

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087721.D
 Acq On : 04 Sep 2025 14:37
 Operator : JC\MD
 Sample : Q3017-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 05 02:21:17 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

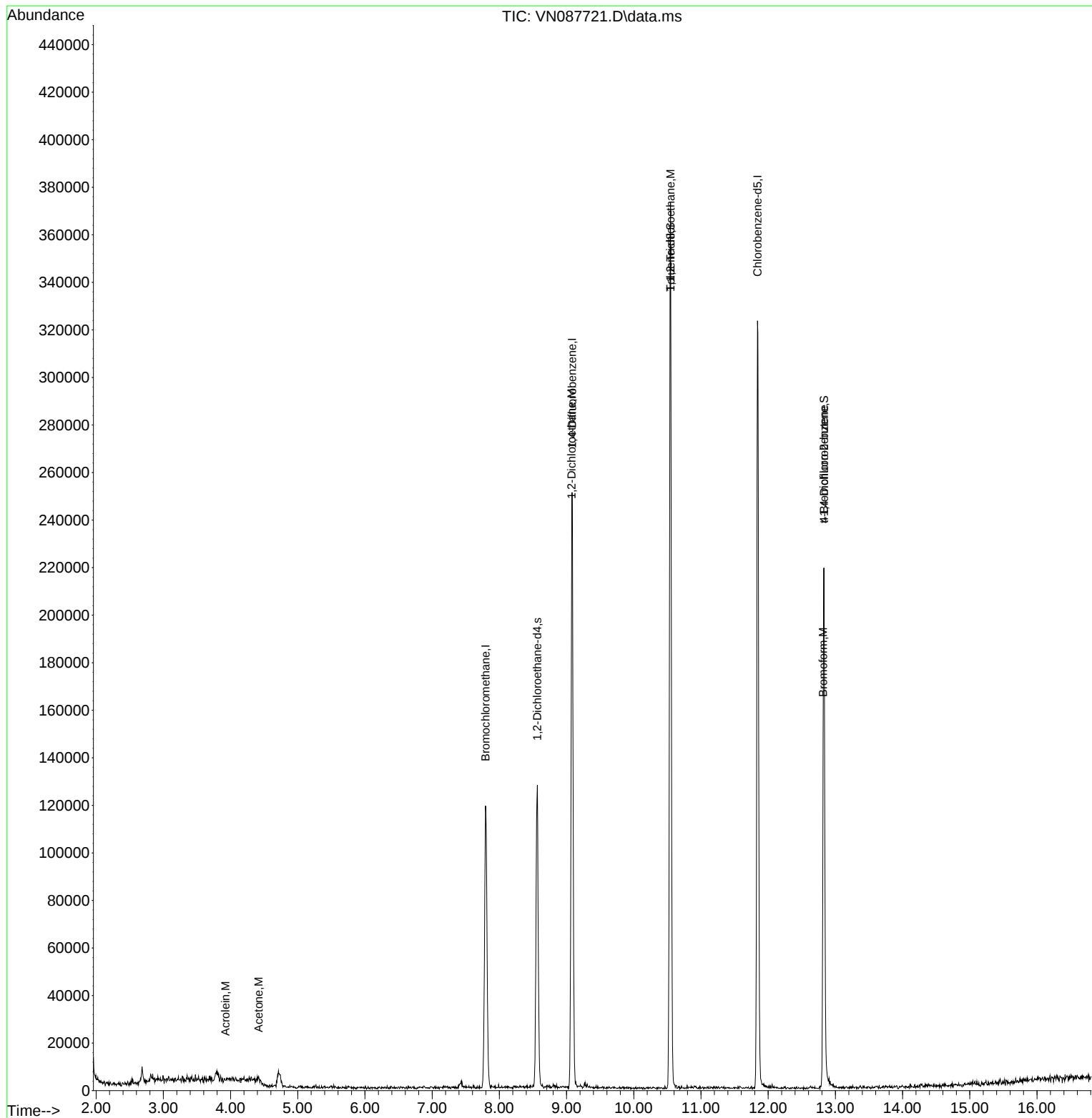
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

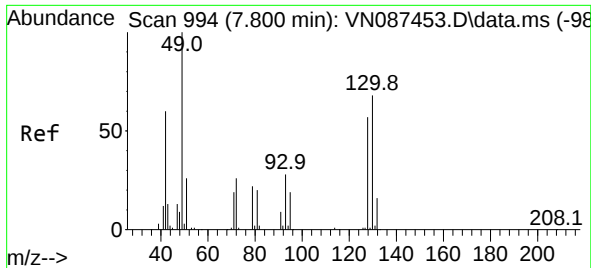
Internal Standards						
1) Bromochloromethane	7.794	128	39130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	202717	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	174966	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	106030	29.378	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.933%
60) 4-Bromofluorobenzene	12.829	95	76366	25.362	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.533%
63) Toluene-d8	10.547	98	247129	30.697	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.333%
Target Compounds						
					Qvalue	
13) Acrolein	3.924	56	151	0.250	ug/l	87
15) Acetone	4.418	58	237	0.480	ug/l #	66
36) 1,2-Dichloroethane	9.077	62	8507	2.017	ug/l #	77
50) 1,1,2-Trichloroethane	10.547	97	9457	3.728	ug/l #	1
56) Bromoform	12.818	173	582	0.300	ug/l #	34
77) t-1,4-Dichloro-2-butene	12.829	75	45723	34.268	ug/l #	3

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

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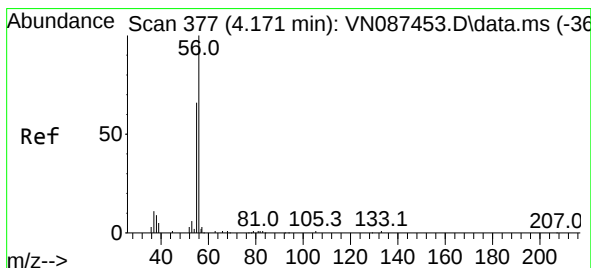
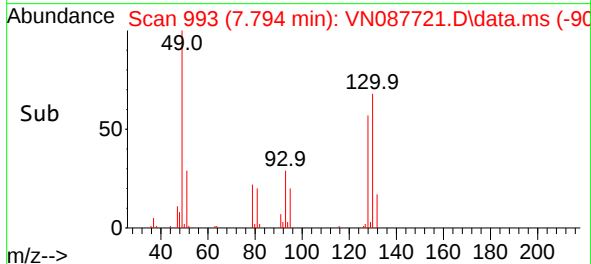
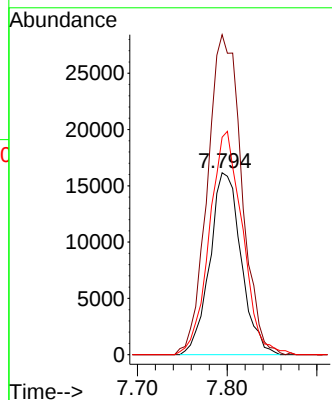
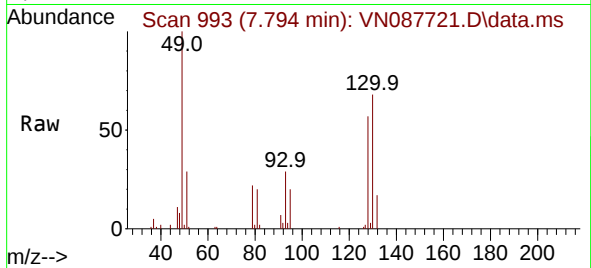
Quant Time: Sep 05 02:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
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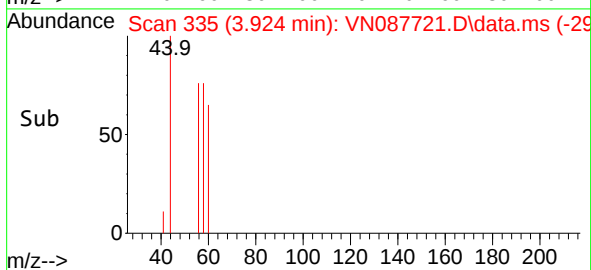
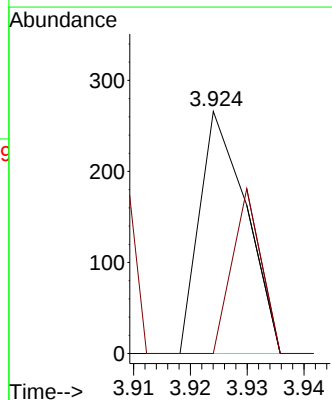
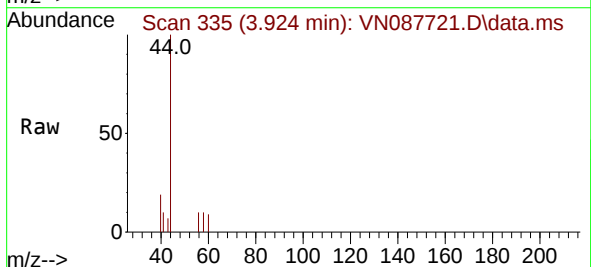
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. -0.006 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

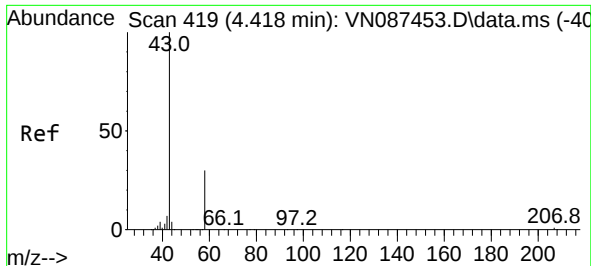
Tgt Ion:128 Resp: 39130
Ion Ratio Lower Upper
128 100
49 192.1 0.0 494.8
130 129.7 0.0 321.5



#13
Acrolein
Concen: 0.250 ug/l
RT: 3.924 min Scan# 335
Delta R.T. -0.247 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

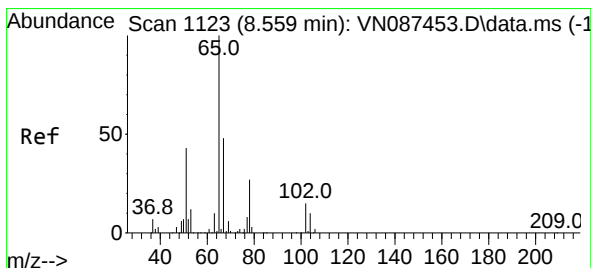
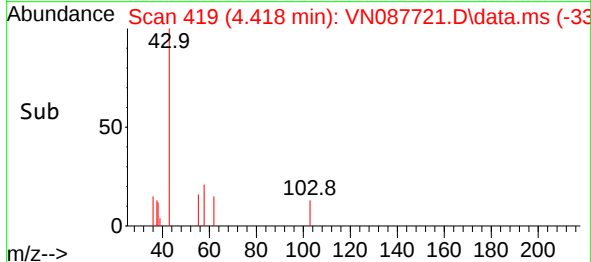
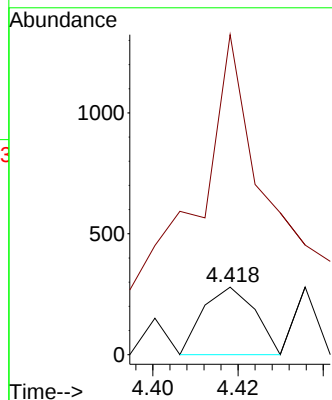
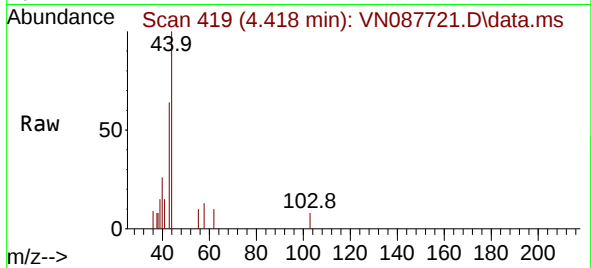
Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 82.1 57.4 86.0





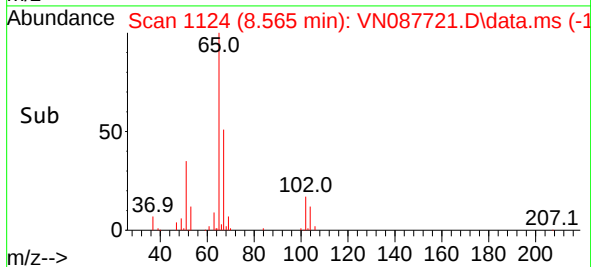
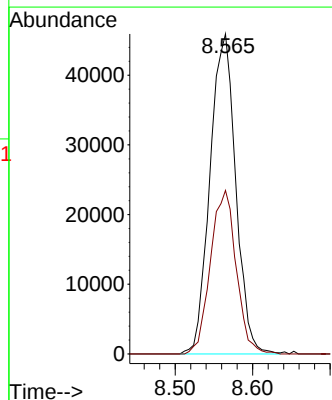
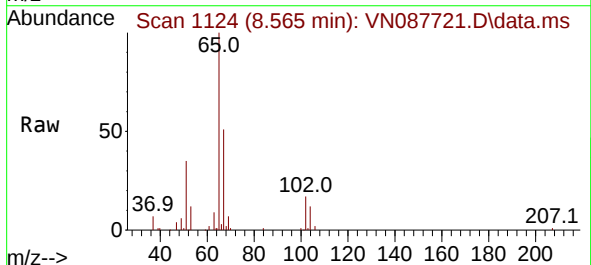
#15
Acetone
Concen: 0.480 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

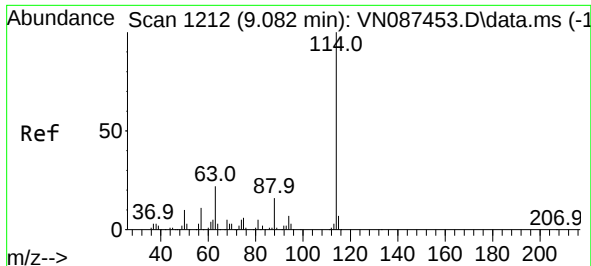
Tgt Ion: 58 Resp: 237
Ion Ratio Lower Upper
58 100
43 264.2 268.9 403.3#



#27
1,2-Dichloroethane-d4
Concen: 29.378 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

Tgt Ion: 65 Resp: 106030
Ion Ratio Lower Upper
65 100
67 51.0 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087721.D

Acq: 04 Sep 2025 14:37

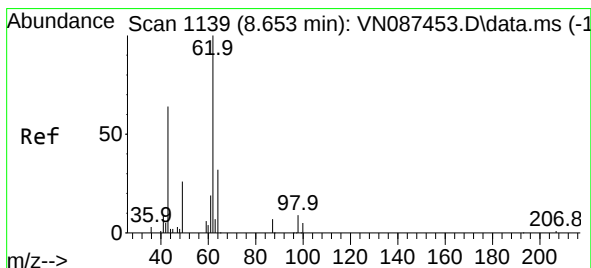
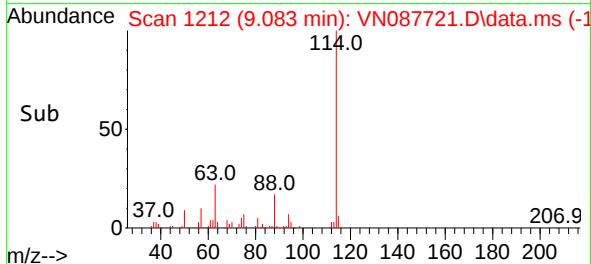
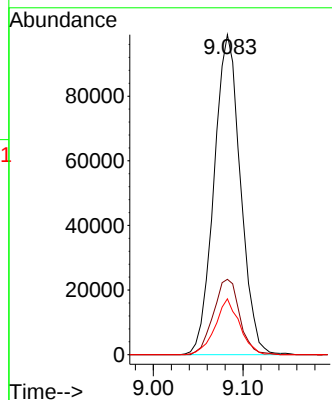
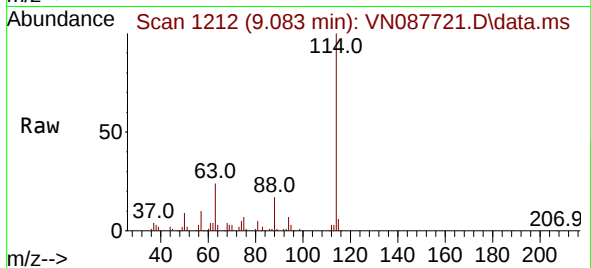
Tgt Ion:114 Resp: 202717

Ion Ratio Lower Upper

114 100

63 23.3 18.9 28.3

88 16.1 13.1 19.7



#36

1,2-Dichloroethane

Concen: 2.017 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. 0.424 min

Lab File: VN087721.D

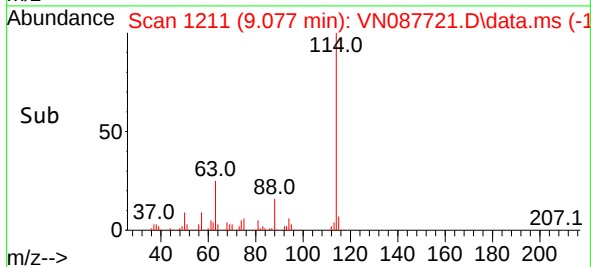
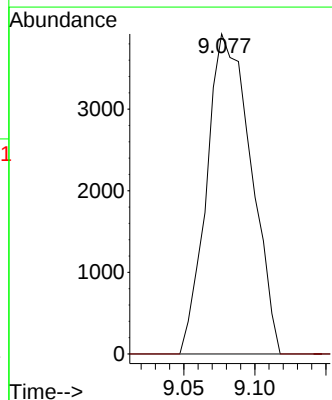
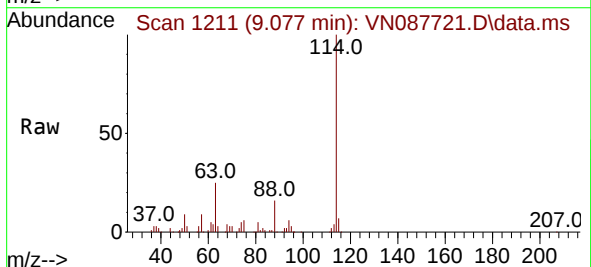
Acq: 04 Sep 2025 14:37

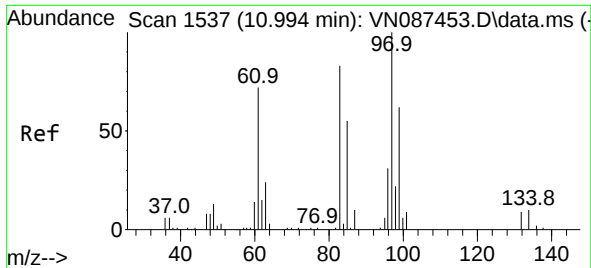
Tgt Ion: 62 Resp: 8507

Ion Ratio Lower Upper

62 100

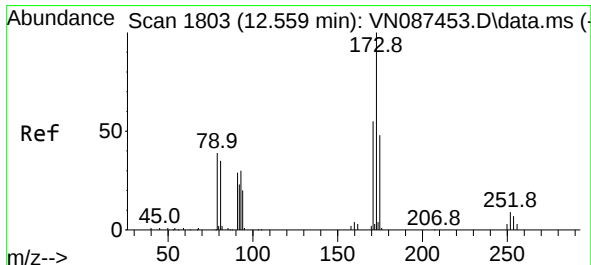
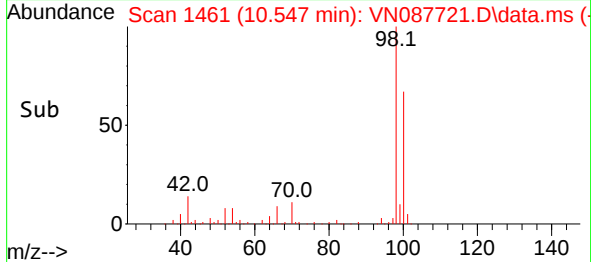
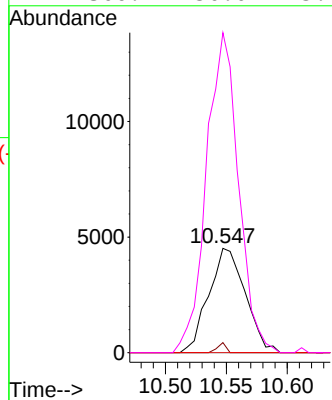
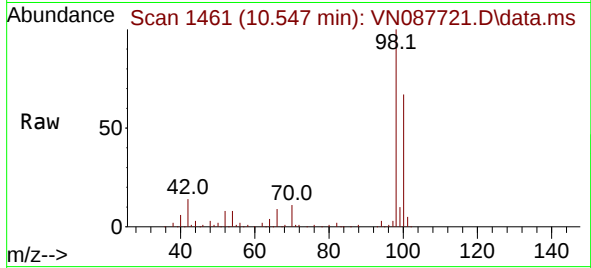
98 0.0 6.6 9.8#





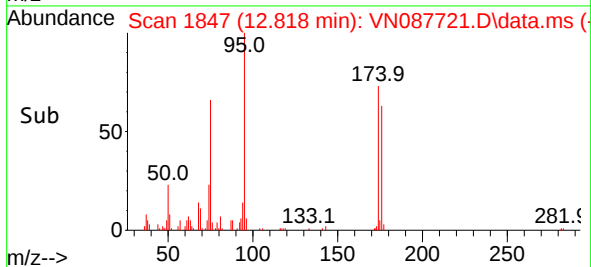
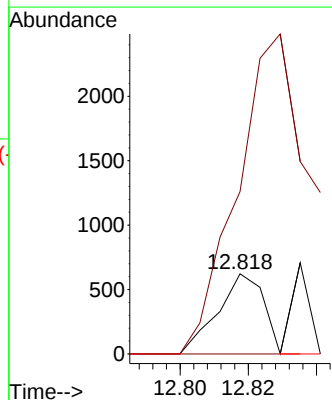
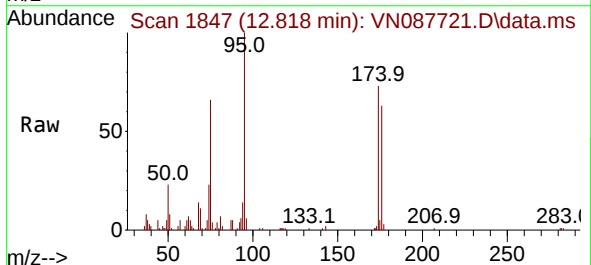
#50
1,1,2-Trichloroethane
Concen: 3.728 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.447 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

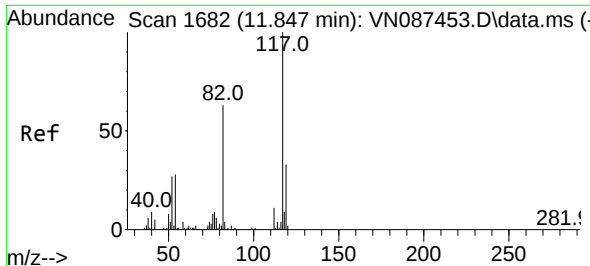
Tgt Ion:	97	Resp:	9457
Ion	Ratio	Lower	Upper
97	100		
83	9.7	66.2	99.2#
85	0.0	43.9	65.9#
99	306.7	50.0	75.0#



#56
Bromoform
Concen: 0.300 ug/l
RT: 12.818 min Scan# 1847
Delta R.T. 0.259 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

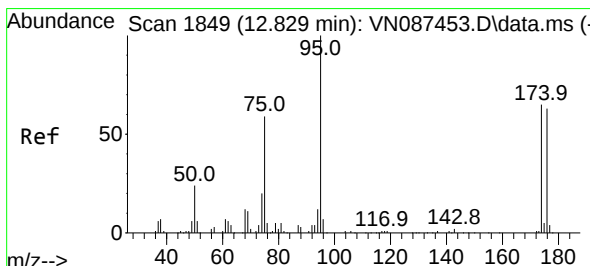
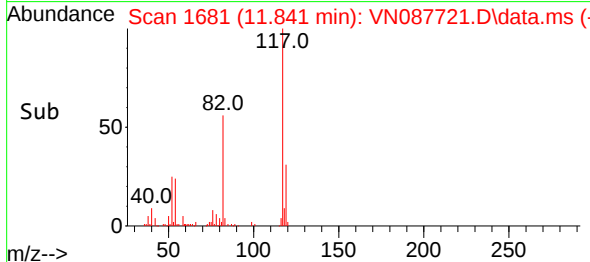
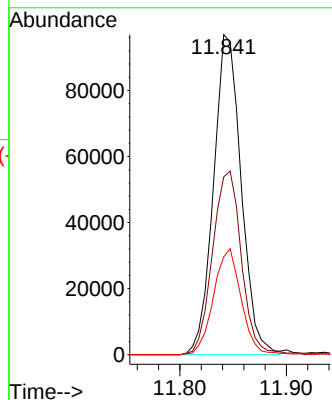
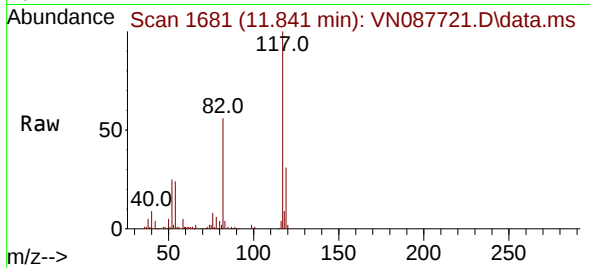
Tgt Ion:	173	Resp:	582
Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.8	58.2#
254	0.0	3.9	5.9#





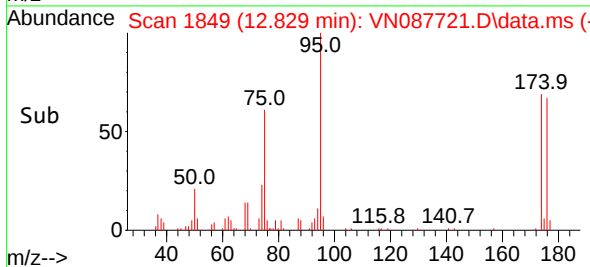
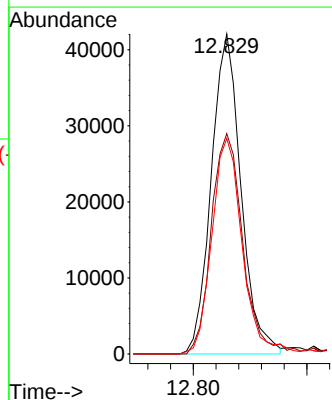
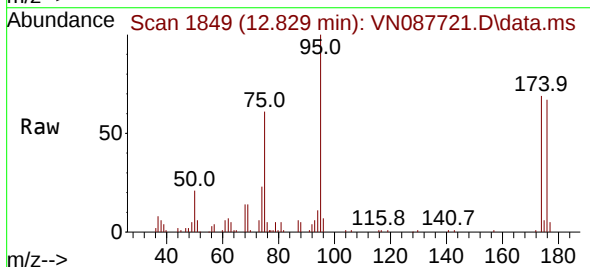
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

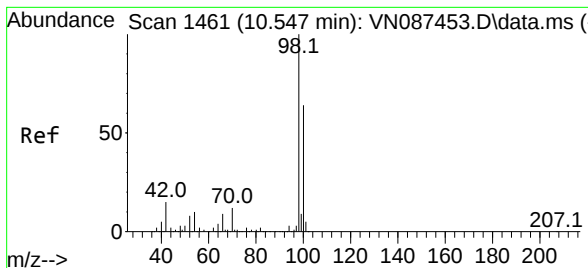
Tgt Ion:	117	Resp:	174966
Ion	Ratio	Lower	Upper
117	100		
82	59.6	49.2	73.8
119	32.9	25.7	38.5



#60
4-Bromofluorobenzene
Concen: 25.362 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

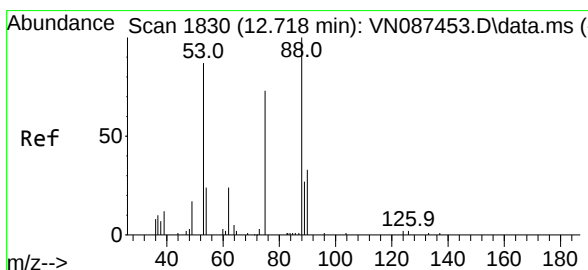
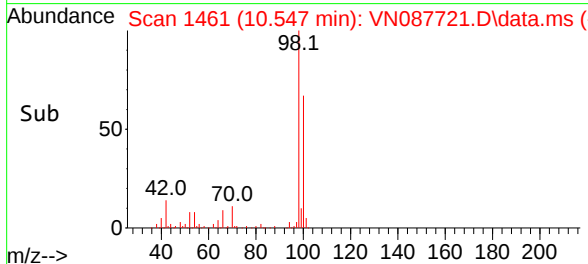
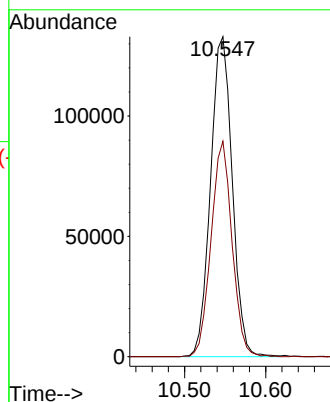
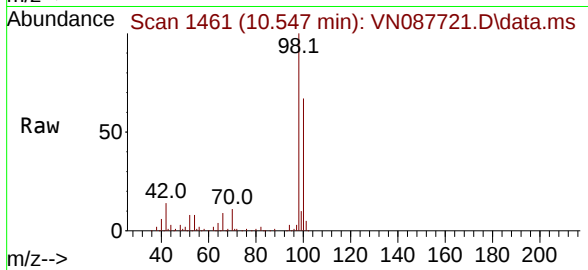
Tgt Ion:	95	Resp:	76366
Ion	Ratio	Lower	Upper
95	100		
174	71.5	52.3	78.5
176	69.0	49.8	74.8





#63
Toluene-d8
Concen: 30.697 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

Tgt Ion: 98 Resp: 247129
Ion Ratio Lower Upper
98 100
100 65.0 50.5 75.7



#77
t-1,4-Dichloro-2-butene
Concen: 34.268 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087721.D
Acq: 04 Sep 2025 14:37

Tgt Ion: 75 Resp: 45723
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#

