Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
Data File : VN086831.D
Acq On : 30 May 2025 13:49
Operator : JC\MD
Sample : PB168191ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Quant Time: May 31 03:47:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 30 02:22:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28076	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	164131	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	137677	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	59627	30.911	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.033%			
60) 4-Bromofluorobenzene	12.847	95	61374	28.393	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.633%			
63) Toluene-d8	10.565	98	188063	29.761	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.200%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	22663	9.218	ug/l	99
15) Acetone	4.412	58	18976	87.586	ug/l	96
18) Methylene Chloride	5.259	84	12315	6.405	ug/l	91
30) 2-Butanone	7.483	43	6544	6.189	ug/l #	56
44) Isopropyl Acetate	8.682	43	32933	8.873	ug/l #	87

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

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Sample : PB168191ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PB168191ZHE#02

Quant Time: May 31 03:47:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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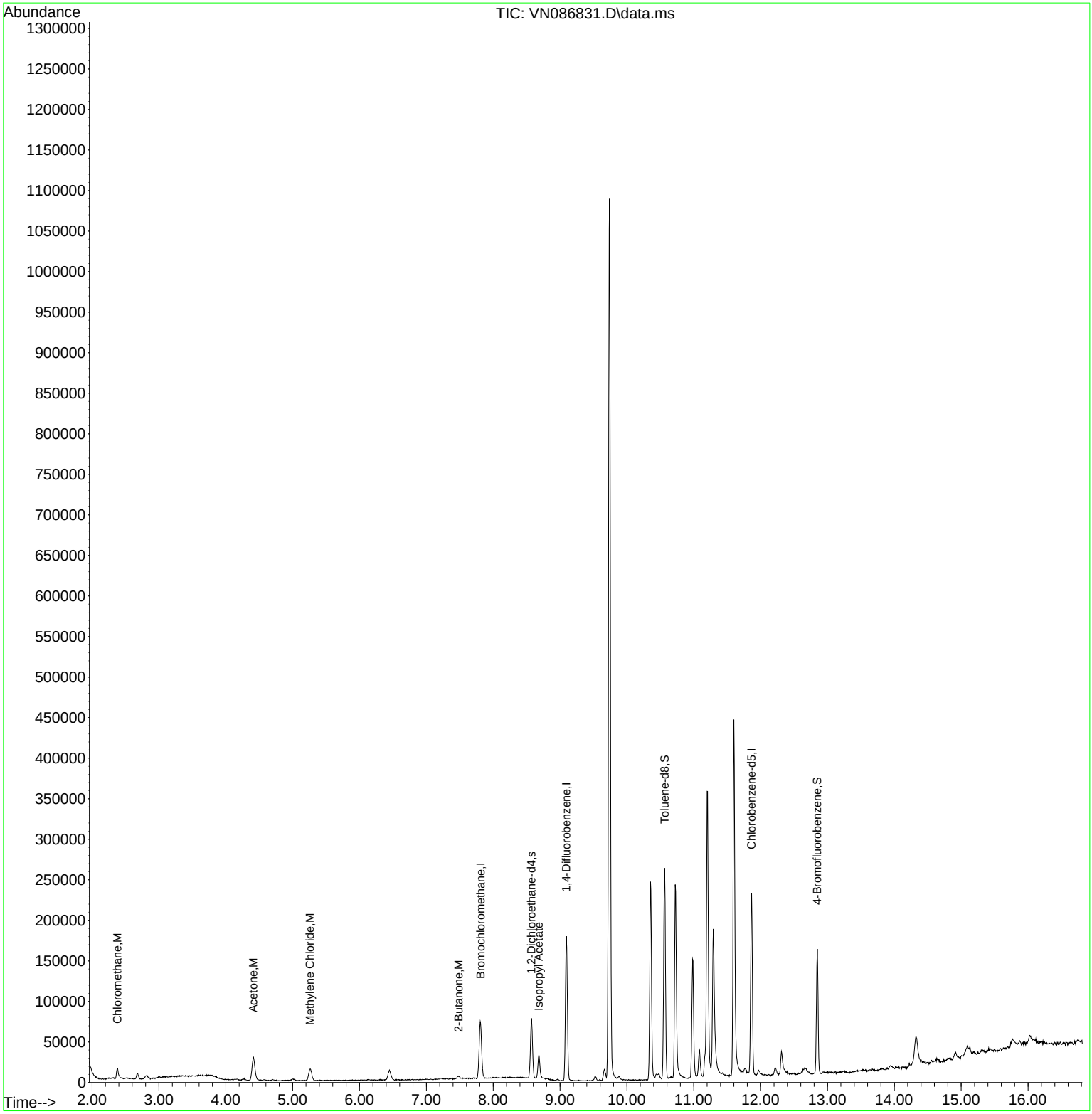
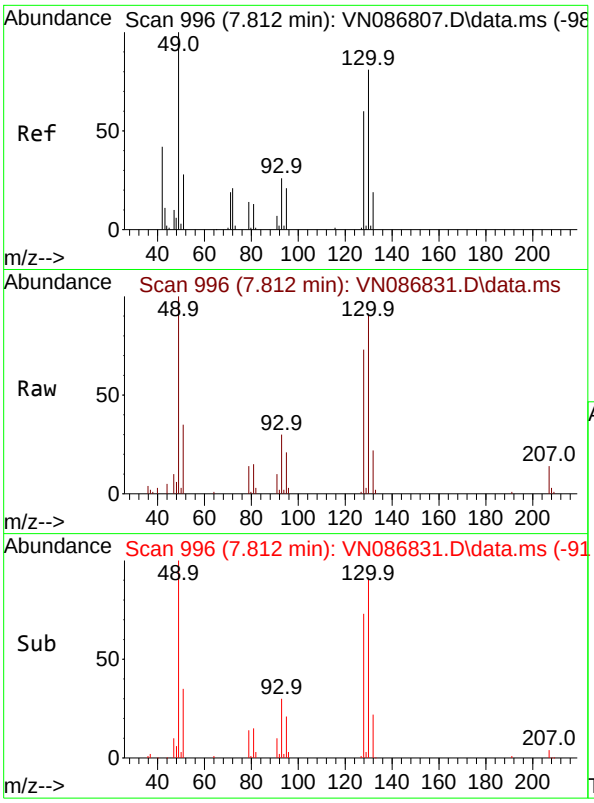


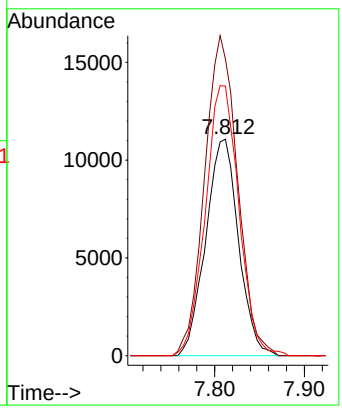


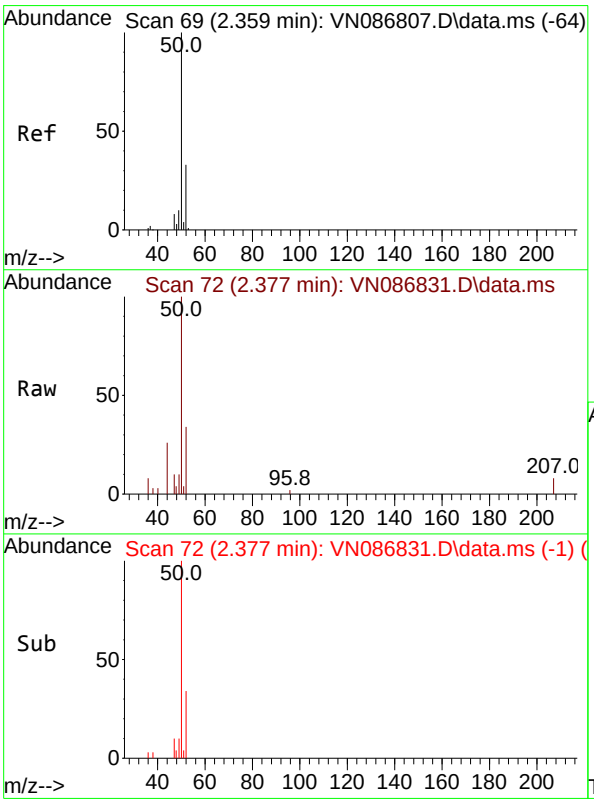
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Tgt Ion:128 Resp: 28076

Ion	Ratio	Lower	Upper
128	100		
49	148.8	0.0	404.5
130	127.9	0.0	322.2

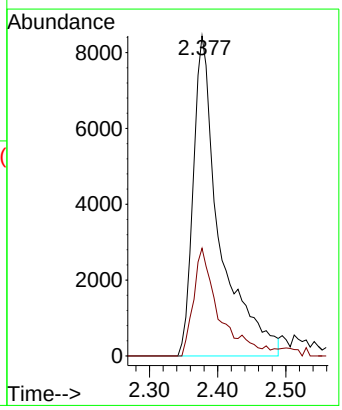


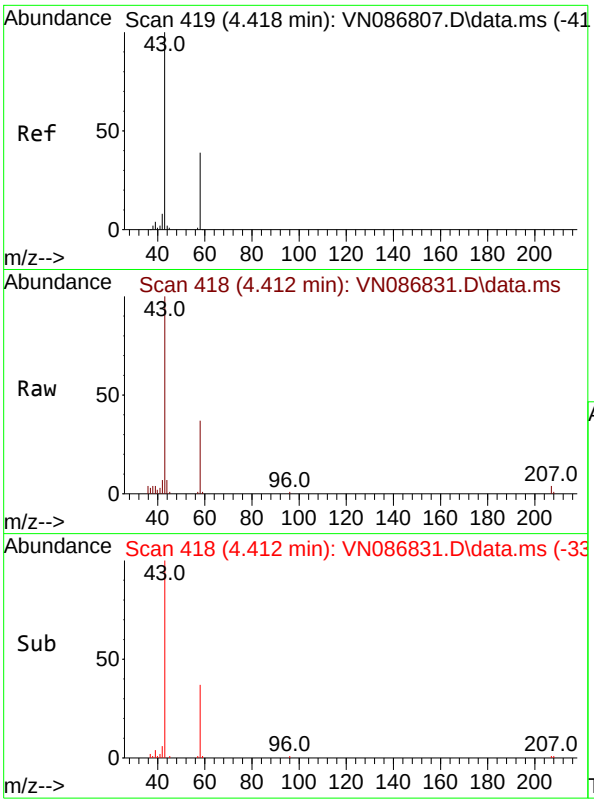


#3
Chloromethane
Concen: 9.218 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.018 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Tgt Ion: 50 Resp: 22663

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.6	40.0



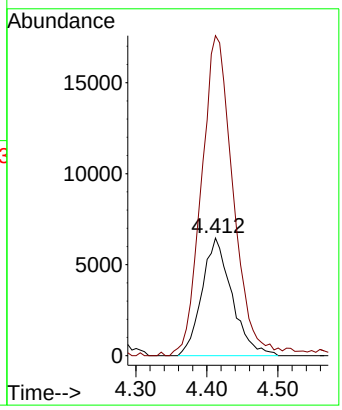


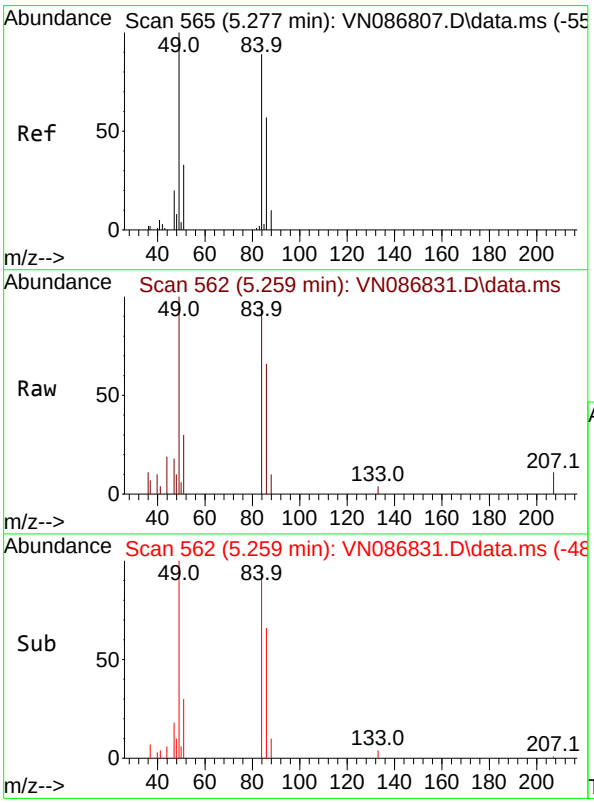
#15
Acetone
Concen: 87.586 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Tgt Ion: 58 Resp: 18976

Ion	Ratio	Lower	Upper
58	100		
43	266.0	207.7	311.5

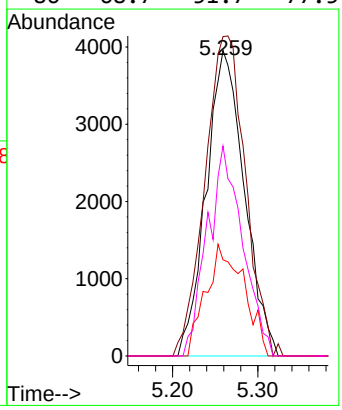


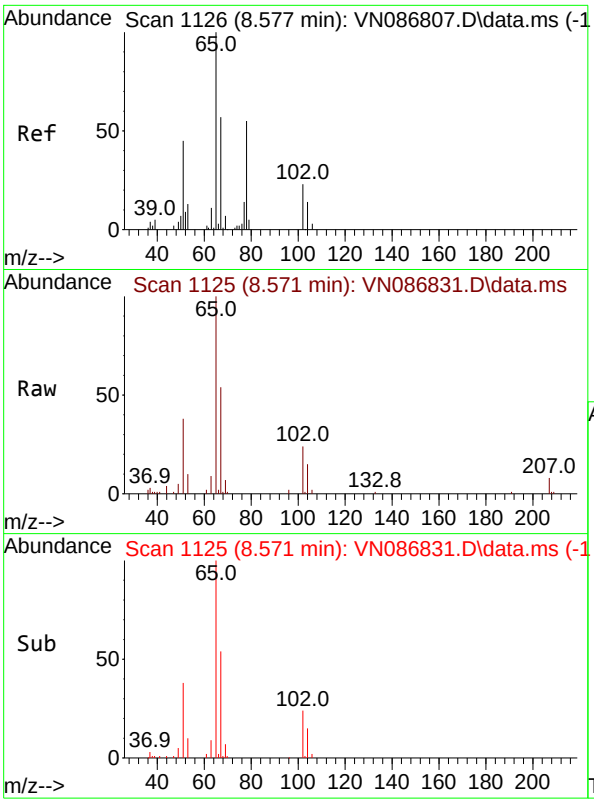


#18
Methylene Chloride
Concen: 6.405 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Tgt Ion: 84 Resp: 12315

Ion	Ratio	Lower	Upper
84	100		
49	100.6	89.9	134.9
51	31.5	29.6	44.4
86	68.7	51.7	77.5



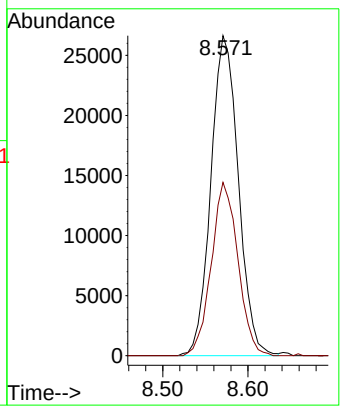


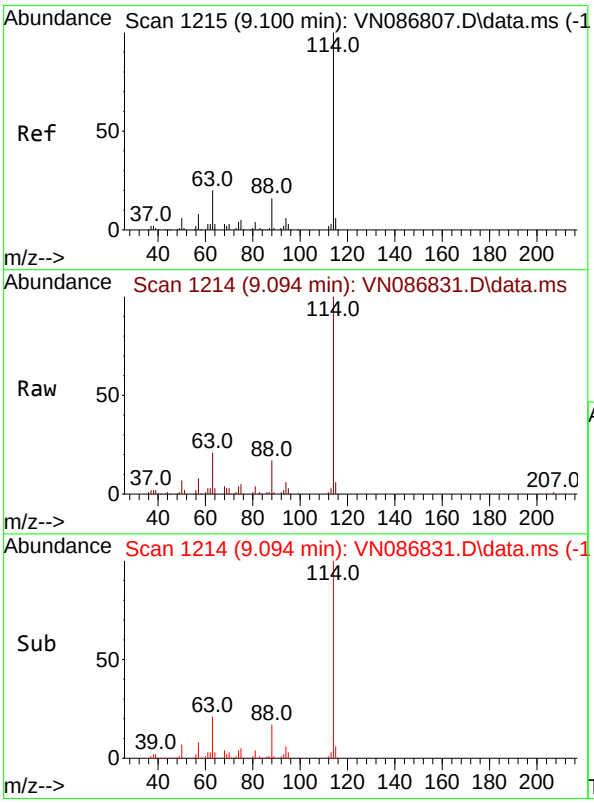
#27
1,2-Dichloroethane-d4
Concen: 30.911 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Tgt Ion: 65 Resp: 59627

Ion	Ratio	Lower	Upper
65	100		
67	52.5	44.6	67.0

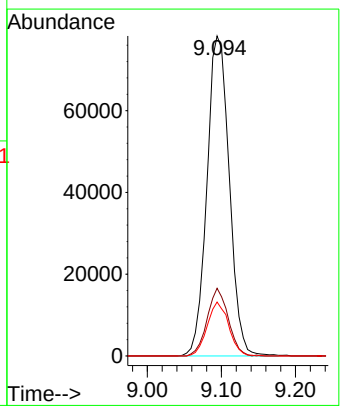


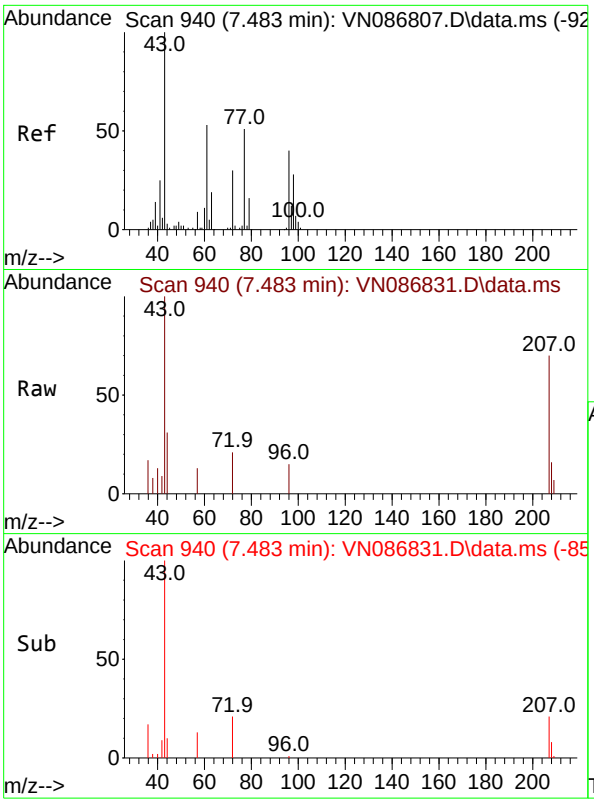


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Tgt Ion:114 Resp: 164131

Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.8	23.8
88	16.2	12.9	19.3



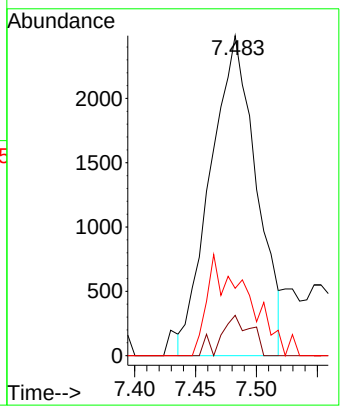


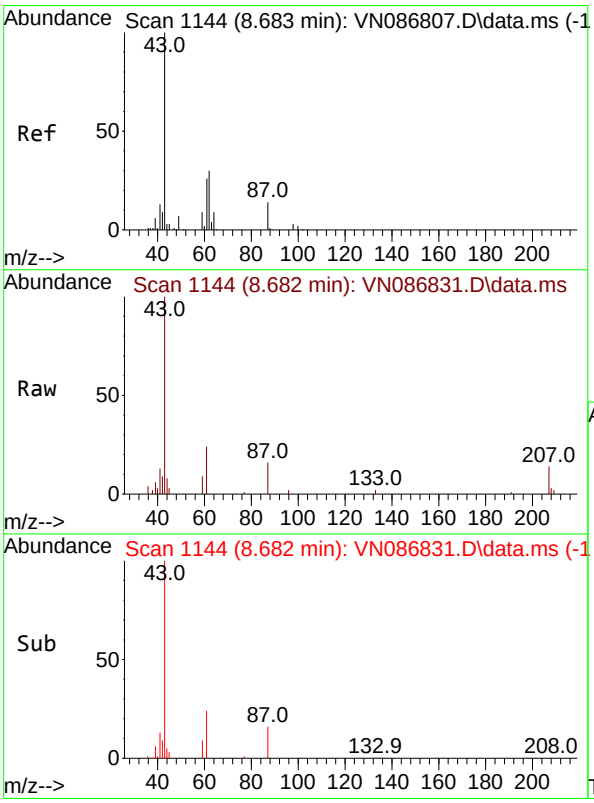
#30
2-Butanone
Concen: 6.189 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Tgt Ion: 43 Resp: 6544

Ion	Ratio	Lower	Upper
43	100		
57	4.9	6.8	10.2#
72	0.0	23.4	35.0#

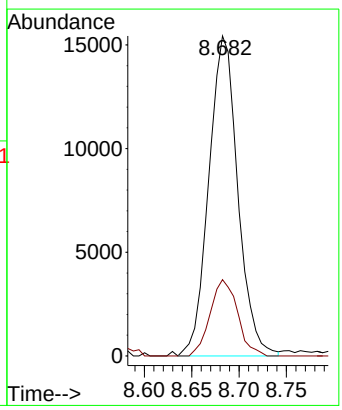


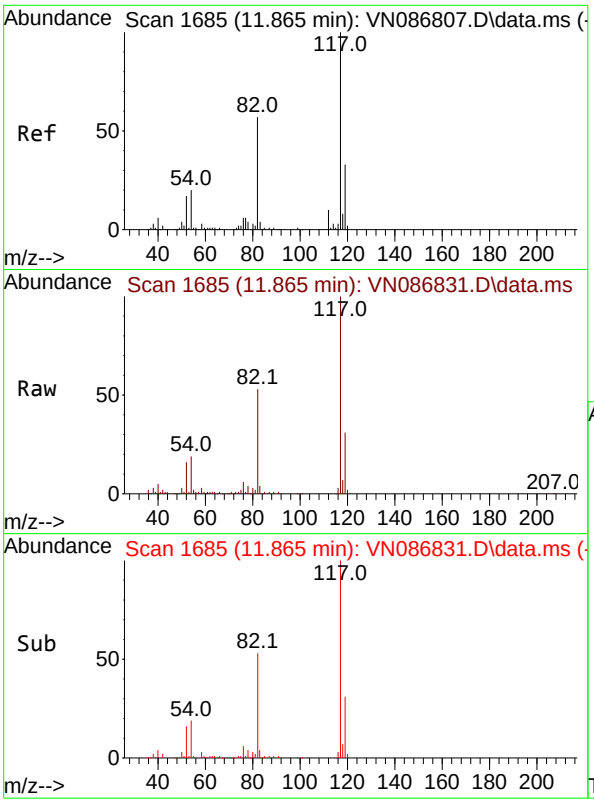


#44
Isopropyl Acetate
Concen: 8.873 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Tgt Ion: 43 Resp: 32933

Ion	Ratio	Lower	Upper
43	100		
61	22.5	23.8	35.6#



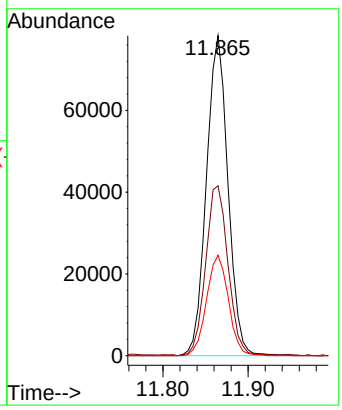


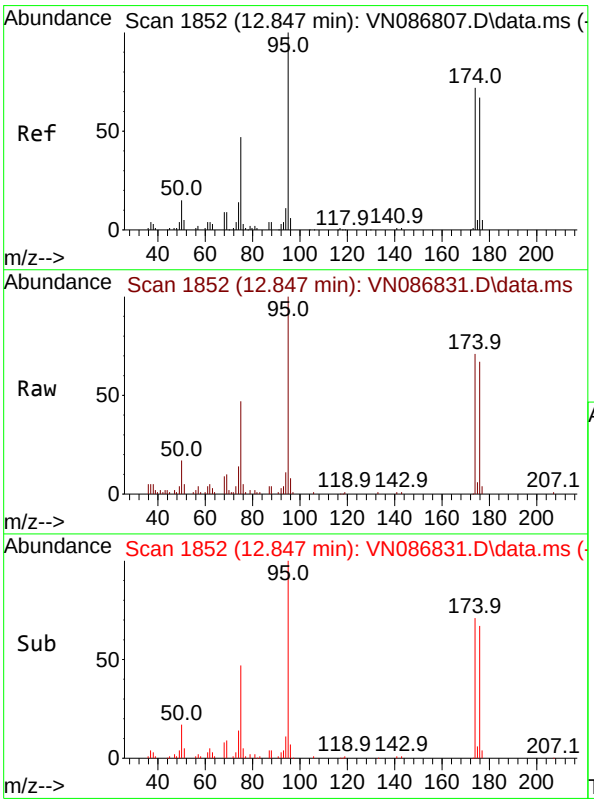
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Tgt Ion:117 Resp: 137677

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.7	67.1
119	32.0	25.6	38.4

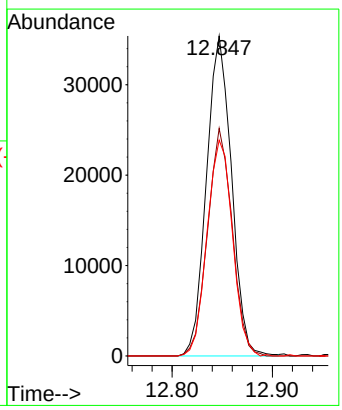


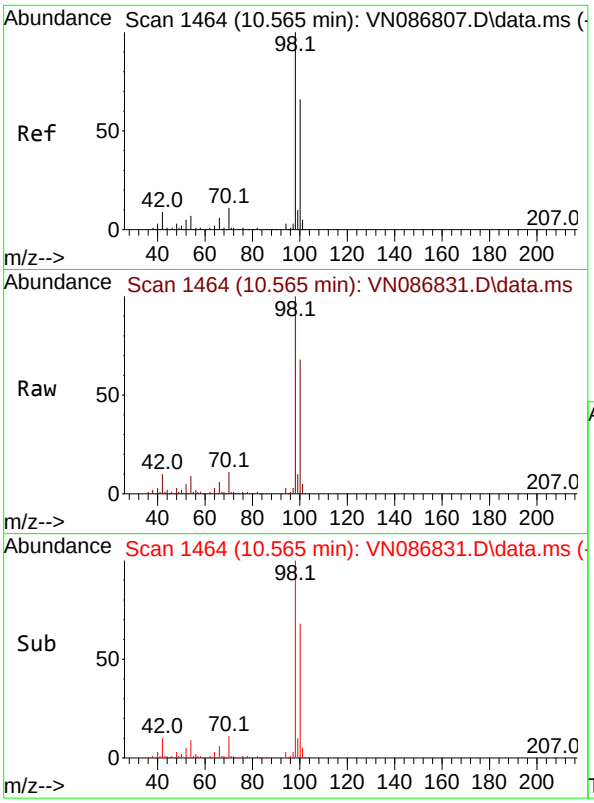


#60
4-Bromofluorobenzene
Concen: 28.393 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Tgt Ion: 95 Resp: 61374

Ion	Ratio	Lower	Upper
95	100		
174	70.0	56.2	84.4
176	68.4	53.4	80.0





#63
Toluene-d8
Concen: 29.761 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086831.D
Acq: 30 May 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB168191ZHE#02

Tgt Ion: 98 Resp: 188063

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1