Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042338.D
Acq On : 15 Apr 2025 18:21
Operator : SY/MD
Sample : Q1802-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:35:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.810	49	177469	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.991	114	444007	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	384020	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.403	95	297137	9.422	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.200%			
Target Compounds						Qvalue
13) Ethanol	1.732	45	3659	3.155	ppbv #	27
15) Acetone	1.848	43	5789	0.233	ppbv #	39
20) Methylene Chloride	2.075	84	1377	0.149	ppbv #	90
29) Chloroform	2.868	83	10125	0.278	ppbv	90
34) 2-Butanone	2.580	43	17870	0.555	ppbv	97
38) Trichloroethene	4.590	130	7559m	0.412	ppbv	
52) Tetrachloroethene	8.257	164	187304	10.730	ppbv	98

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

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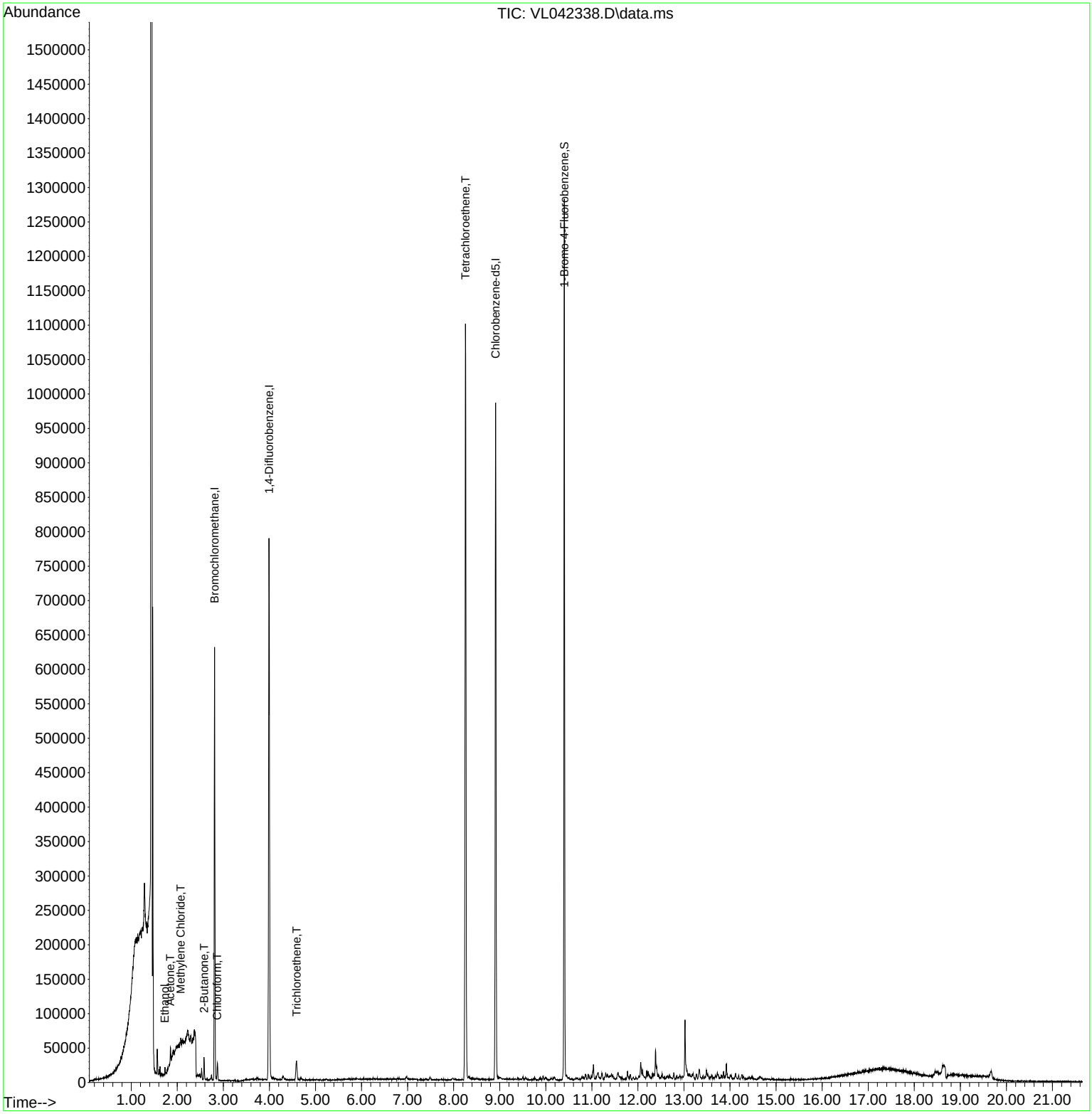
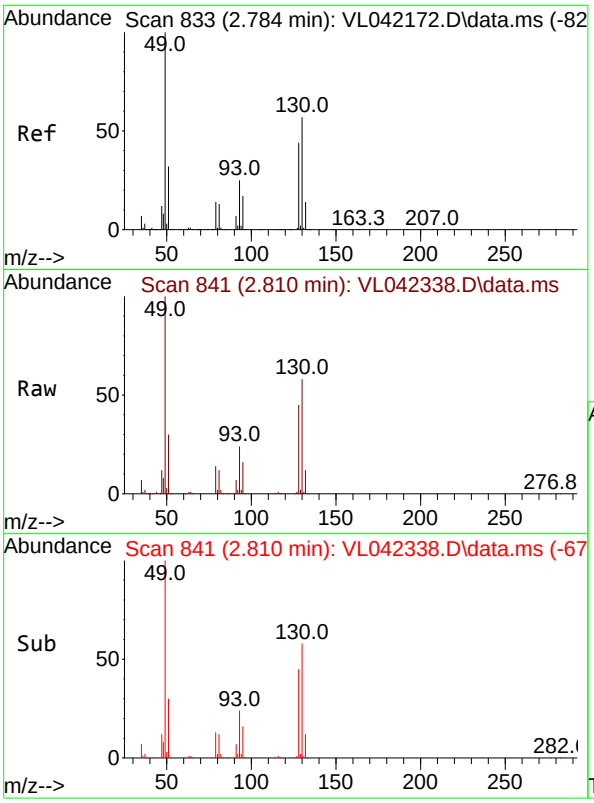
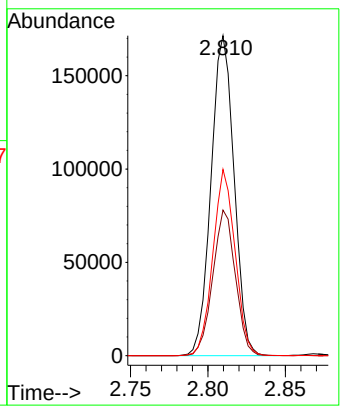




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 84
Delta R.T. 0.026 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 49 Resp: 17746

Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.9	68.5
130	56.2	28.8	86.4



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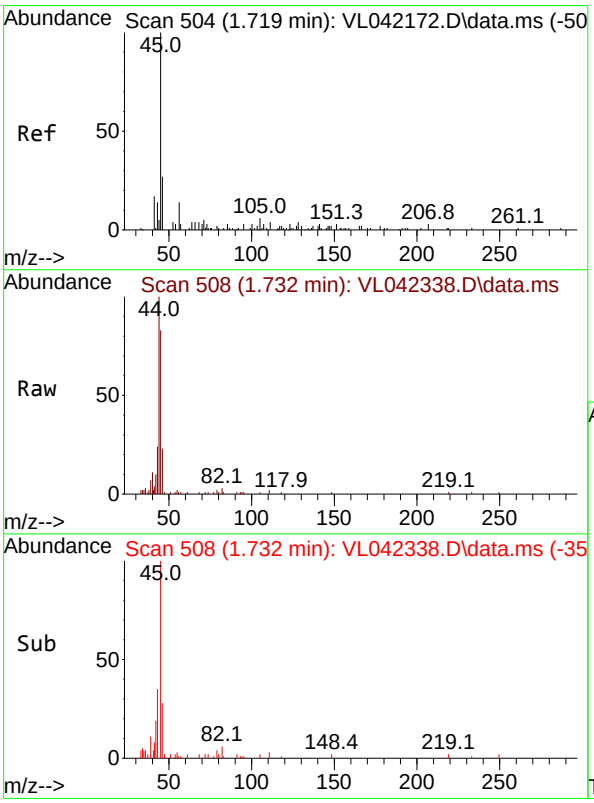
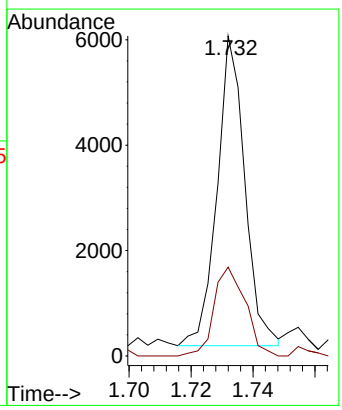
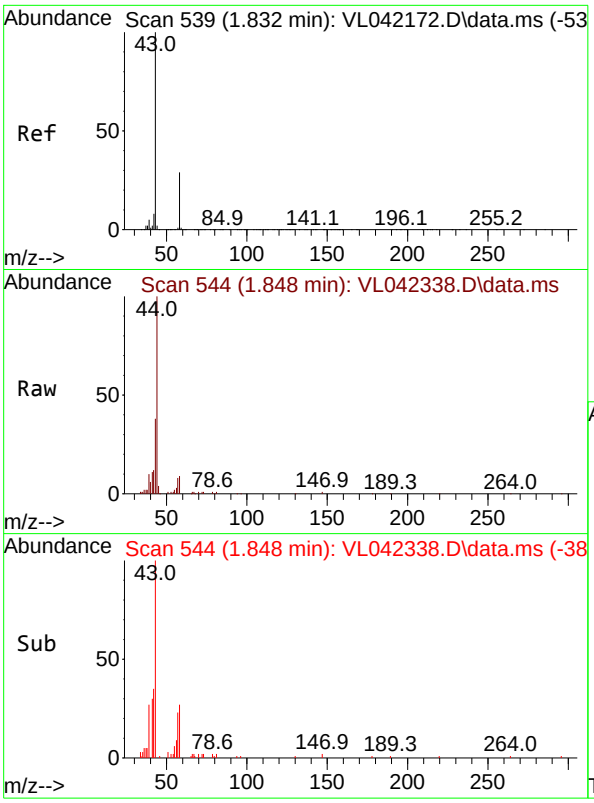


#13
Ethanol
Concen: 3.155 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 45 Resp: 3659

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#





#15
Acetone
Concen: 0.233 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.016 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 43 Resp: 578

Ion	Ratio	Lower	Upper
43	100		
58	61.6	23.2	34.8#

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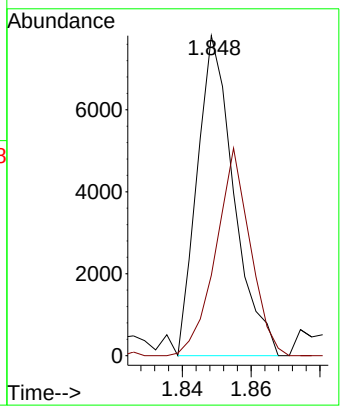
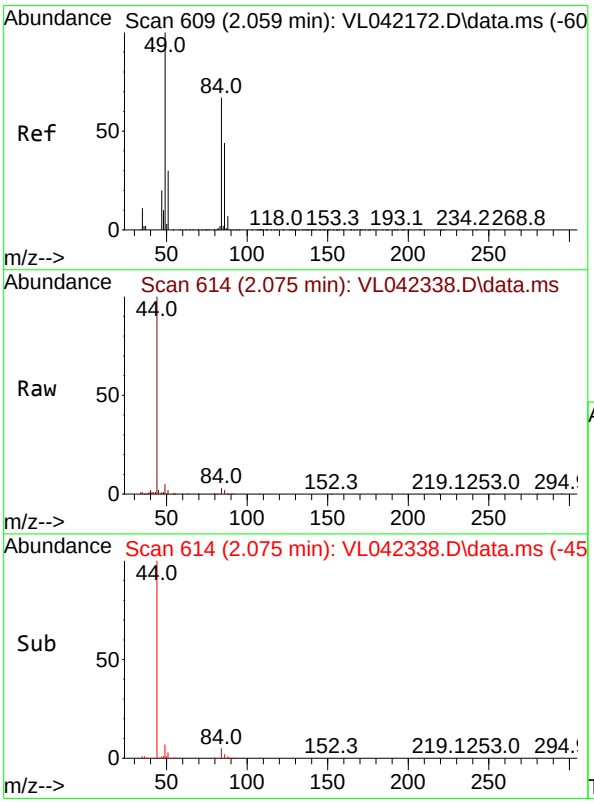
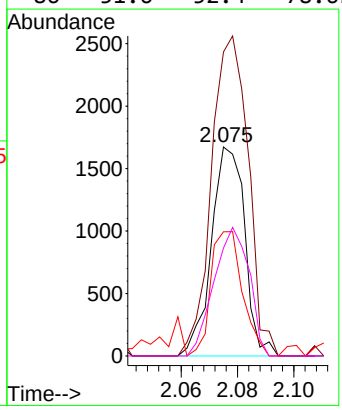


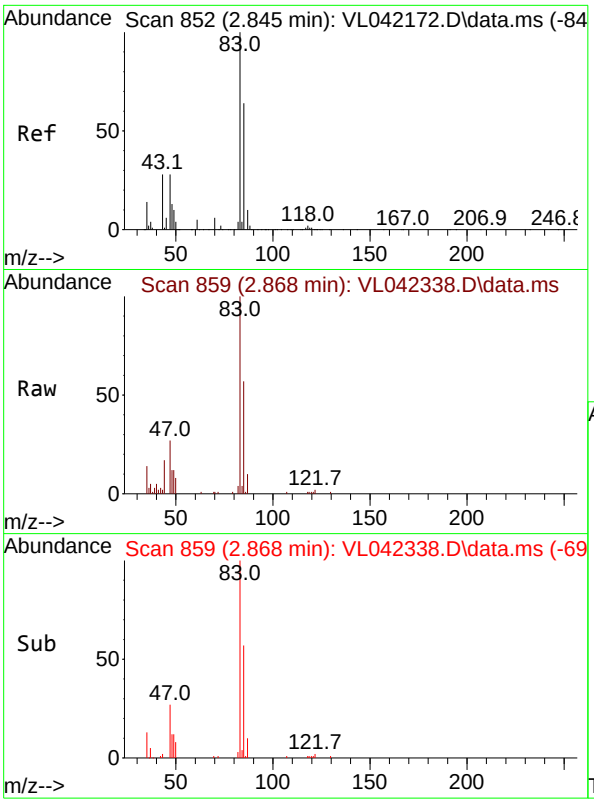


#20
Methylene Chloride
Concen: 0.149 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 84 Resp: 1377

Ion	Ratio	Lower	Upper
84	100		
49	145.5	120.2	180.4
51	59.4	37.4	56.0#
86	51.6	52.4	78.6#





#29
Chloroform
Concen: 0.278 ppbv
RT: 2.868 min Scan# 8
Delta R.T. 0.023 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 83 Resp: 1012

Ion	Ratio	Lower	Upper
83	100		
85	56.5	51.4	77.2

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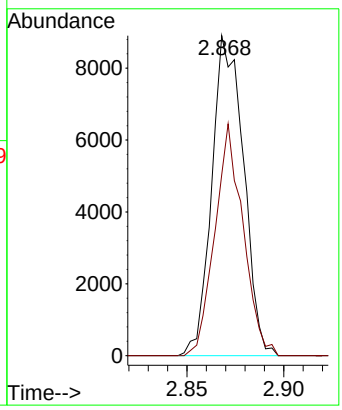
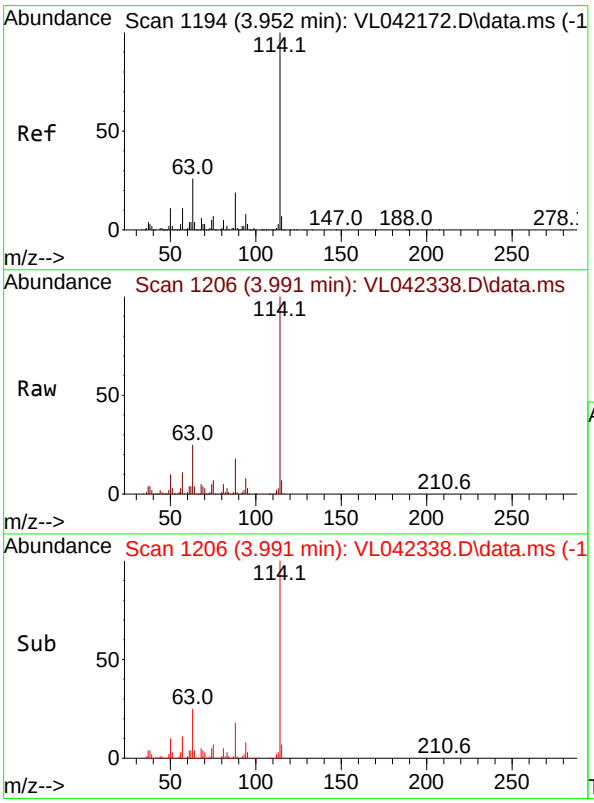
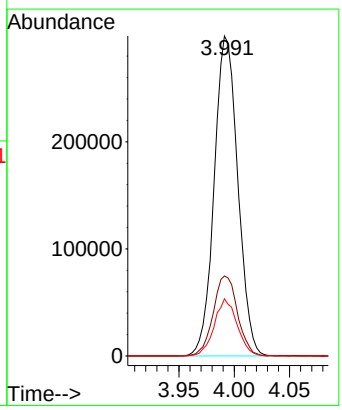


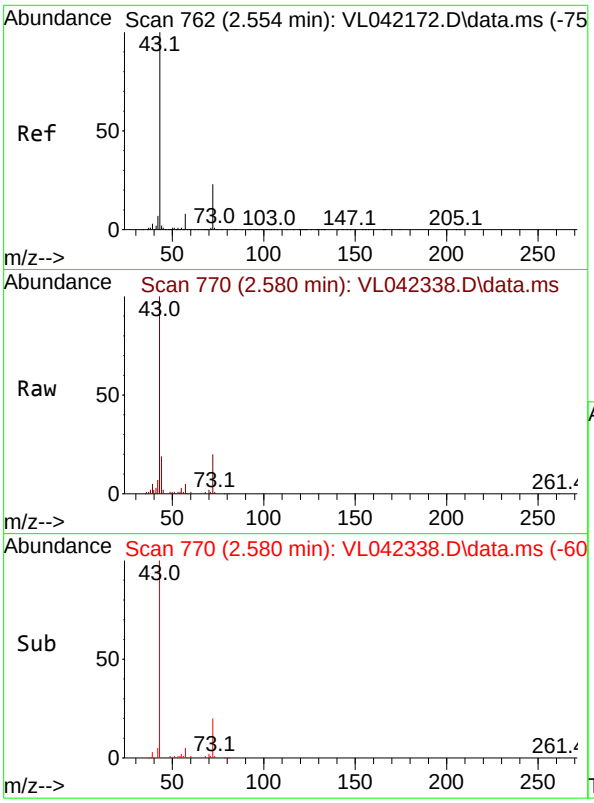


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.991 min Scan# 1206
Delta R.T. 0.039 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion:114 Resp: 444007

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	17.3	15.0	22.4





#34
2-Butanone
Concen: 0.555 ppbv
RT: 2.580 min Scan# 7
Delta R.T. 0.026 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 43 Resp: 1787

Ion	Ratio	Lower	Upper
43	100		
72	21.4	18.2	27.2

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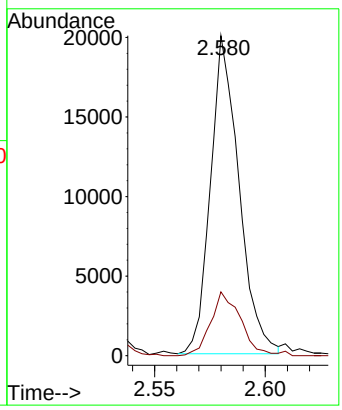
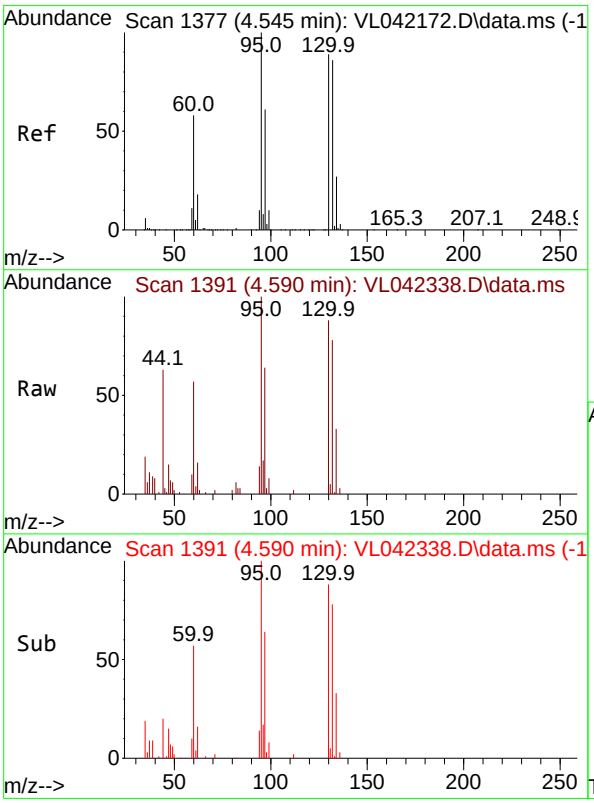
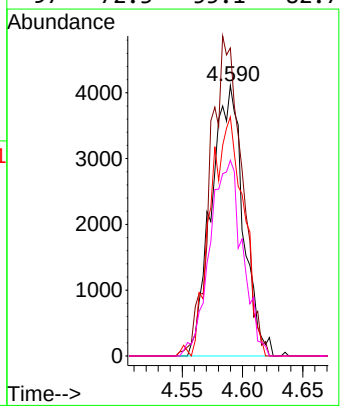


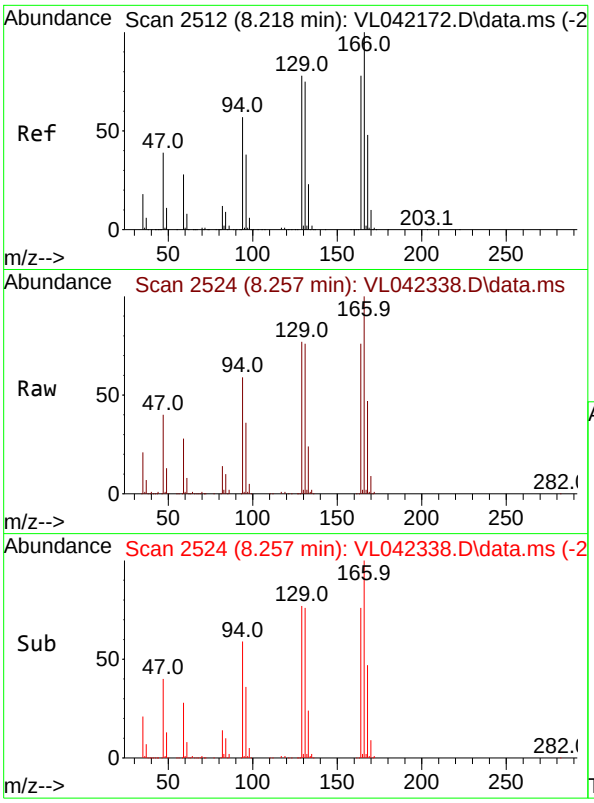


#38
Trichloroethene
Concen: 0.412 ppbv m
RT: 4.590 min Scan# 1391
Delta R.T. 0.045 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion:130 Resp: 7559

Ion	Ratio	Lower	Upper
130	100		
95	113.9	89.8	134.8
132	88.4	77.4	116.2
97	72.3	55.1	82.7

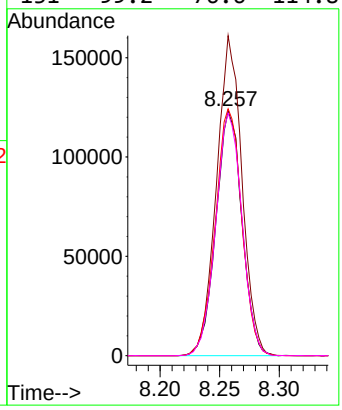




#52
Tetrachloroethene
Concen: 10.730 ppbv
RT: 8.257 min Scan# 2
Delta R.T. 0.039 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion:164 Resp: 18730

Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.5	153.7
129	101.0	79.8	119.8
131	99.2	76.6	114.8



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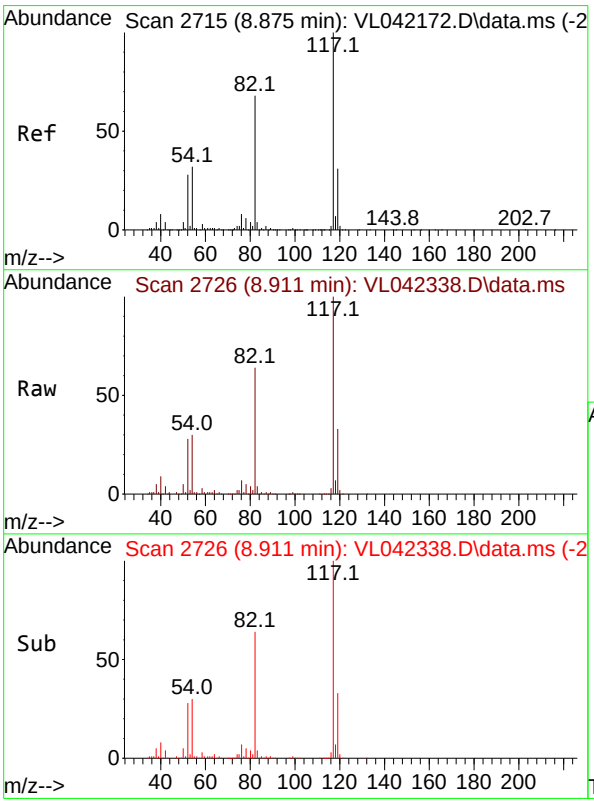
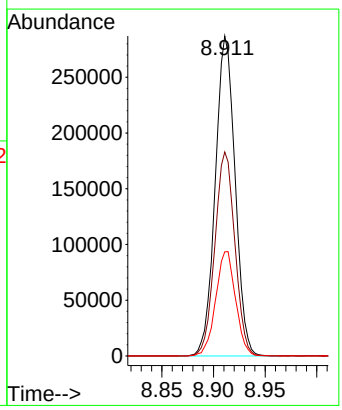
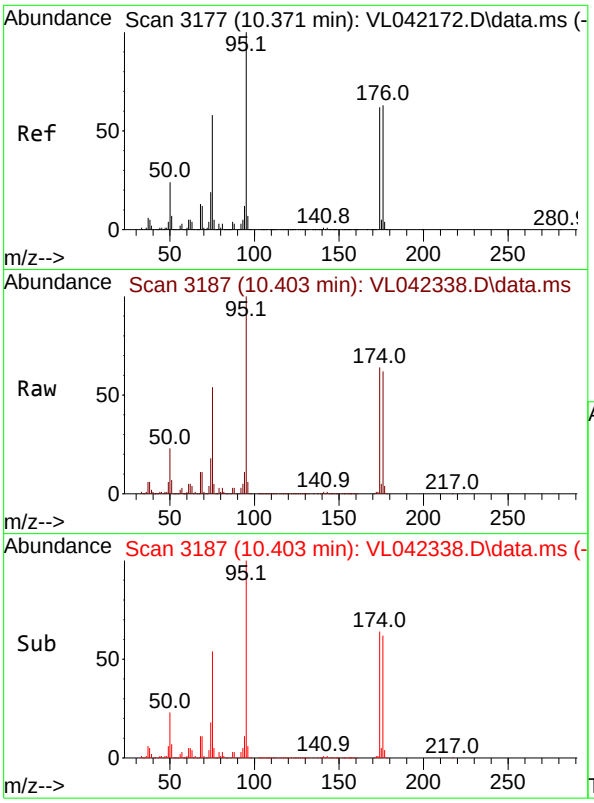


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. 0.036 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion:117 Resp: 384020

Ion	Ratio	Lower	Upper
117	100		
82	64.3	55.8	83.6
119	32.8	25.5	38.3

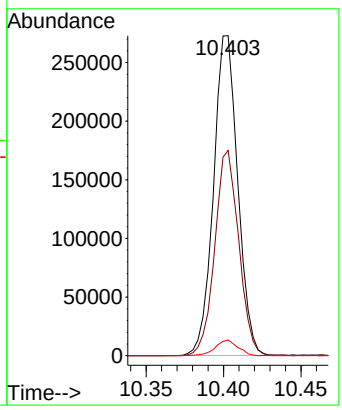




#68
1-Bromo-4-Fluorobenzene
Concen: 9.422 ppbv
RT: 10.403 min Scan# 3
Delta R.T. 0.032 min
Lab File: VL042338.D
Acq: 15 Apr 2025 18:21

Tgt Ion: 95 Resp: 29713

Ion	Ratio	Lower	Upper
95	100		
174	63.5	50.6	76.0
175	4.6	3.8	5.6



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