Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042813.D
Acq On : 04 Aug 2025 19:41
Operator : SY/MD
Sample : Q2750-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-4DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/05/2025
Supervised By :Mahesh Dadoda 08/05/2025

Quant Time: Aug 05 01:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	146355	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	388590	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	332901	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	252224	9.567	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.700%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.473	51	133474	5.295	ppbv	99
9) Propene	1.486	41	10514m	1.148	ppbv	
13) Ethanol	1.722	45	252970	378.074	ppbv	89
15) Acetone	1.835	43	166188	8.223	ppbv	99
19) Isopropyl Alcohol	1.897	45	4720366	439.534	ppbv #	40
20) Methylene Chloride	2.062	84	2222	0.349	ppbv #	87

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

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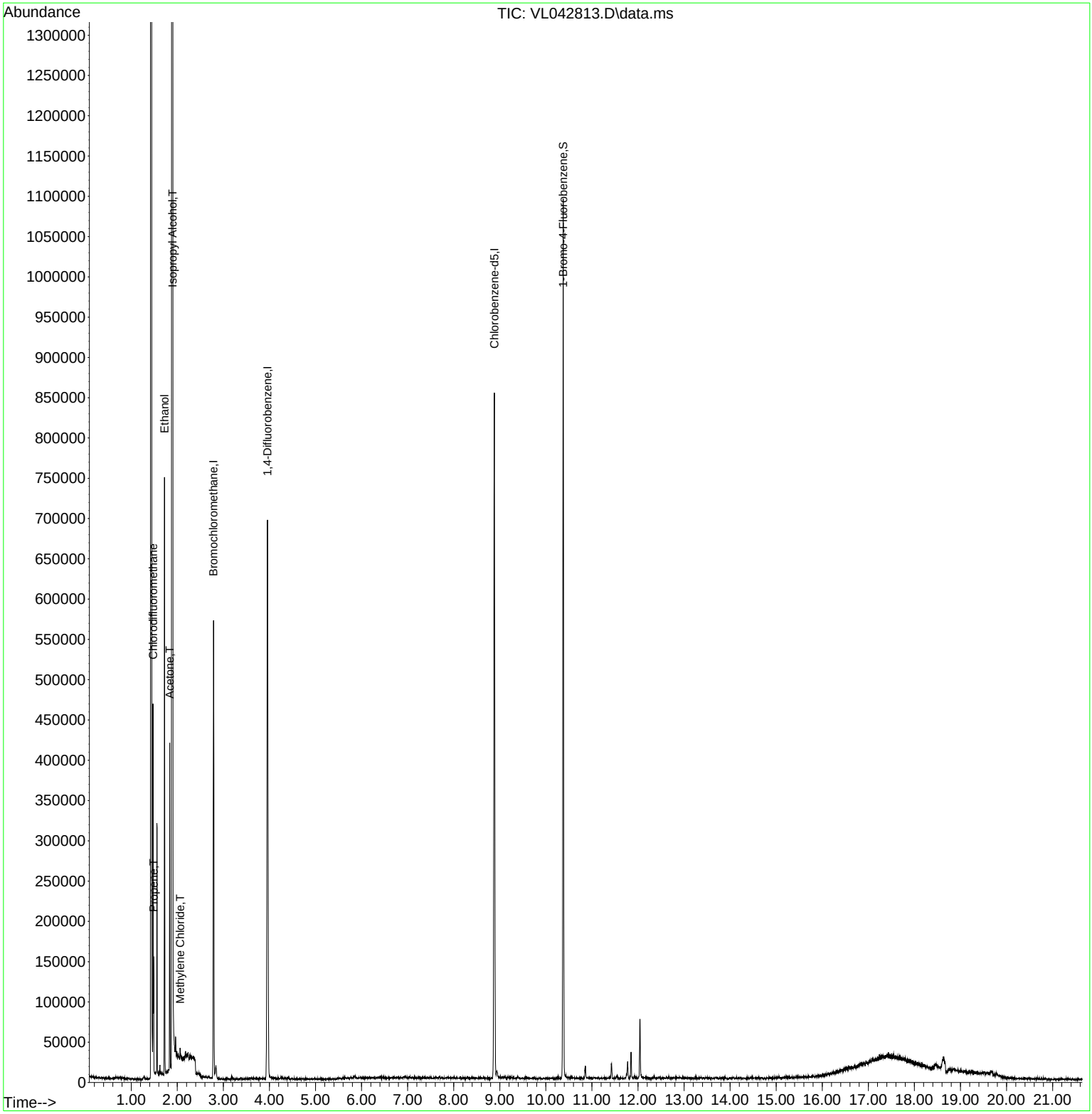

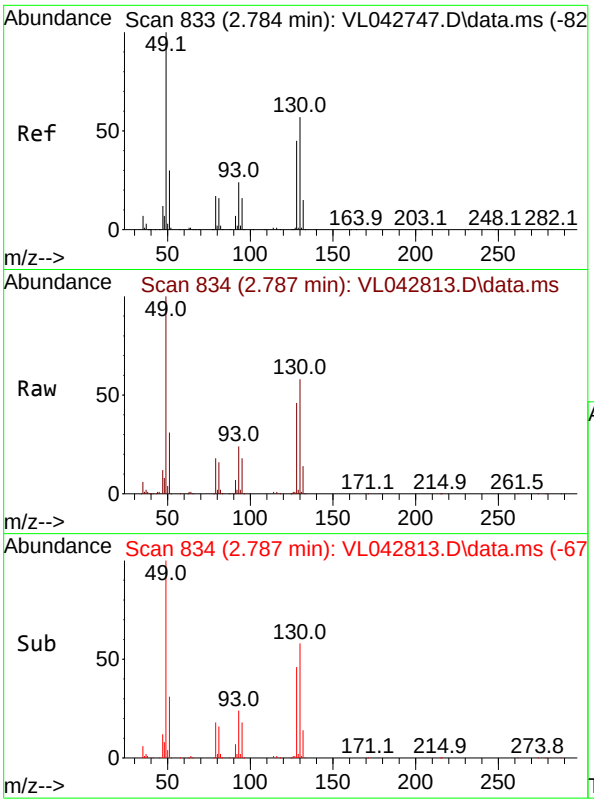

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 49 Resp: 14635

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.6	71.0
130	60.6	30.3	90.8

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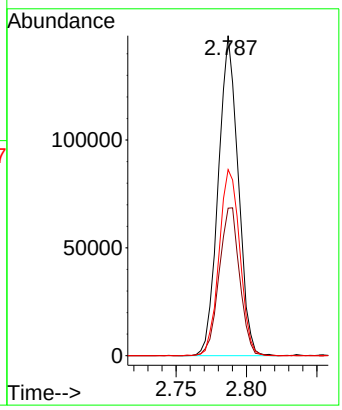
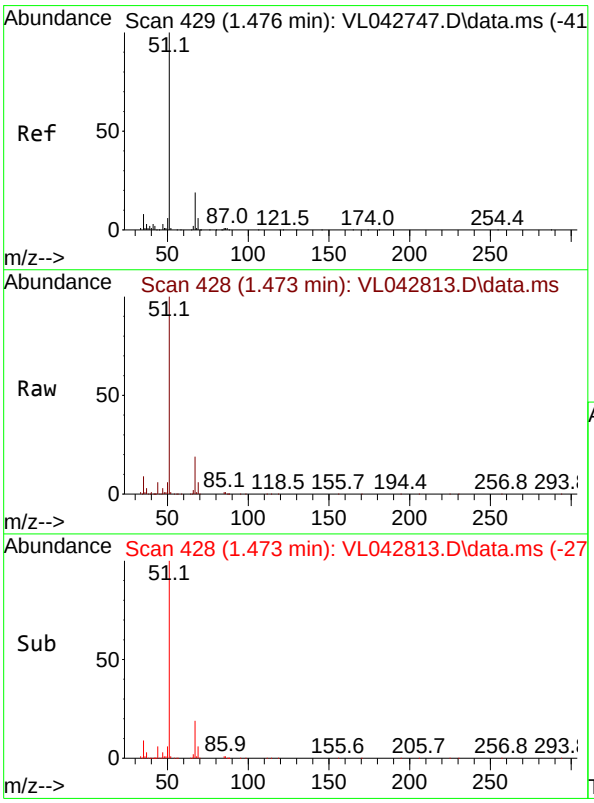
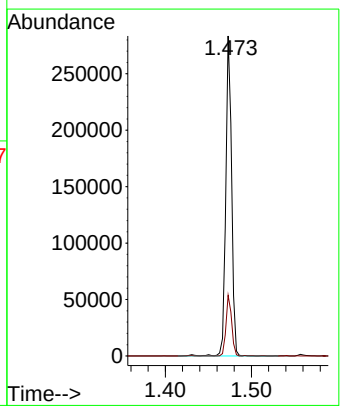


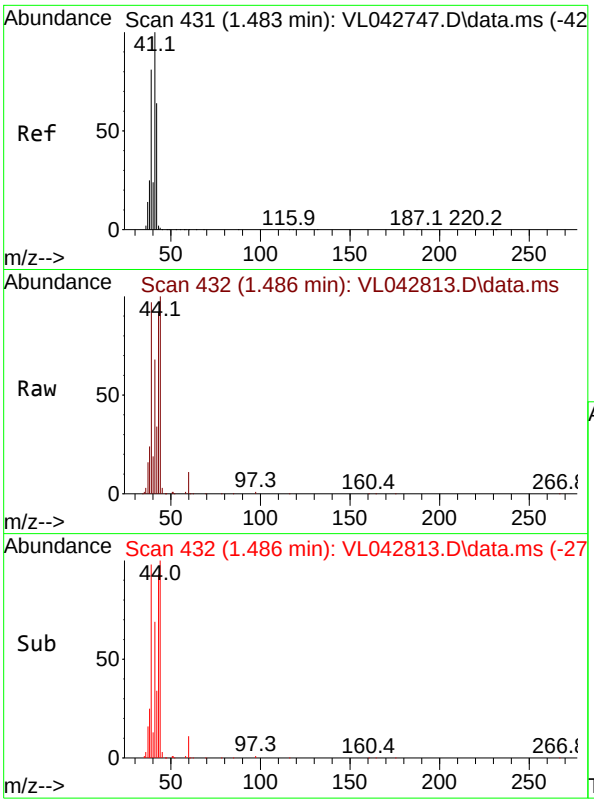


#3
Chlorodifluoromethane
Concen: 5.295 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 51 Resp: 133474

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.0	22.6

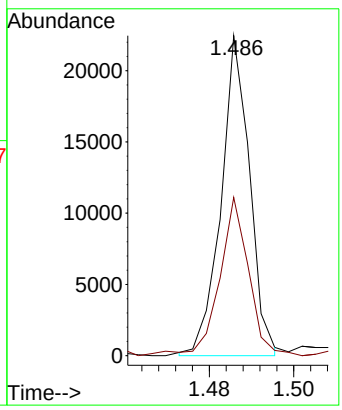




#9
Propene
Concen: 1.148 ppbv m
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 41 Resp: 1051

Ion	Ratio	Lower	Upper
41	100		
42	236.5	53.2	79.8



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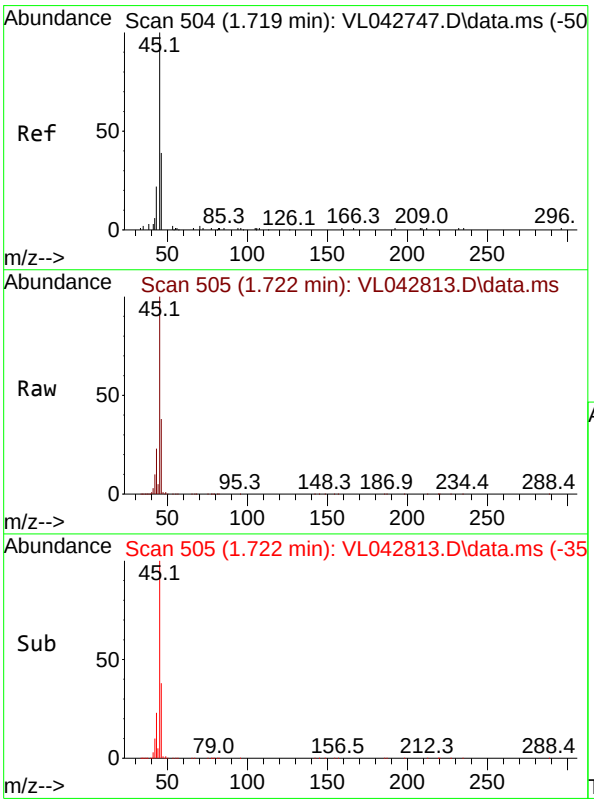
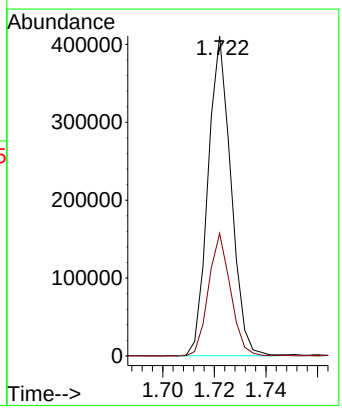
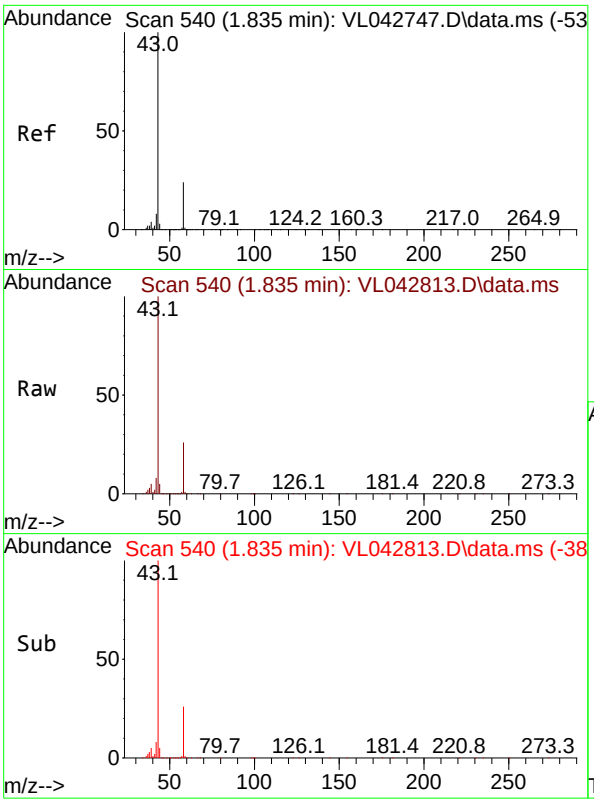


#13
Ethanol
Concen: 378.074 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 45 Resp: 252970

Ion	Ratio	Lower	Upper
45	100		
46	37.3	17.8	71.4





#15
Acetone
Concen: 8.223 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 43 Resp: 16618

Ion	Ratio	Lower	Upper
43	100		
58	25.2	19.8	29.8

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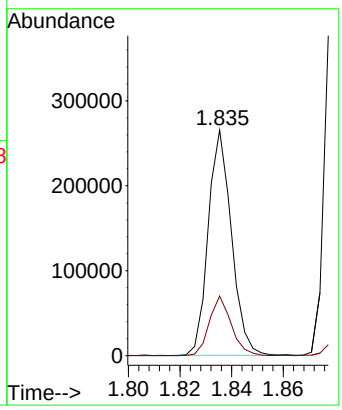
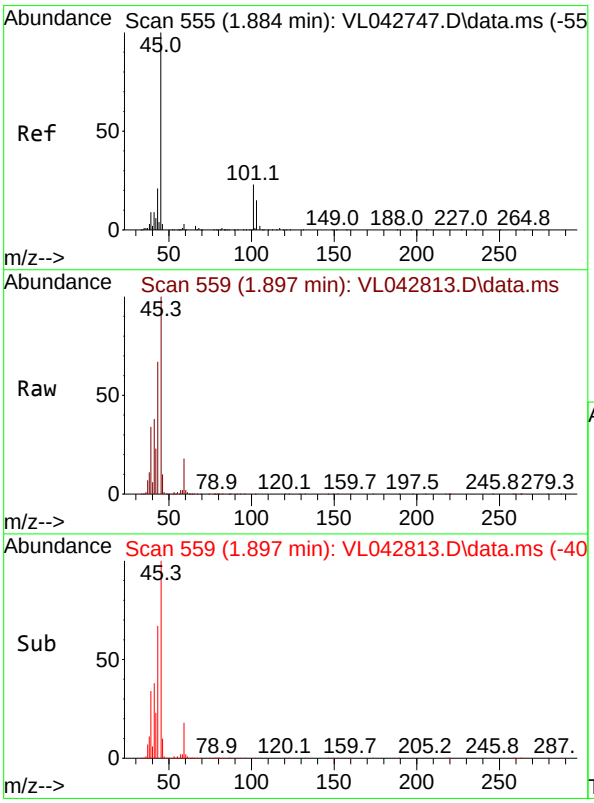
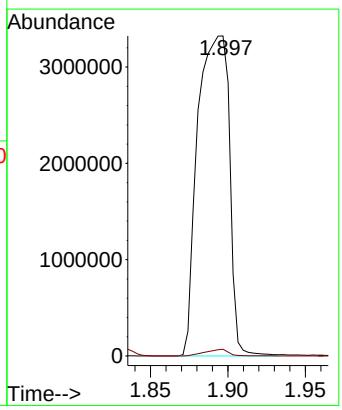


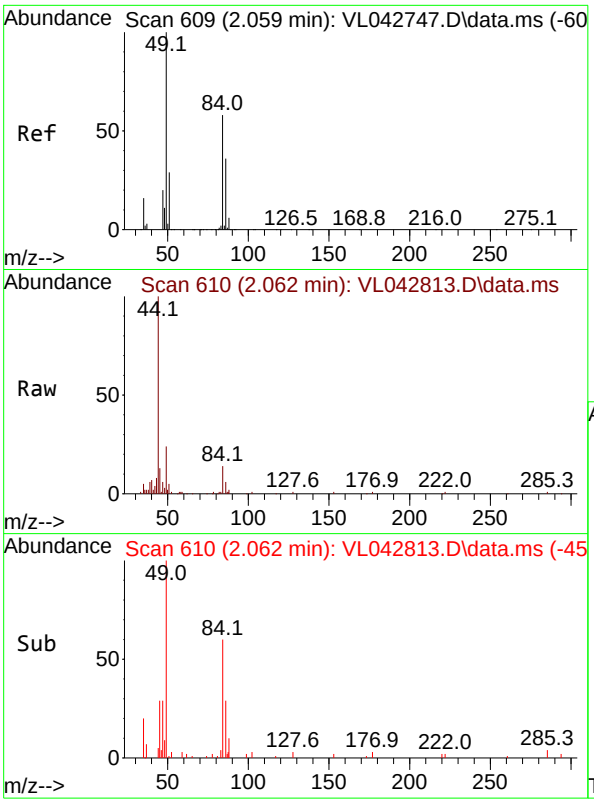


#19
Isopropyl Alcohol
Concen: 439.534 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 45 Resp: 4720366

Ion	Ratio	Lower	Upper
45	100		
58	1.6	30.0	45.0#

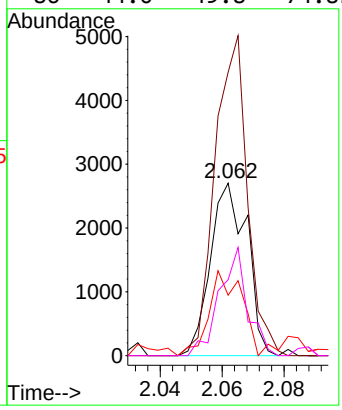




#20
Methylene Chloride
Concen: 0.349 ppbv
RT: 2.062 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 84 Resp: 222

Ion	Ratio	Lower	Upper
84	100		
49	164.3	138.6	208.0
51	35.0	40.6	61.0#
86	44.0	49.8	74.8#



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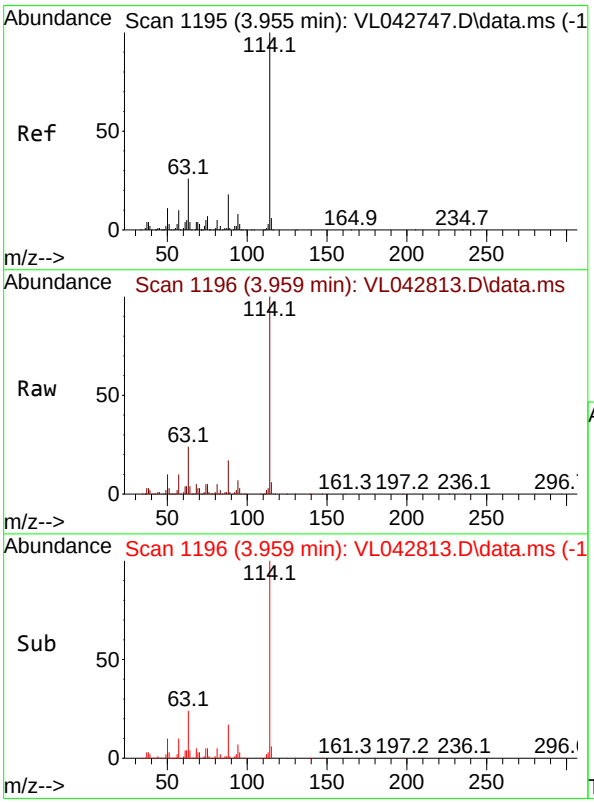
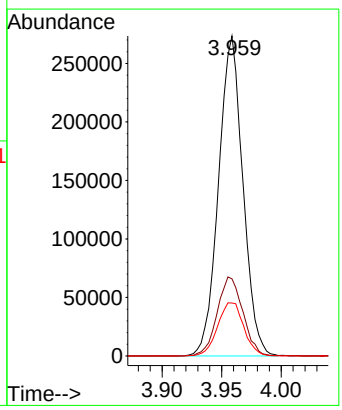
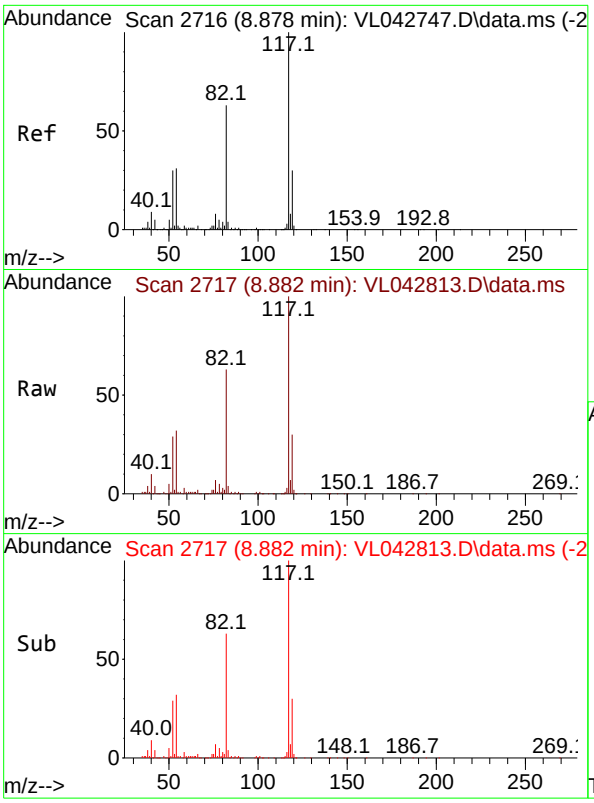


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion:114 Resp: 388590

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.5	30.7
88	17.9	14.0	21.0

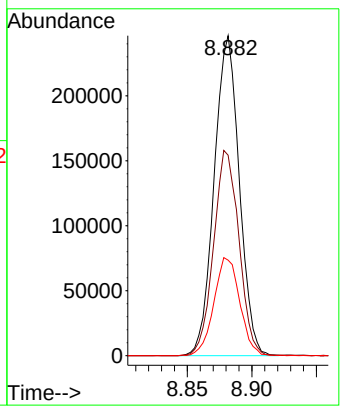




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion:117 Resp: 33290

Ion	Ratio	Lower	Upper
117	100		
82	64.8	53.3	79.9
119	31.7	25.8	38.6



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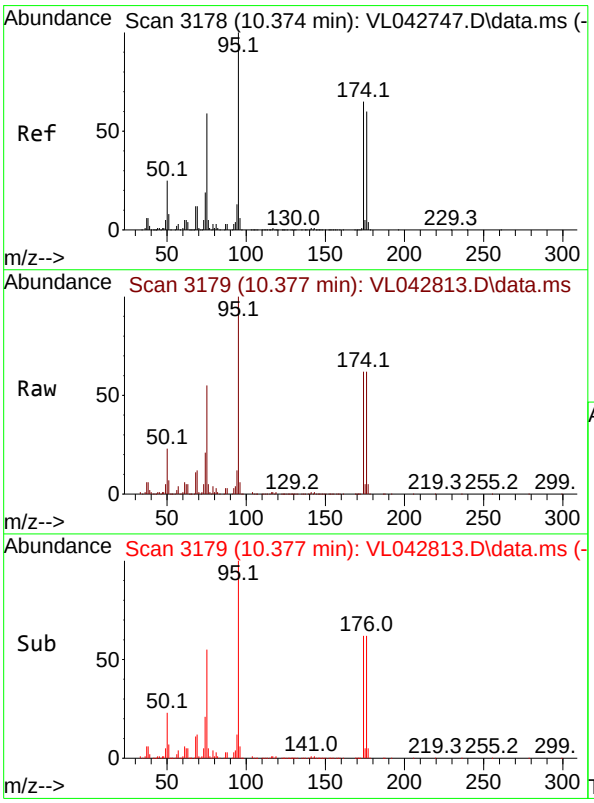
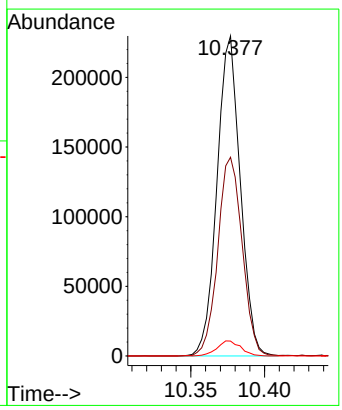


#68
1-Bromo-4-Fluorobenzene
Concen: 9.567 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042813.D
Acq: 04 Aug 2025 19:41

Tgt Ion: 95 Resp: 252224

Ion	Ratio	Lower	Upper
95	100		
174	65.1	53.8	80.6
175	4.8	4.0	6.0