

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087717.D
 Acq On : 04 Sep 2025 12:59
 Operator : JC\MD
 Sample : VN0904WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 05 02:19:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

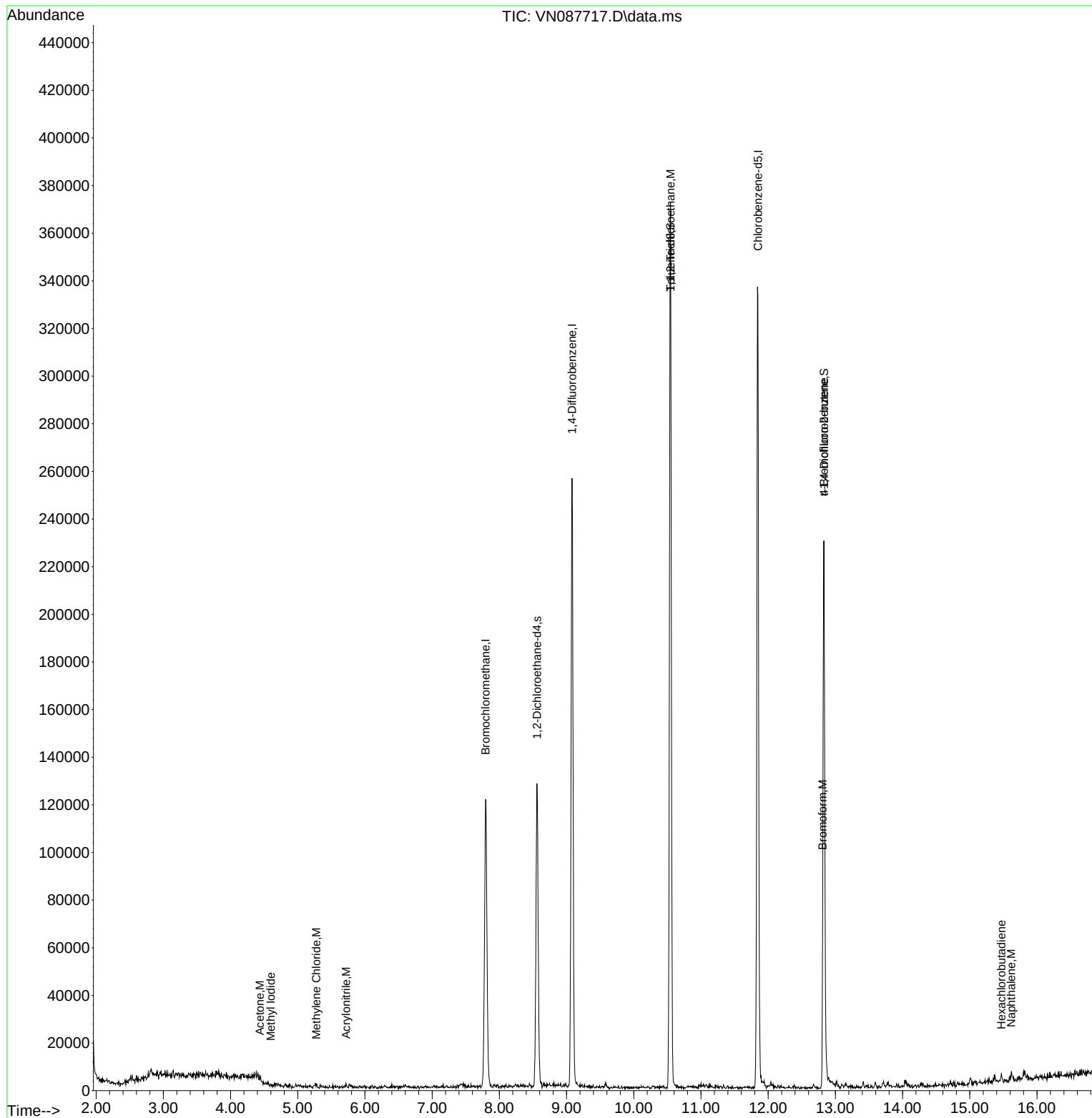
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

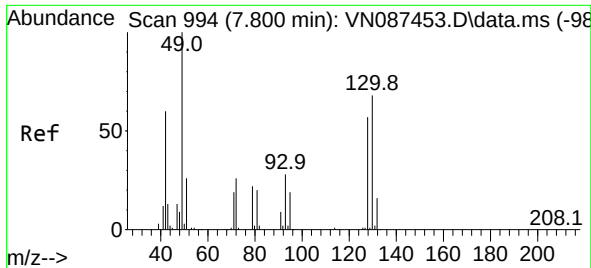
Internal Standards						
1) Bromochloromethane	7.794	128	37882	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	207176	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	183441	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	106627	30.517	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.733%
60) 4-Bromofluorobenzene	12.829	95	81770	25.902	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.333%
63) Toluene-d8	10.547	98	253748	30.063	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.200%
Target Compounds						
					Qvalue	
11) Methyl Iodide	4.600	142	346	0.212	ug/l #	39
14) Acrylonitrile	5.718	53	371	0.222	ug/l #	68
15) Acetone	4.436	58	224	0.469	ug/l #	1
18) Methylene Chloride	5.277	84	838	0.314	ug/l #	37
50) 1,1,2-Trichloroethane	10.547	97	9538	3.679	ug/l #	1
56) Bromoform	12.812	173	672	0.339	ug/l #	34
77) t-1,4-Dichloro-2-butene	12.829	75	48326	34.545	ug/l #	3
90) Hexachlorobutadiene	15.470	225	592	0.522	ug/l #	45
91) Naphthalene	15.617	128	3199	0.288	ug/l #	76

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

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Acq On : 04 Sep 2025 12:59
Operator : JC\MD
Sample : VN0904WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

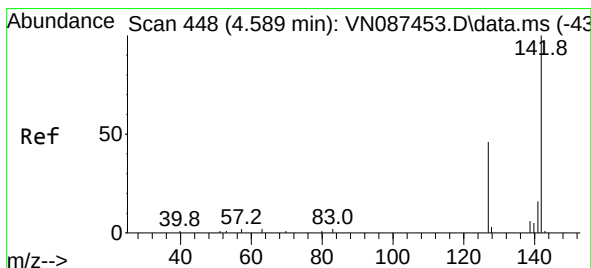
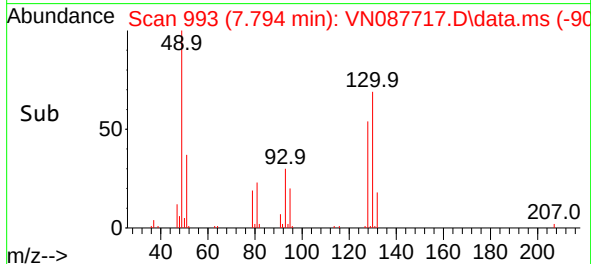
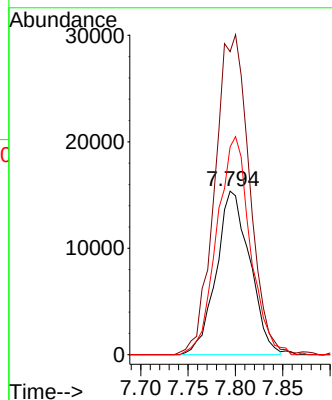
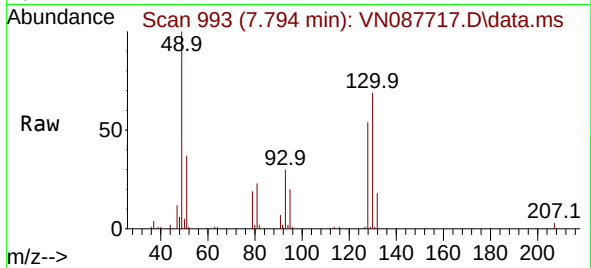
Quant Time: Sep 05 02:19:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
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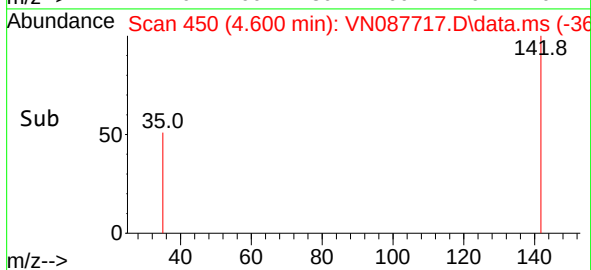
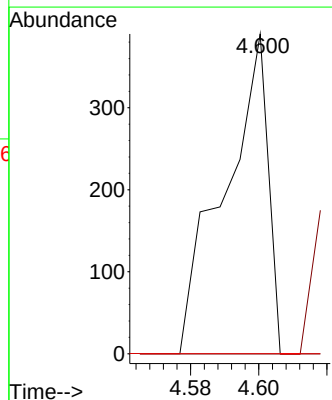
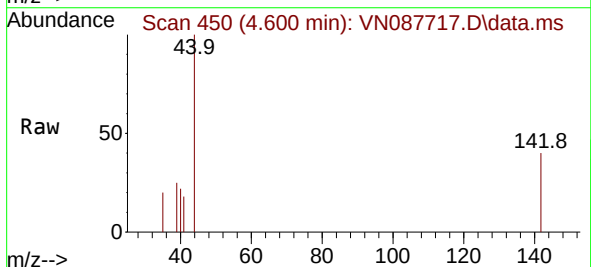
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. -0.006 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

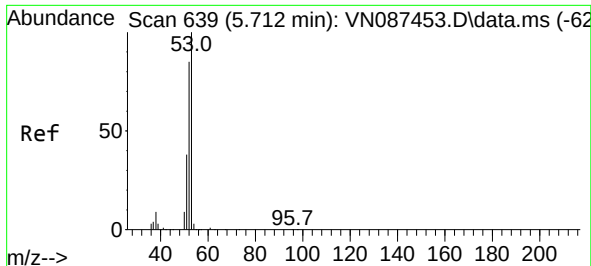
Tgt Ion:128 Resp: 37882
Ion Ratio Lower Upper
128 100
49 202.5 0.0 494.8
130 131.9 0.0 321.5



#11
Methyl Iodide
Concen: 0.212 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

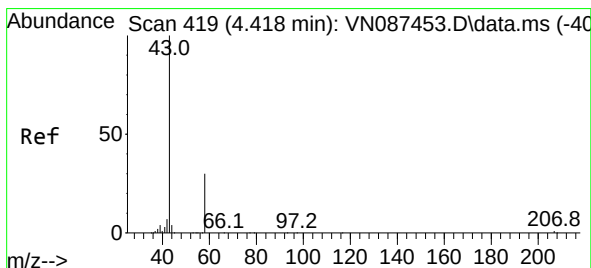
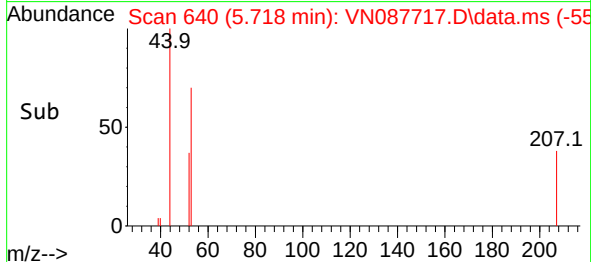
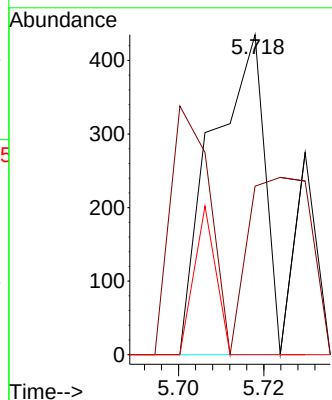
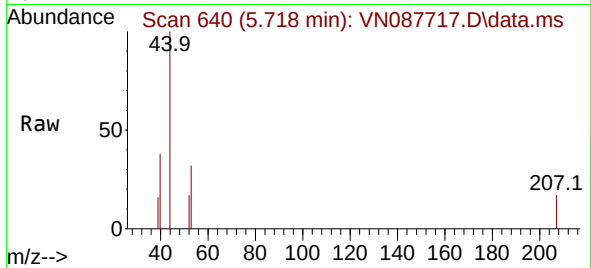
Tgt Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 0.0 22.9 68.7#
141 0.0 7.7 23.1#





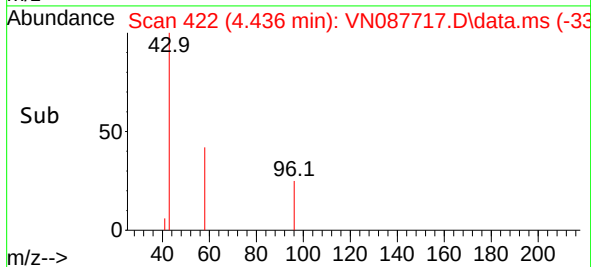
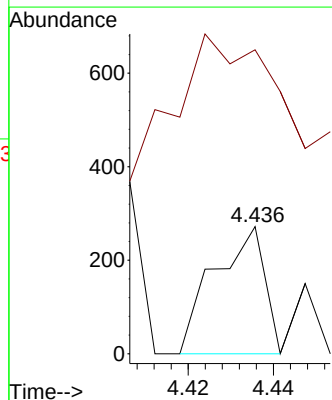
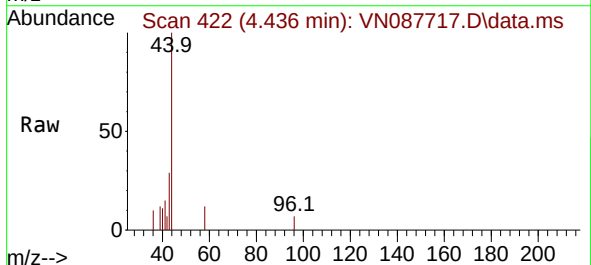
#14
Acrylonitrile
Concen: 0.222 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

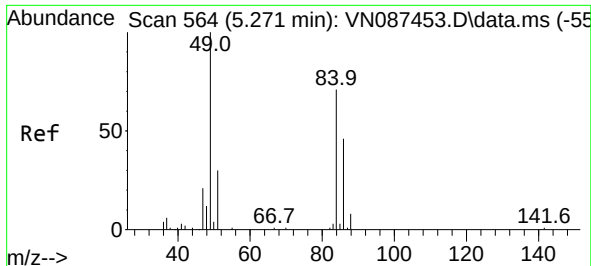
Tgt Ion: 53 Resp: 371
Ion Ratio Lower Upper
53 100
52 67.1 42.4 127.2
51 0.0 18.5 55.5#



#15
Acetone
Concen: 0.469 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

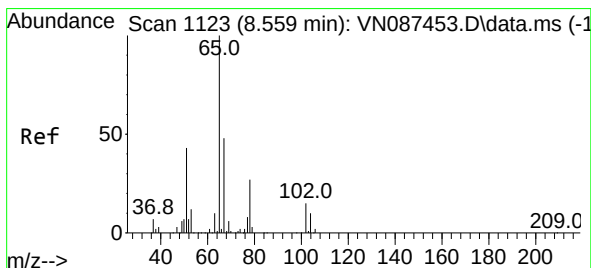
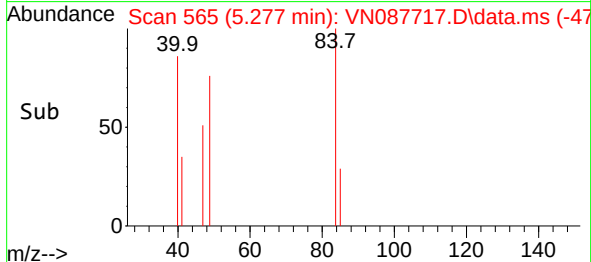
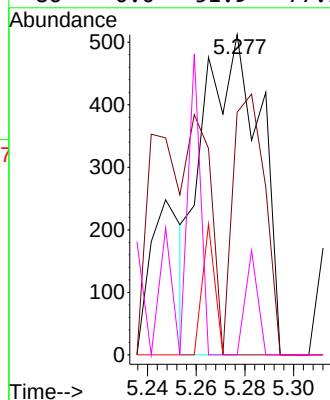
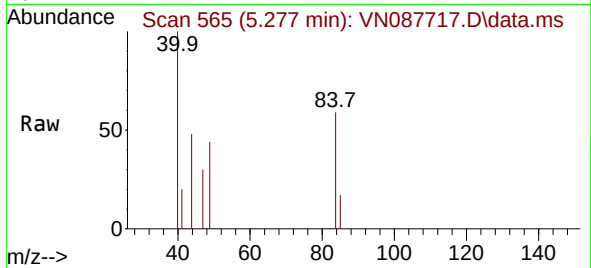
Tgt Ion: 58 Resp: 224
Ion Ratio Lower Upper
58 100
43 52.9 268.9 403.3#





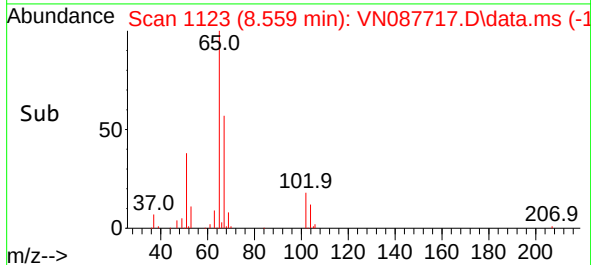
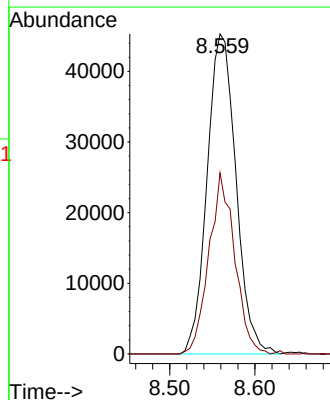
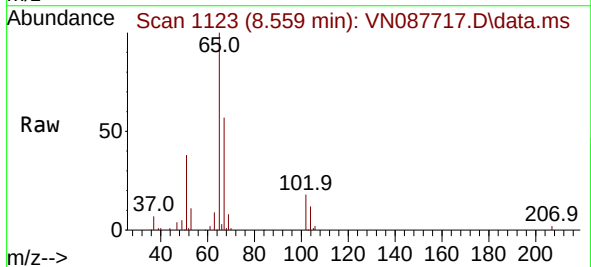
#18
Methylene Chloride
Concen: 0.314 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

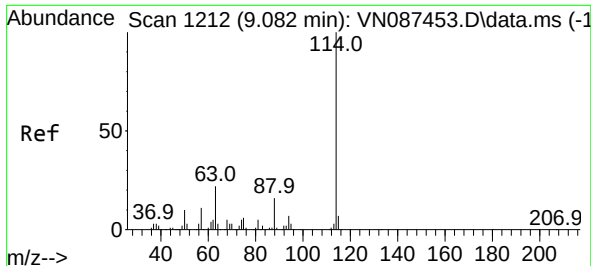
Tgt Ion: 84 Resp: 838
Ion Ratio Lower Upper
84 100
49 75.8 112.9 169.3#
51 0.0 33.8 50.8#
86 0.0 51.9 77.9#



#27
1,2-Dichloroethane-d4
Concen: 30.517 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

Tgt Ion: 65 Resp: 106627
Ion Ratio Lower Upper
65 100
67 50.5 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087717.D

Acq: 04 Sep 2025 12:59

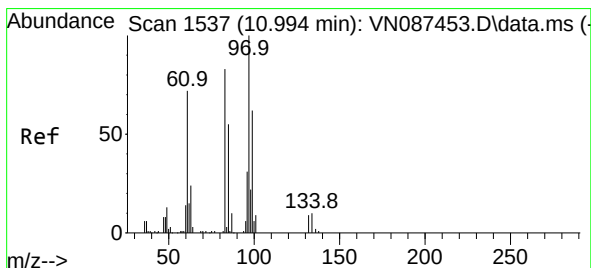
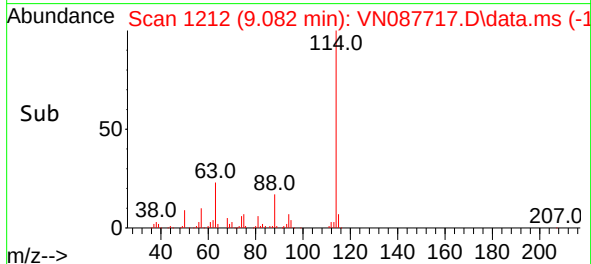
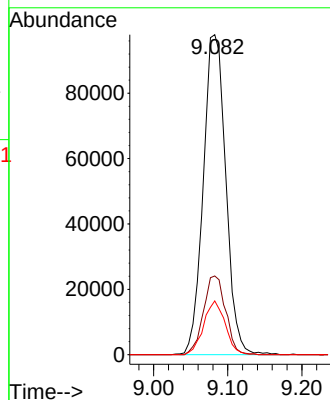
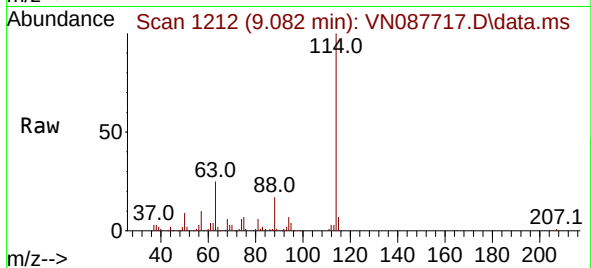
Tgt Ion:114 Resp: 207176

Ion Ratio Lower Upper

114 100

63 24.1 18.9 28.3

88 16.1 13.1 19.7



#50

1,1,2-Trichloroethane

Concen: 3.679 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.447 min

Lab File: VN087717.D

Acq: 04 Sep 2025 12:59

Tgt Ion: 97 Resp: 9538

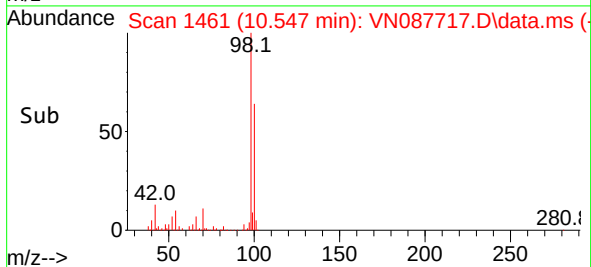
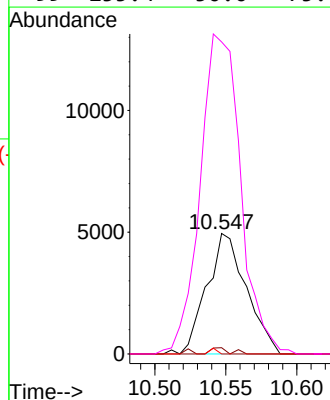
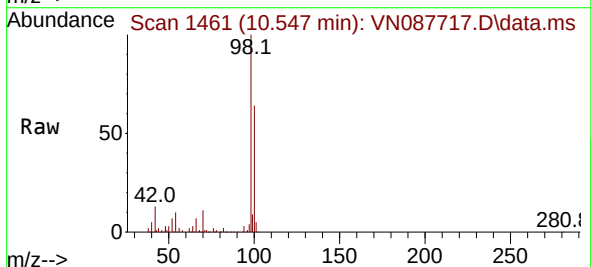
Ion Ratio Lower Upper

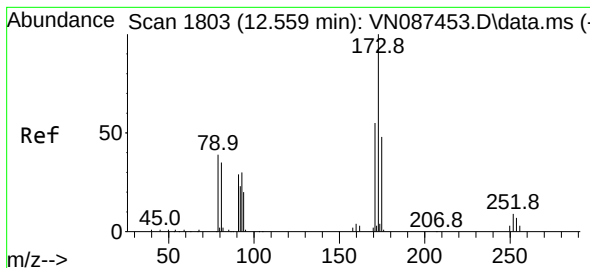
97 100

83 5.2 66.2 99.2#

85 0.0 43.9 65.9#

99 255.4 50.0 75.0#





#56

Bromoform

Concen: 0.339 ug/l

RT: 12.812 min Scan# 1846

Delta R.T. 0.253 min

Lab File: VN087717.D

Acq: 04 Sep 2025 12:59

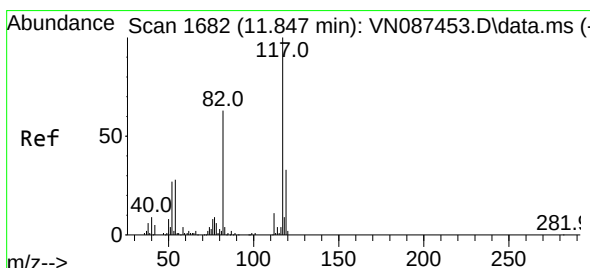
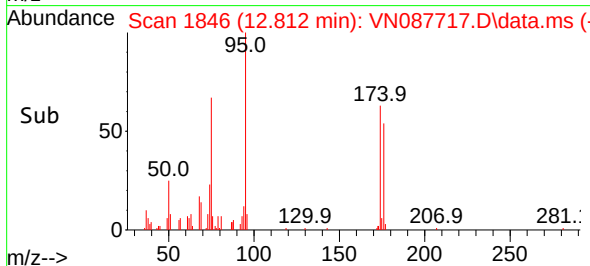
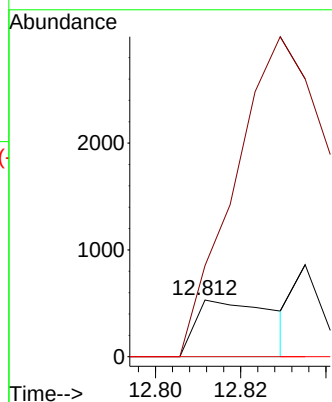
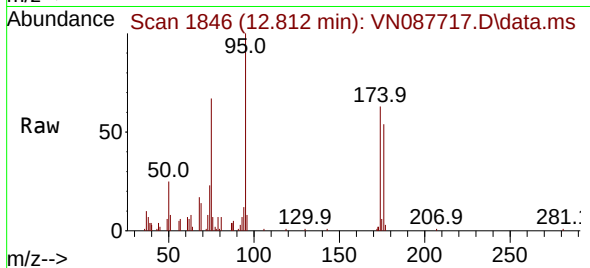
Tgt Ion:173 Resp: 672

Ion Ratio Lower Upper

173 100

175 0.0 38.8 58.2#

254 0.0 3.9 5.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VN087717.D

Acq: 04 Sep 2025 12:59

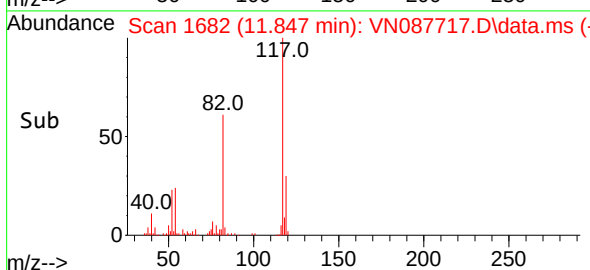
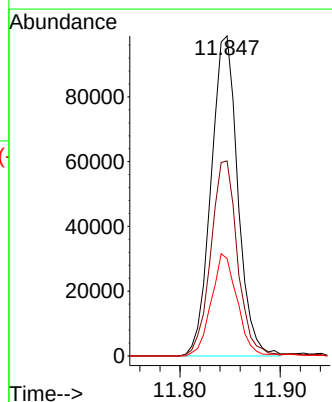
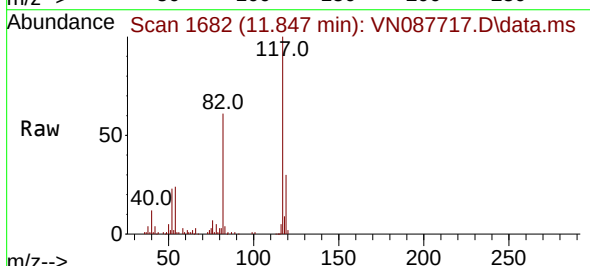
Tgt Ion:117 Resp: 183441

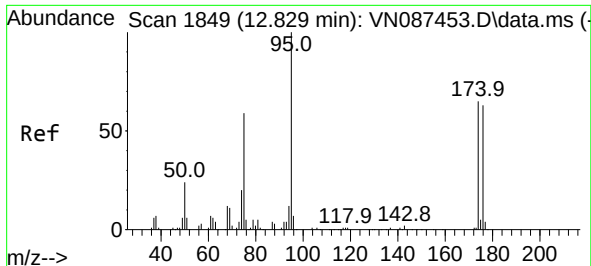
Ion Ratio Lower Upper

117 100

82 60.8 49.2 73.8

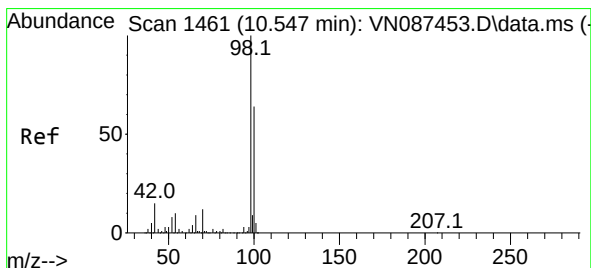
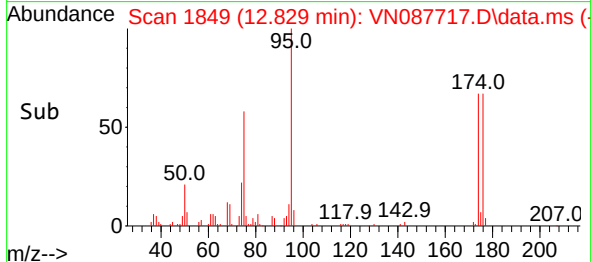
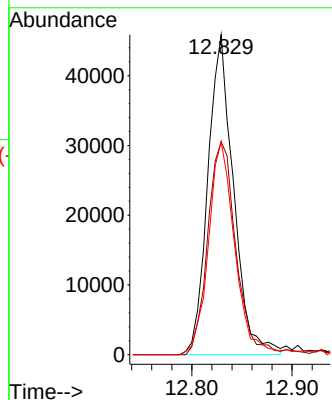
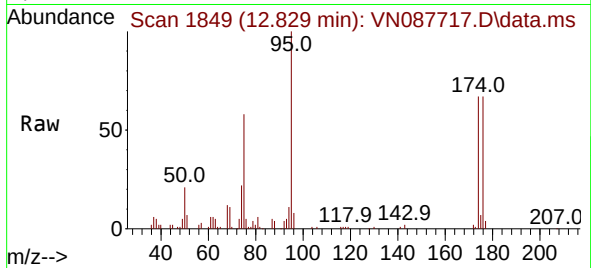
119 30.7 25.7 38.5





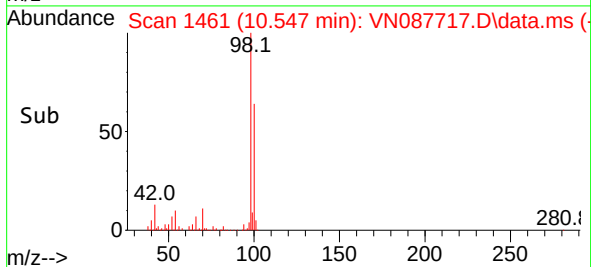
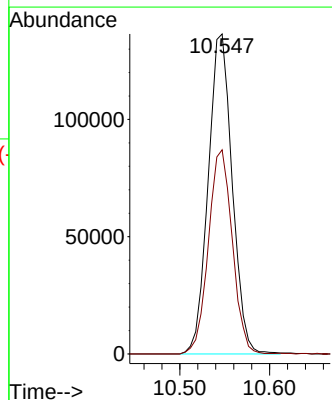
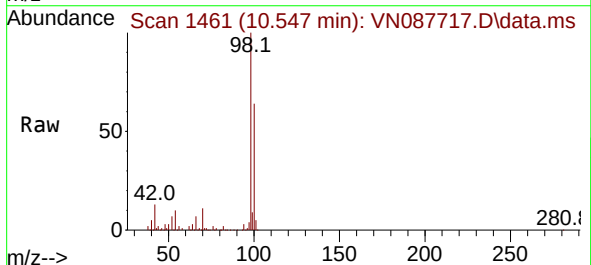
#60
4-Bromofluorobenzene
Concen: 25.902 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

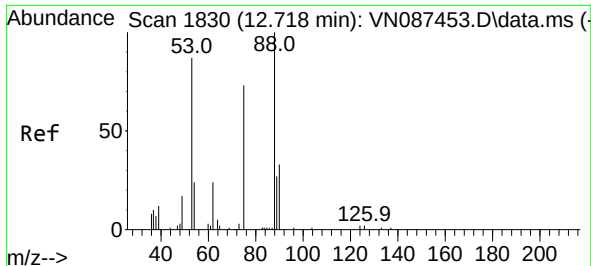
Tgt Ion: 95 Resp: 81770
Ion Ratio Lower Upper
95 100
174 71.4 52.3 78.5
176 67.9 49.8 74.8



#63
Toluene-d8
Concen: 30.063 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

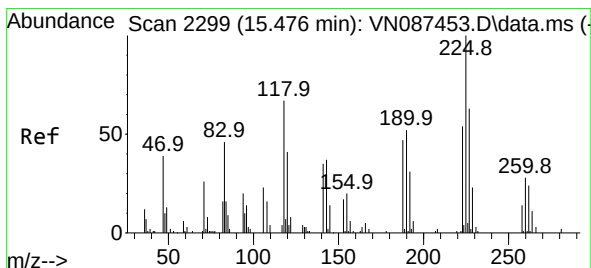
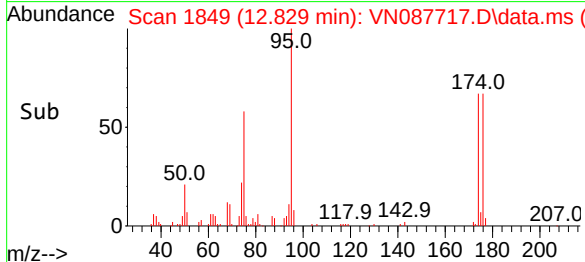
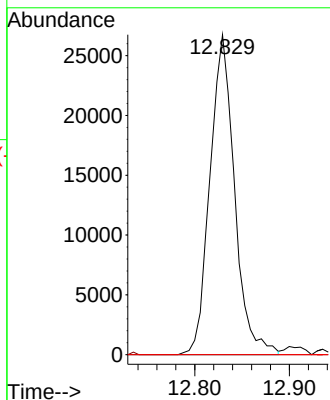
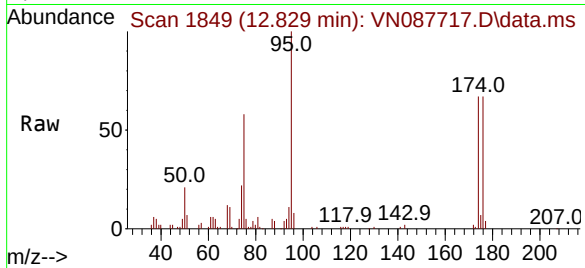
Tgt Ion: 98 Resp: 253748
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7





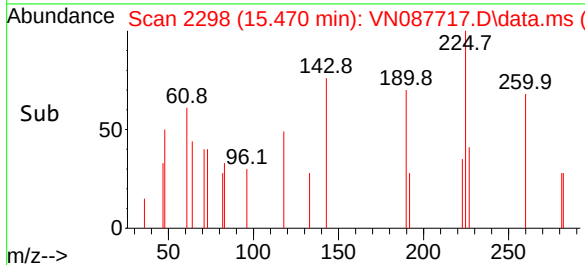
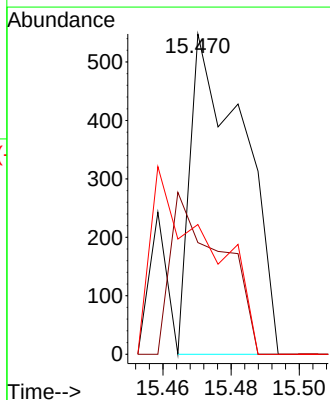
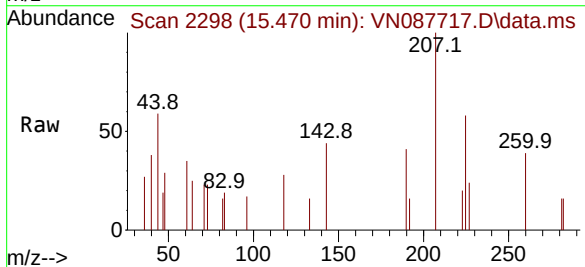
#77
t-1,4-Dichloro-2-butene
Concen: 34.545 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

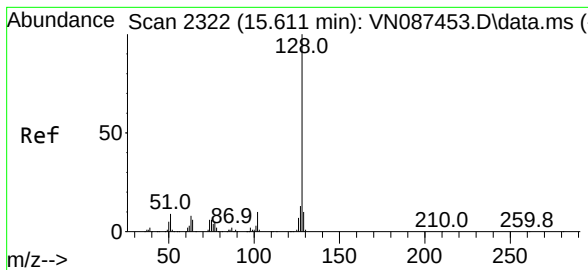
Tgt Ion: 75 Resp: 48326
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#



#90
Hexachlorobutadiene
Concen: 0.522 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

Tgt Ion: 225 Resp: 592
Ion Ratio Lower Upper
225 100
223 38.3 0.0 116.0
227 0.0 0.0 127.0





#91
Naphthalene
Concen: 0.288 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

Tgt Ion:128	Resp:	3199
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.2 15.4#
129	0.0	8.9 13.3#

