Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
Data File : VN087872.D
Acq On : 17 Sep 2025 12:03
Operator : JC\MD
Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 18 03:09:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	50672	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	260263	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	234698	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	124770	28.825	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.067%			
60) 4-Bromofluorobenzene	12.829	95	99589	26.390	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 87.967%			
63) Toluene-d8	10.547	98	315410	28.898	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.333%			
Target Compounds						Qvalue
13) Acrolein	4.177	56	188	0.224	ug/l #	5
36) 1,2-Dichloroethane	9.083	62	8132	1.575	ug/l #	75
50) 1,1,2-Trichloroethane	10.553	97	11061	3.287	ug/l #	1
56) Bromoform	12.824	173	793	0.322	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.824	75	57325	34.425	ug/l #	14
90) Hexachlorobutadiene	15.470	225	983	0.829	ug/l	43
91) Naphthalene	15.612	128	2643	0.203	ug/l #	92

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

Quantitation Report (Not Reviewed)

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Acq On : 17 Sep 2025 12:03
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Sample : VN0917WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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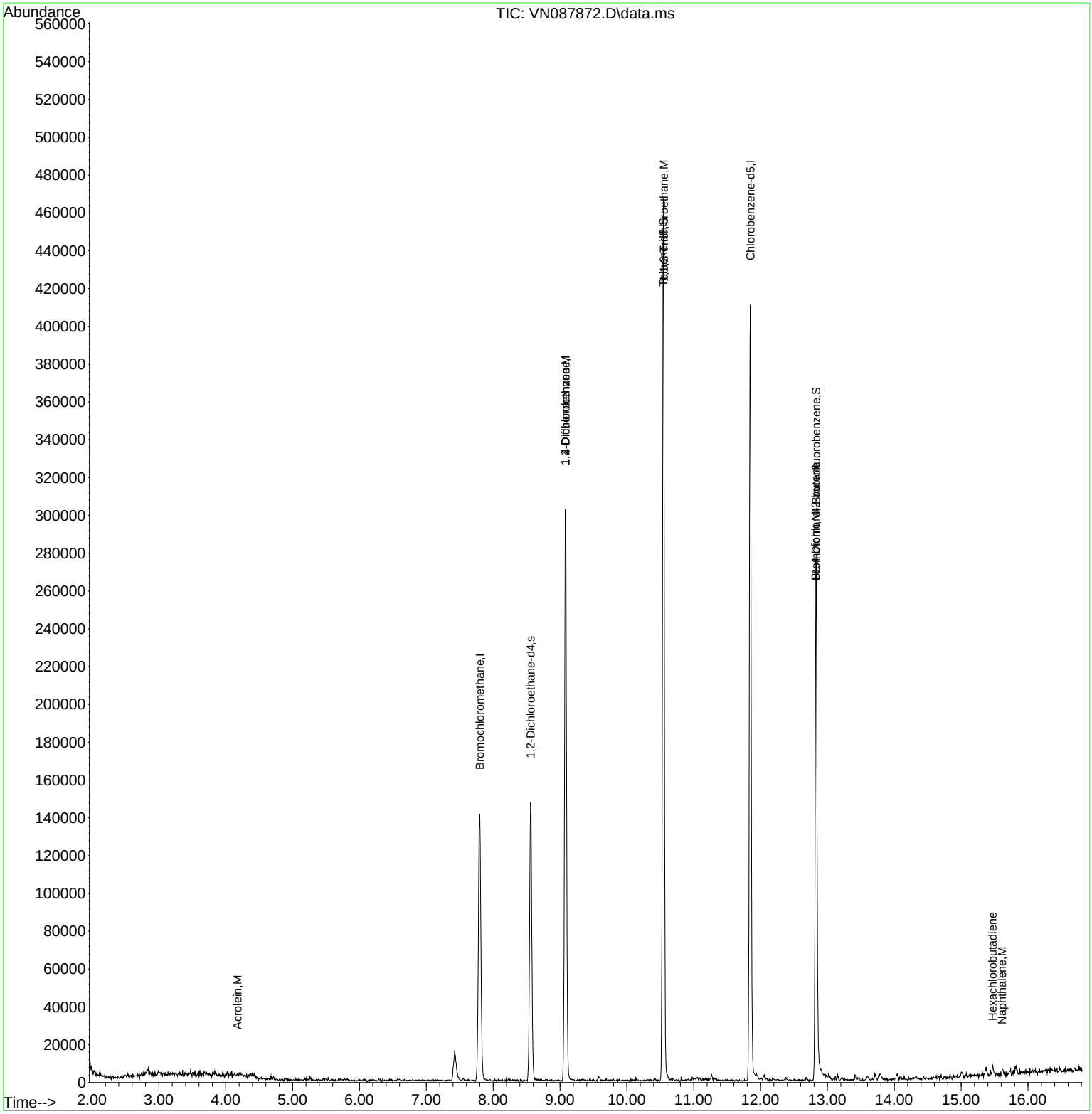
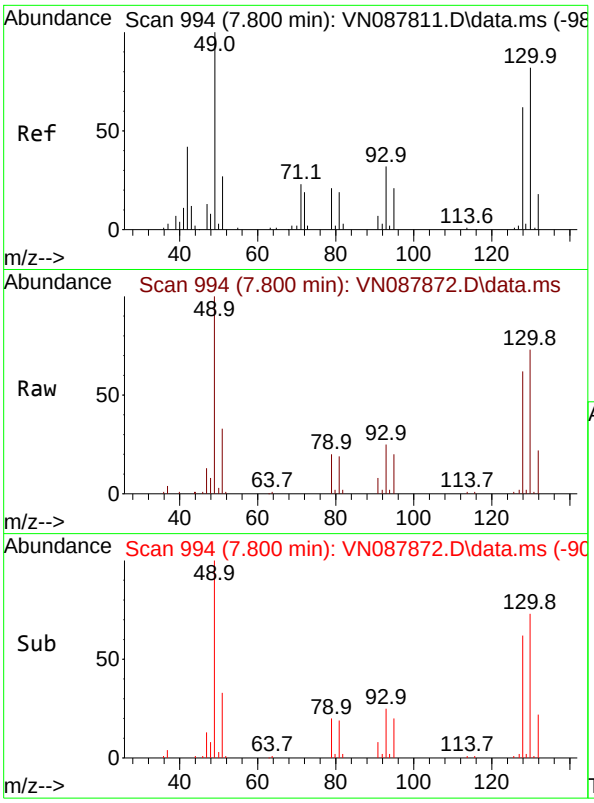


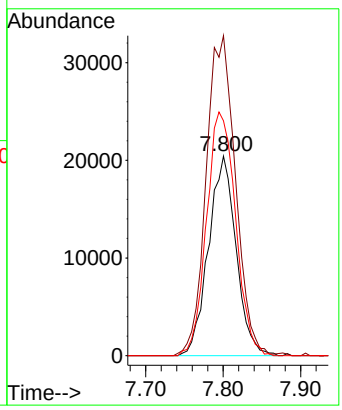


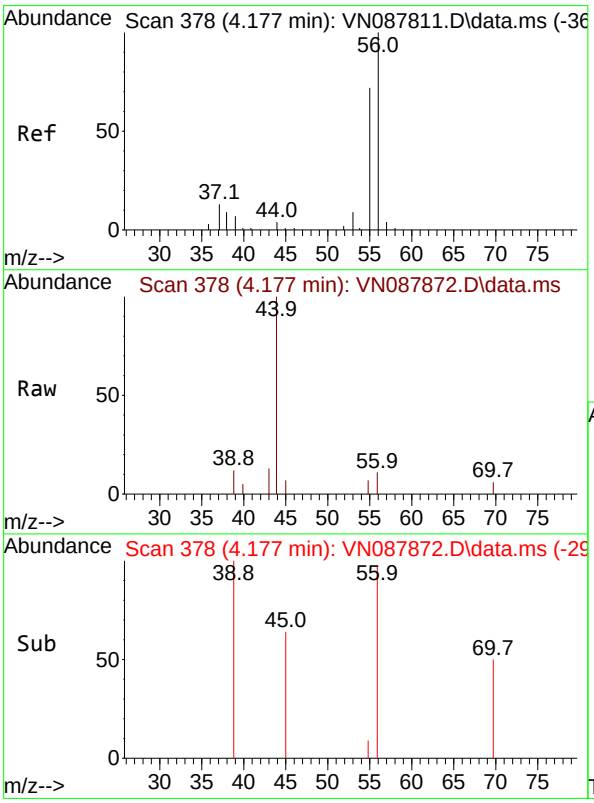
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 50672

Ion	Ratio	Lower	Upper
128	100		
49	170.0	0.0	464.3
130	128.5	0.0	300.5

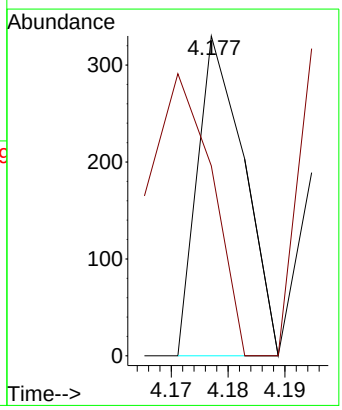


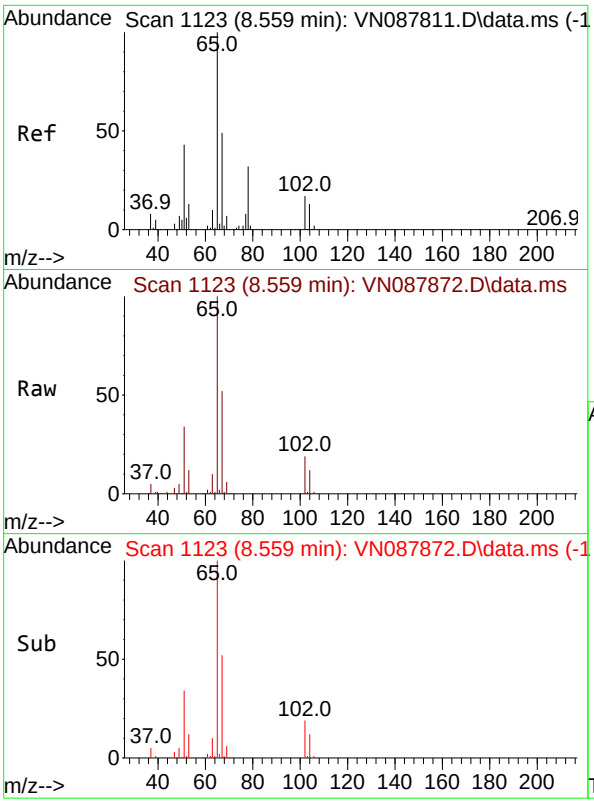


#13
Acrolein
Concen: 0.224 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion: 56 Resp: 188

Ion	Ratio	Lower	Upper
56	100		
55	91.5	28.6	42.8#



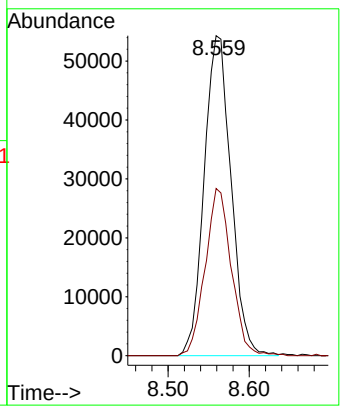


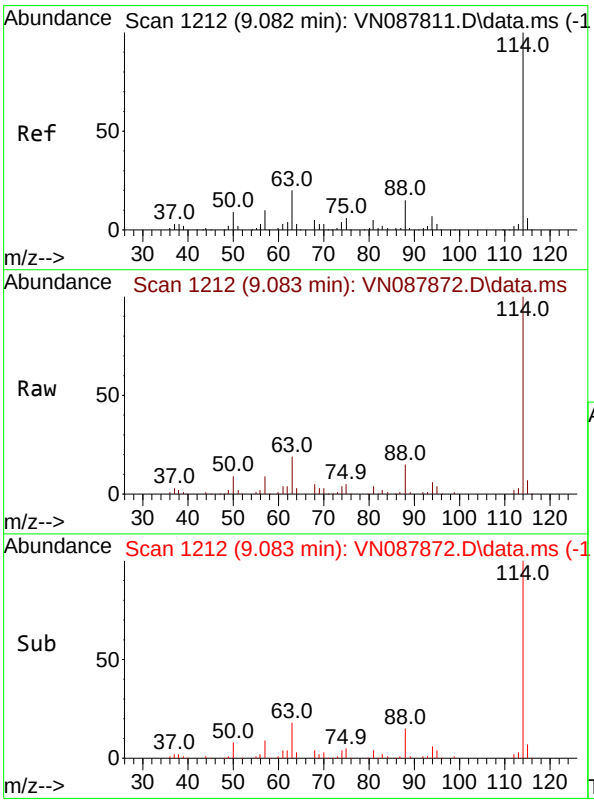
#27
1,2-Dichloroethane-d4
Concen: 28.825 ug/l
RT: 8.559 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 124770

Ion	Ratio	Lower	Upper
65	100		
67	50.9	39.6	59.4

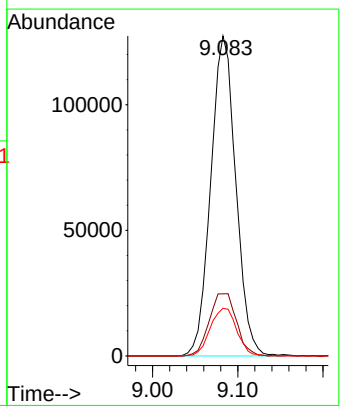


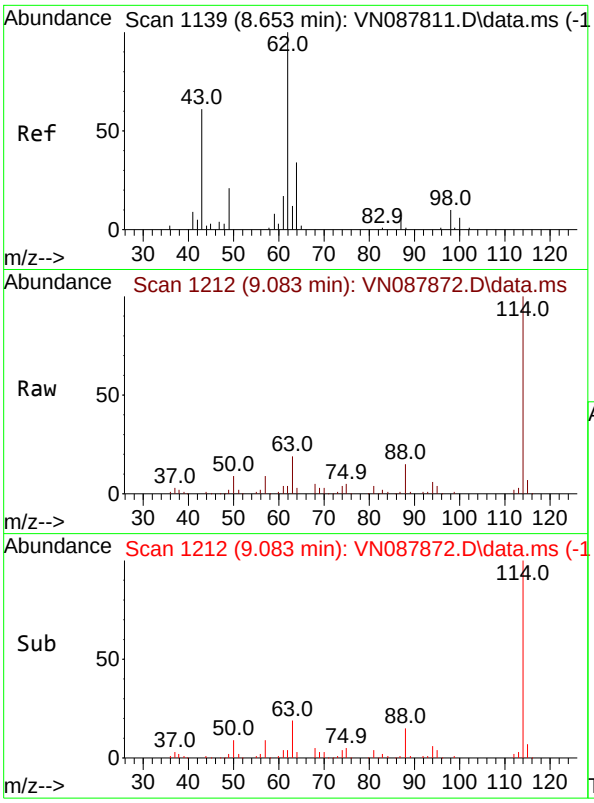


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion:114 Resp: 260263

Ion	Ratio	Lower	Upper
114	100		
63	21.1	18.3	27.5
88	15.7	12.4	18.6



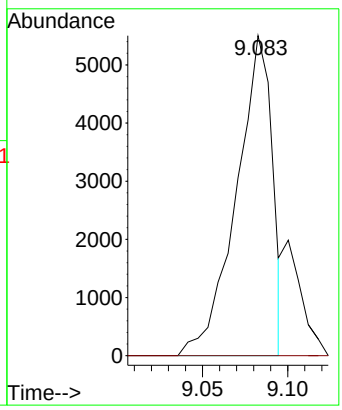


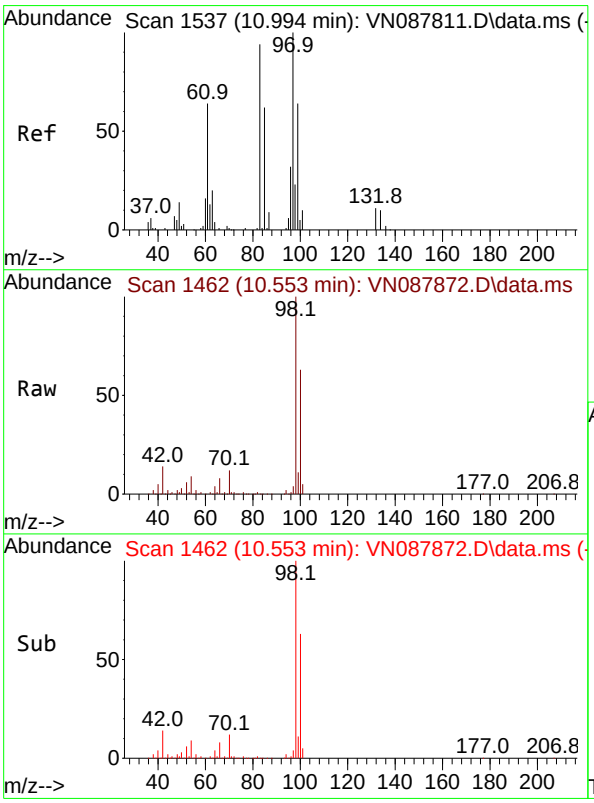
#36
1,2-Dichloroethane
Concen: 1.575 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.429 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 62 Resp: 8132

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#

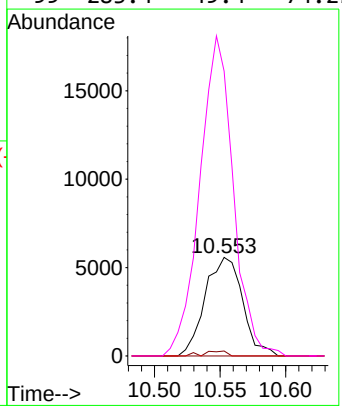


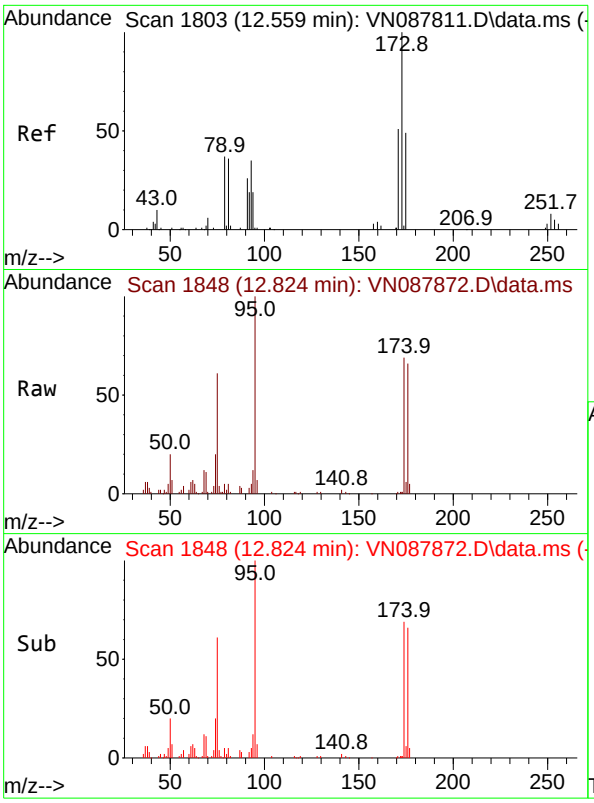


#50
1,1,2-Trichloroethane
Concen: 3.287 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion: 97 Resp: 11061

Ion	Ratio	Lower	Upper
97	100		
83	5.0	70.5	105.7#
85	0.0	46.3	69.5#
99	283.4	49.4	74.2#



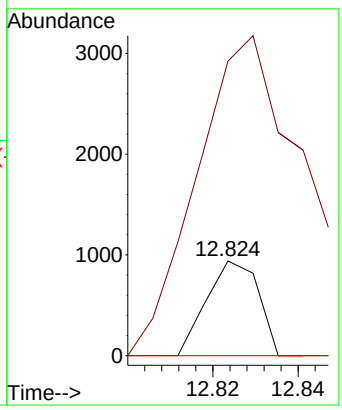


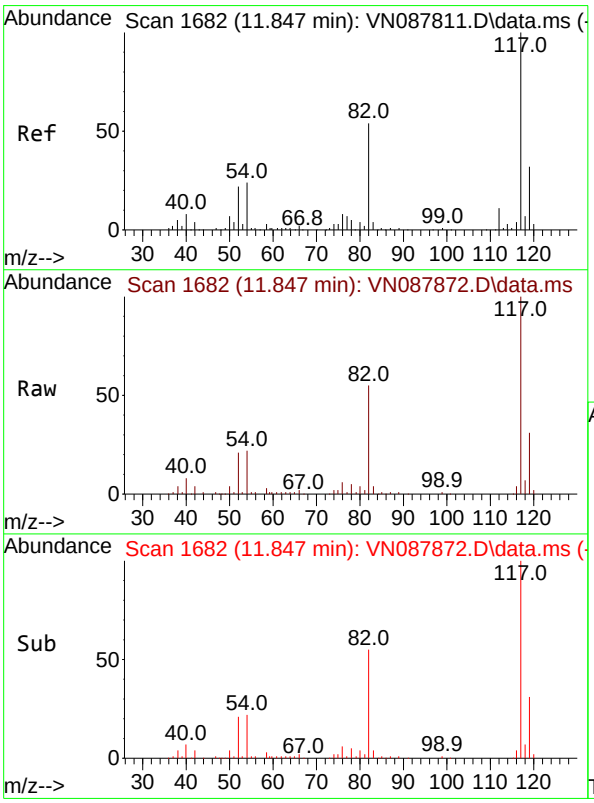
#56
Bromoform
Concen: 0.322 ug/l
RT: 12.824 min Scan# 1
Delta R.T. 0.265 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:173 Resp: 793

Ion	Ratio	Lower	Upper
173	100		
175	726.5	39.8	59.6#
254	0.0	6.2	9.4#

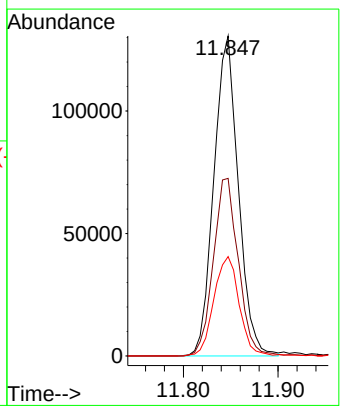


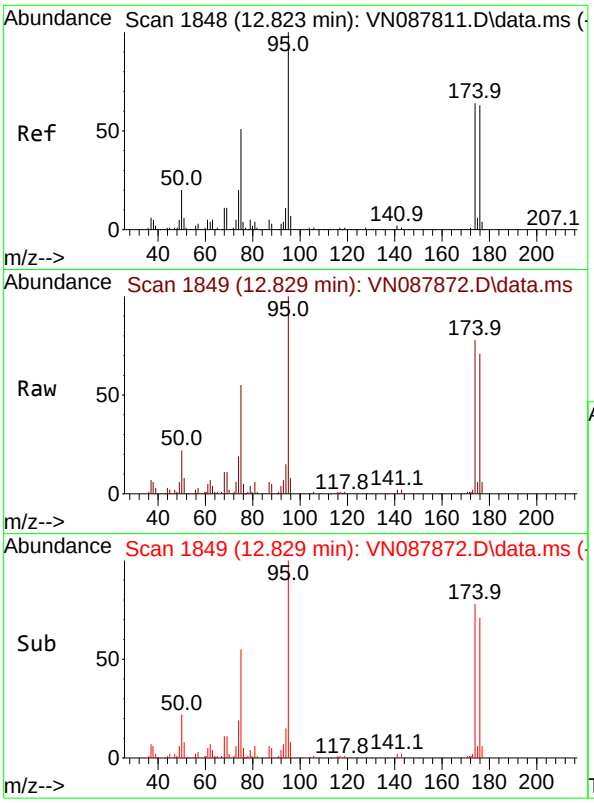


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion:117 Resp: 234698

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.9	68.9
119	32.0	25.3	37.9



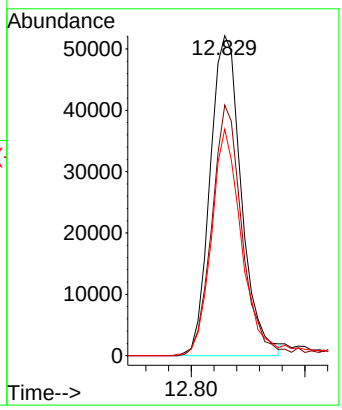


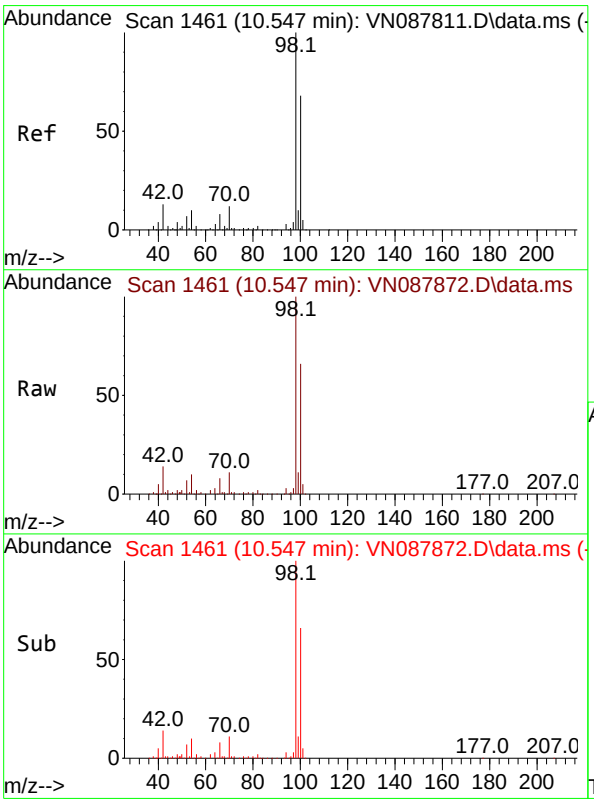
#60
4-Bromofluorobenzene
Concen: 26.390 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 99589

Ion	Ratio	Lower	Upper
95	100		
174	75.3	55.4	83.0
176	70.4	51.5	77.3

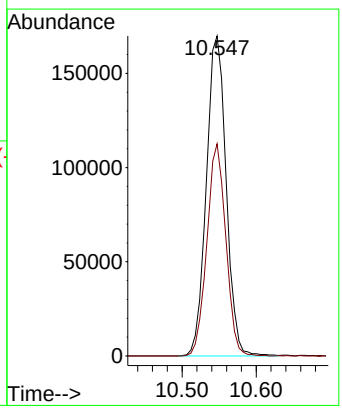


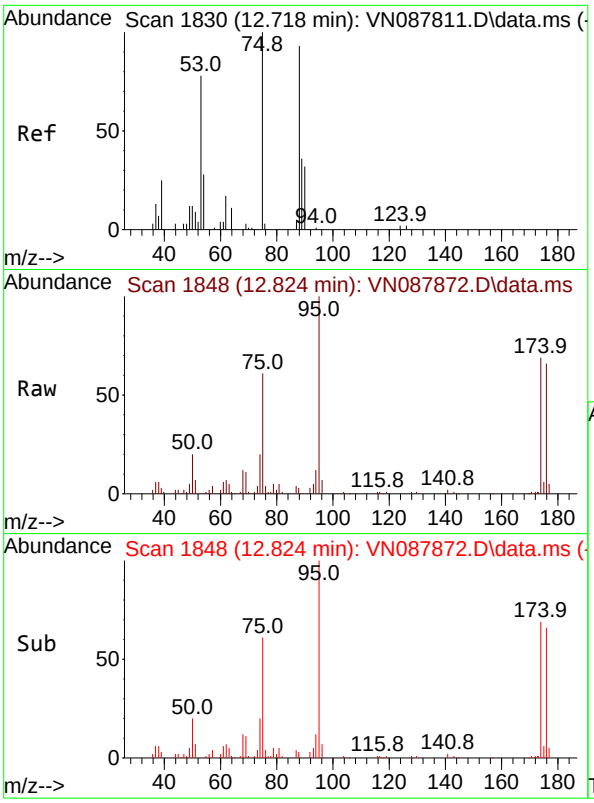


#63
Toluene-d8
Concen: 28.898 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion: 98 Resp: 315410

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.6	76.0



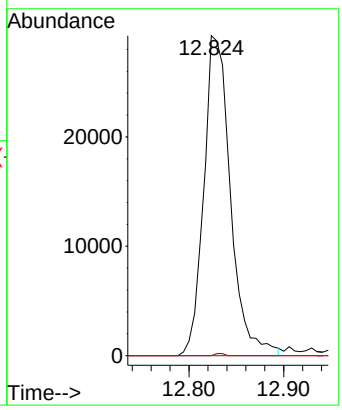


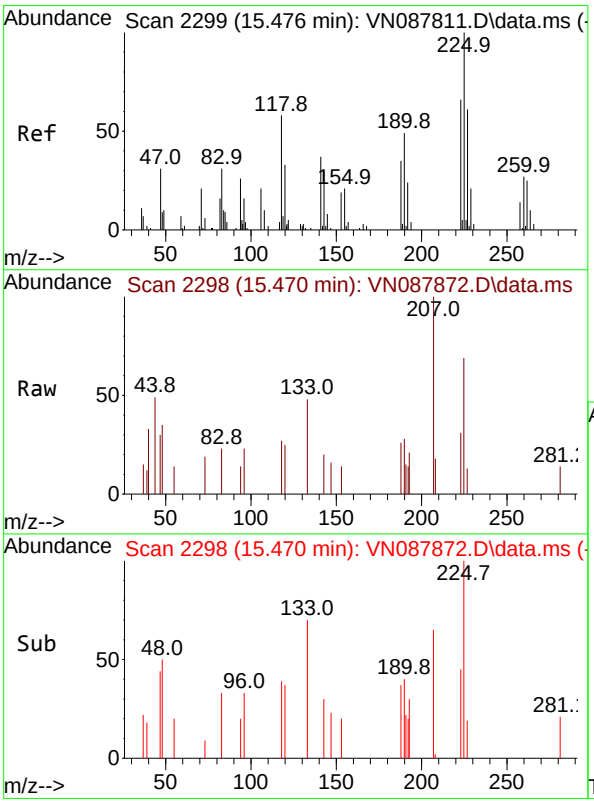
#77
t-1,4-Dichloro-2-butene
Concen: 34.425 ug/l
RT: 12.824 min Scan# 1
Delta R.T. 0.106 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 57325

Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.3	135.9#
89	0.0	18.8	56.3#

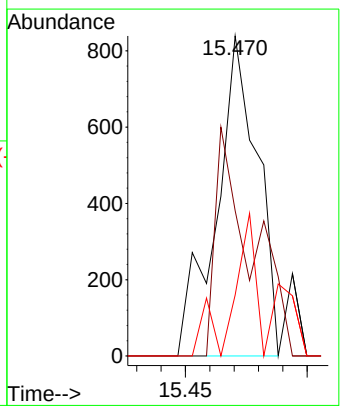


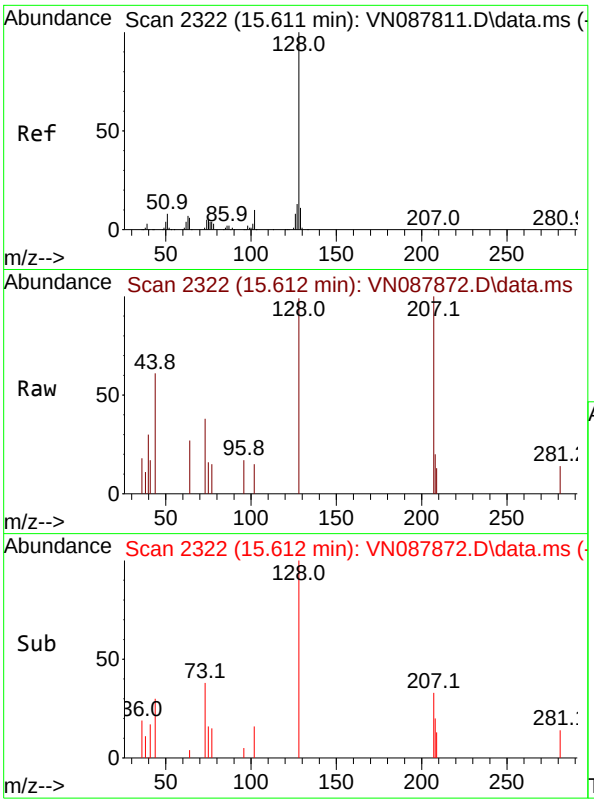


#90
Hexachlorobutadiene
Concen: 0.829 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Tgt Ion:225 Resp: 983

Ion	Ratio	Lower	Upper
225	100		
223	20.1	0.0	118.2
227	19.1	0.0	139.0





#91
Naphthalene
Concen: 0.203 ug/l
RT: 15.612 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087872.D
Acq: 17 Sep 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2643

Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.2	15.4#
129	6.7	8.3	12.5#