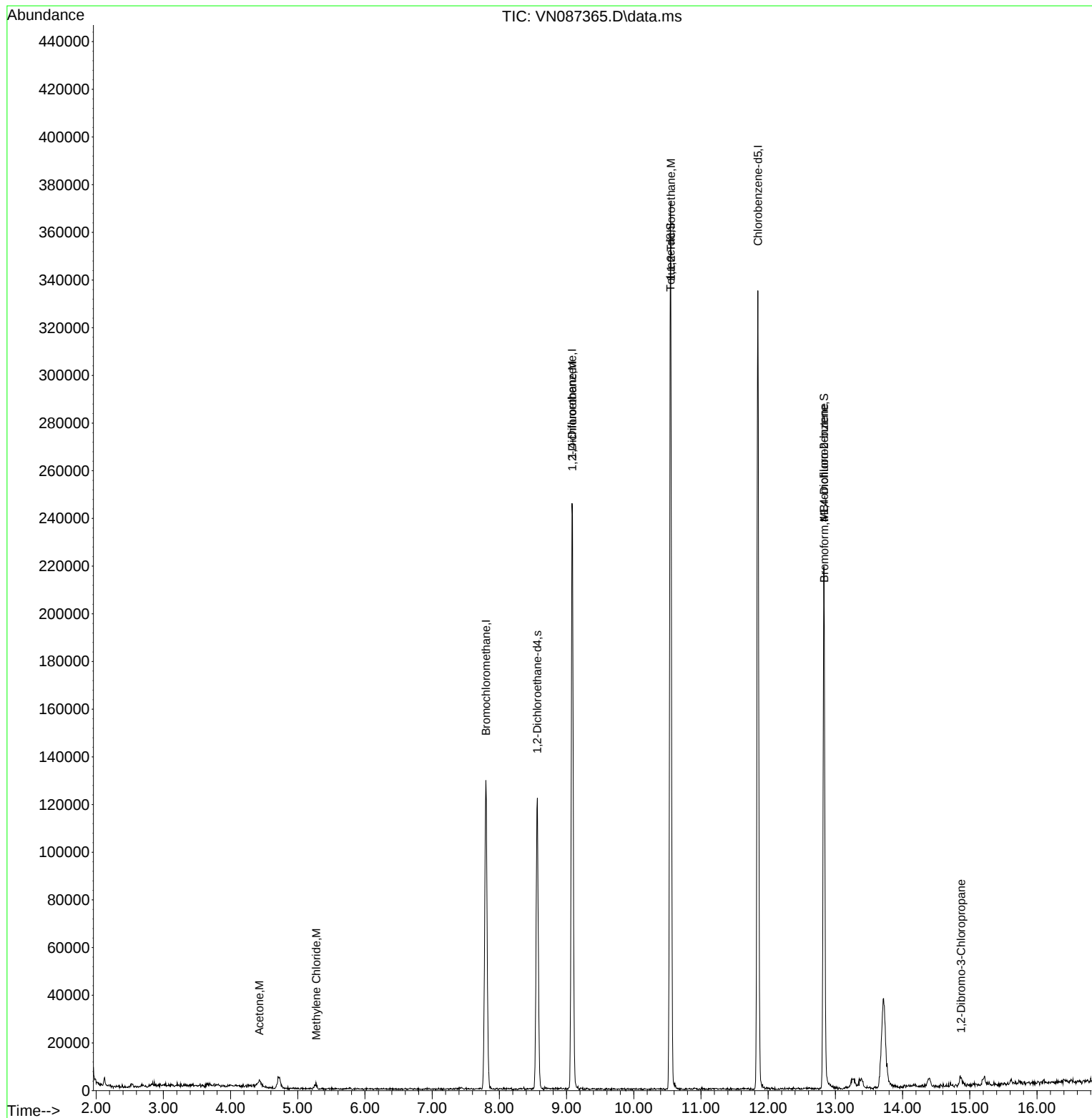
Internal Standards						
1) Bromochloromethane	7.800	128	45269	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	203093	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	184441	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	101794	29.845	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.467%
60) 4-Bromofluorobenzene	12.829	95	79048	27.774	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.567%
63) Toluene-d8	10.547	98	241972	29.219	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.400%
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	925	1.581	ug/l #	33
18) Methylene Chloride	5.277	84	1270	0.400	ug/l #	47
36) 1,2-Dichloroethane	9.088	62	7450	2.299	ug/l #	75
50) 1,1,2-Trichloroethane	10.553	97	8808	3.623	ug/l #	1
56) Bromoform	12.835	173	715	0.408	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	43781	30.629	ug/l #	13
88) 1,2-Dibromo-3-Chloropr...	14.870	75	328	0.390	ug/l #	6

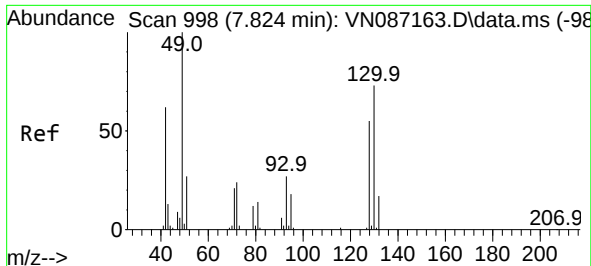
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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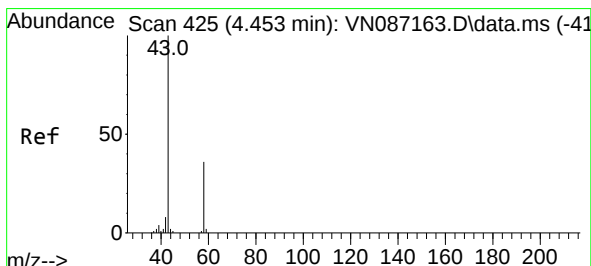
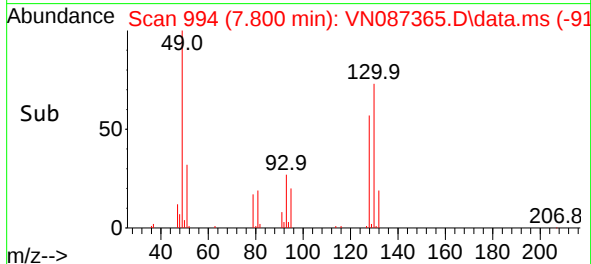
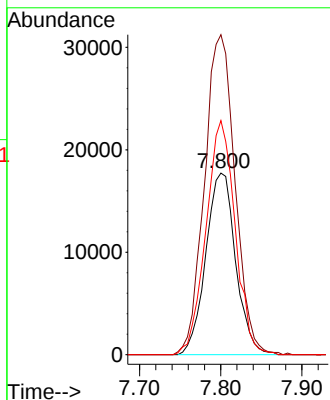
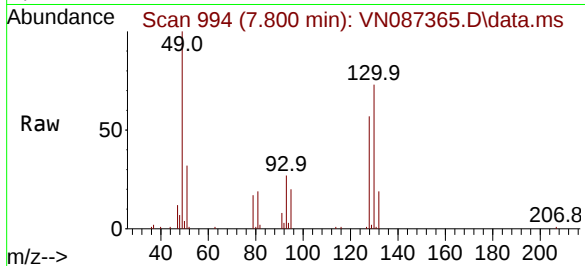




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 998
Delta R.T. -0.024 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

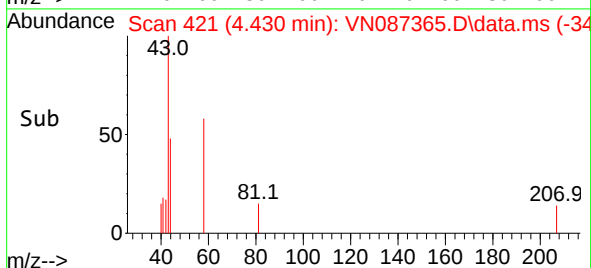
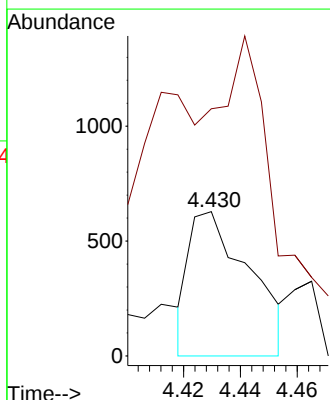
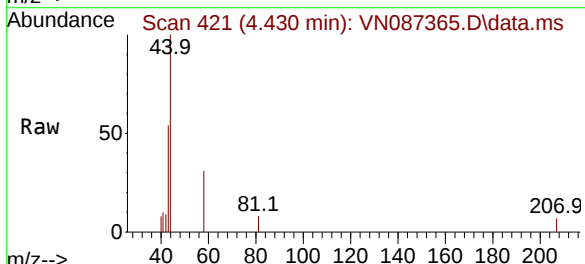
Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

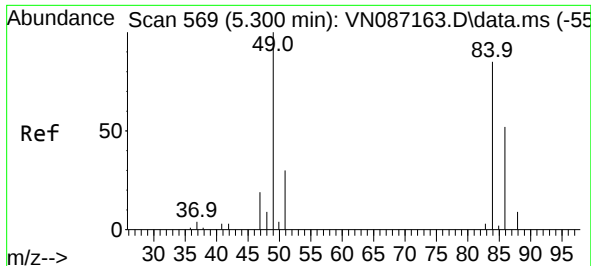
Tgt Ion:128 Resp: 45269
Ion Ratio Lower Upper
128 100
49 180.3 0.0 450.5
130 126.1 0.0 320.7



#15
Acetone
Concen: 1.581 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.024 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

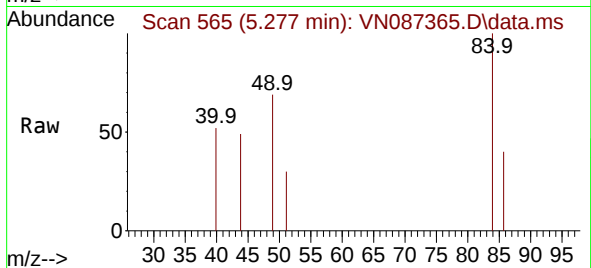
Tgt Ion: 58 Resp: 925
Ion Ratio Lower Upper
58 100
43 154.1 224.3 336.5#



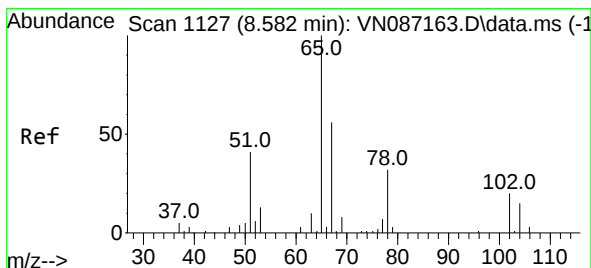
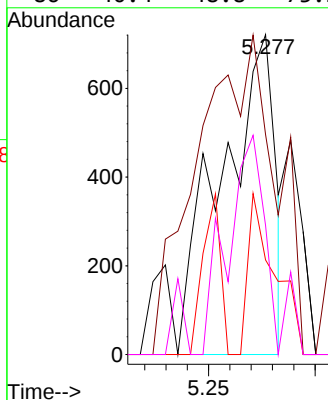
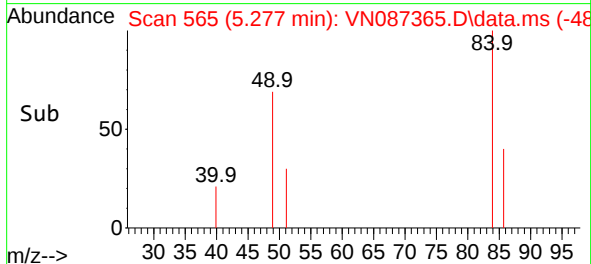


#18
Methylene Chloride
Concen: 0.400 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Instrument :
MSVOA_N
ClientSampleId :
CC-071325-RW

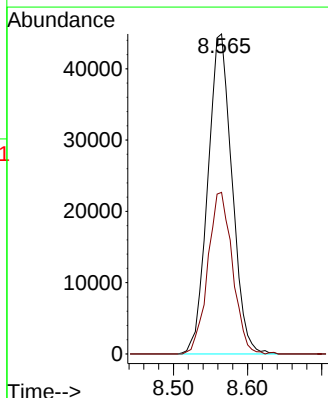
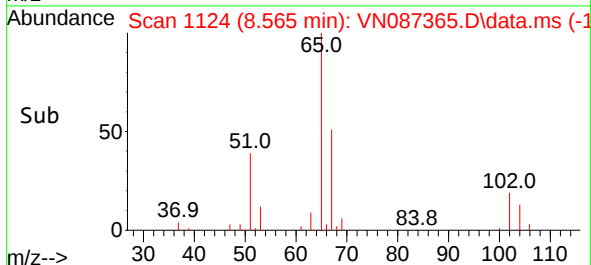
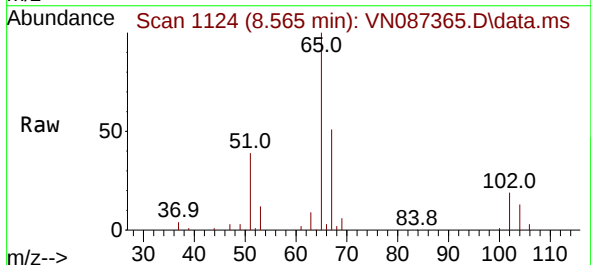


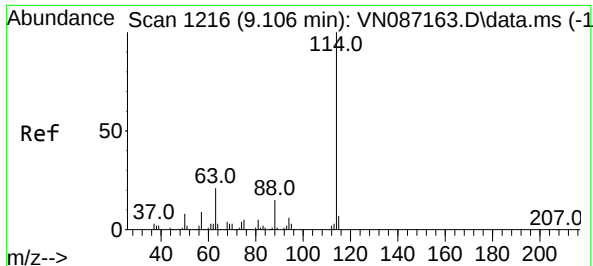
Tgt Ion: 84 Resp: 1270
Ion Ratio Lower Upper
84 100
49 30.2 94.0 141.0#
51 29.5 28.3 42.5
86 40.4 48.8 73.2#



#27
1,2-Dichloroethane-d4
Concen: 29.845 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion: 65 Resp: 101794
Ion Ratio Lower Upper
65 100
67 51.4 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN087365.D

Acq: 18 Jul 2025 14:41

Instrument :

MSVOA_N

ClientSampleId :

CC-071325-RW

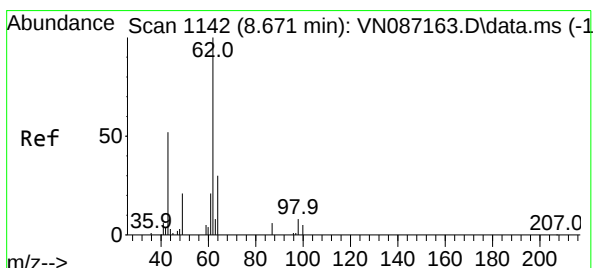
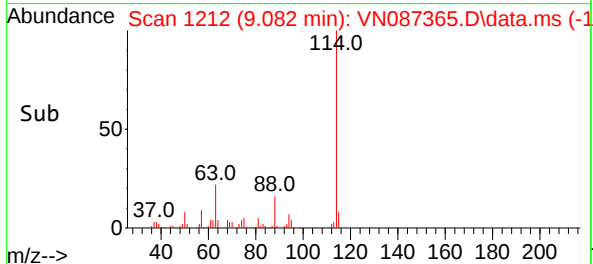
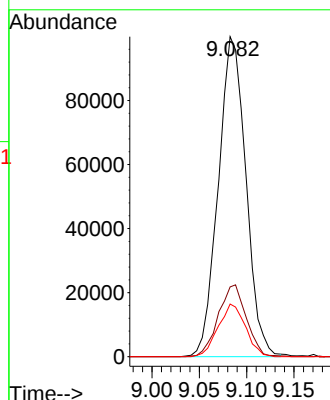
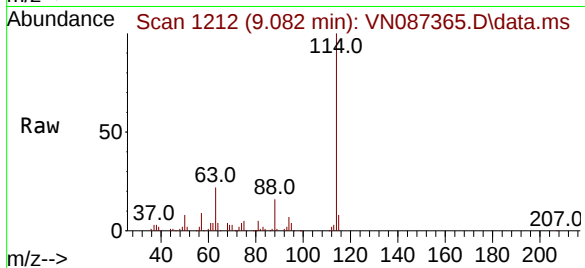
Tgt Ion:114 Resp: 203093

Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 16.2 12.6 19.0



#36

1,2-Dichloroethane

Concen: 2.299 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.418 min

Lab File: VN087365.D

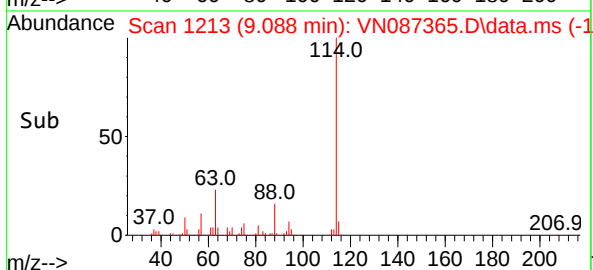
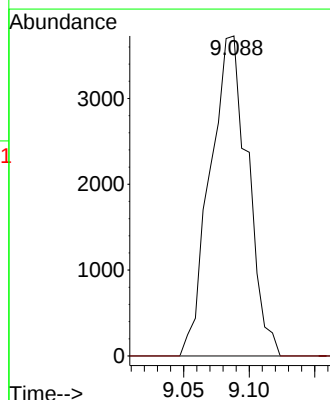
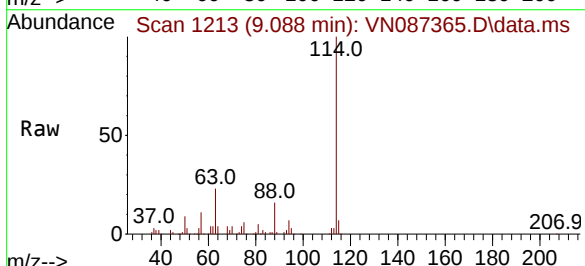
Acq: 18 Jul 2025 14:41

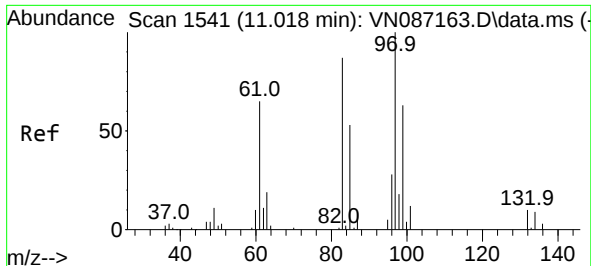
Tgt Ion: 62 Resp: 7450

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

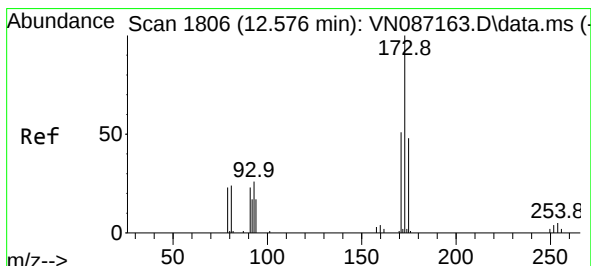
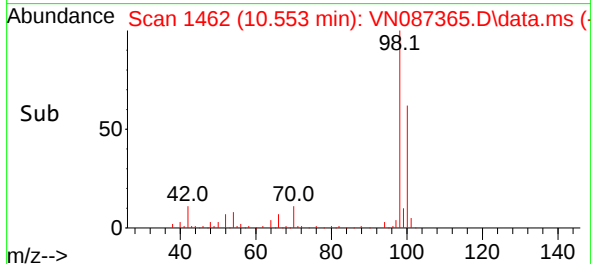
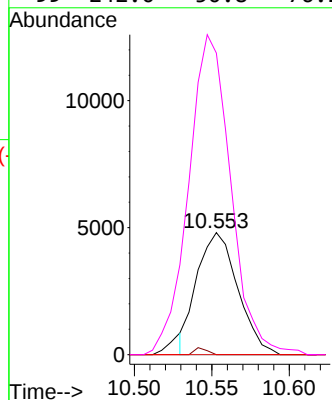
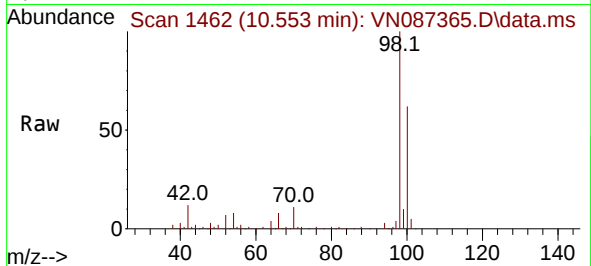




#50
1,1,2-Trichloroethane
Concen: 3.623 ug/l
RT: 10.553 min Scan# 14
Delta R.T. -0.465 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

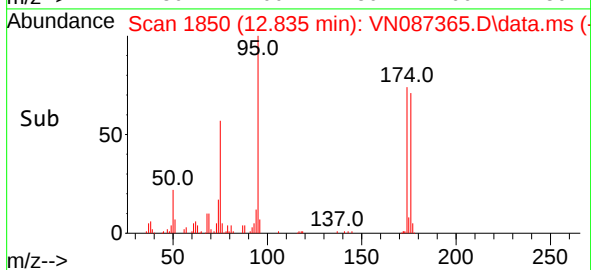
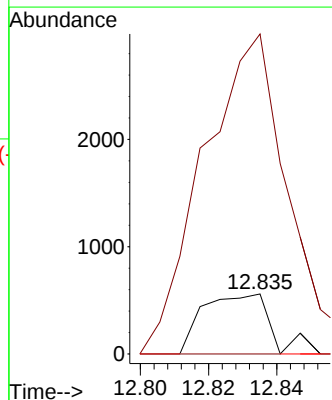
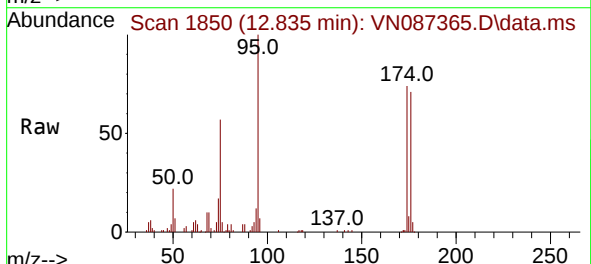
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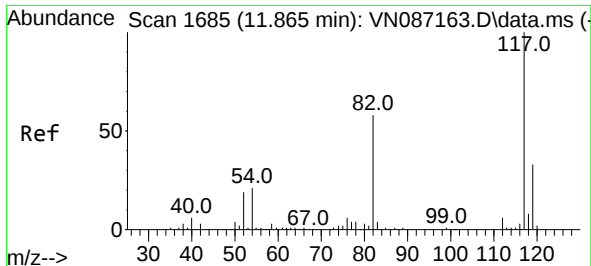
Tgt Ion: 97 Resp: 8808
Ion Ratio Lower Upper
97 100
83 0.0 69.6 104.4#
85 0.0 42.0 63.0#
99 242.0 50.8 76.2#



#56
Bromoform
Concen: 0.408 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion:173 Resp: 715
Ion Ratio Lower Upper
173 100
175 713.7 38.7 58.1#
254 0.0 4.2 6.4#

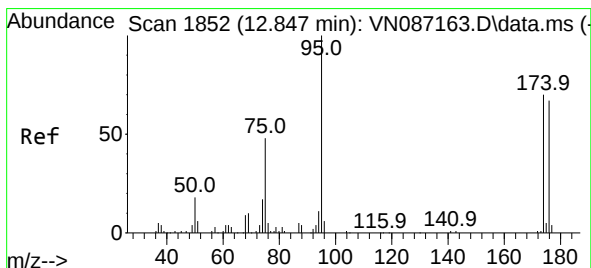
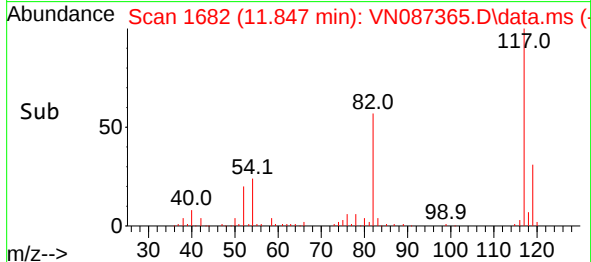
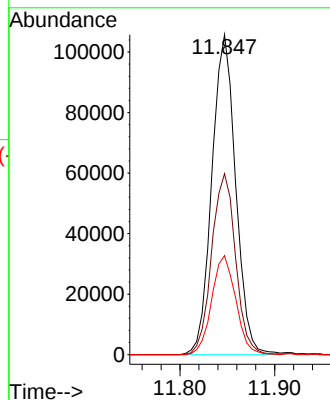
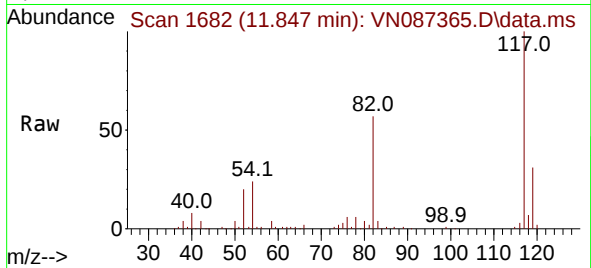




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

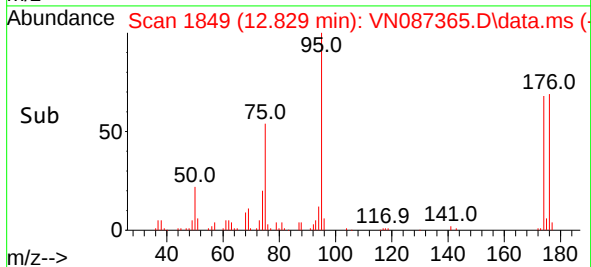
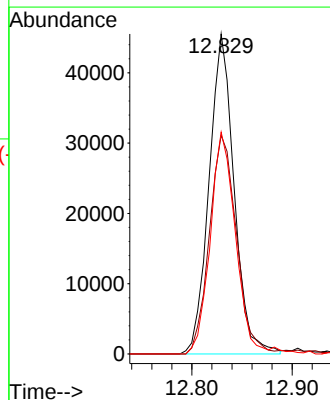
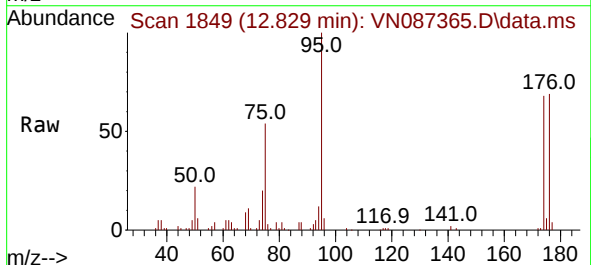
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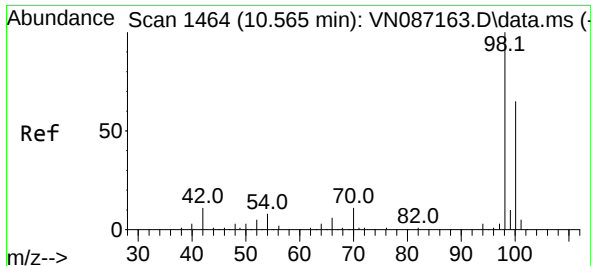
Tgt Ion:117 Resp: 184441
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 31.3 26.2 39.4



#60
4-Bromofluorobenzene
Concen: 27.774 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

Tgt Ion: 95 Resp: 79048
Ion Ratio Lower Upper
95 100
174 73.7 54.5 81.7
176 69.3 51.9 77.9

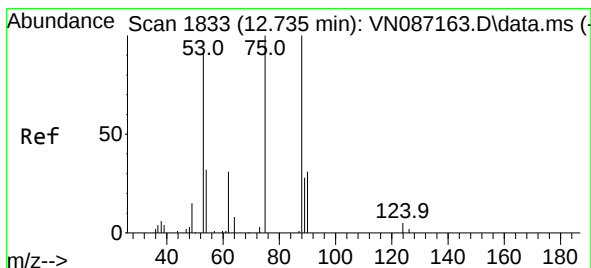
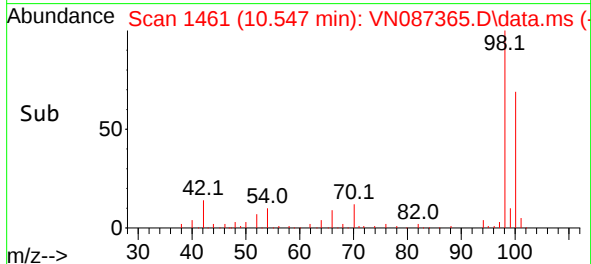
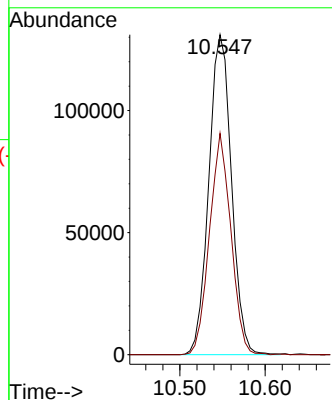
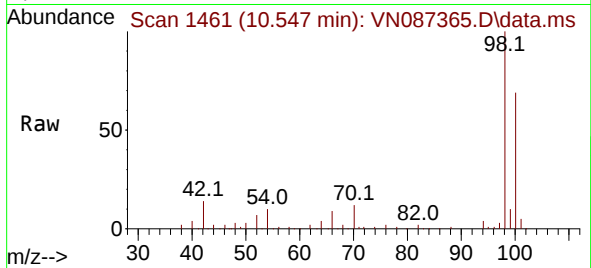




#63
Toluene-d8
Concen: 29.219 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

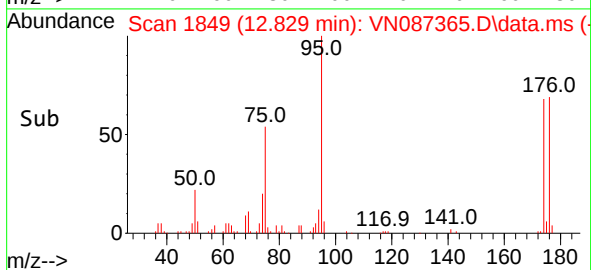
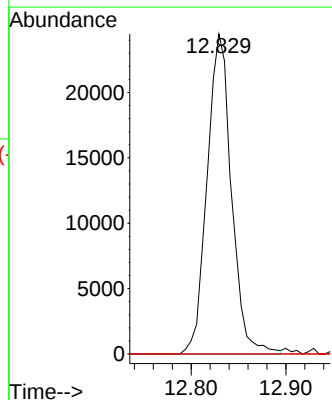
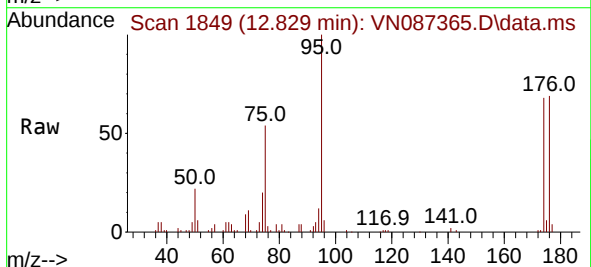
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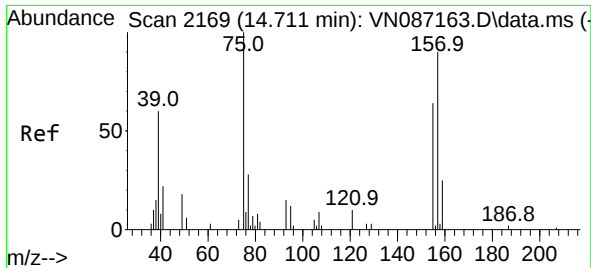
Tgt Ion: 98 Resp: 241972
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#77
t-1,4-Dichloro-2-butene
Concen: 30.629 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.094 min
Lab File: VN087365.D
Acq: 18 Jul 2025 14:41

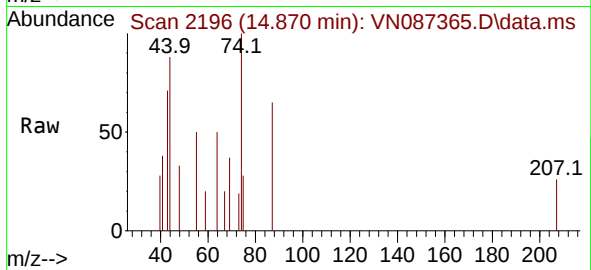
Tgt Ion: 75 Resp: 43781
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#





#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.390 ug/l
 RT: 14.870 min Scan# 21
 Delta R.T. 0.159 min
 Lab File: VN087365.D
 Acq: 18 Jul 2025 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 CC-071325-RW



Tgt Ion: 75 Resp: 328
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.3 87.5#
 157 0.0 79.2 118.8#

