Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072425\
Data File : VN087411.D
Acq On : 24 Jul 2025 11:00
Operator : JC\MD
Sample : VN0724WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 25 04:52:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 24 05:11:26 2025
Response via : Initial Calibration

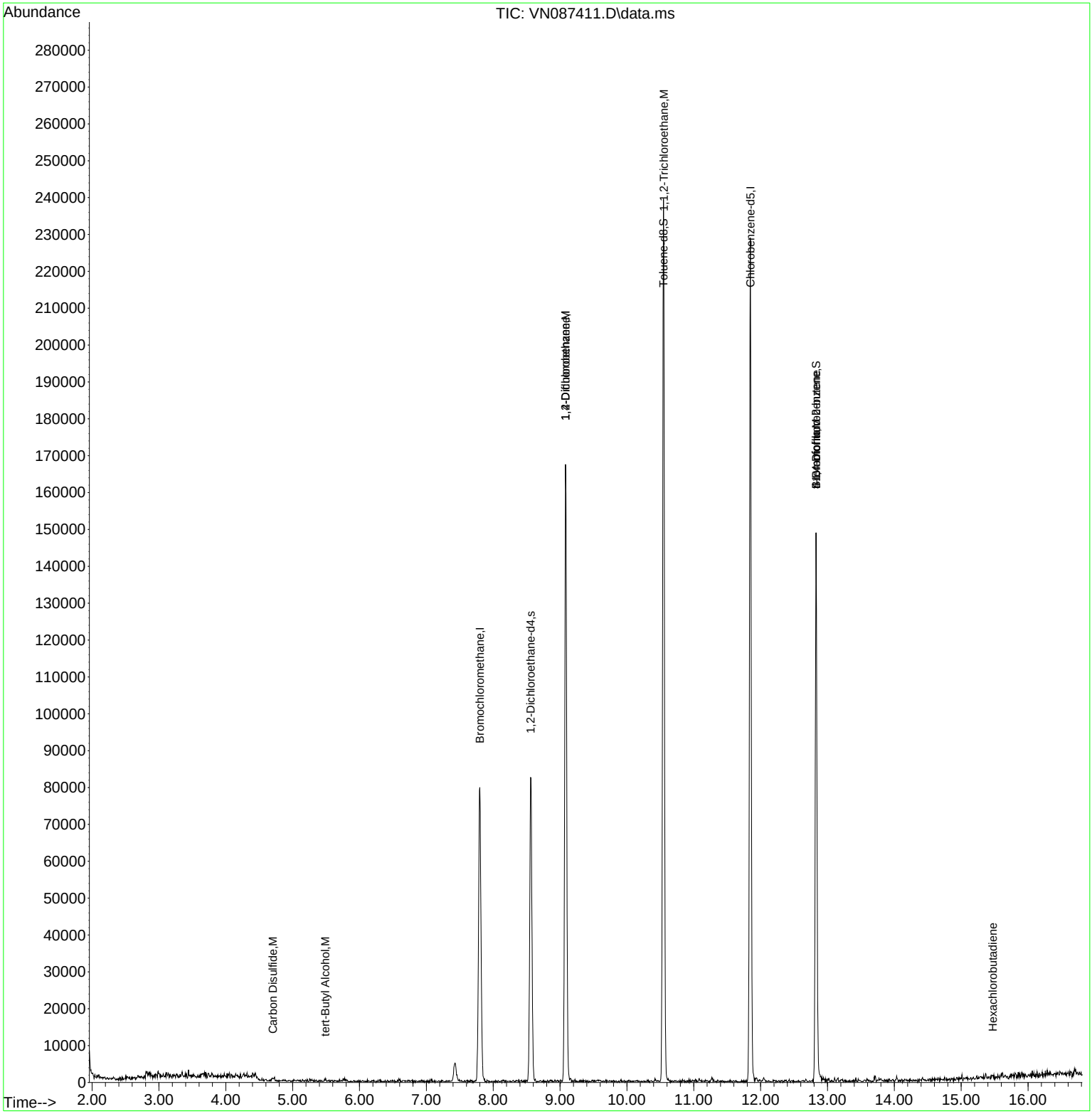
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	27859	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	138104	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	122527	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	70448	30.661	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.200%			
60) 4-Bromofluorobenzene	12.829	95	48812	23.879	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 79.600%			
63) Toluene-d8	10.547	98	159142	28.560	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.200%			
Target Compounds						Qvalue
16) Carbon Disulfide	4.706	76	1074	0.238	ug/l #	77
23) tert-Butyl Alcohol	5.489	59	296	0.833	ug/l #	100
36) 1,2-Dichloroethane	9.082	62	3743	1.247	ug/l #	77
50) 1,1,2-Trichloroethane	10.553	97	5626	2.945	ug/l #	1
56) Bromoform	12.829	173	541	0.340	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	28171	29.040	ug/l #	15
90) Hexachlorobutadiene	15.476	225	281	0.310	ug/l	68

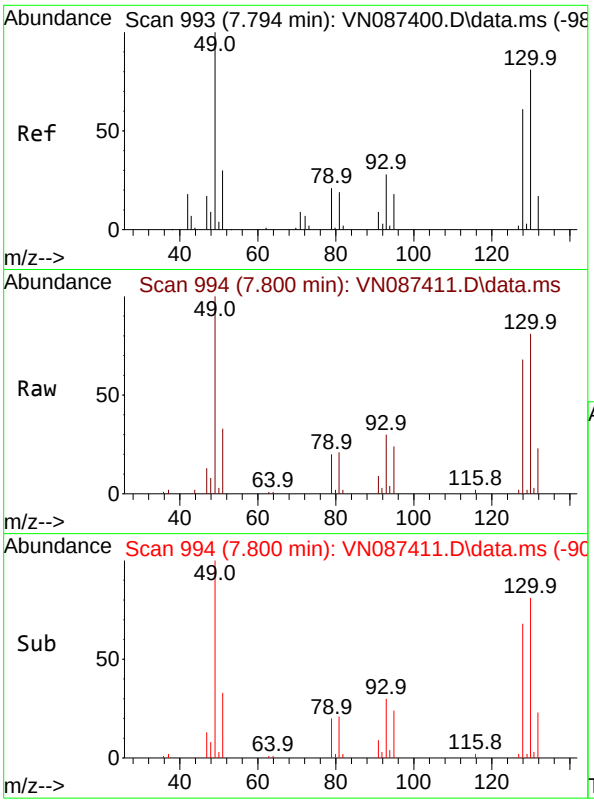
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072425\
Data File : VN087411.D
Acq On : 24 Jul 2025 11:00
Operator : JC\MD
Sample : VN0724WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 25 04:52:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 24 05:11:26 2025
Response via : Initial Calibration



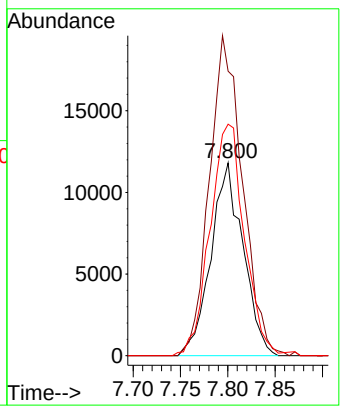


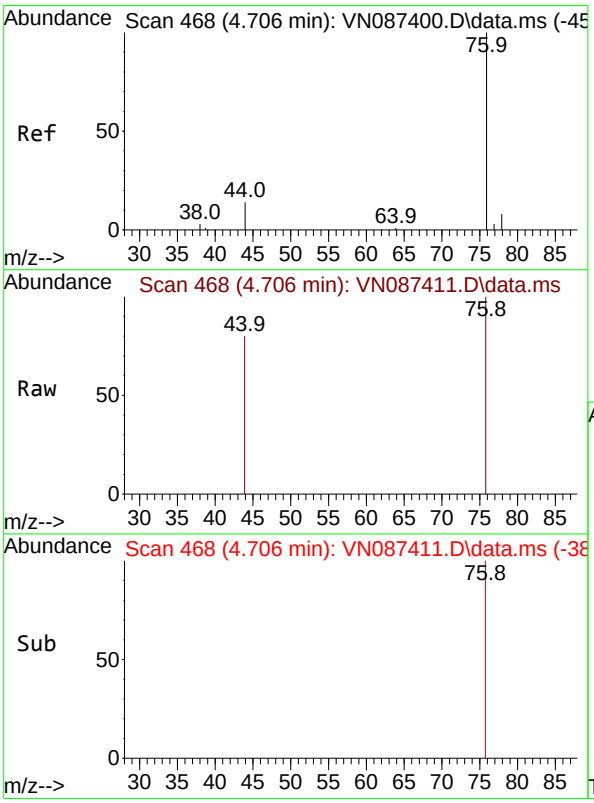
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 27859

Ion	Ratio	Lower	Upper
128	100		
49	170.6	0.0	446.2
130	128.4	0.0	331.0

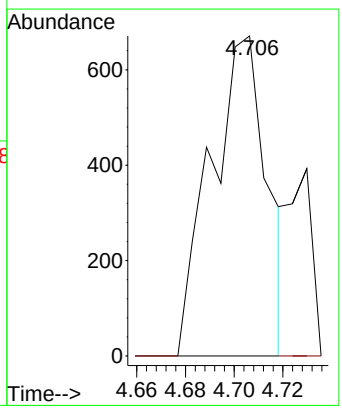


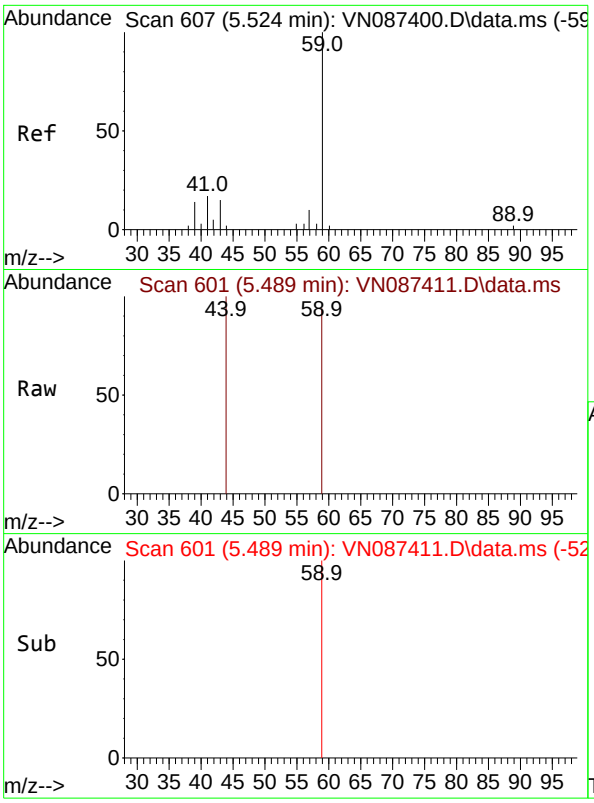


#16
Carbon Disulfide
Concen: 0.238 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Tgt Ion: 76 Resp: 1074

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	10.0#



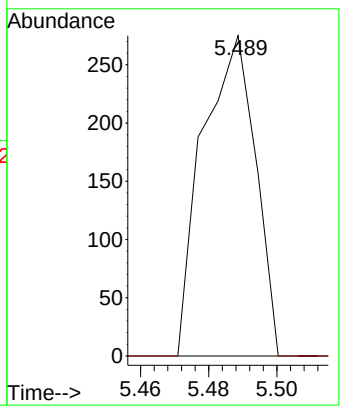


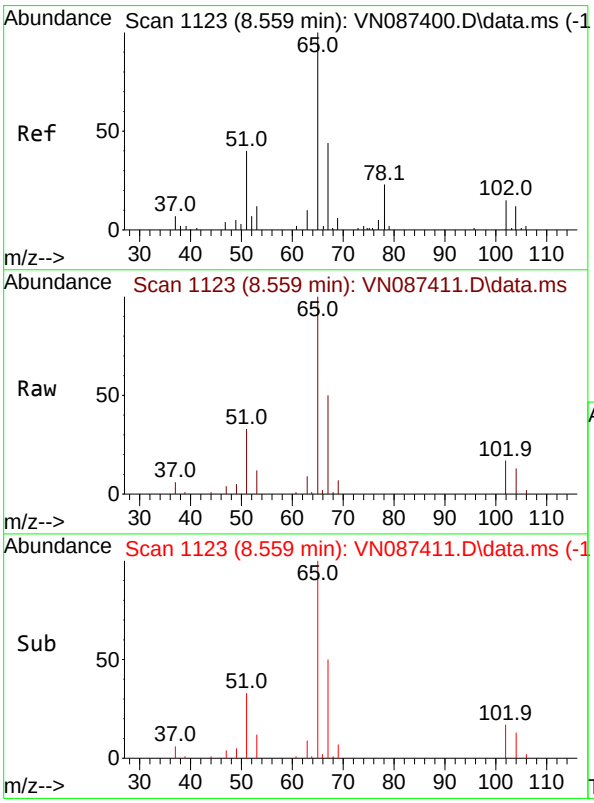
#23
tert-Butyl Alcohol
Concen: 0.833 ug/l
RT: 5.489 min Scan# 6
Delta R.T. -0.035 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 296

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

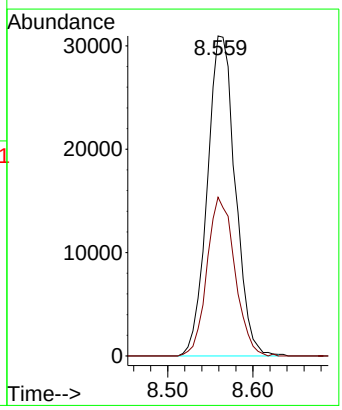


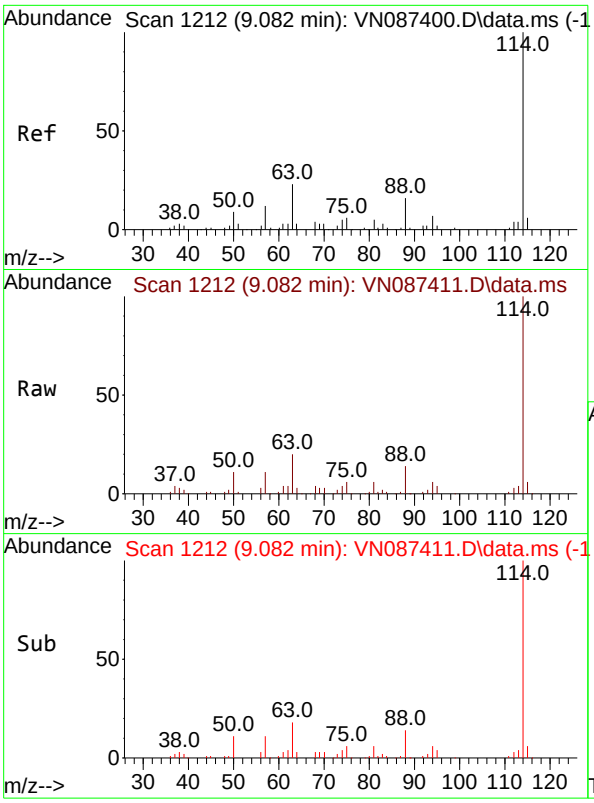


#27
1,2-Dichloroethane-d4
Concen: 30.661 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Tgt Ion: 65 Resp: 70448

Ion	Ratio	Lower	Upper
65	100		
67	49.3	40.2	60.4



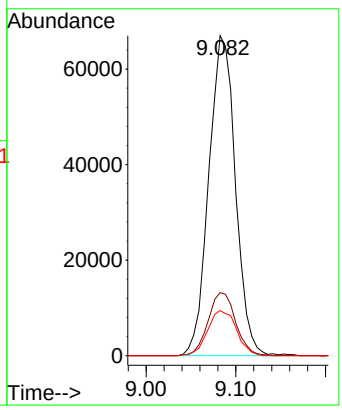


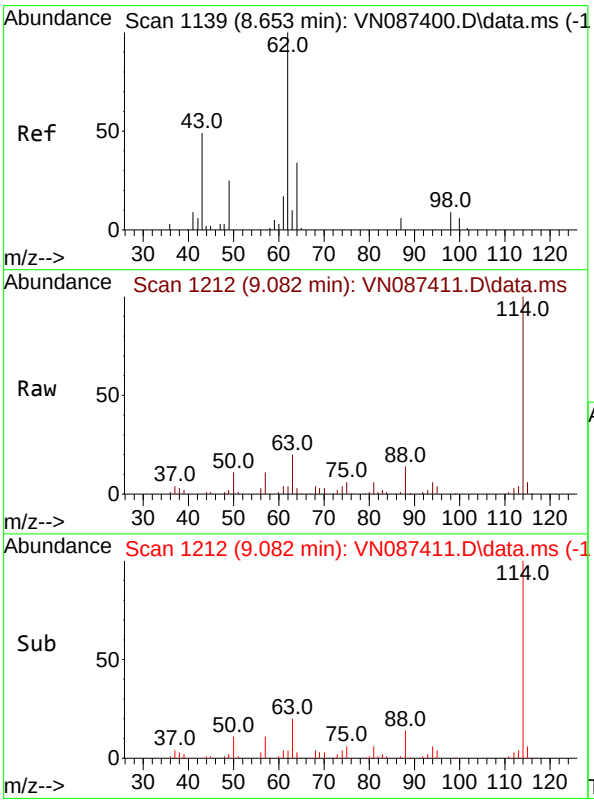
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 138104

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.8	25.2
88	15.3	12.5	18.7

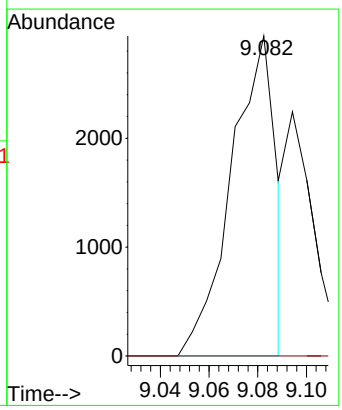


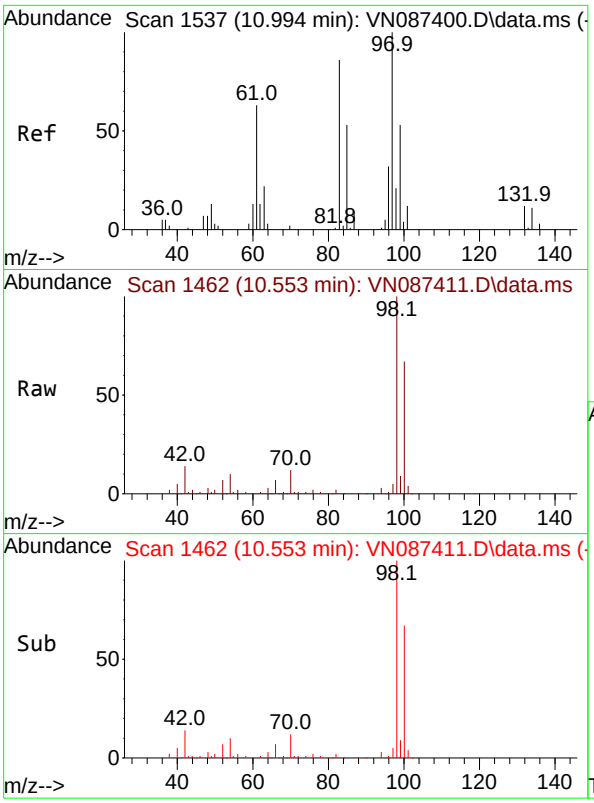


#36
1,2-Dichloroethane
Concen: 1.247 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.429 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Tgt Ion: 62 Resp: 3743

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#



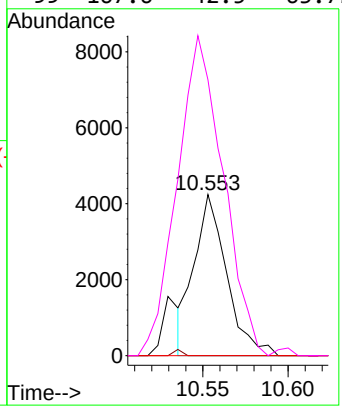


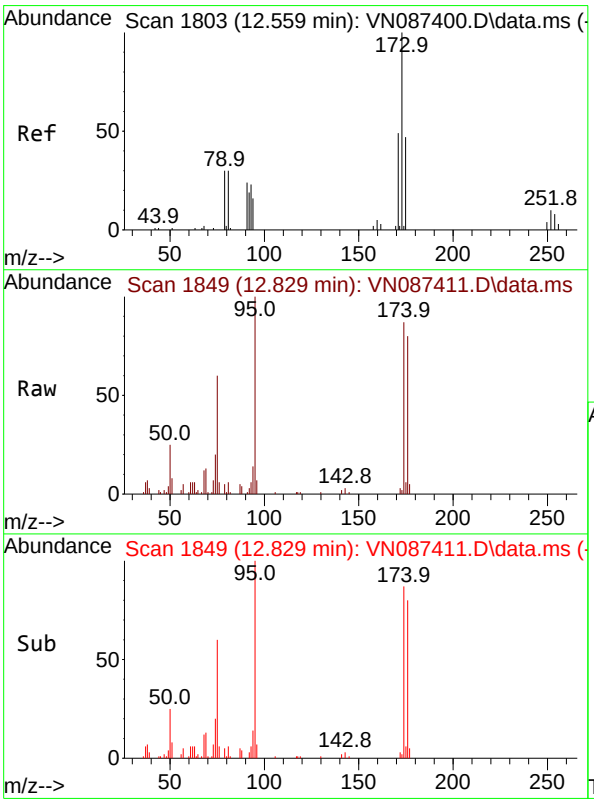
#50
1,1,2-Trichloroethane
Concen: 2.945 ug/l
RT: 10.553 min Scan# 14
Delta R.T. -0.441 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 5626

Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.9	103.3#
85	0.0	42.2	63.2#
99	167.6	42.5	63.7#

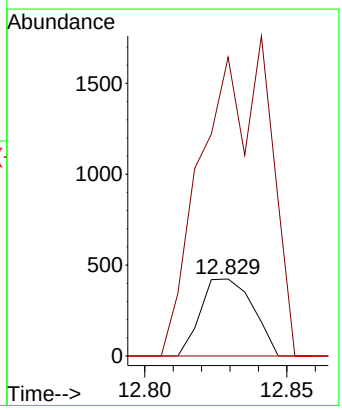


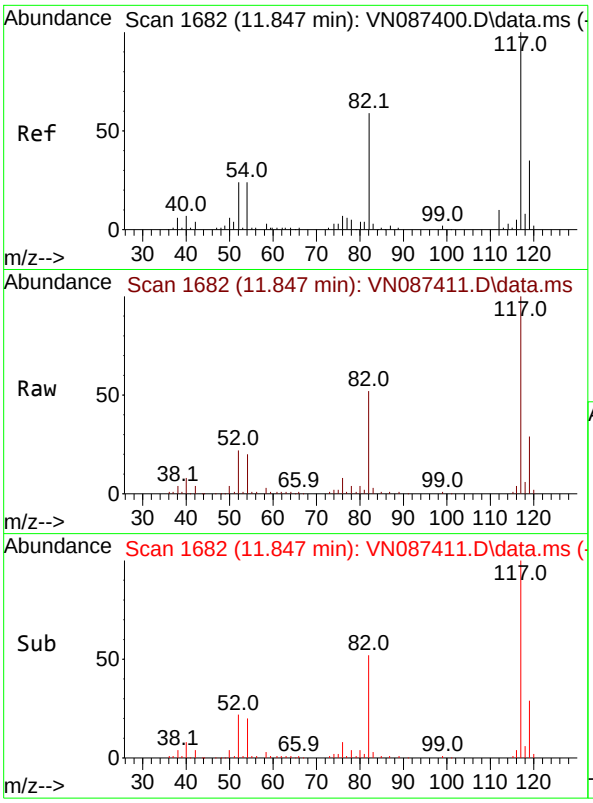


#56
Bromoform
Concen: 0.340 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Tgt Ion:173 Resp: 541

Ion	Ratio	Lower	Upper
173	100		
175	348.6	38.4	57.6#
254	0.0	6.7	10.1#



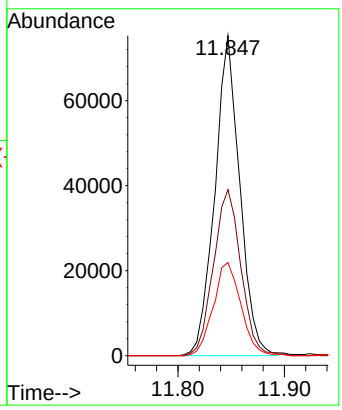


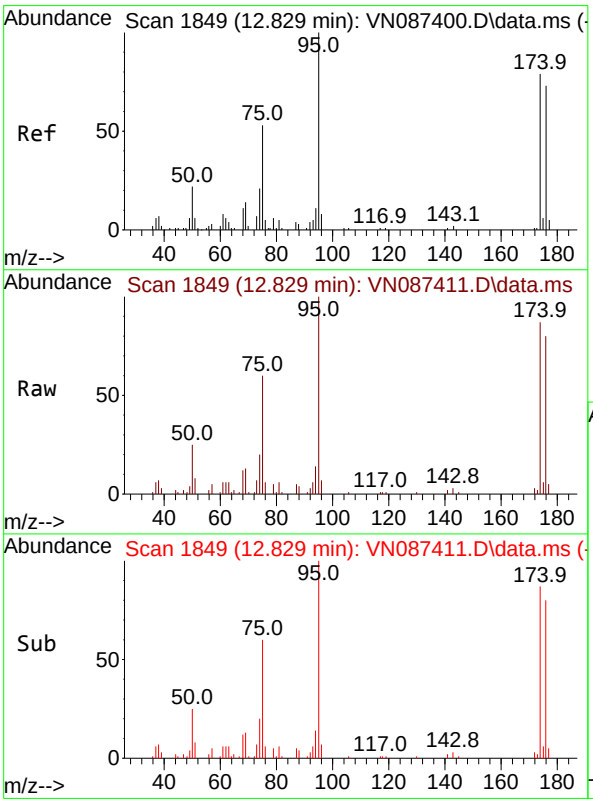
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 122527

Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.1	66.1
119	32.3	25.4	38.2

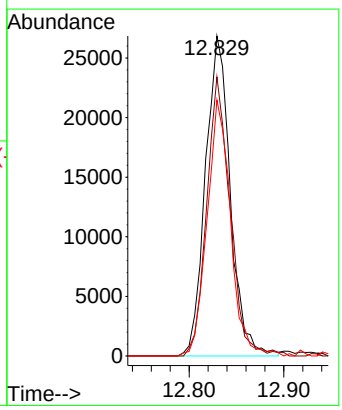


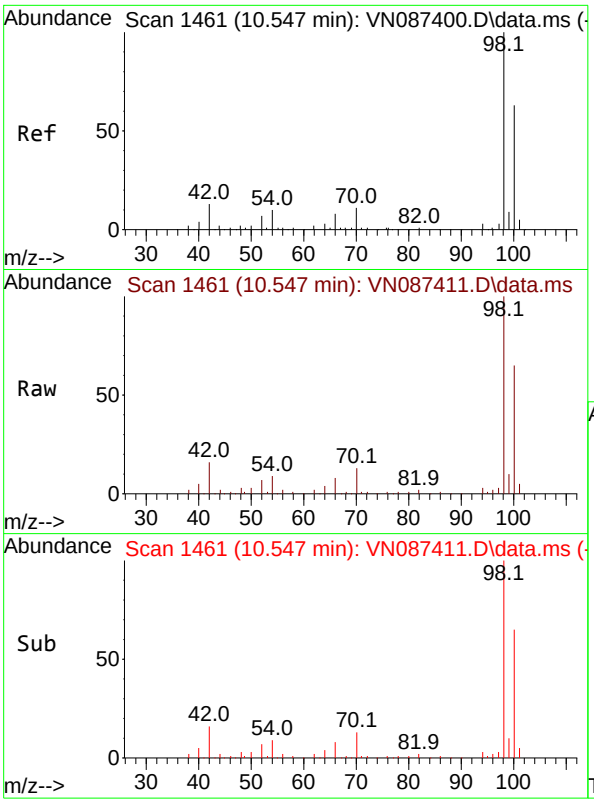


#60
4-Bromofluorobenzene
Concen: 23.879 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Tgt Ion: 95 Resp: 48812

Ion	Ratio	Lower	Upper
95	100		
174	81.6	62.1	93.1
176	76.0	57.9	86.9



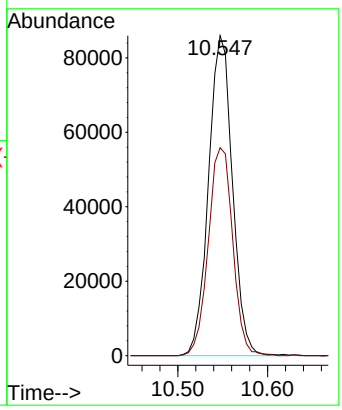


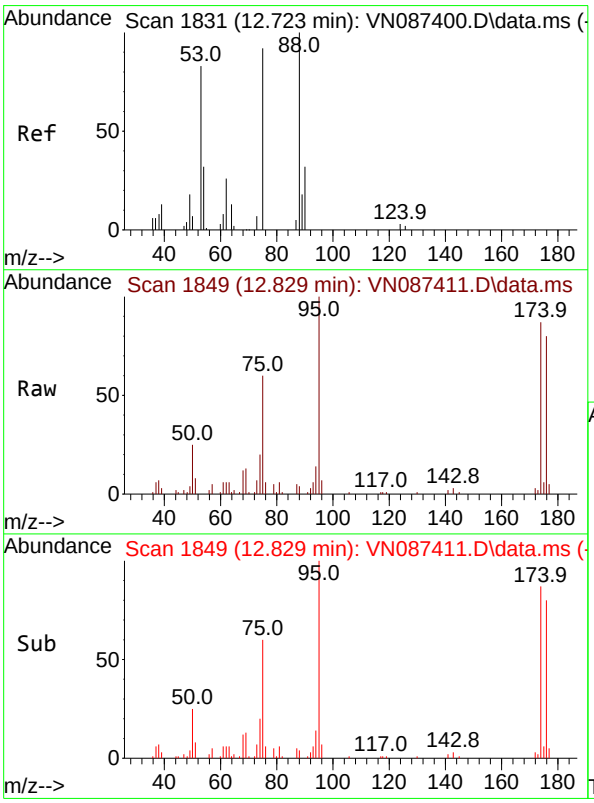
#63
Toluene-d8
Concen: 28.560 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 159142

Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.1	76.7

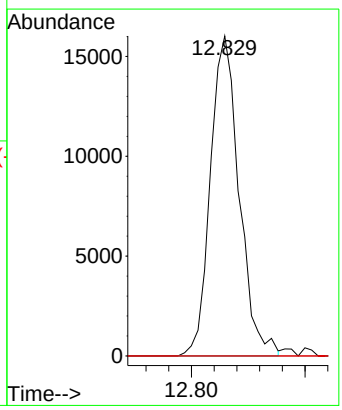


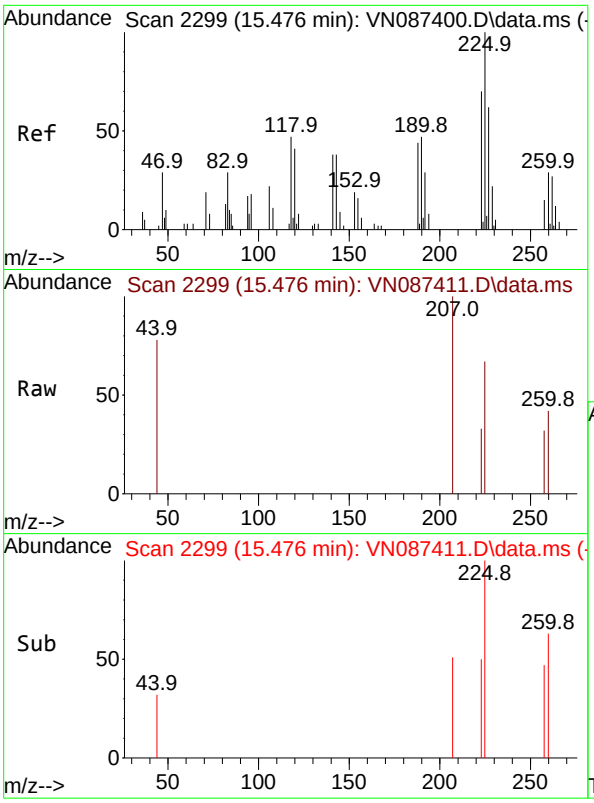


#77
t-1,4-Dichloro-2-butene
Concen: 29.040 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.106 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Tgt Ion: 75 Resp: 28171

Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.0	131.8#
89	0.0	17.0	50.9#





#90
Hexachlorobutadiene
Concen: 0.310 ug/l
RT: 15.476 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087411.D
Acq: 24 Jul 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:225 Resp: 281

Ion	Ratio	Lower	Upper
225	100		
223	22.8	0.0	125.2
227	70.5	0.0	122.4