Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
Data File : VN087606.D
Acq On : 20 Aug 2025 10:39
Operator : JC\MD
Sample : VN0820WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Quant Time: Aug 21 02:40:59 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	50156	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	275670	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	241360	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	135822	29.360	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.867%			
60) 4-Bromofluorobenzene	12.829	95	113742	27.384	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.267%			
63) Toluene-d8	10.547	98	333295	30.012	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.033%			
Target Compounds						Qvalue
13) Acrolein	4.306	56	436	0.563	ug/l	86
15) Acetone	4.430	58	584	0.923	ug/l #	1
36) 1,2-Dichloroethane	9.082	62	11633	2.028	ug/l #	77
50) 1,1,2-Trichloroethane	10.553	97	12726	3.689	ug/l #	1
56) Bromoform	12.829	173	985	0.374	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	66236	35.986	ug/l #	4
89) 1,2,4-Trichlorobenzene	15.817	180	958	0.250	ug/l #	78

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

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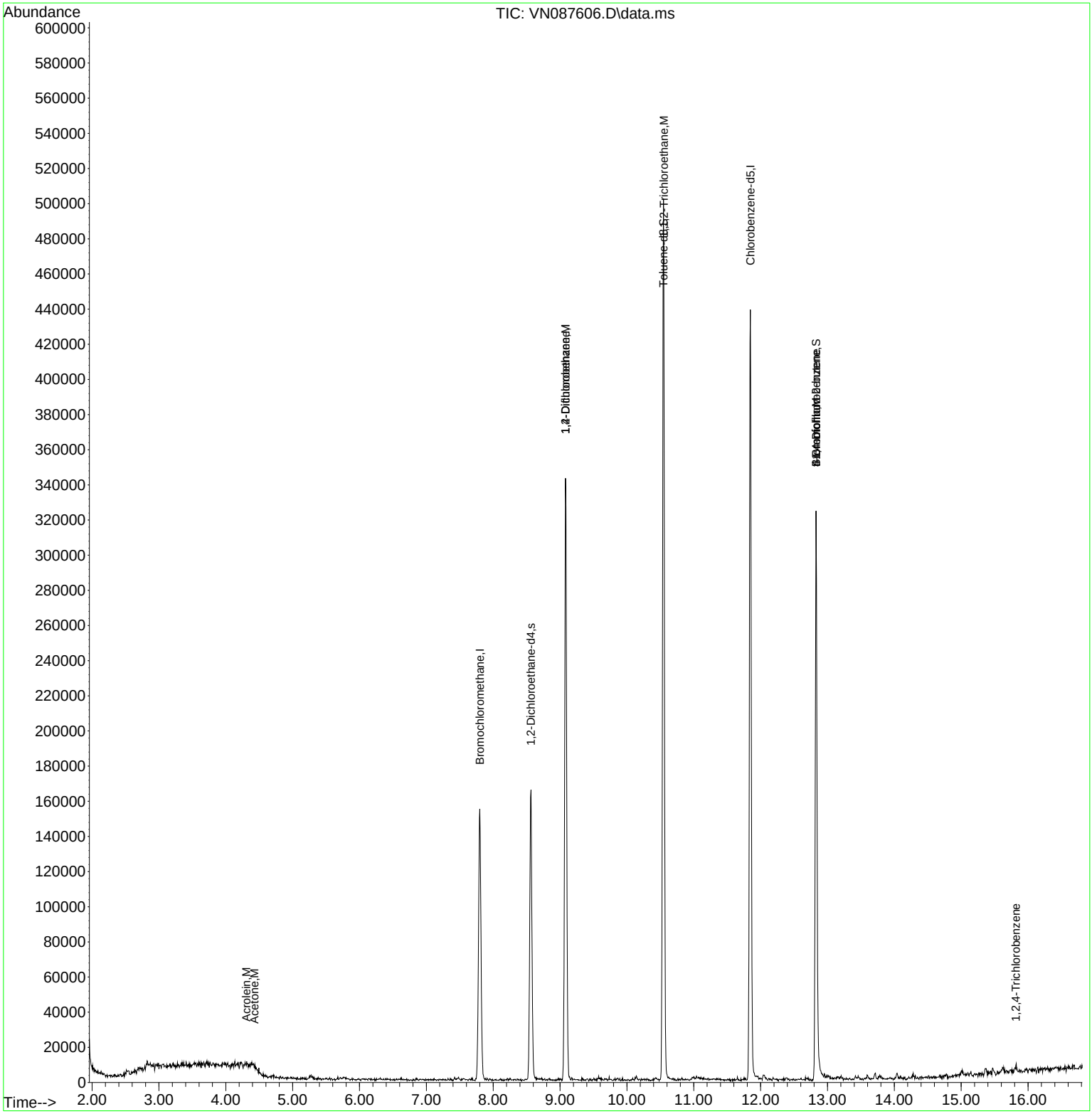
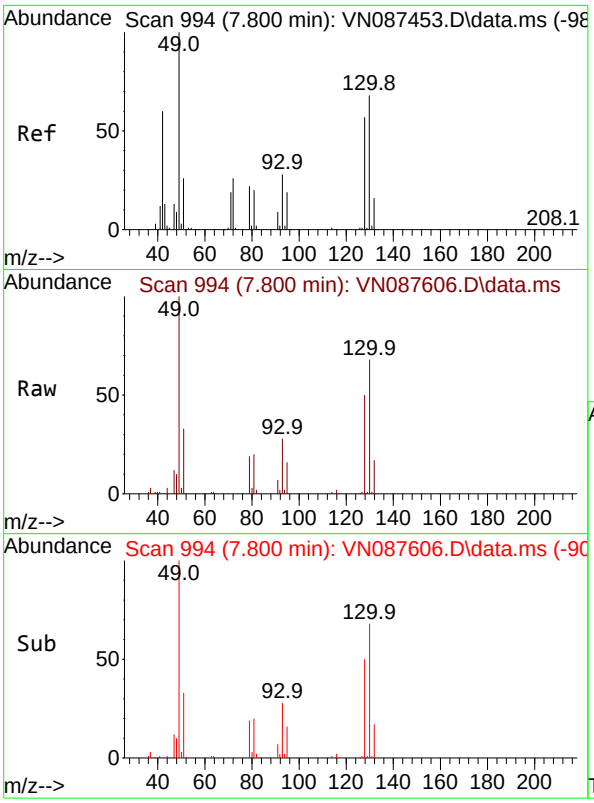


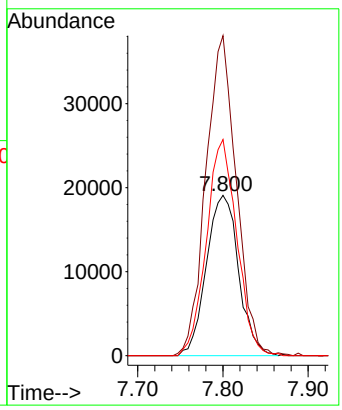


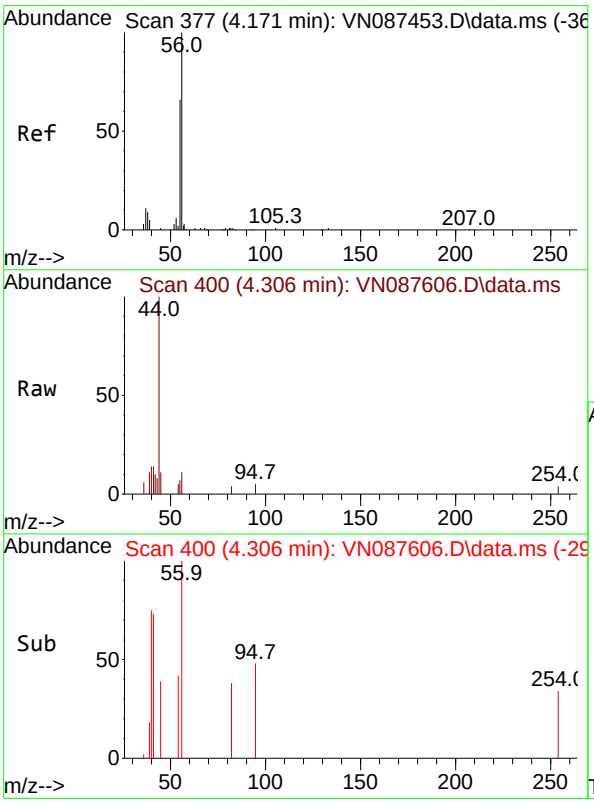
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion:128 Resp: 50156

Ion	Ratio	Lower	Upper
128	100		
49	187.7	0.0	494.8
130	127.2	0.0	321.5

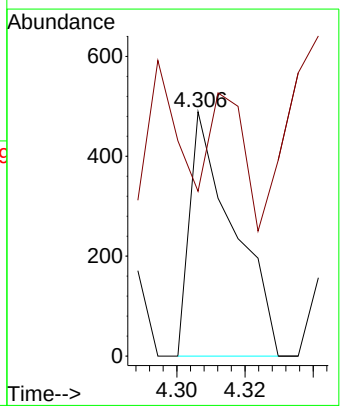


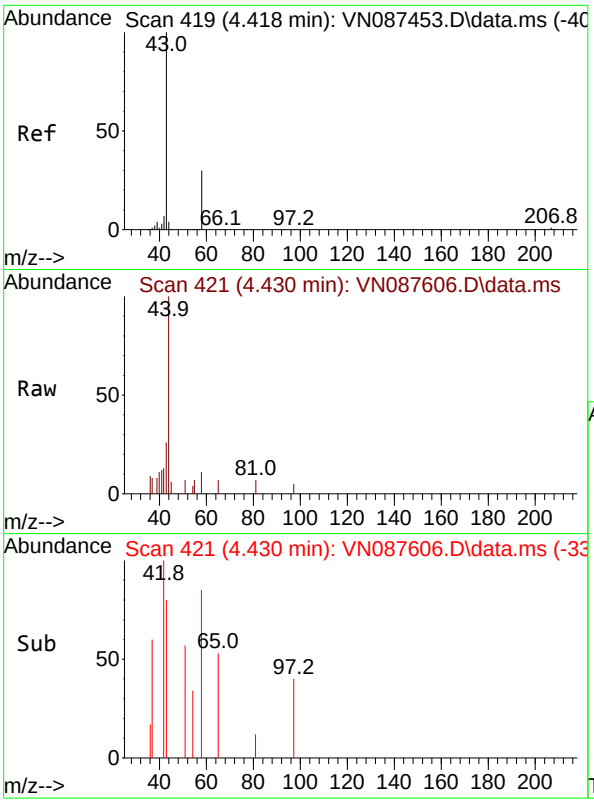


#13
Acrolein
Concen: 0.563 ug/l
RT: 4.306 min Scan# 400
Delta R.T. 0.135 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Tgt Ion: 56 Resp: 436

Ion	Ratio	Lower	Upper
56	100		
55	83.5	57.4	86.0



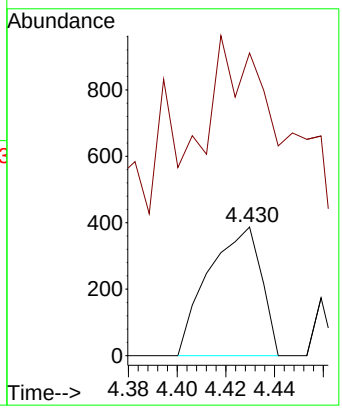


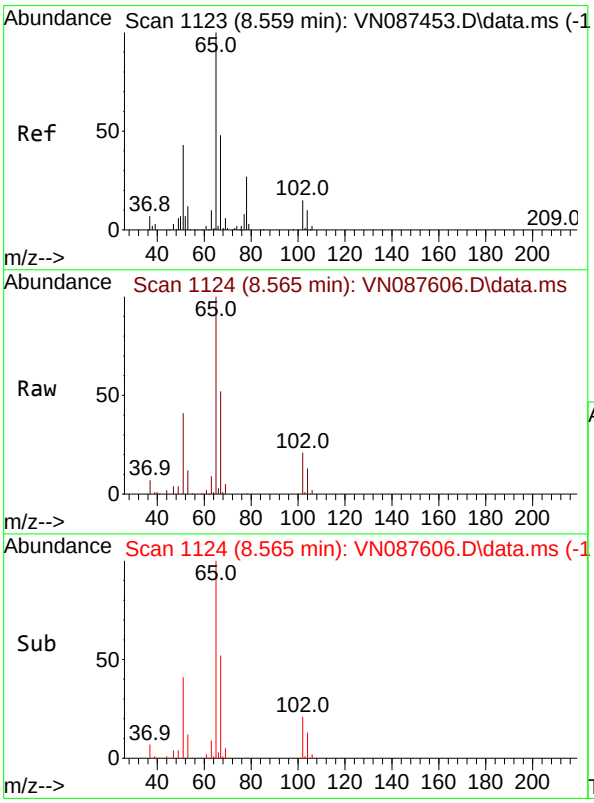
#15
Acetone
Concen: 0.923 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion: 58 Resp: 584

Ion	Ratio	Lower	Upper
58	100		
43	89.1	268.9	403.3#

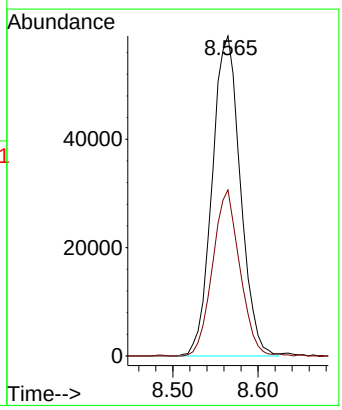


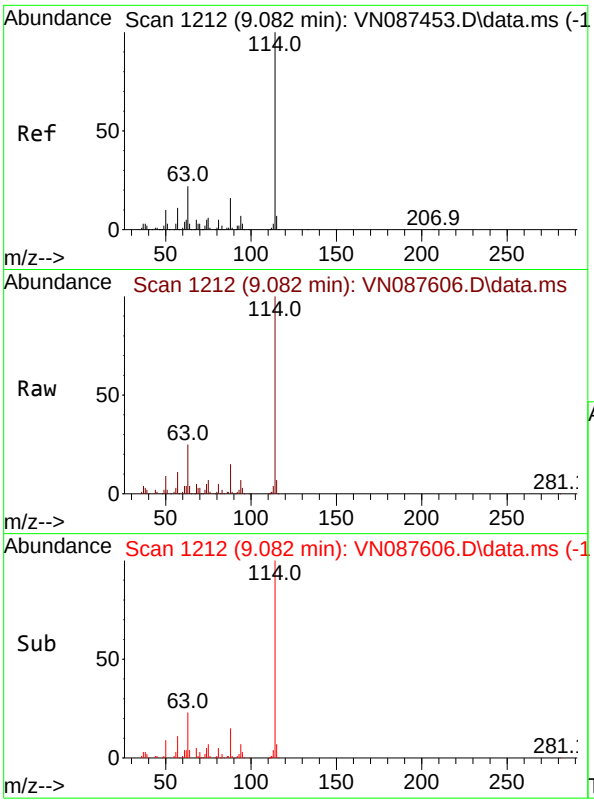


#27
1,2-Dichloroethane-d4
Concen: 29.360 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Tgt Ion: 65 Resp: 135822

Ion	Ratio	Lower	Upper
65	100		
67	49.9	40.8	61.2



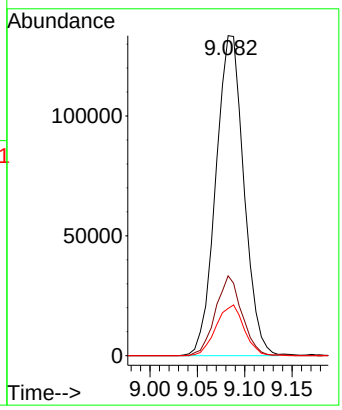


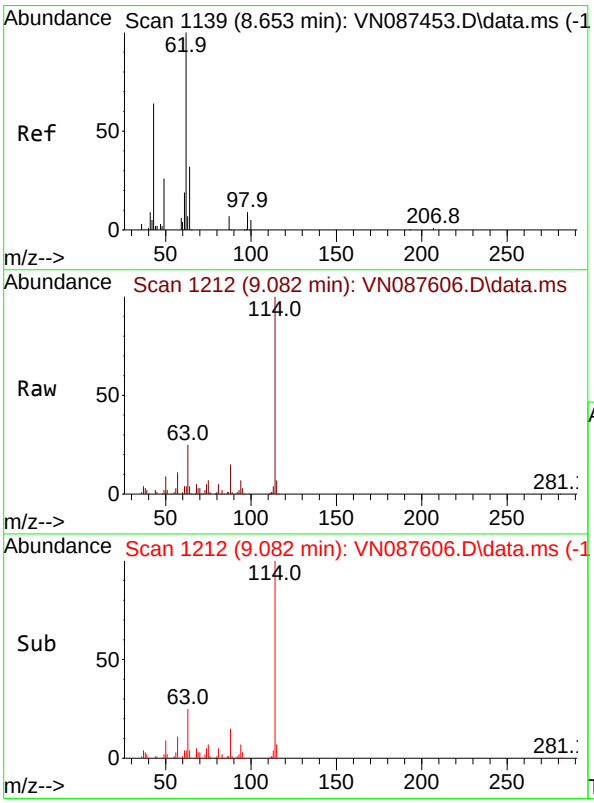
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion:114 Resp: 275670

Ion	Ratio	Lower	Upper
114	100		
63	23.4	18.9	28.3
88	15.9	13.1	19.7

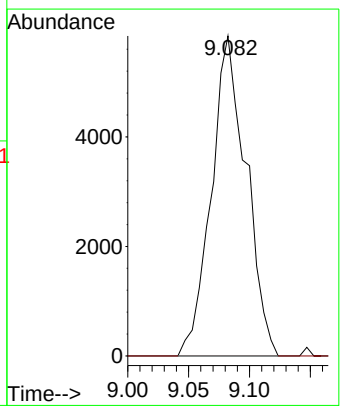


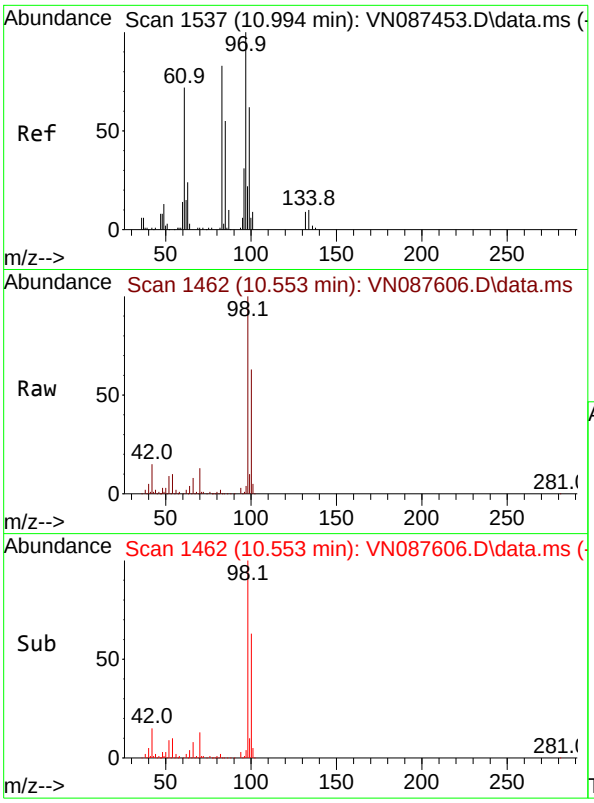


#36
1,2-Dichloroethane
Concen: 2.028 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.429 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Tgt Ion: 62 Resp: 11633

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#



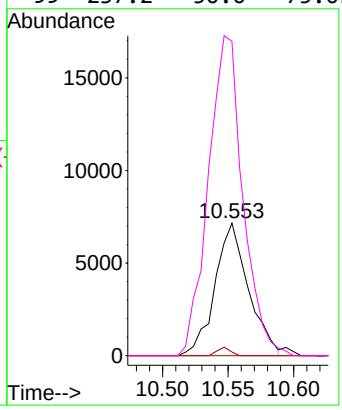


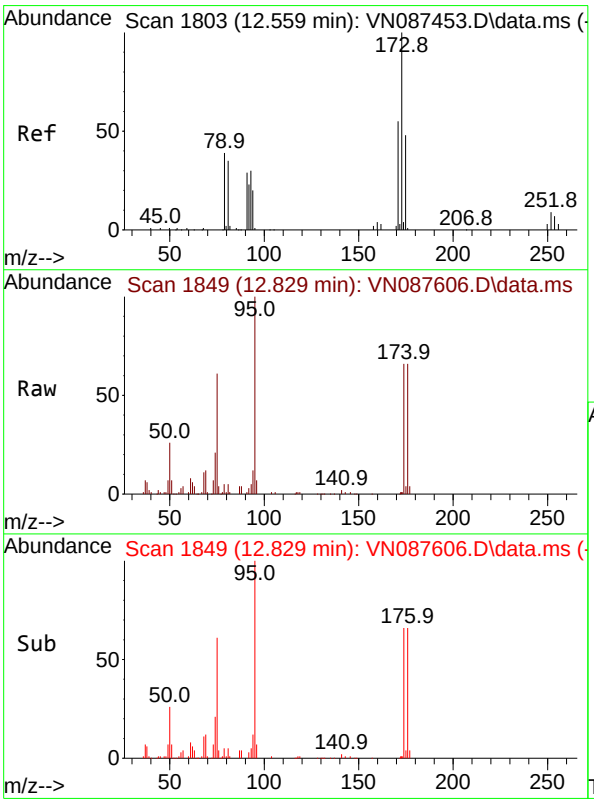
#50
1,1,2-Trichloroethane
Concen: 3.689 ug/l
RT: 10.553 min Scan# 14
Delta R.T. -0.441 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion: 97 Resp: 12726

Ion	Ratio	Lower	Upper
97	100		
83	2.8	66.2	99.2#
85	0.0	43.9	65.9#
99	237.2	50.0	75.0#

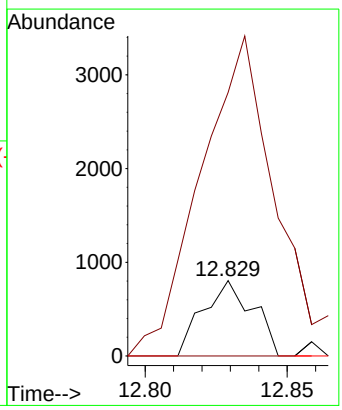


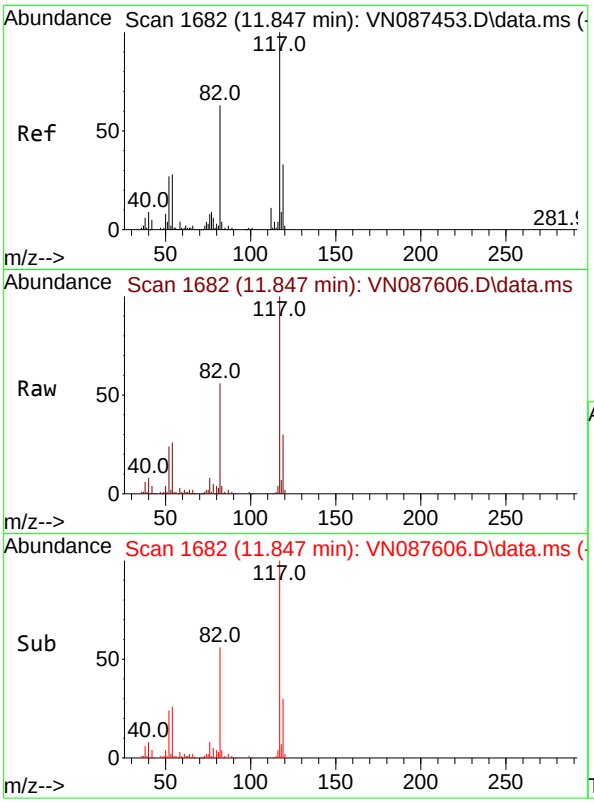


#56
Bromoform
Concen: 0.374 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.270 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Tgt Ion:173 Resp: 985

Ion	Ratio	Lower	Upper
173	100		
175	631.9	38.8	58.2#
254	0.0	3.9	5.9#



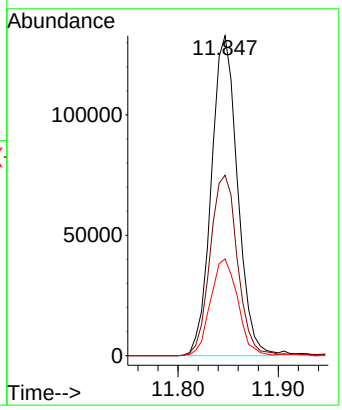


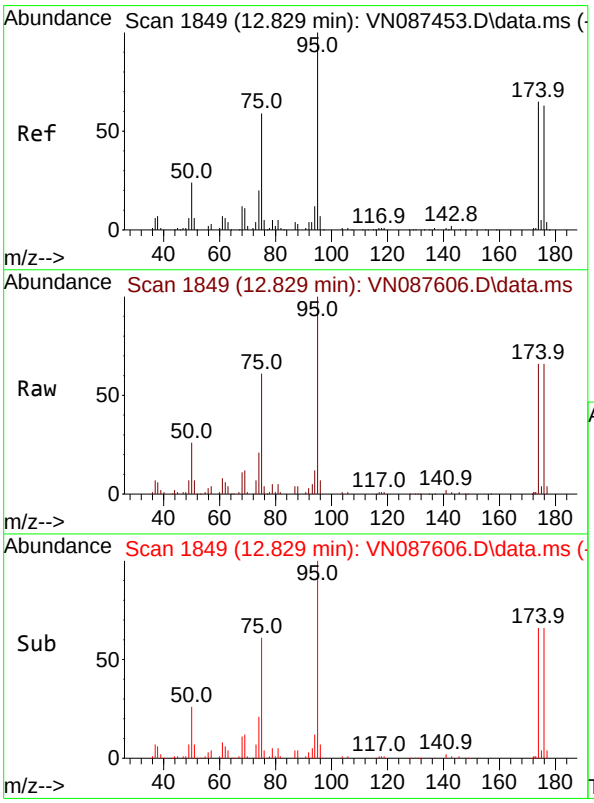
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion:117 Resp: 241360

Ion	Ratio	Lower	Upper
117	100		
82	58.8	49.2	73.8
119	31.4	25.7	38.5

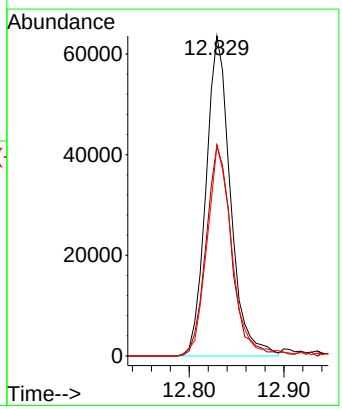


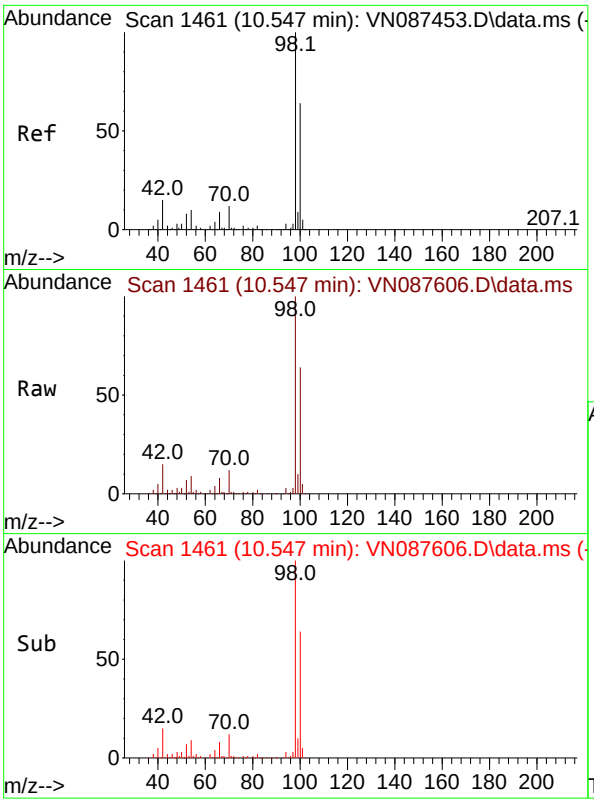


#60
4-Bromofluorobenzene
Concen: 27.384 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Tgt Ion: 95 Resp: 113742

Ion	Ratio	Lower	Upper
95	100		
174	68.1	52.3	78.5
176	67.4	49.8	74.8



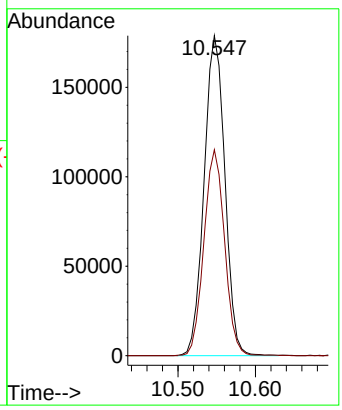


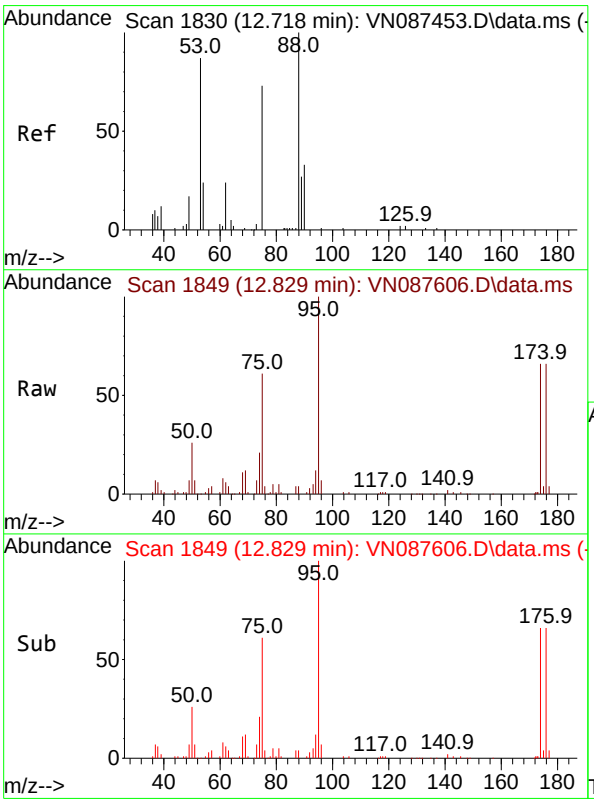
#63
Toluene-d8
Concen: 30.012 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion: 98 Resp: 333295

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.5	75.7

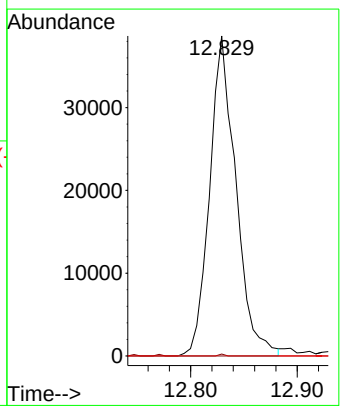


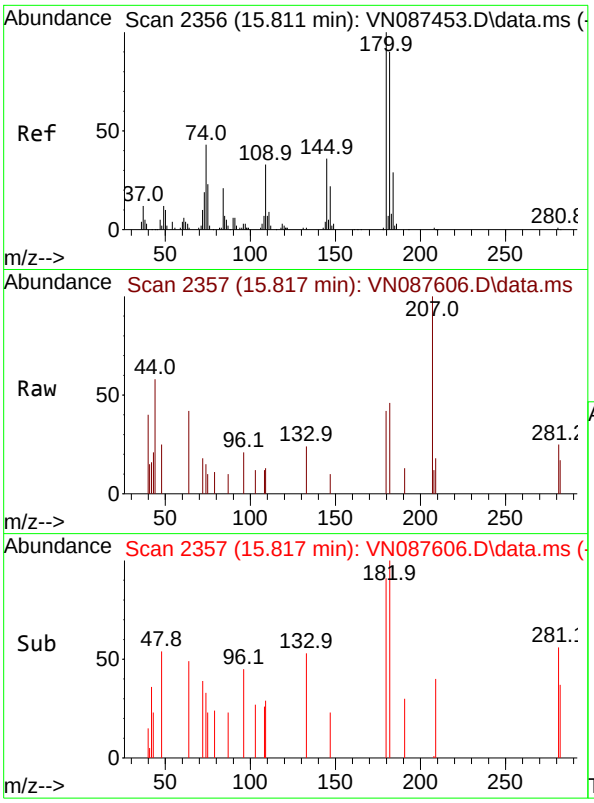


#77
t-1,4-Dichloro-2-butene
Concen: 35.986 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Tgt Ion: 75 Resp: 66236

Ion	Ratio	Lower	Upper
75	100		
53	0.6	59.0	176.8#
89	0.0	22.1	66.5#





#89
1,2,4-Trichlorobenzene
Concen: 0.250 ug/l
RT: 15.817 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087606.D
Acq: 20 Aug 2025 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL01

Tgt Ion:180 Resp: 958

Ion	Ratio	Lower	Upper
180	100		
182	86.5	75.0	112.4
145	0.0	28.6	43.0#