

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087719.D
 Acq On : 04 Sep 2025 13:56
 Operator : JC\MD
 Sample : Q3017-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 05 02:20:41 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

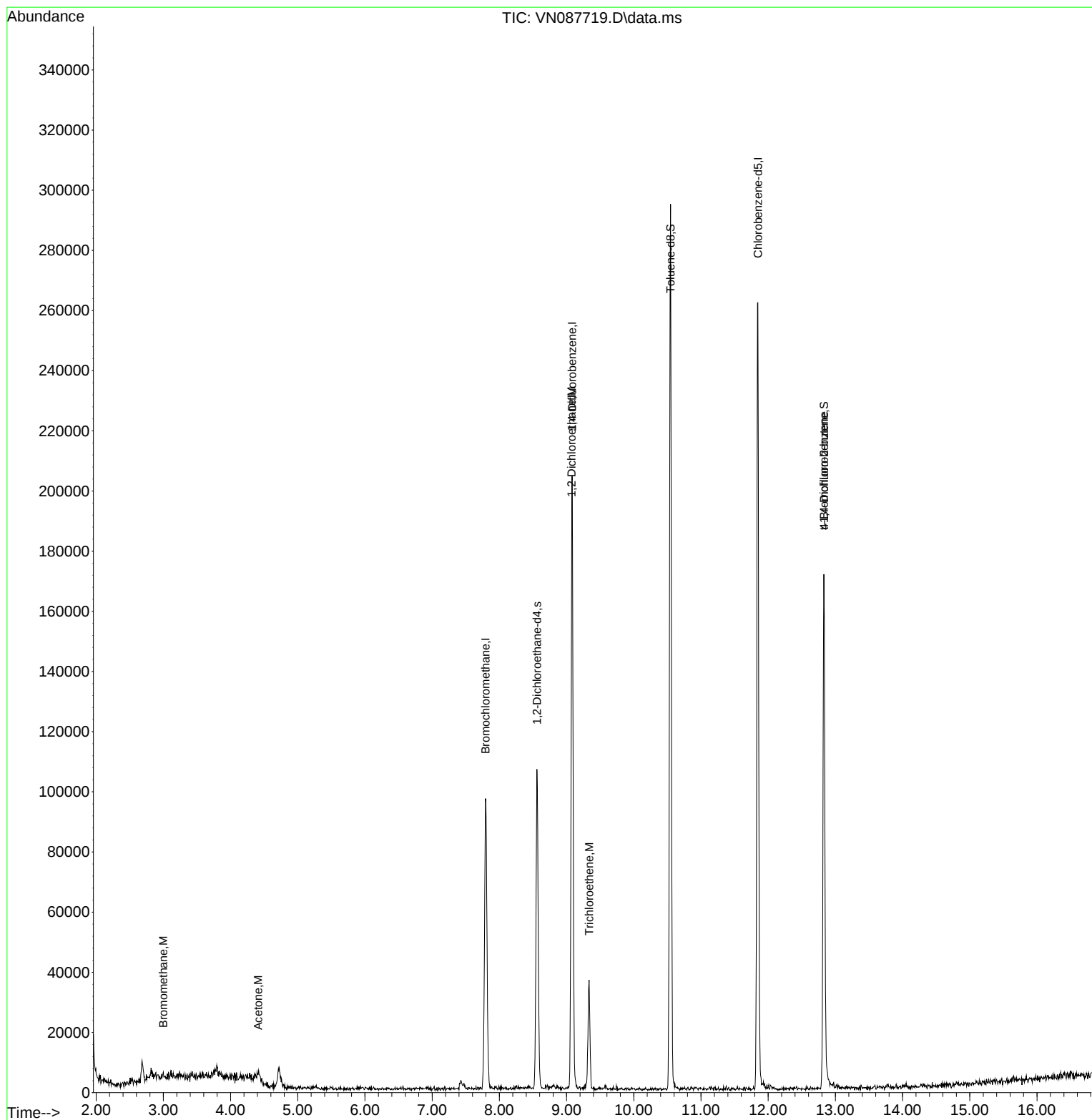
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

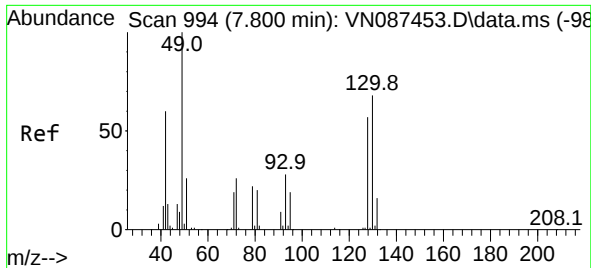
Internal Standards						
1) Bromochloromethane	7.794	128	31627	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	160432	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	142263	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	86846	29.771	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.233%
60) 4-Bromofluorobenzene	12.829	95	62220	25.414	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.700%
63) Toluene-d8	10.547	98	193077	29.496	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.333%
Target Compounds						
					Qvalue	
5) Bromomethane	3.000	94	245	0.201	ug/l #	1
15) Acetone	4.412	58	409	1.026	ug/l #	1
36) 1,2-Dichloroethane	9.076	62	7157	2.144	ug/l #	77
37) Trichloroethene	9.335	130	12183	6.696	ug/l	99
77) t-1,4-Dichloro-2-butene	12.829	75	35880	33.072	ug/l #	3

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

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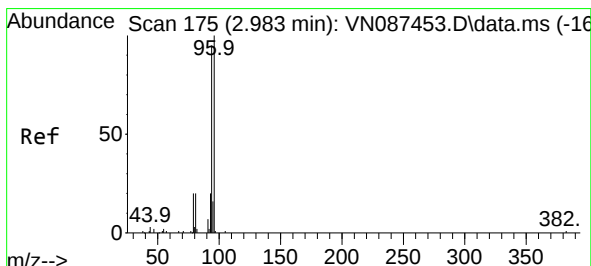
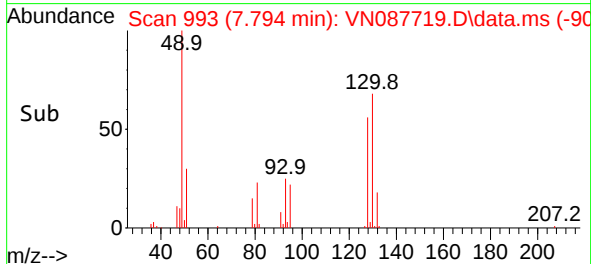
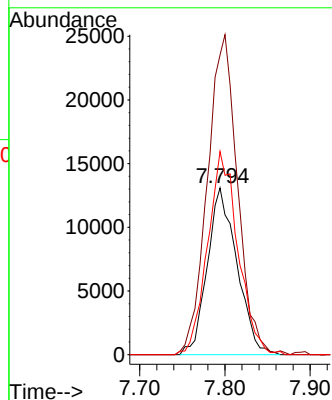
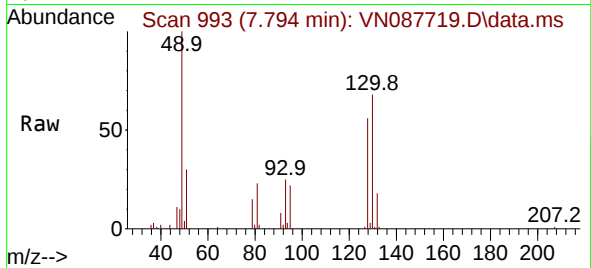
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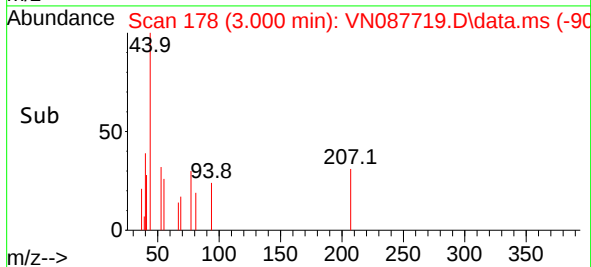
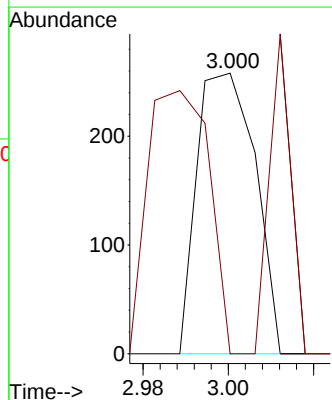
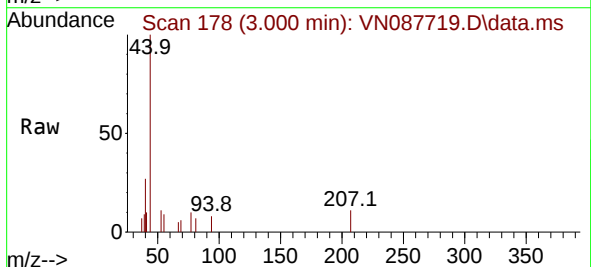
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. -0.006 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

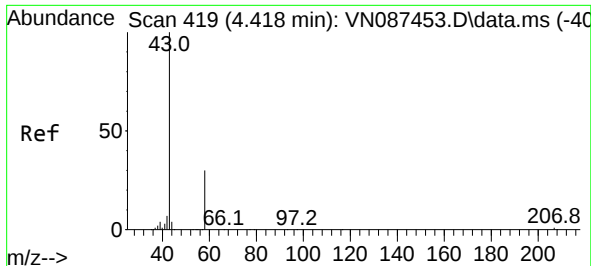
Tgt Ion:128 Resp: 31627
Ion Ratio Lower Upper
128 100
49 194.8 0.0 494.8
130 124.4 0.0 321.5



#5
Bromomethane
Concen: 0.201 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.018 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

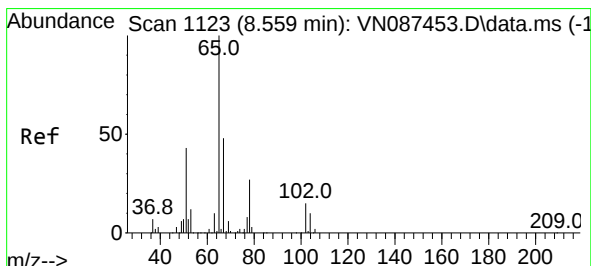
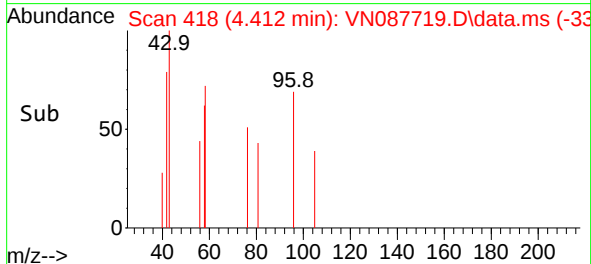
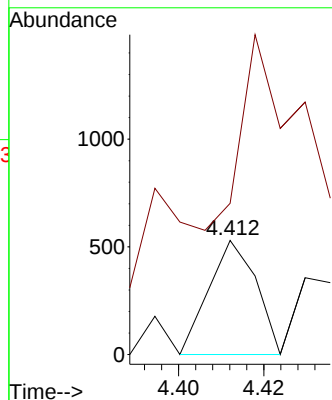
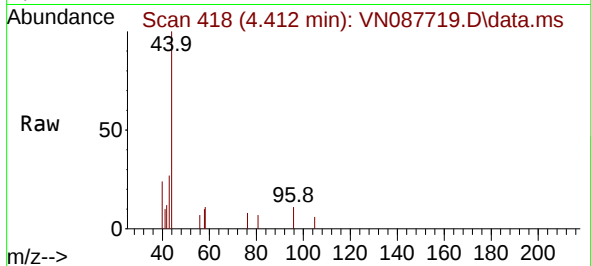
Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 0.0 84.2 126.4#





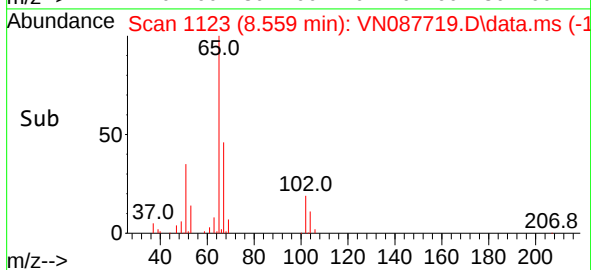
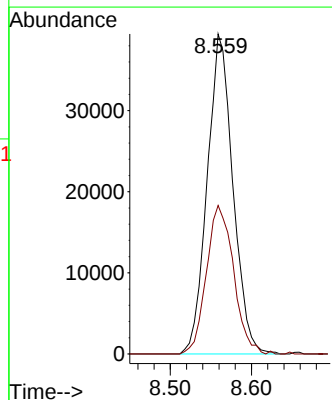
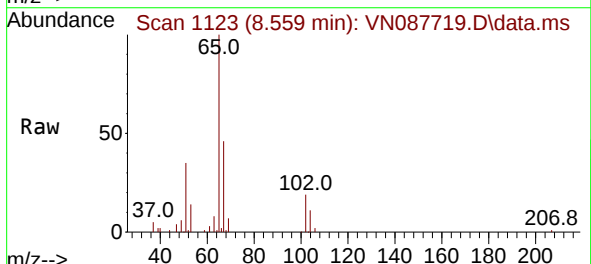
#15
Acetone
Concen: 1.026 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

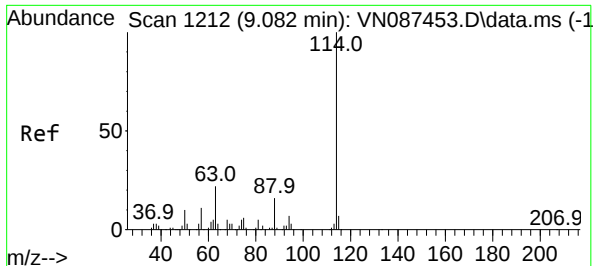
Tgt Ion: 58 Resp: 409
Ion Ratio Lower Upper
58 100
43 16.4 268.9 403.3#



#27
1,2-Dichloroethane-d4
Concen: 29.771 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

Tgt Ion: 65 Resp: 86846
Ion Ratio Lower Upper
65 100
67 48.9 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

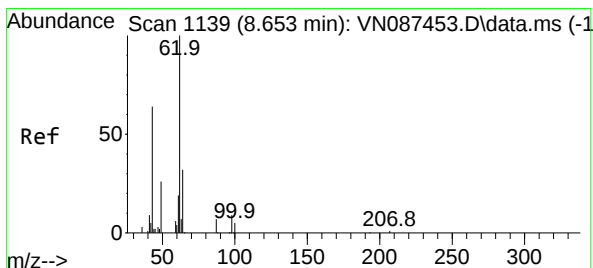
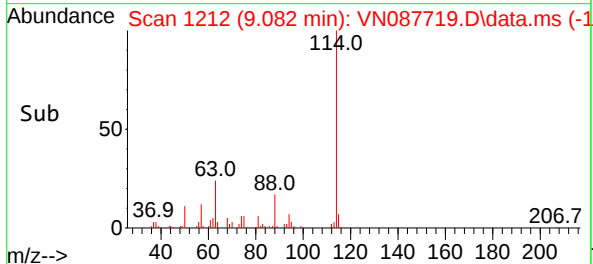
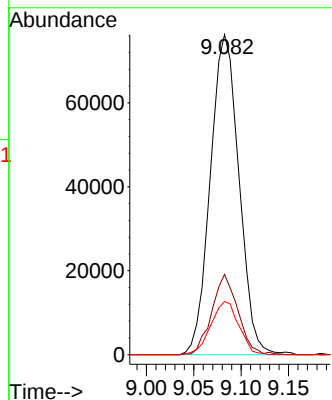
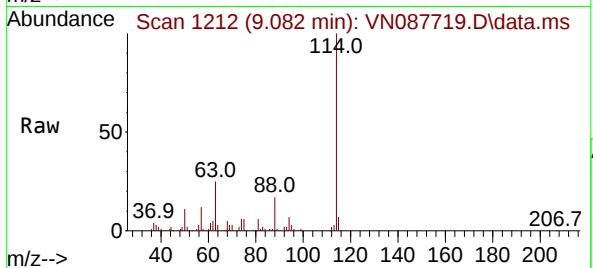
RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087719.D

Acq: 04 Sep 2025 13:56

Tgt Ion:	114	Resp:	160432
Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.9	28.3
88	16.2	13.1	19.7



#36

1,2-Dichloroethane

Concen: 2.144 ug/l

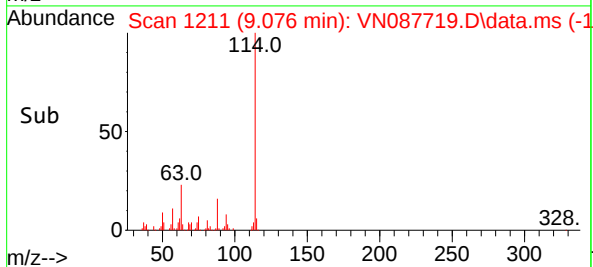
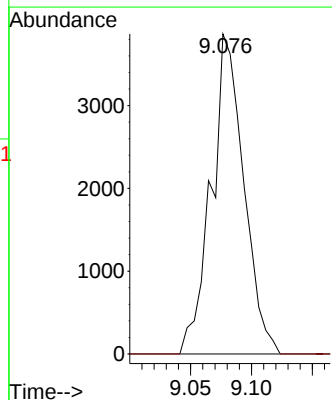
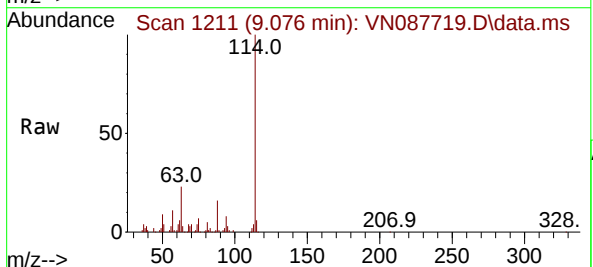
RT: 9.076 min Scan# 1211

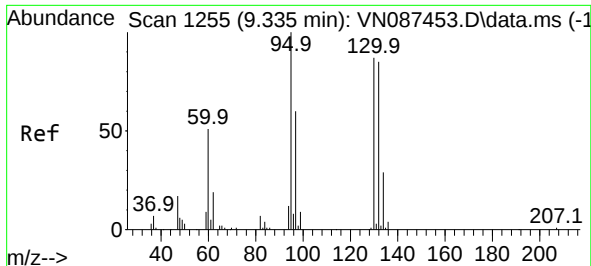
Delta R.T. 0.423 min

Lab File: VN087719.D

Acq: 04 Sep 2025 13:56

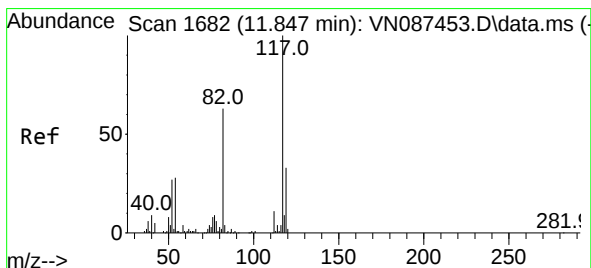
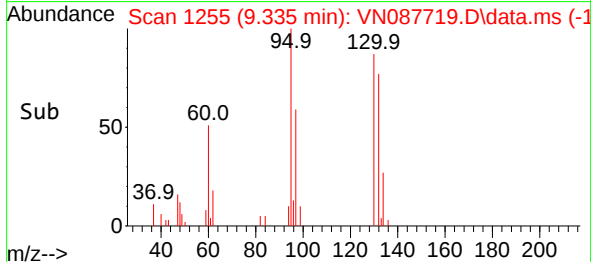
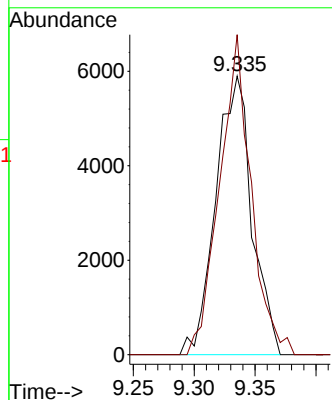
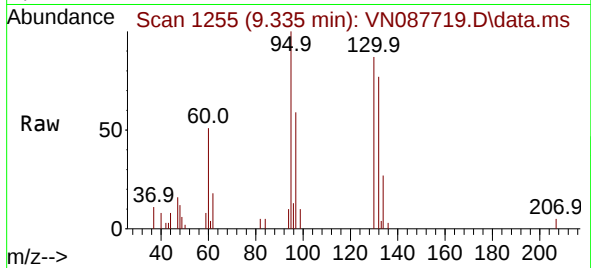
Tgt Ion:	62	Resp:	7157
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#





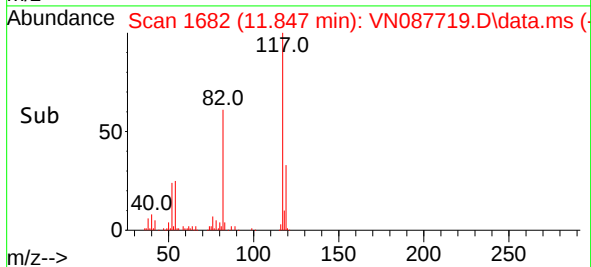
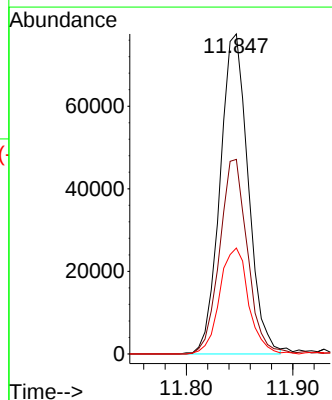
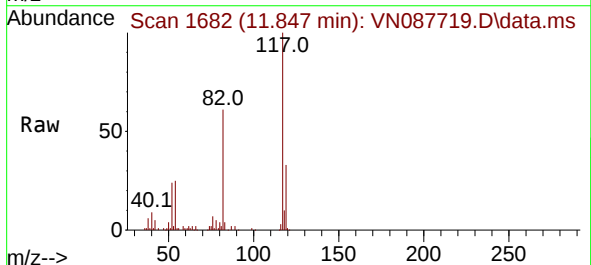
#37
Trichloroethene
Concen: 6.696 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. -0.000 min
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Acq: 04 Sep 2025 13:56

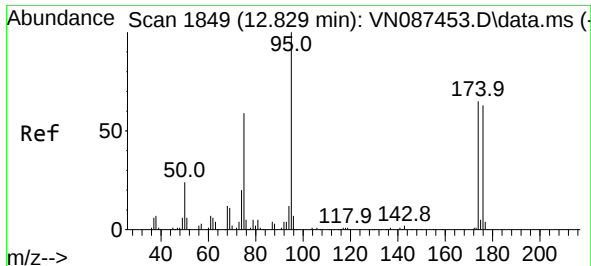
Tgt Ion:130 Resp: 12183
Ion Ratio Lower Upper
130 100
95 114.9 91.4 137.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

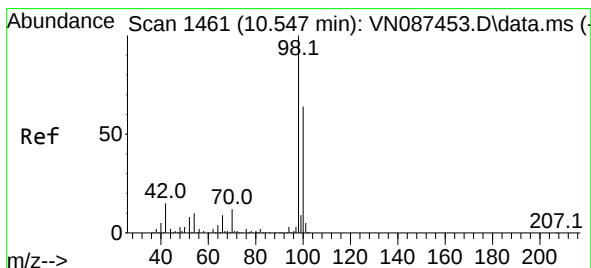
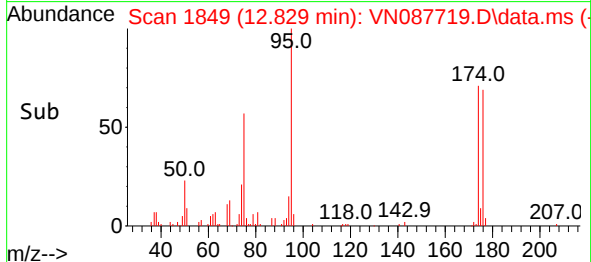
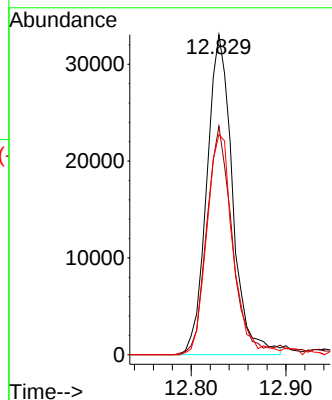
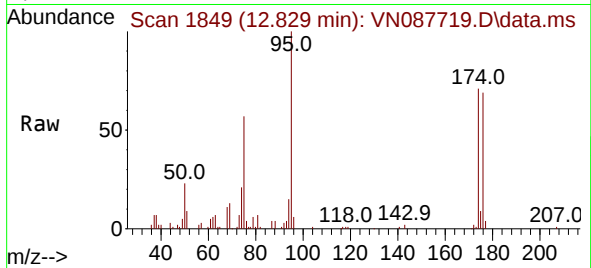
Tgt Ion:117 Resp: 142263
Ion Ratio Lower Upper
117 100
82 60.1 49.2 73.8
119 33.8 25.7 38.5





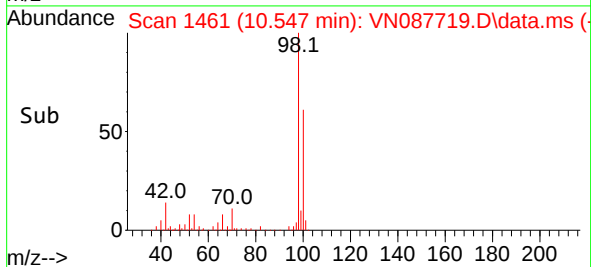
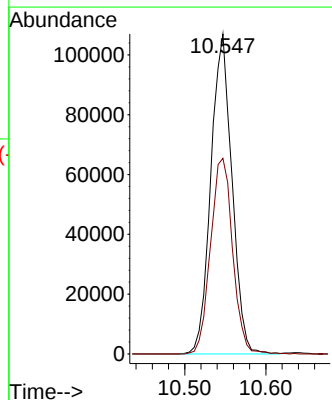
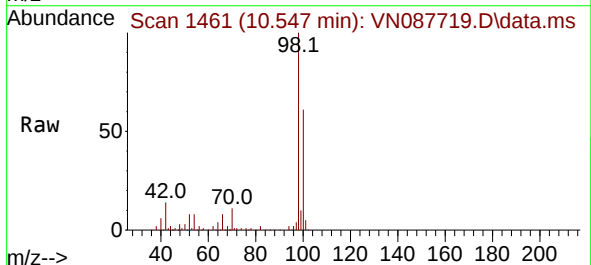
#60
4-Bromofluorobenzene
Concen: 25.414 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

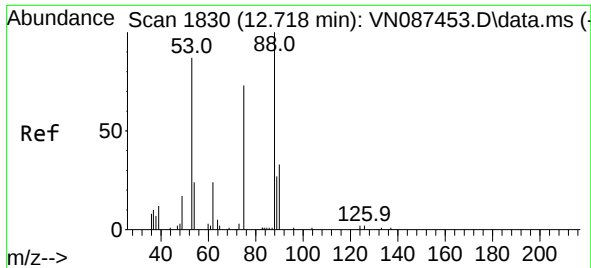
Tgt Ion: 95 Resp: 62220
Ion Ratio Lower Upper
95 100
174 69.9 52.3 78.5
176 68.8 49.8 74.8



#63
Toluene-d8
Concen: 29.496 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

Tgt Ion: 98 Resp: 193077
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7





#77
t-1,4-Dichloro-2-butene
Concen: 33.072 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087719.D
Acq: 04 Sep 2025 13:56

Tgt Ion:	75	Resp:	35880
Ion	Ratio	Lower	Upper
75	100		
53	0.0	59.0	176.8#
89	0.0	22.1	66.5#

