Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
Data File : VN087718.D
Acq On : 04 Sep 2025 13:35
Operator : JC\MD
Sample : Q3017-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 05 02:20:21 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	24981	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	130931	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	117412	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	69122	29.999	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.000%			
60) 4-Bromofluorobenzene	12.829	95	51174	25.326	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.433%			
63) Toluene-d8	10.547	98	164231	30.400	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
13) Acrolein	4.153	56	204	0.529	ug/l	98
15) Acetone	4.412	58	303	0.962	ug/l #	1
16) Carbon Disulfide	4.700	76	982	0.231	ug/l #	75
36) 1,2-Dichloroethane	9.077	62	5642	2.071	ug/l #	77
50) 1,1,2-Trichloroethane	10.553	97	5485	3.348	ug/l #	1
56) Bromoform	12.829	173	300	0.240	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	29865	33.354	ug/l #	3

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

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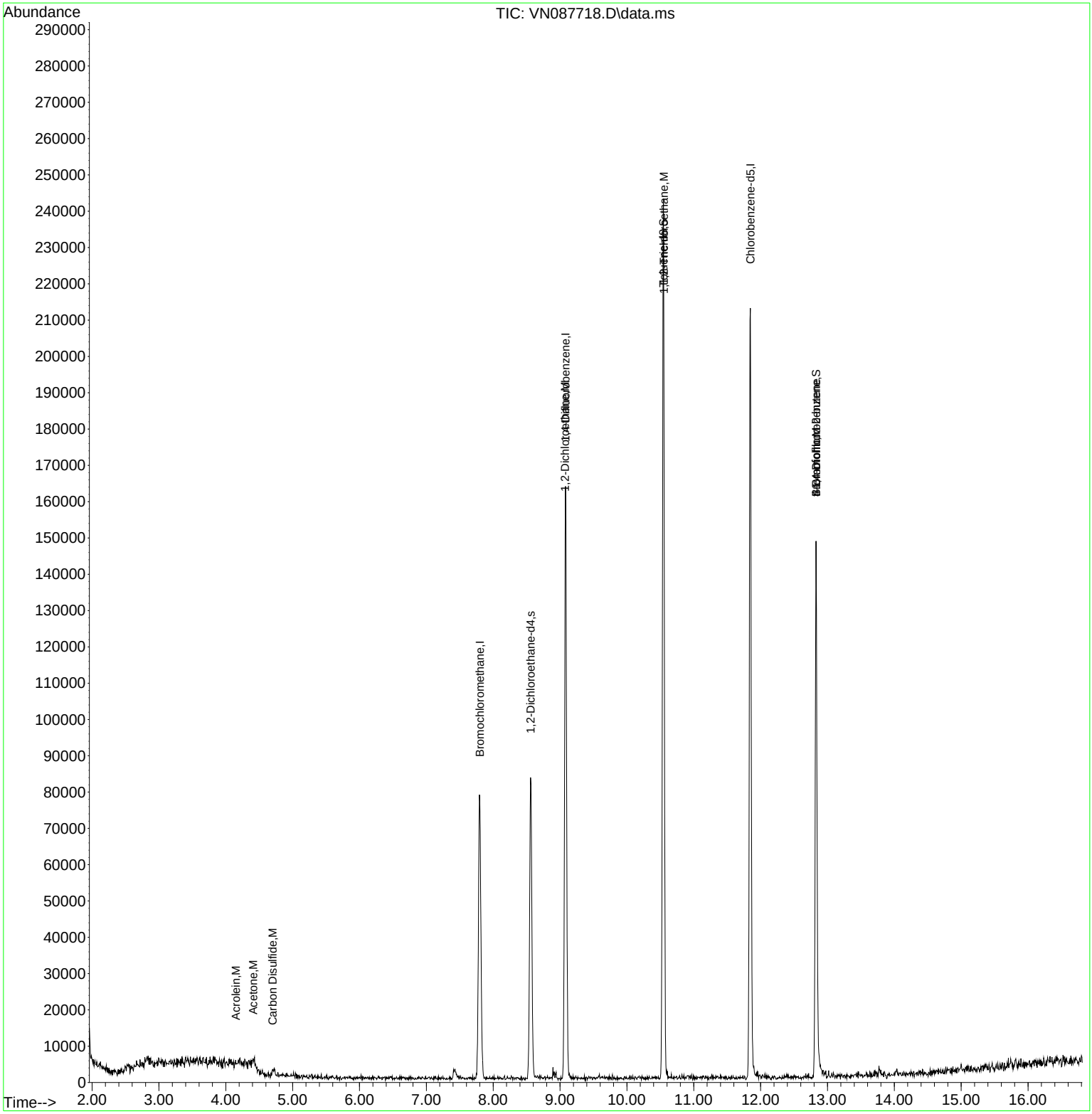
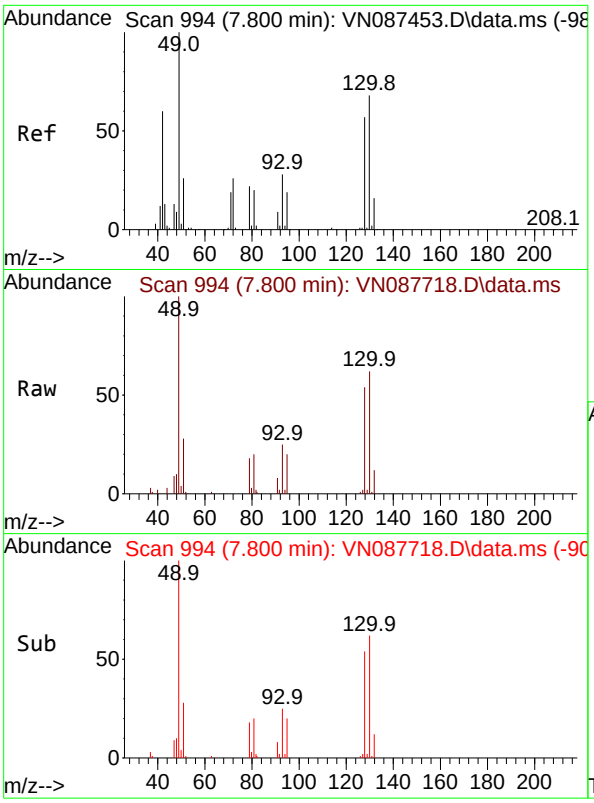
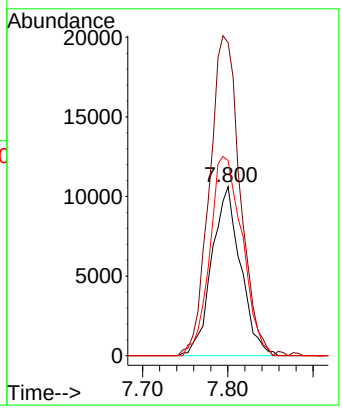


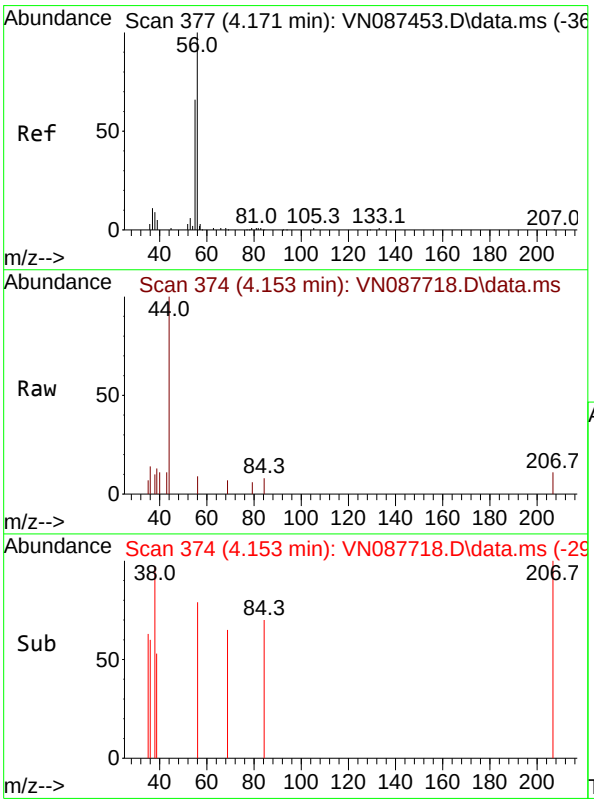


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion:128 Resp: 24981

Ion	Ratio	Lower	Upper
128	100		
49	200.7	0.0	494.8
130	132.5	0.0	321.5

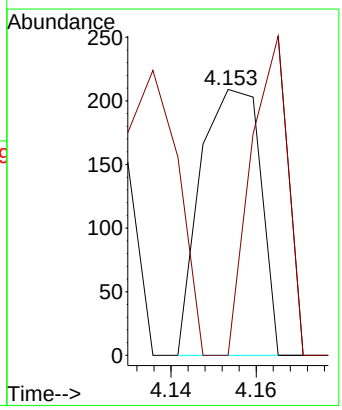


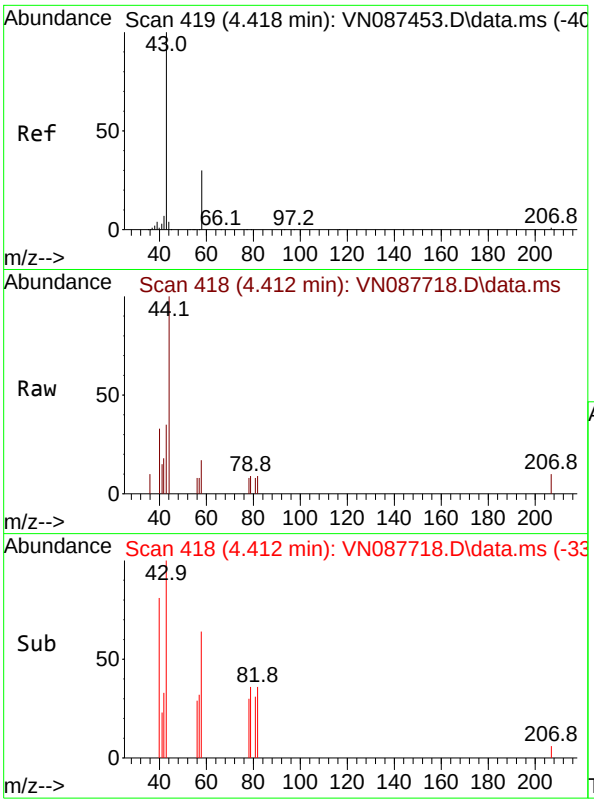


#13
Acrolein
Concen: 0.529 ug/l
RT: 4.153 min Scan# 374
Delta R.T. -0.018 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 56 Resp: 204

Ion	Ratio	Lower	Upper
56	100		
55	73.5	57.4	86.0

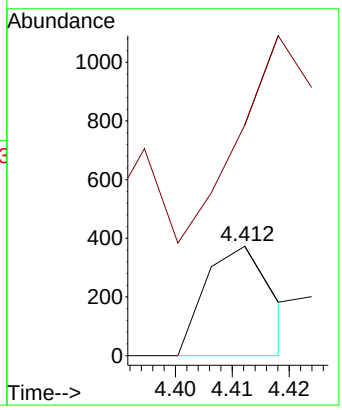


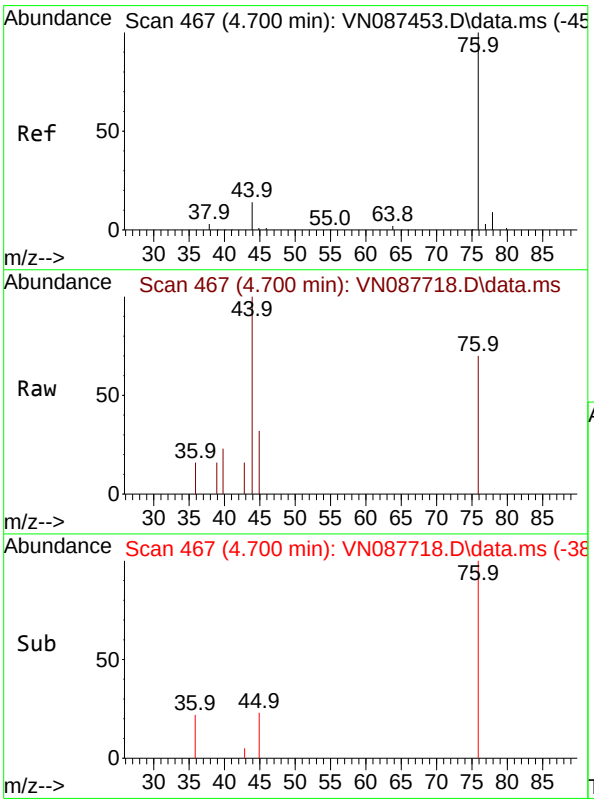


#15
Acetone
Concen: 0.962 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 58 Resp: 303

Ion	Ratio	Lower	Upper
58	100		
43	107.8	268.9	403.3#

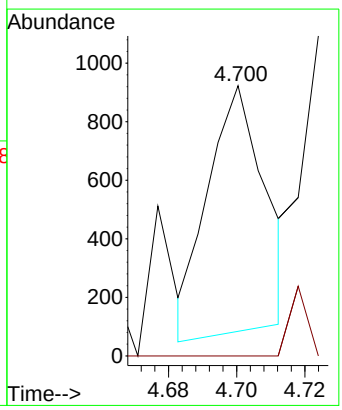


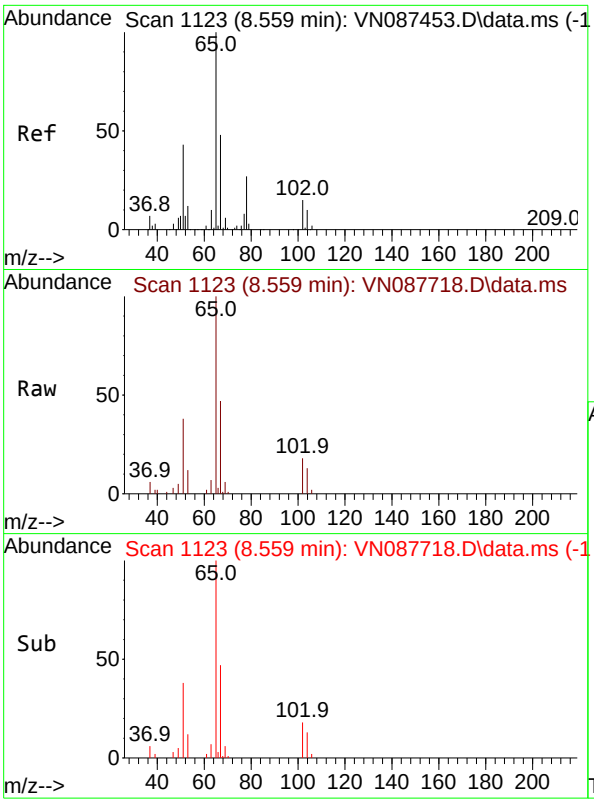


#16
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 76 Resp: 982

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.1	10.7#

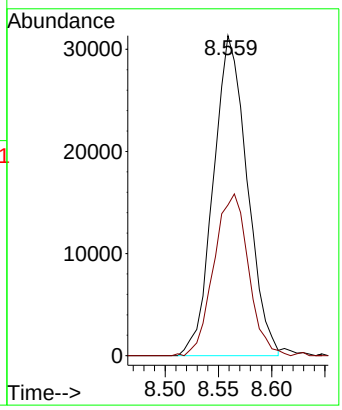


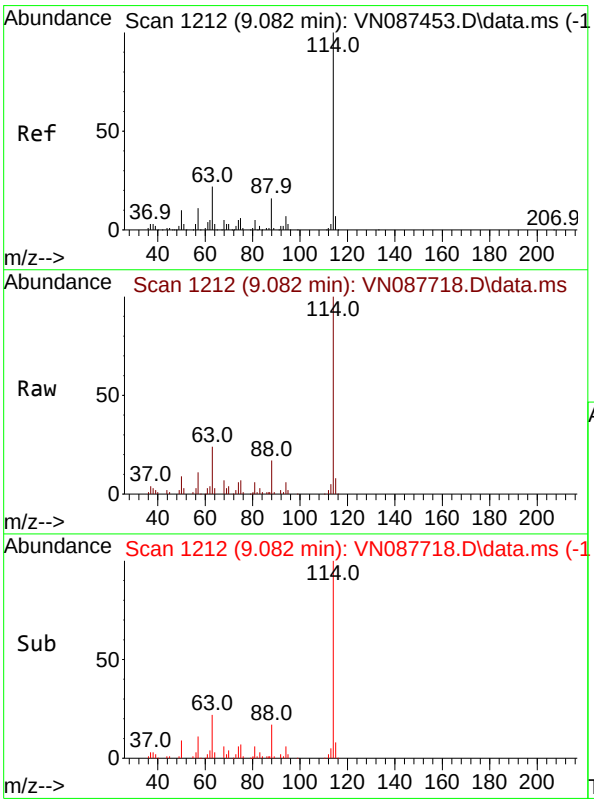


#27
1,2-Dichloroethane-d4
Concen: 29.999 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 65 Resp: 69122

Ion	Ratio	Lower	Upper
65	100		
67	51.6	40.8	61.2

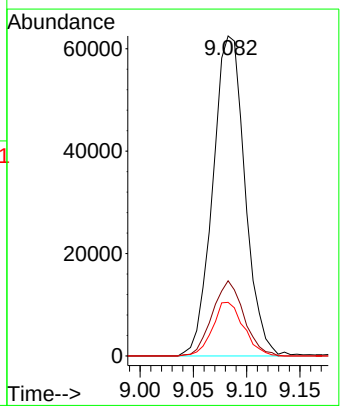


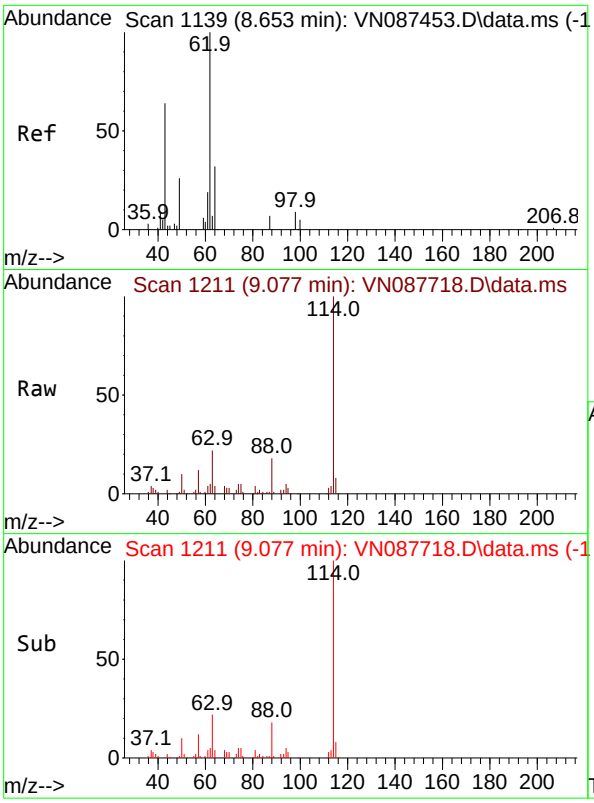


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion:114 Resp: 130931

Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.9	28.3
88	16.2	13.1	19.7

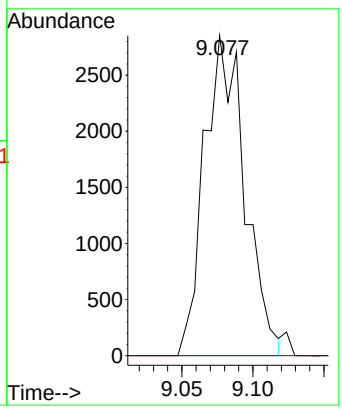


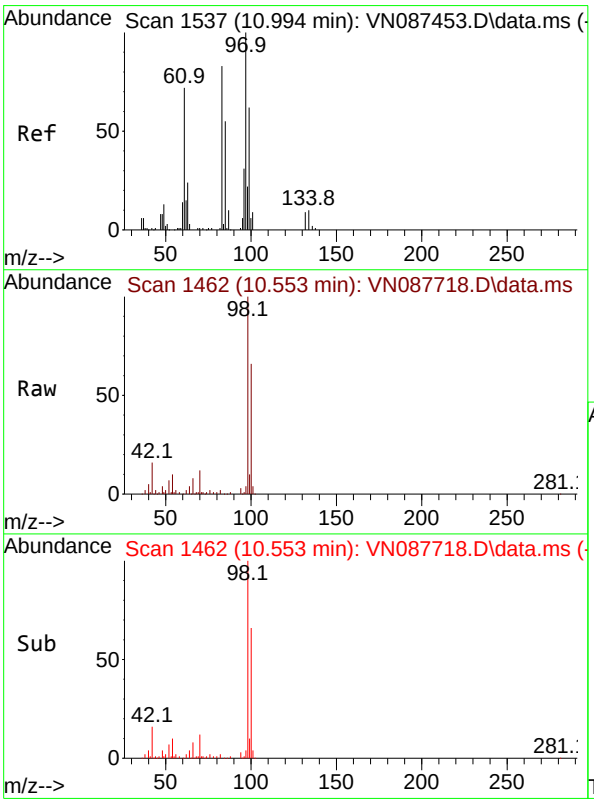


#36
1,2-Dichloroethane
Concen: 2.071 ug/l
RT: 9.077 min Scan# 1211
Delta R.T. 0.424 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 62 Resp: 5642

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#

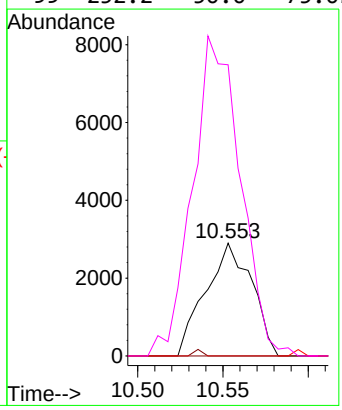


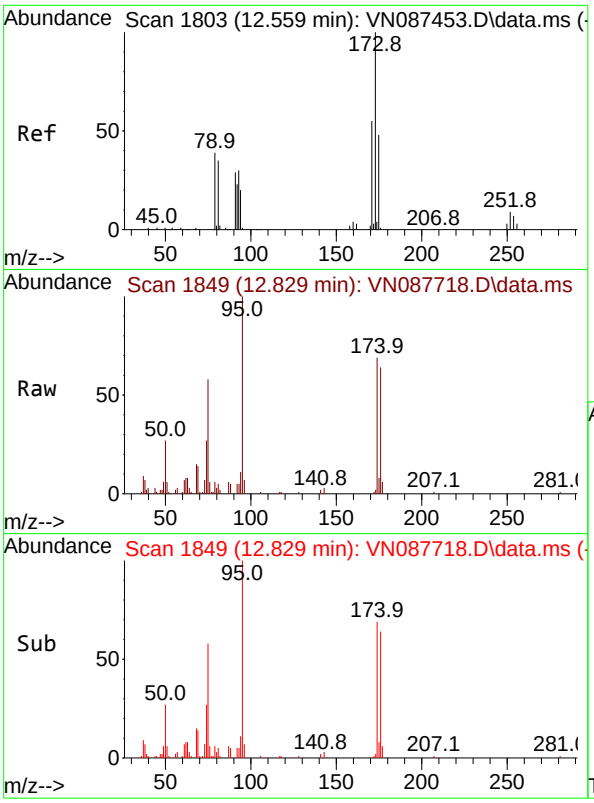


#50
1,1,2-Trichloroethane
Concen: 3.348 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 97 Resp: 5485

Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.2	99.2#
85	0.0	43.9	65.9#
99	252.2	50.0	75.0#

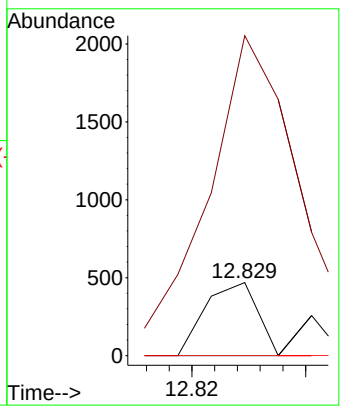


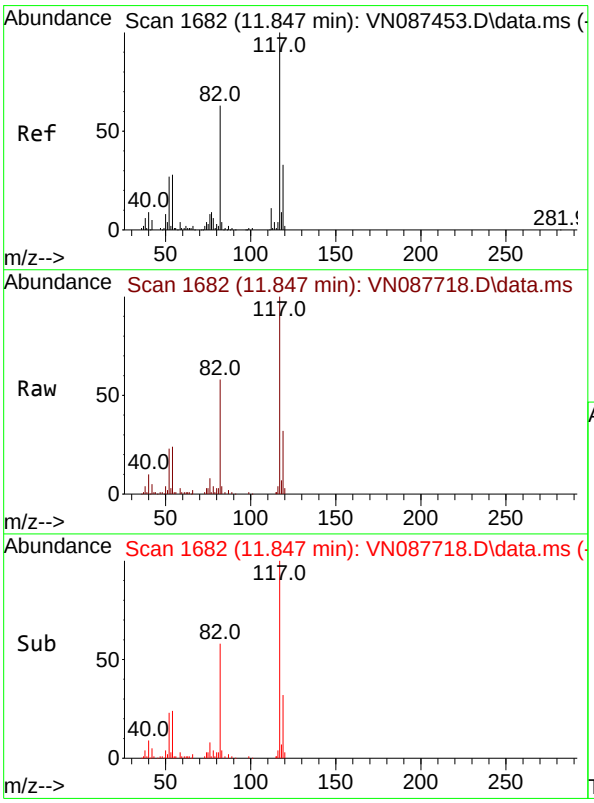


#56
Bromoform
Concen: 0.240 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion:173 Resp: 300

Ion	Ratio	Lower	Upper
173	100		
175	746.3	38.8	58.2#
254	0.0	3.9	5.9#

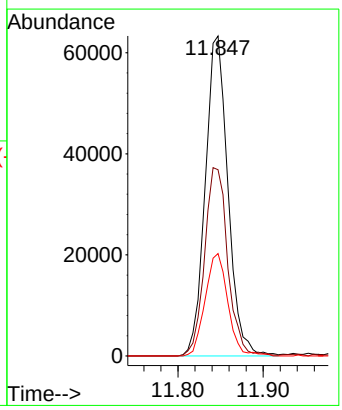


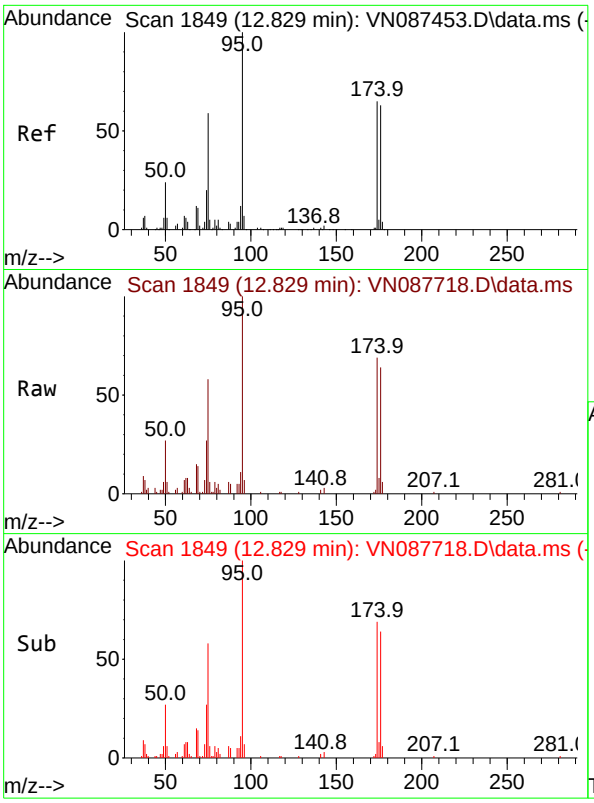


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion:117 Resp: 117412

Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	31.5	25.7	38.5

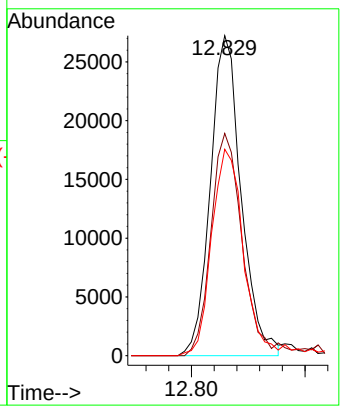


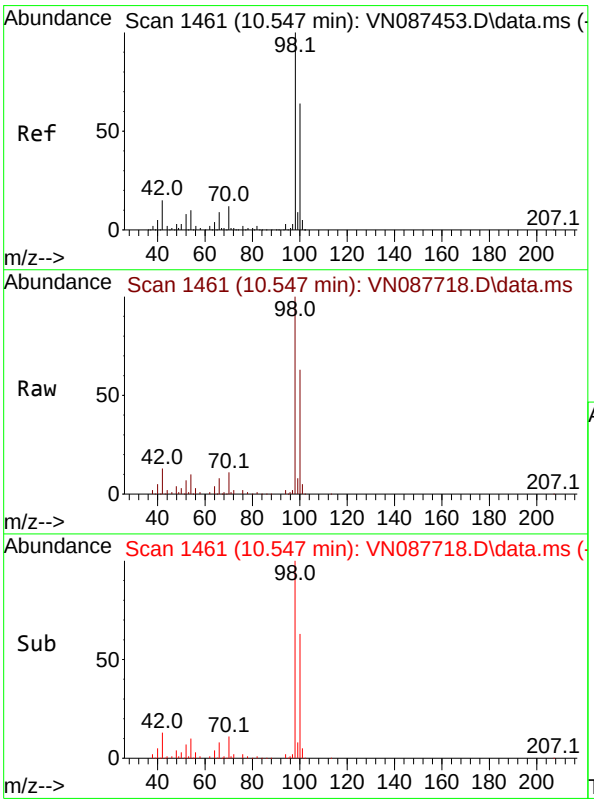


#60
4-Bromofluorobenzene
Concen: 25.326 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 95 Resp: 51174

Ion	Ratio	Lower	Upper
95	100		
174	69.4	52.3	78.5
176	66.0	49.8	74.8

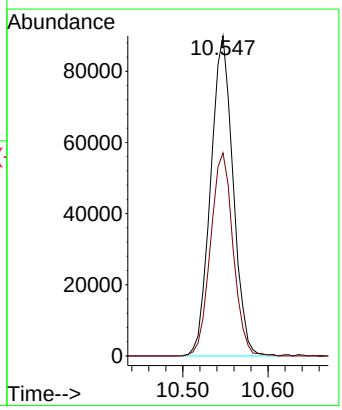


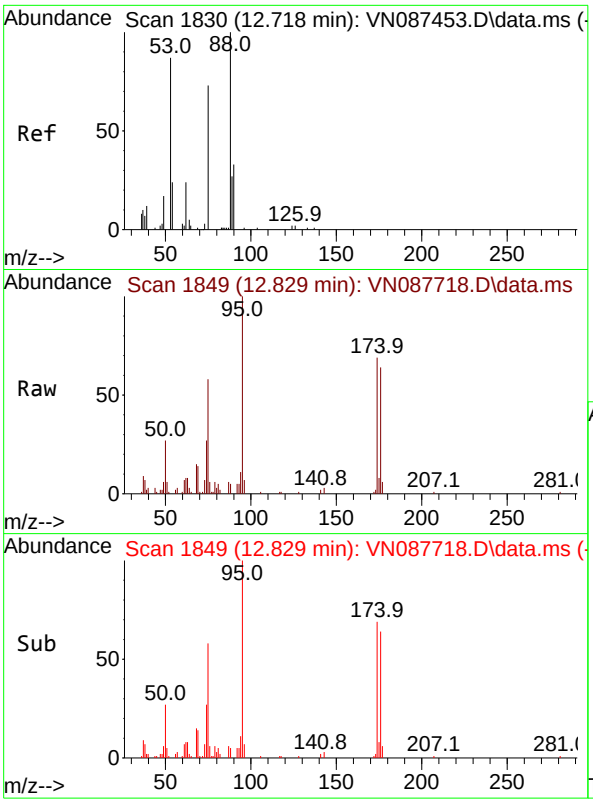


#63
Toluene-d8
Concen: 30.400 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 98 Resp: 164231

Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.5	75.7





#77
t-1,4-Dichloro-2-butene
Concen: 33.354 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087718.D
Acq: 04 Sep 2025 13:35

Tgt Ion: 75 Resp: 29865

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