Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042818.D
Acq On : 04 Aug 2025 22:31
Operator : SY/MD
Sample : Q2750-07DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-8DL

Manual Integrations APPROVED

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

Quant Time: Aug 05 01:14:18 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	2.784	49	146776	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	381523	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	323135	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	246263	9.623	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.200%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.473	51	88603	3.505	ppbv	100
9) Propene	1.486	41	7741m	0.843	ppbv	
13) Ethanol	1.719	45	184153	274.119	ppbv	89
15) Acetone	1.832	43	153225	7.560	ppbv	99
19) Isopropyl Alcohol	1.891	45	4073948	378.255	ppbv #	40
20) Methylene Chloride	2.059	84	2037	0.319	ppbv	87

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

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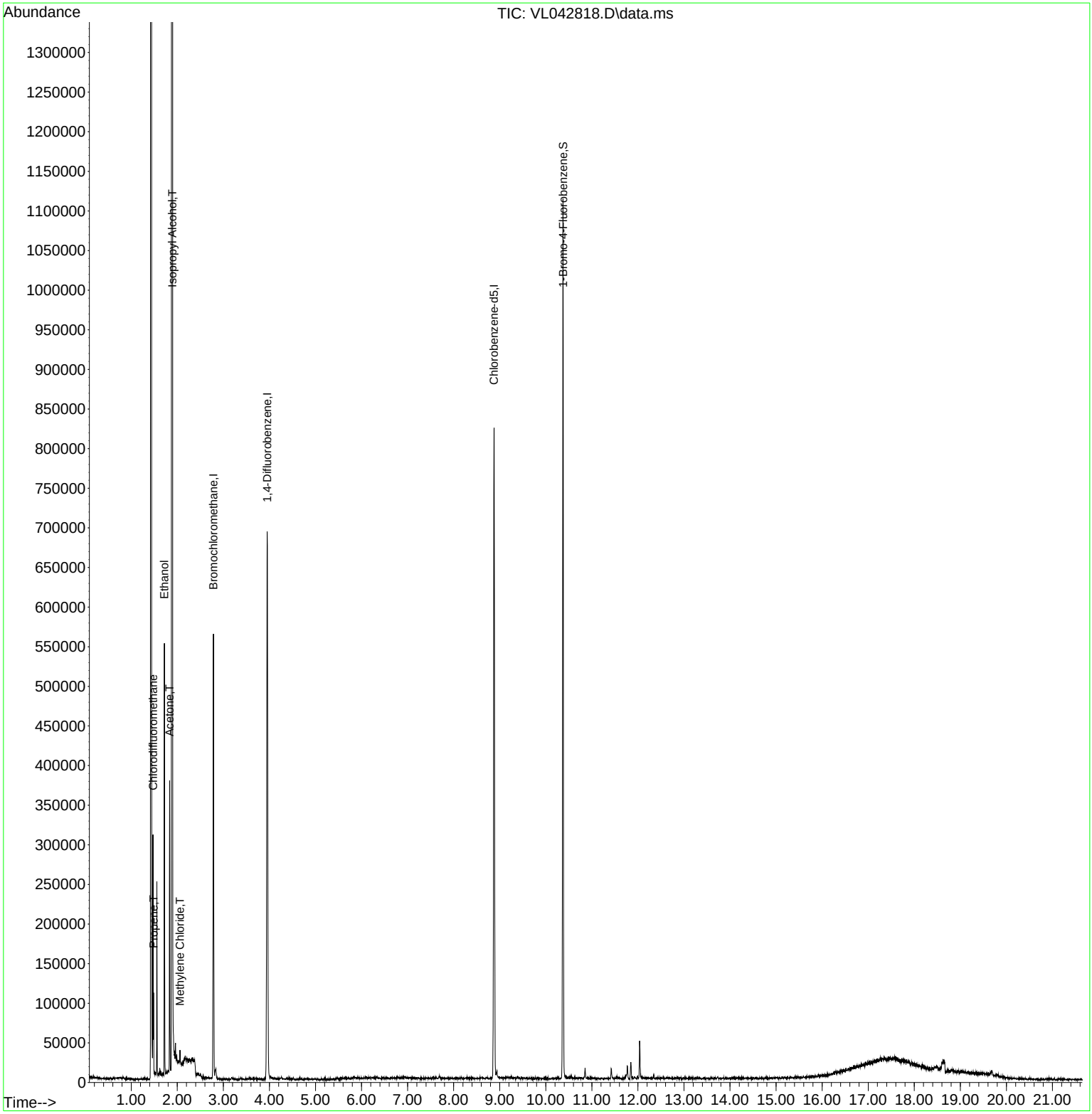
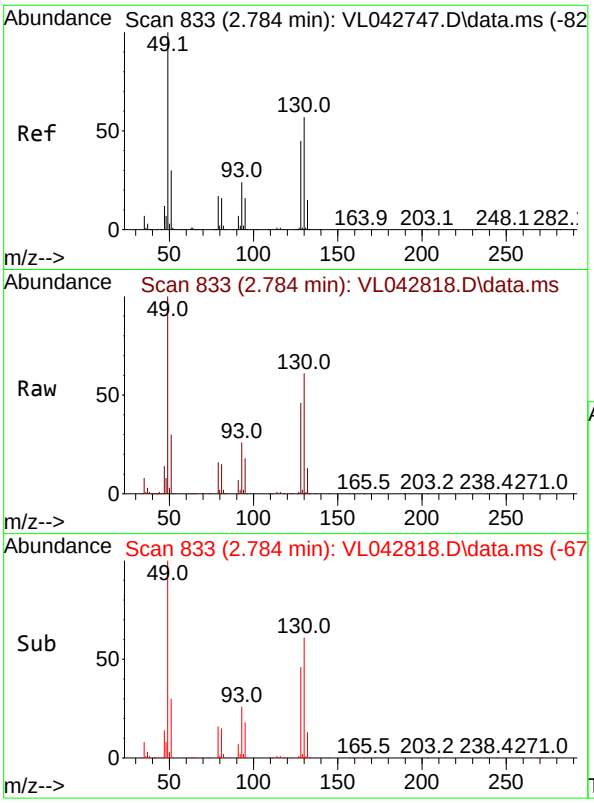
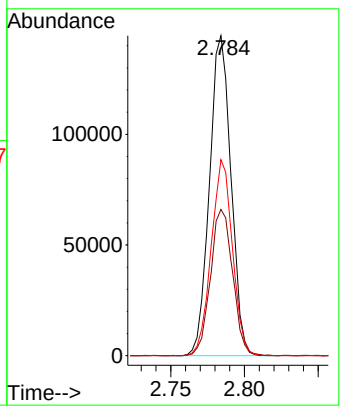




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 49 Resp: 14677

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.6	71.0
130	60.5	30.3	90.8



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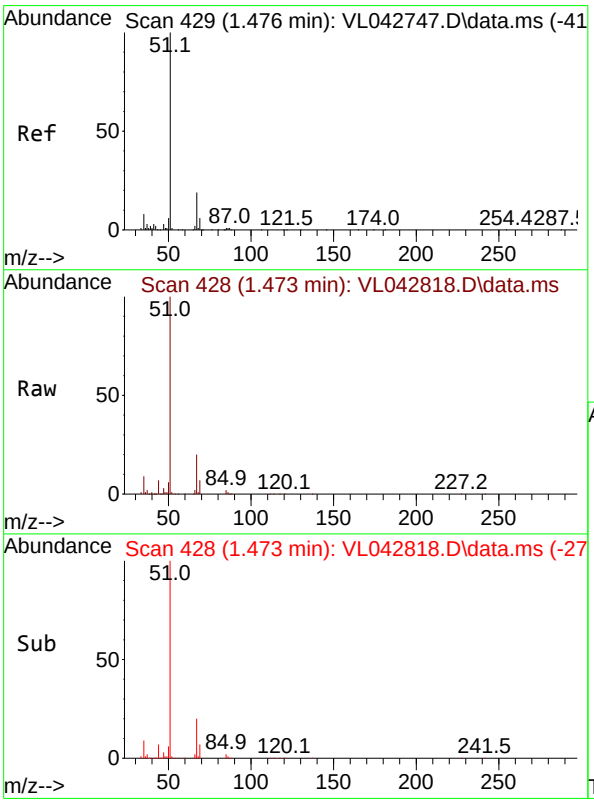
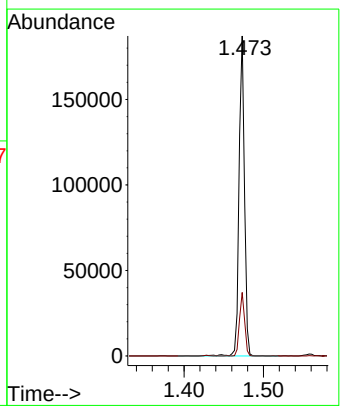
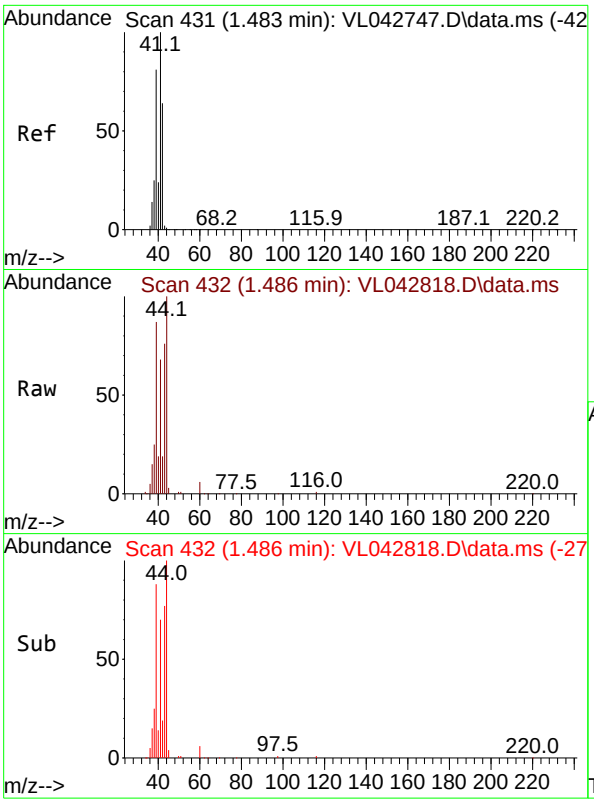


#3
Chlorodifluoromethane
Concen: 3.505 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.003 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 51 Resp: 88603

Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.0	22.6

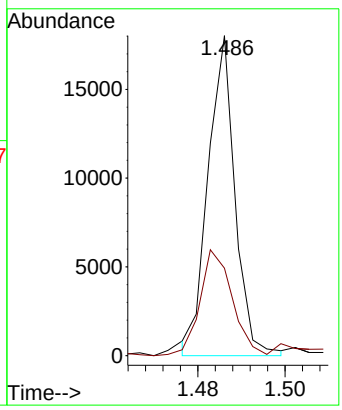




#9
Propene
Concen: 0.843 ppbv m
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 41 Resp: 774

Ion	Ratio	Lower	Upper
41	100		
42	7634.2	53.2	79.8



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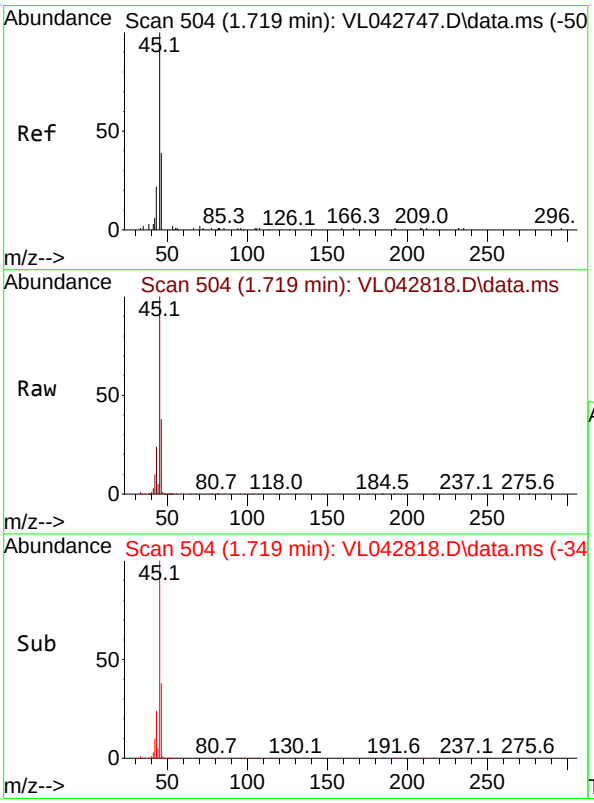
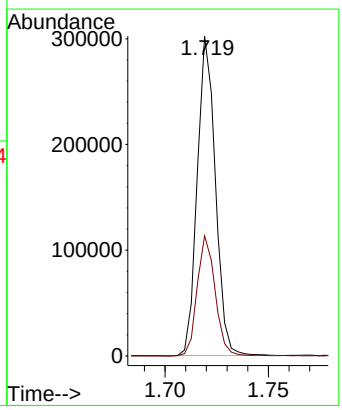
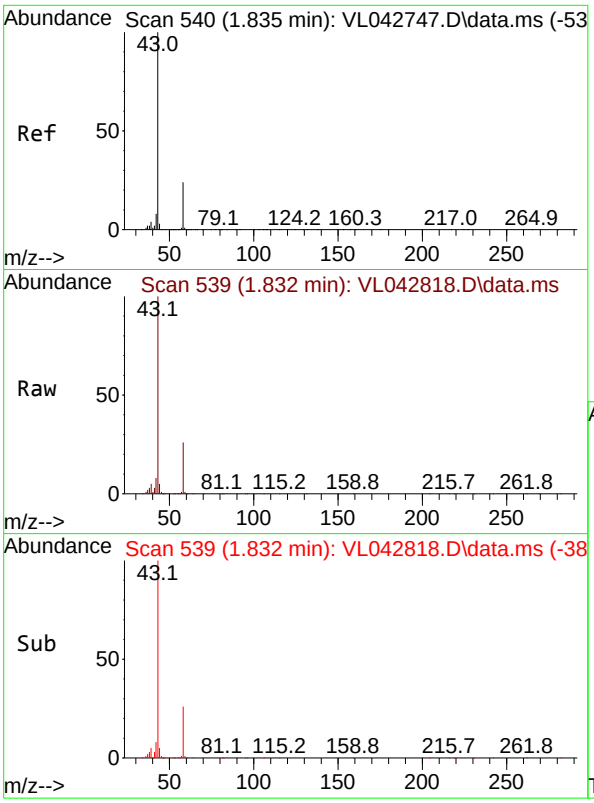


#13
Ethanol
Concen: 274.119 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 45 Resp: 184153

Ion	Ratio	Lower	Upper
45	100		
46	37.5	17.8	71.4

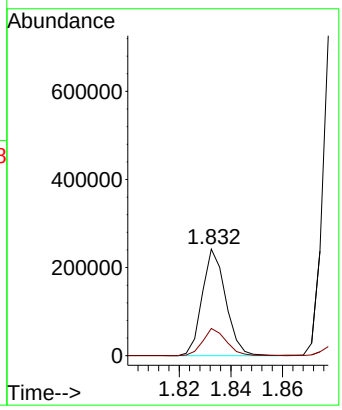




#15
Acetone
Concen: 7.560 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 43 Resp: 15322

Ion	Ratio	Lower	Upper
43	100		
58	25.5	19.8	29.8



Instrument :
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ClientSampleId :
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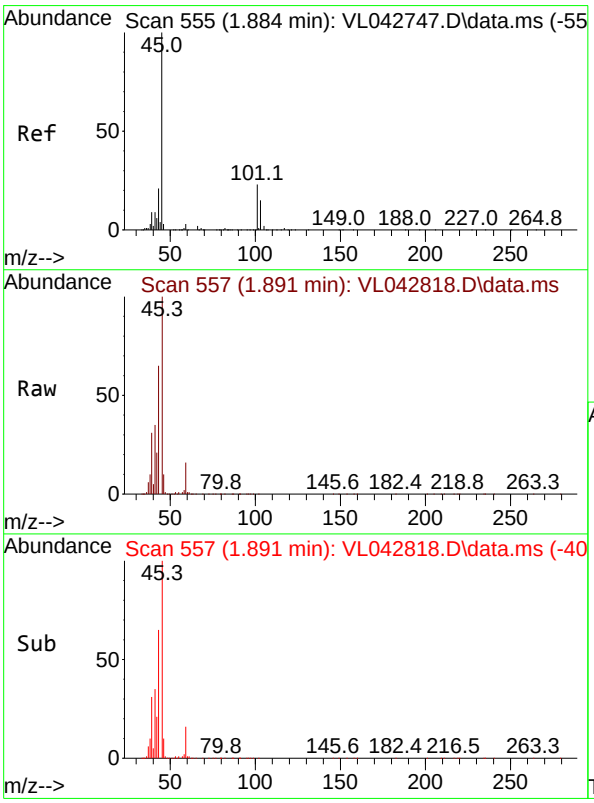
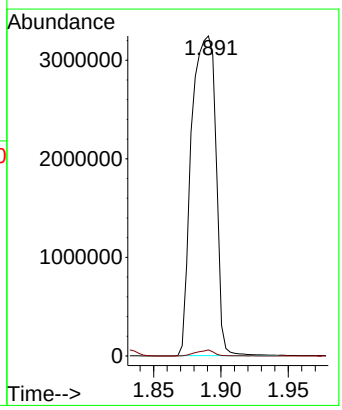
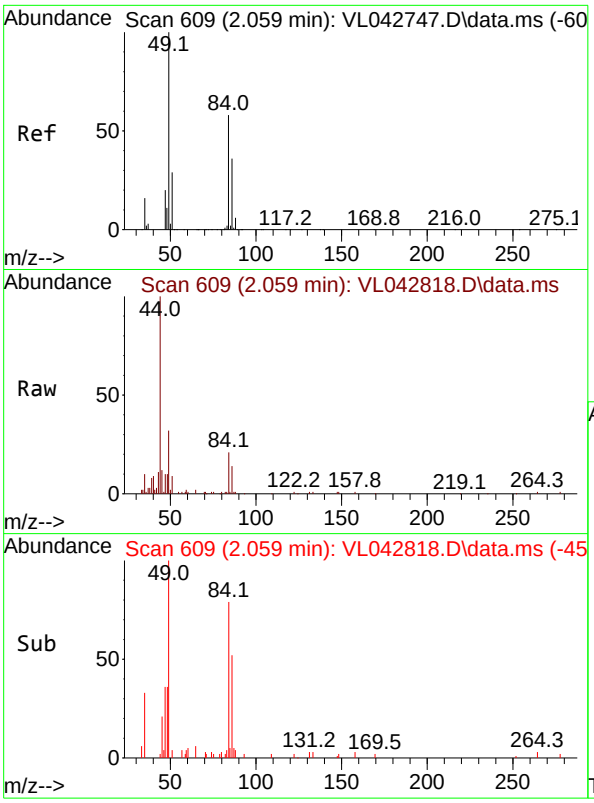


#19
Isopropyl Alcohol
Concen: 378.255 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 45 Resp: 4073948

Ion	Ratio	Lower	Upper
45	100		
58	1.5	30.0	45.0#

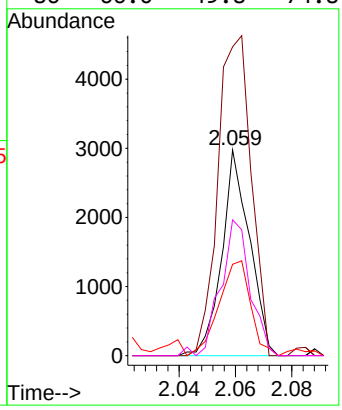




#20
Methylene Chloride
Concen: 0.319 ppbv
RT: 2.059 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 84 Resp: 203

Ion	Ratio	Lower	Upper
84	100		
49	150.0	138.6	208.0
51	44.4	40.6	61.0
86	66.0	49.8	74.8



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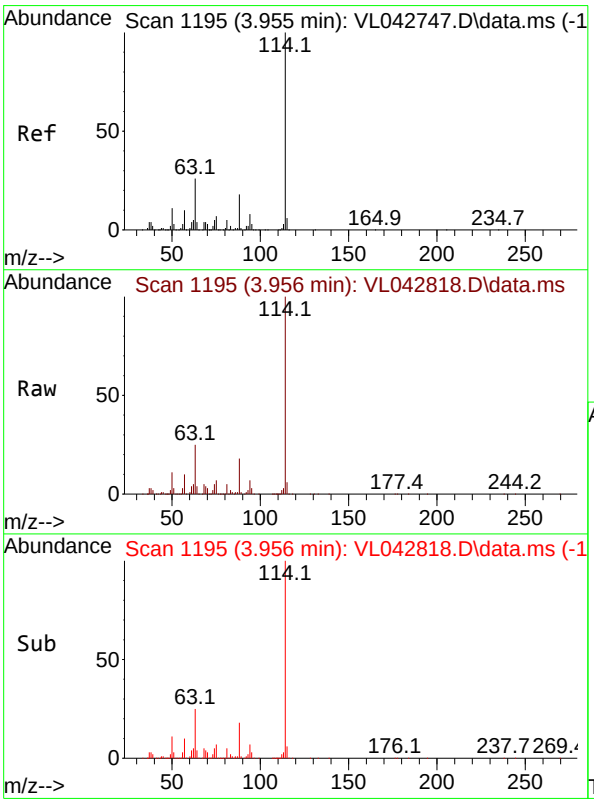
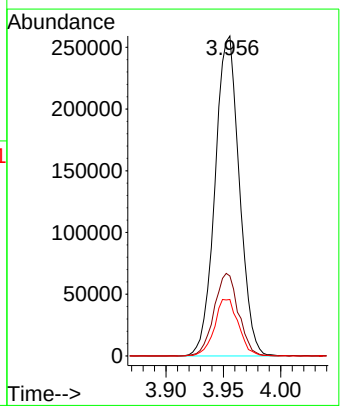
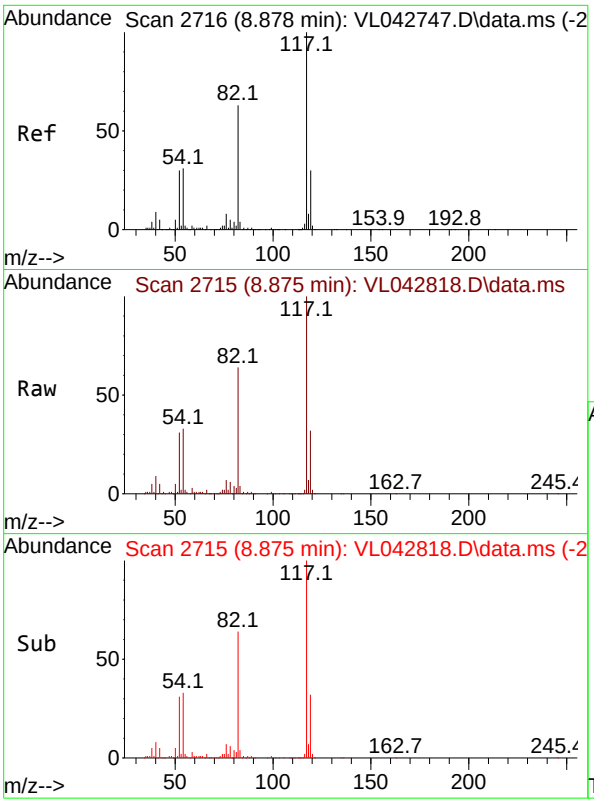


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion:114 Resp: 381523

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	17.6	14.0	21.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion:117 Resp: 32313

Ion	Ratio	Lower	Upper
117	100		
82	64.3	53.3	79.9
119	32.4	25.8	38.6

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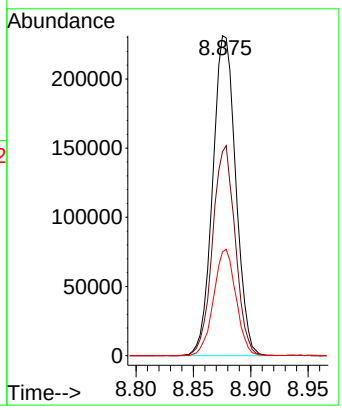
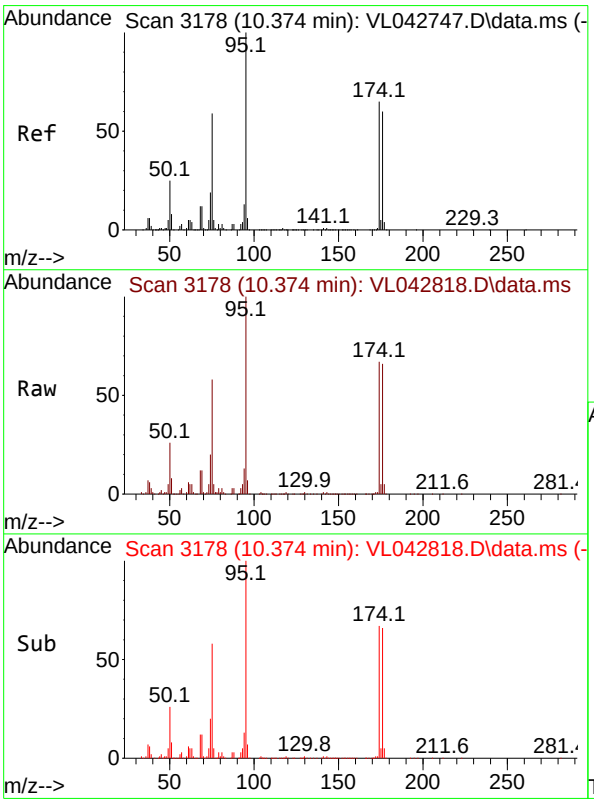
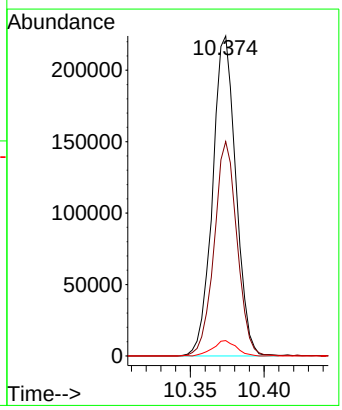




#68
1-Bromo-4-Fluorobenzene
Concen: 9.623 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042818.D
Acq: 04 Aug 2025 22:31

Tgt Ion: 95 Resp: 246263

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	4.9	4.0	6.0