Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
Data File : VN087720.D
Acq On : 04 Sep 2025 14:16
Operator : JC\MD
Sample : Q3017-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 05 02:20:59 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	7.800	128	36172	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	190299	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	168068	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	97530	29.233	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.433%			
60) 4-Bromofluorobenzene	12.829	95	73817	25.522	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 85.067%			
63) Toluene-d8	10.547	98	227103	29.367	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.900%			
Target Compounds						Qvalue
13) Acrolein	4.324	56	127	0.227	ug/l	89
15) Acetone	4.424	58	319	0.699	ug/l #	1
36) 1,2-Dichloroethane	9.076	62	8540	2.157	ug/l #	77
50) 1,1,2-Trichloroethane	10.553	97	9348	3.926	ug/l #	1
56) Bromoform	12.829	173	1059	0.582	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	40927	31.932	ug/l #	3

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

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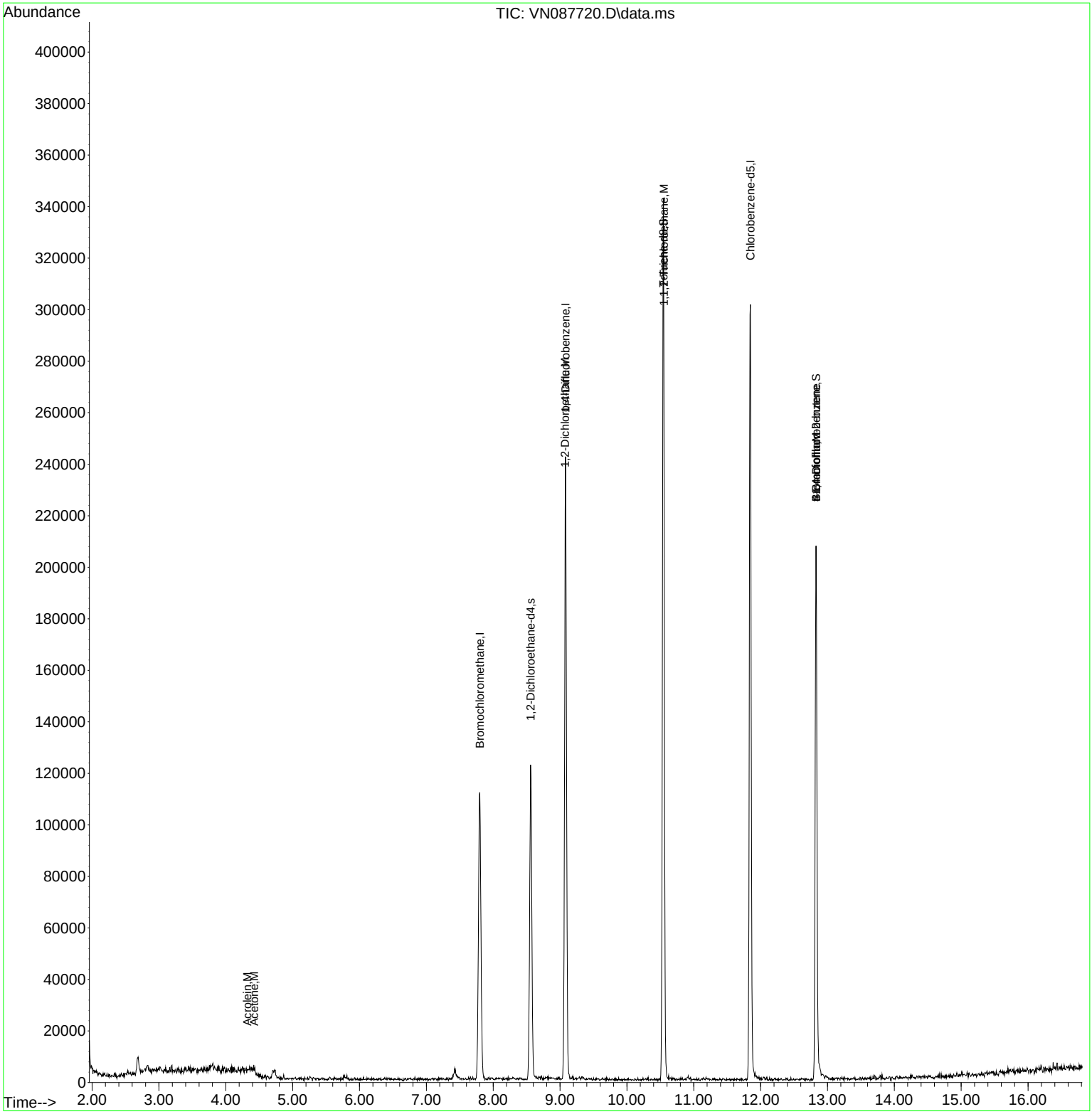
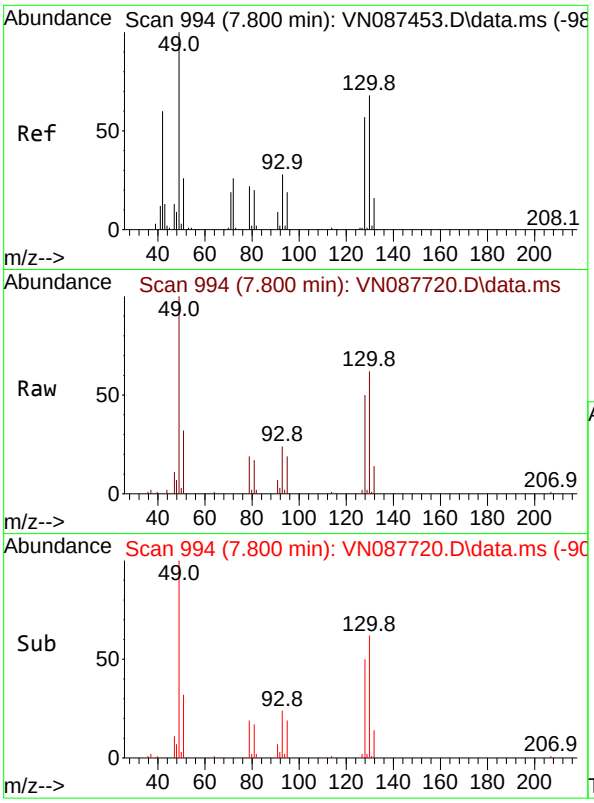
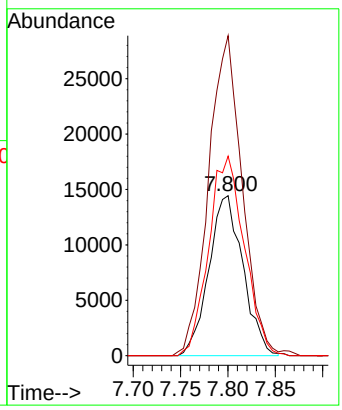


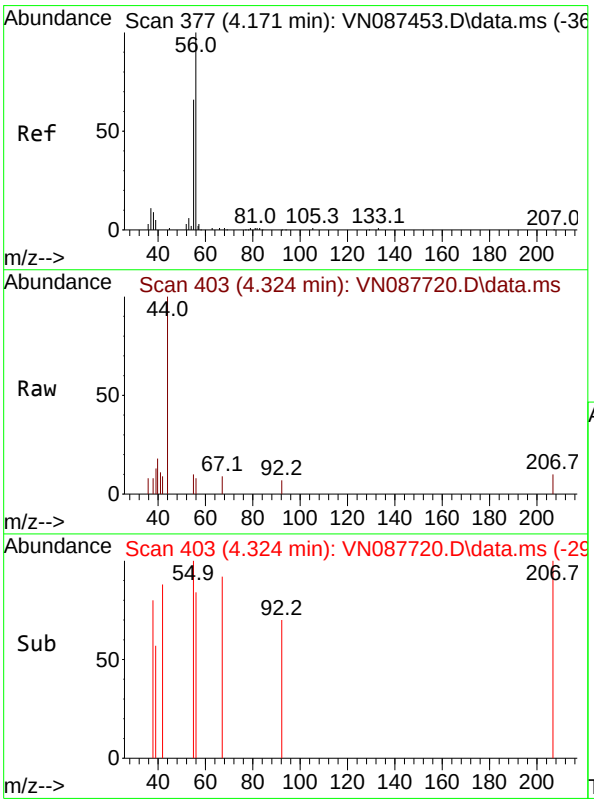


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion:128 Resp: 36172

Ion	Ratio	Lower	Upper
128	100		
49	196.7	0.0	494.8
130	130.3	0.0	321.5

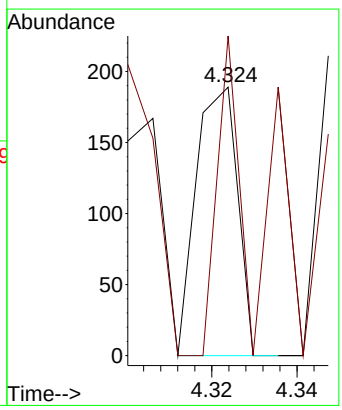


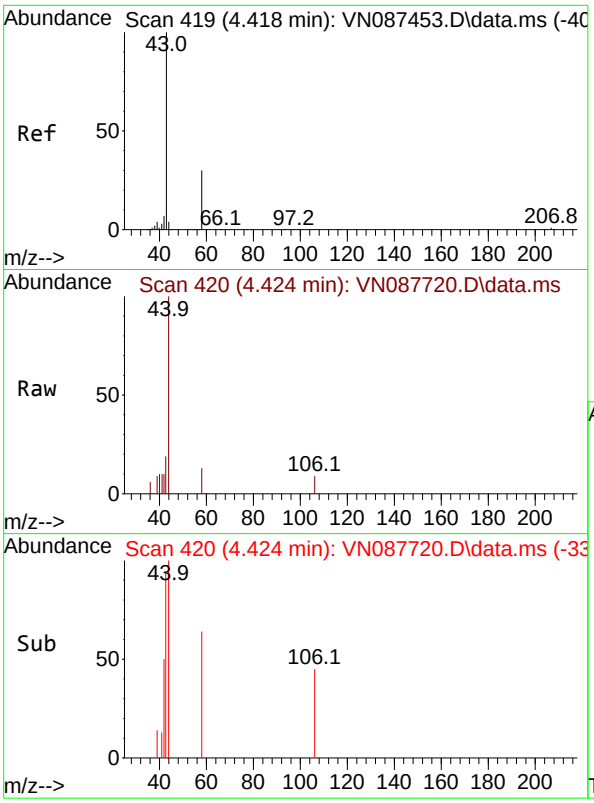


#13
Acrolein
Concen: 0.227 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.153 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 56 Resp: 127

Ion	Ratio	Lower	Upper
56	100		
55	62.2	57.4	86.0

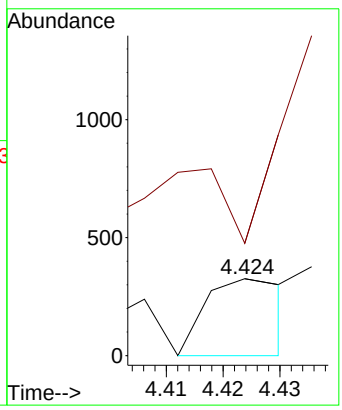


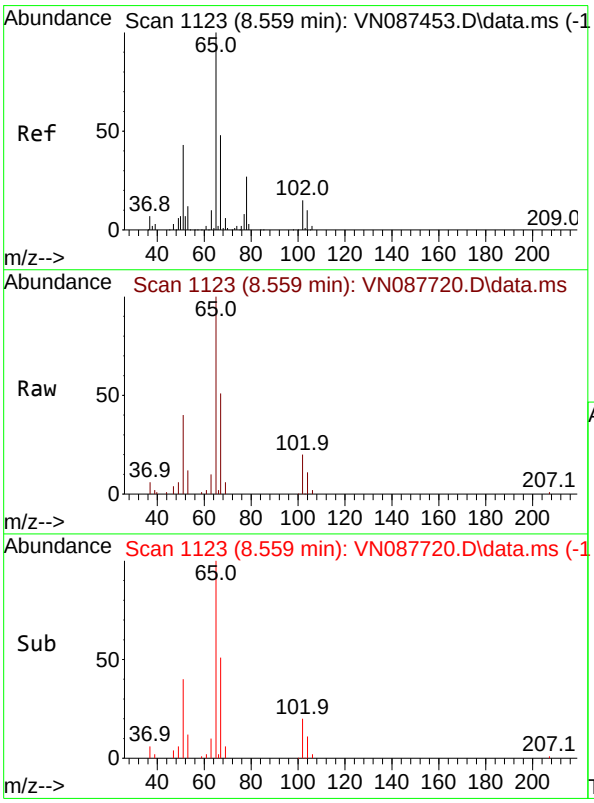


#15
Acetone
Concen: 0.699 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 58 Resp: 319

Ion	Ratio	Lower	Upper
58	100		
43	0.0	268.9	403.3#

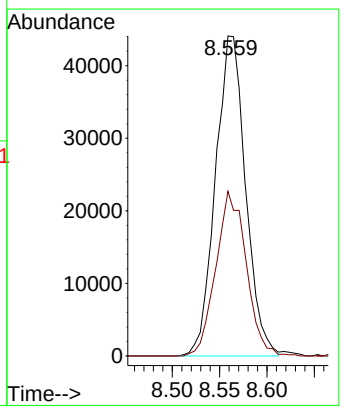


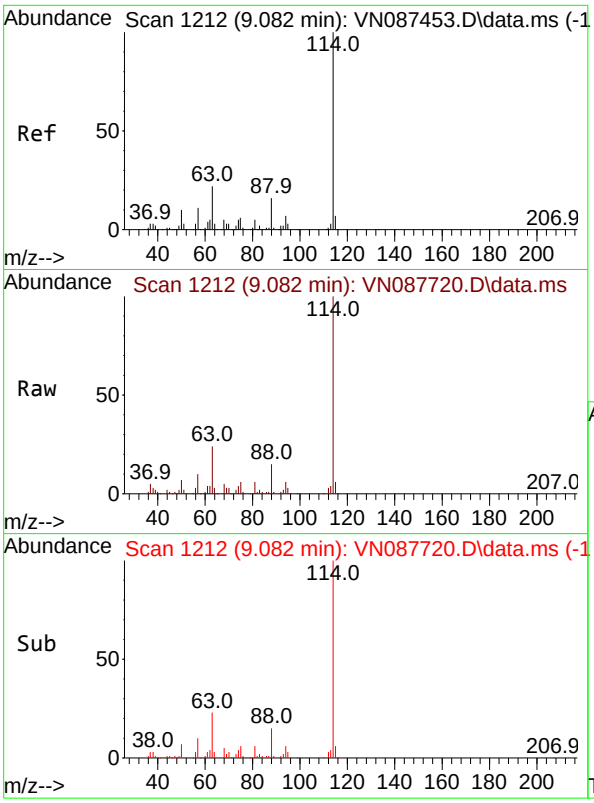


#27
1,2-Dichloroethane-d4
Concen: 29.233 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 65 Resp: 97530

Ion	Ratio	Lower	Upper
65	100		
67	51.7	40.8	61.2

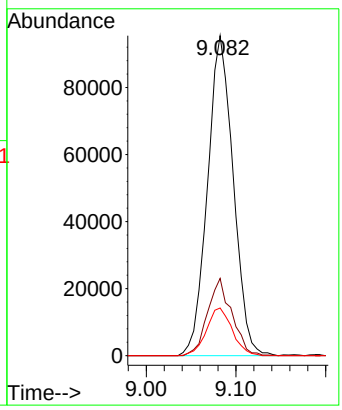


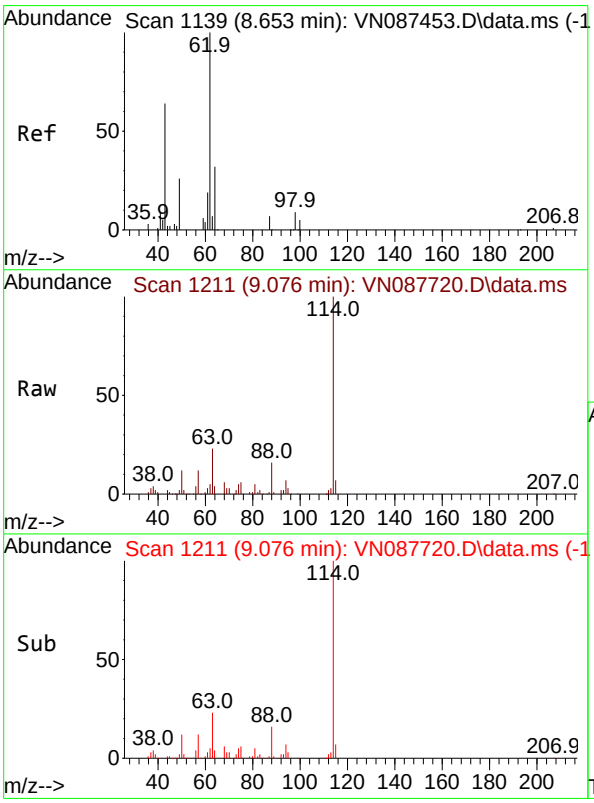


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion:114 Resp: 190299

Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.9	28.3
88	14.9	13.1	19.7

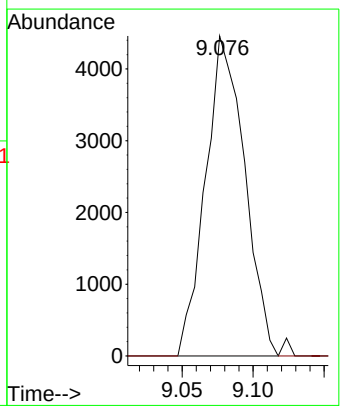


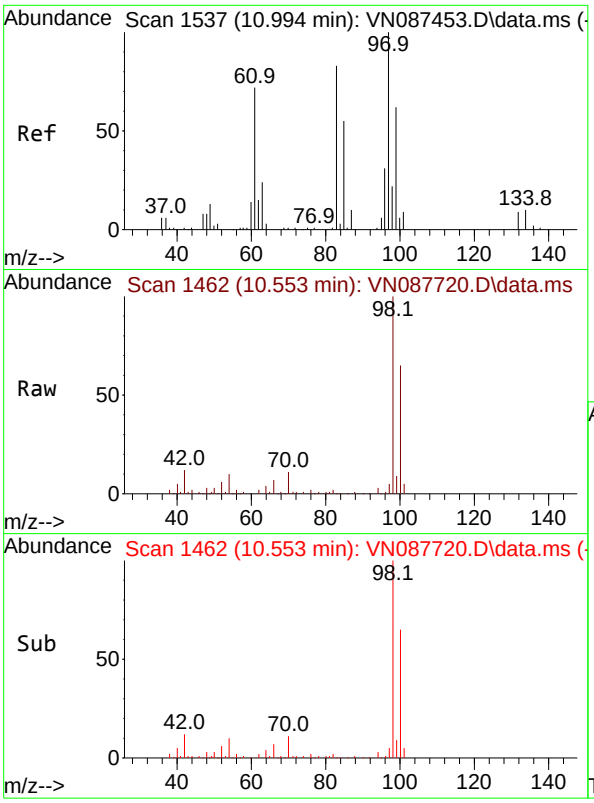


#36
1,2-Dichloroethane
Concen: 2.157 ug/l
RT: 9.076 min Scan# 1211
Delta R.T. 0.423 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 62 Resp: 8540

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#

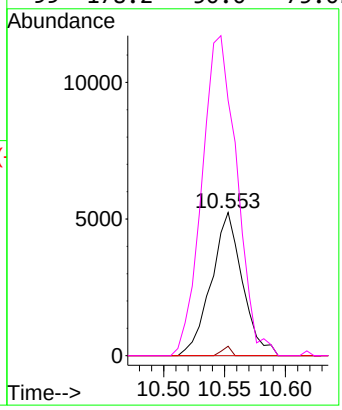


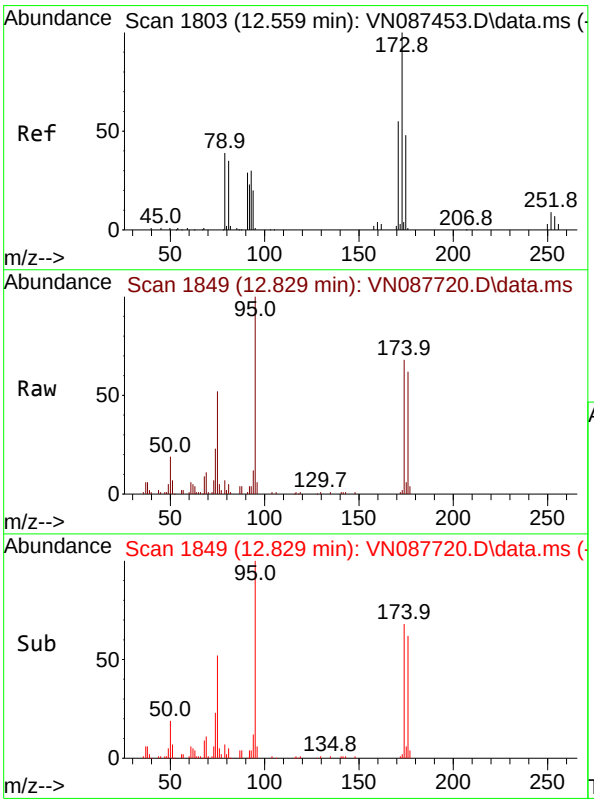


#50
1,1,2-Trichloroethane
Concen: 3.926 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 97 Resp: 9348

Ion	Ratio	Lower	Upper
97	100		
83	6.6	66.2	99.2#
85	0.0	43.9	65.9#
99	178.2	50.0	75.0#

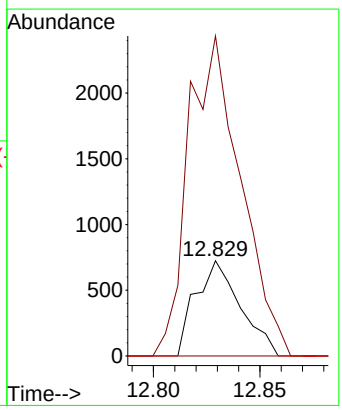


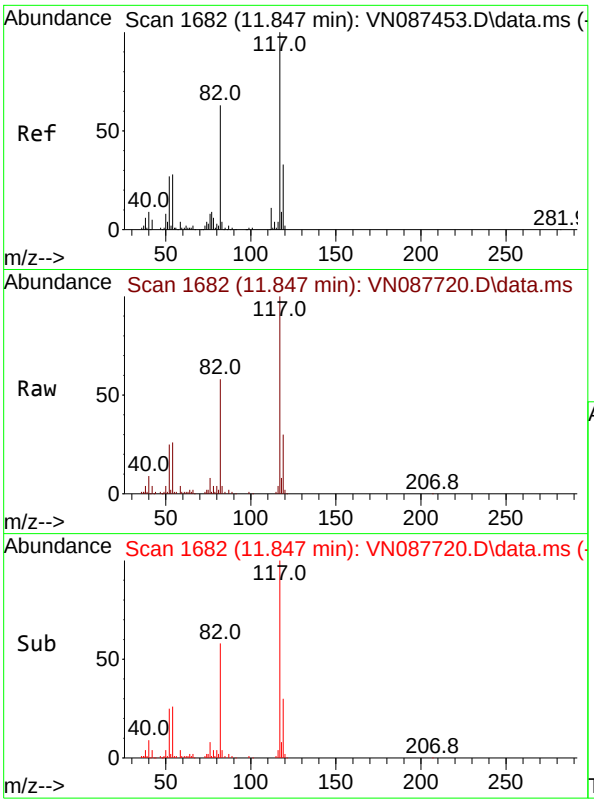


#56
Bromoform
Concen: 0.582 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.270 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion:173 Resp: 1059

Ion	Ratio	Lower	Upper
173	100		
175	393.6	38.8	58.2#
254	0.0	3.9	5.9#

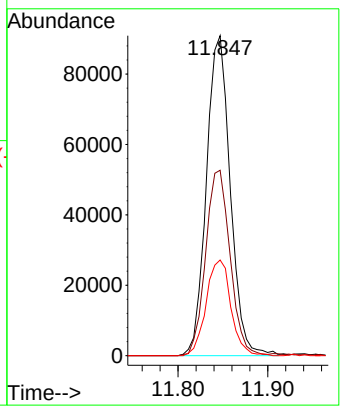


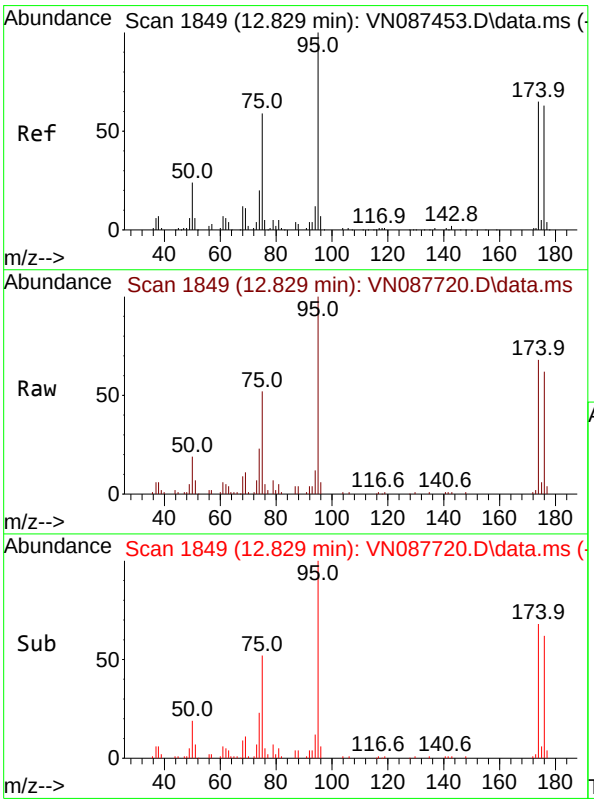


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion:117 Resp: 168068

Ion	Ratio	Lower	Upper
117	100		
82	59.3	49.2	73.8
119	30.9	25.7	38.5

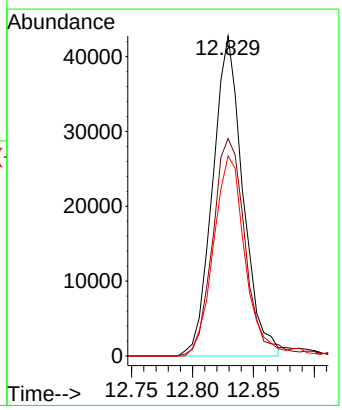


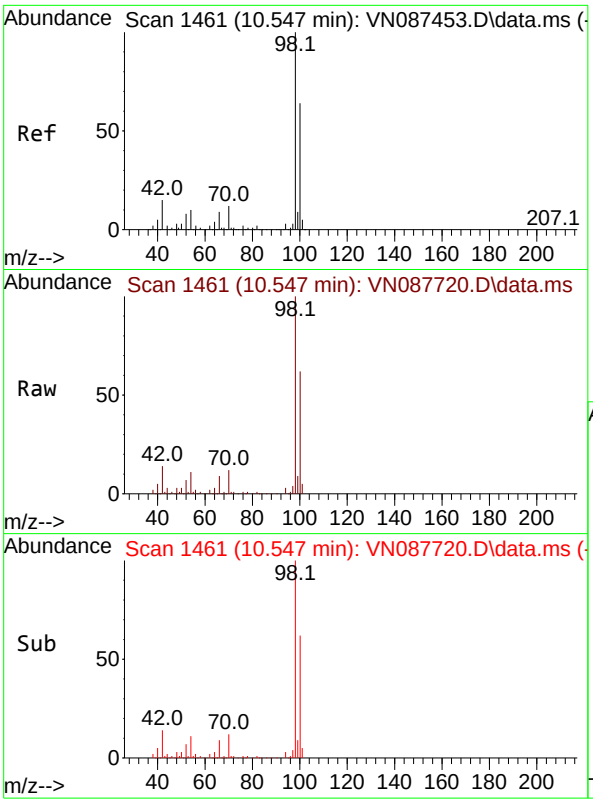


#60
4-Bromofluorobenzene
Concen: 25.522 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 95 Resp: 73817

Ion	Ratio	Lower	Upper
95	100		
174	71.3	52.3	78.5
176	65.0	49.8	74.8

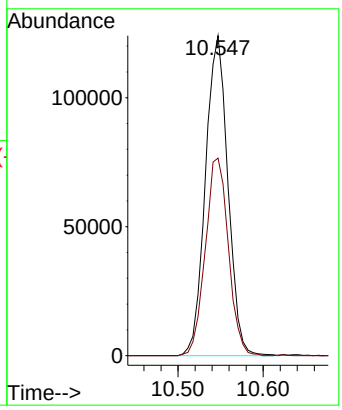


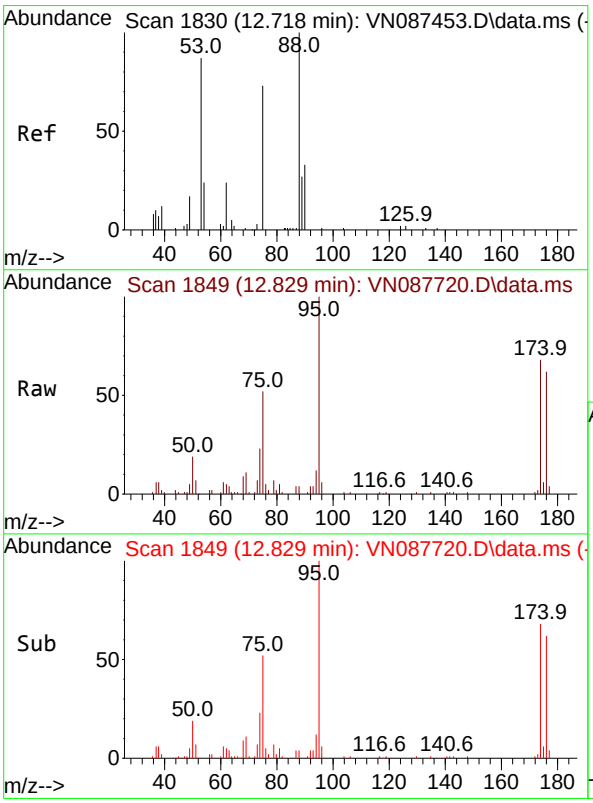


#63
Toluene-d8
Concen: 29.367 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 98 Resp: 227103

Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.5	75.7





#77
t-1,4-Dichloro-2-butene
Concen: 31.932 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087720.D
Acq: 04 Sep 2025 14:16

Tgt Ion: 75 Resp: 40927

Ion	Ratio	Lower	Upper
75	100		
53	0.0	59.0	176.8#
89	0.0	22.1	66.5#