Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040830.D
Acq On : 9 Nov 2023 10:38
Operator : SY/MD
Sample : 05275-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 10 05:09:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-2DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.221	49	1119898	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2722739	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2352060	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1766493	10.207	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.780	85	27113	0.137	ppbv	99
4) Chloromethane	2.861	50	8266m	0.127	ppbv	
9) Propene	2.748	41	24359m	0.398	ppbv	
13) Ethanol	3.285	45	170527m	12.358	ppbv	
15) Acetone	3.517	43	291445	2.517	ppbv	100
17) tert-Butyl alcohol	3.928	59	89736m	0.756	ppbv	
19) Isopropyl Alcohol	3.632	45	39804m	0.534	ppbv	
20) Methylene Chloride	3.970	84	306096	6.347	ppbv	95
26) Hexane	5.240	57	464226	4.004	ppbv #	40
34) 2-Butanone	4.835	43	20717	0.168	ppbv	96
36) Benzene	6.394	78	24830m	0.119	ppbv	
53) Toluene	9.237	91	44876	0.180	ppbv	98
59) m/p-Xylene	12.349	91	30229m	0.124	ppbv	

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

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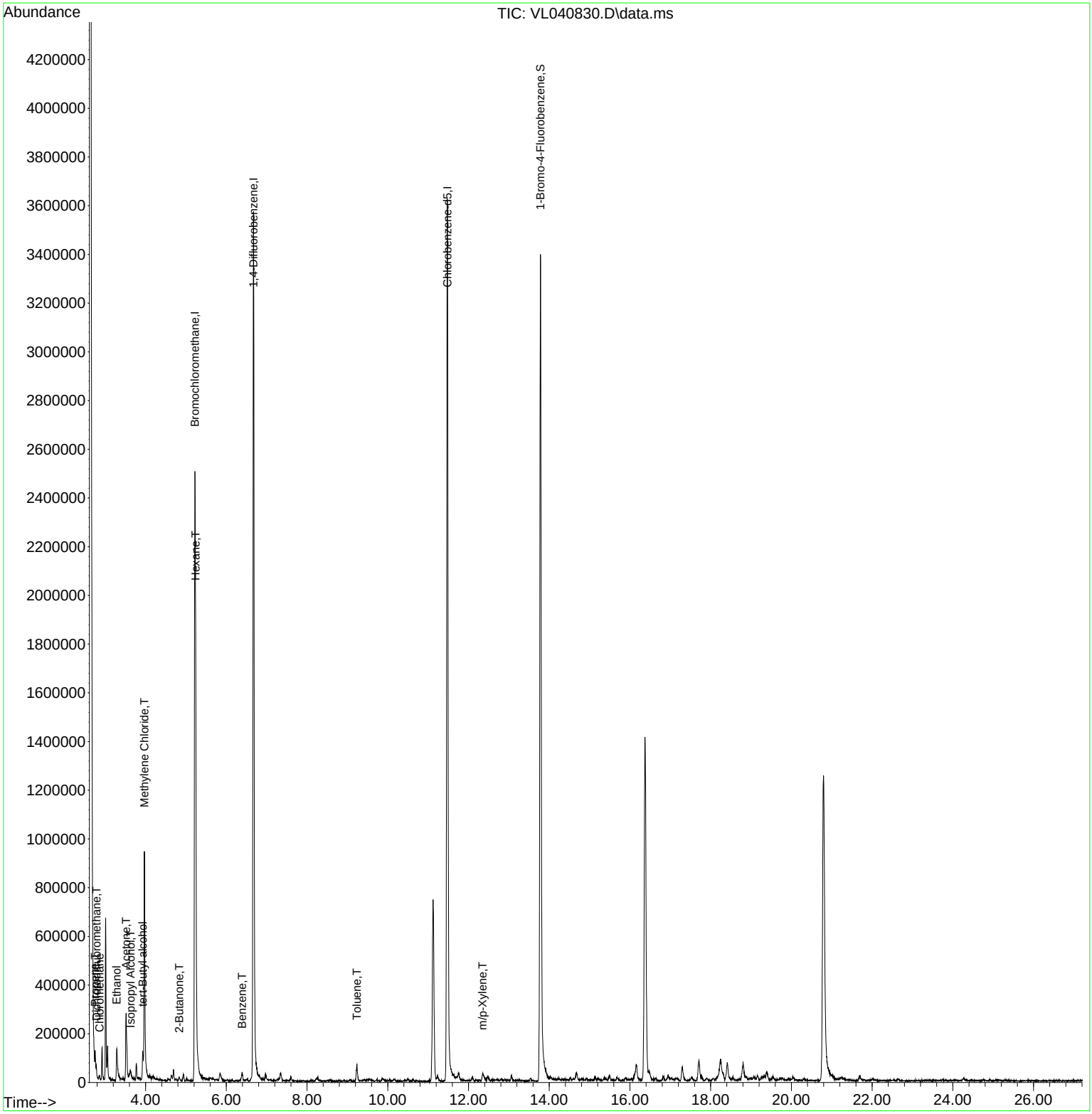

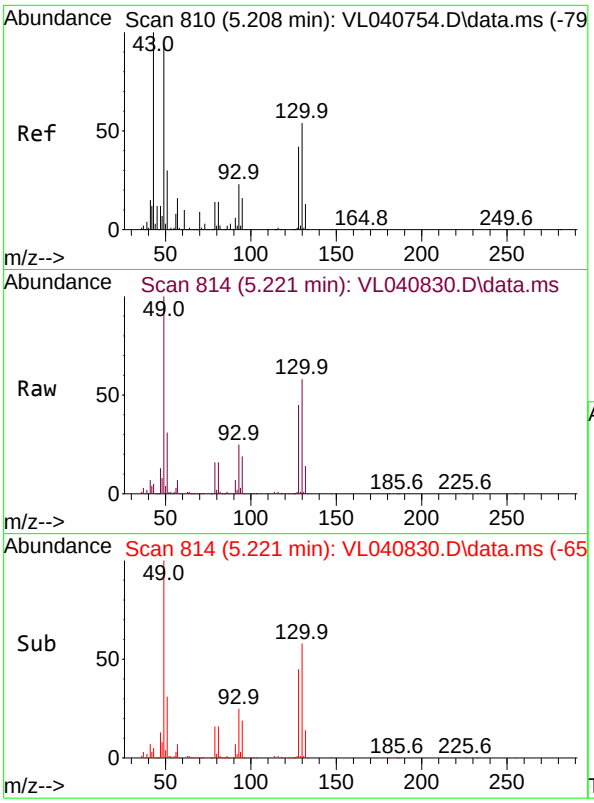

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 8
Delta R.T. 0.013 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 49 Resp: 111989

Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.9	71.7
130	60.7	30.7	92.1

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-2DL

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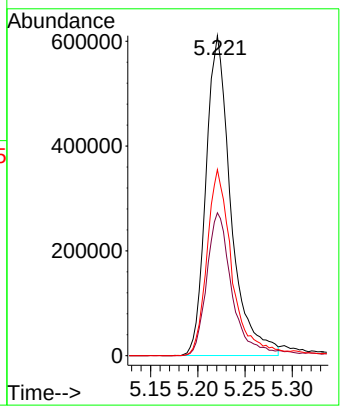
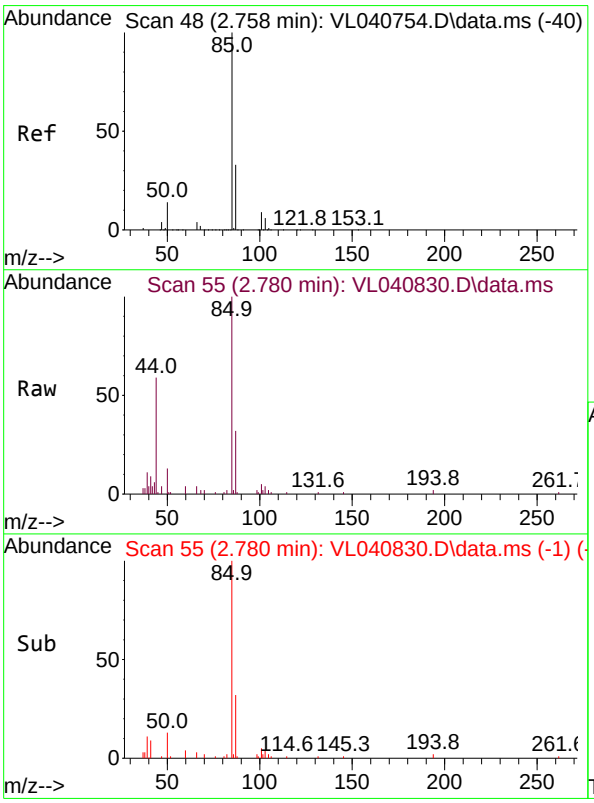
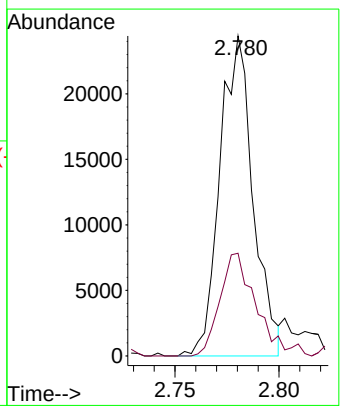


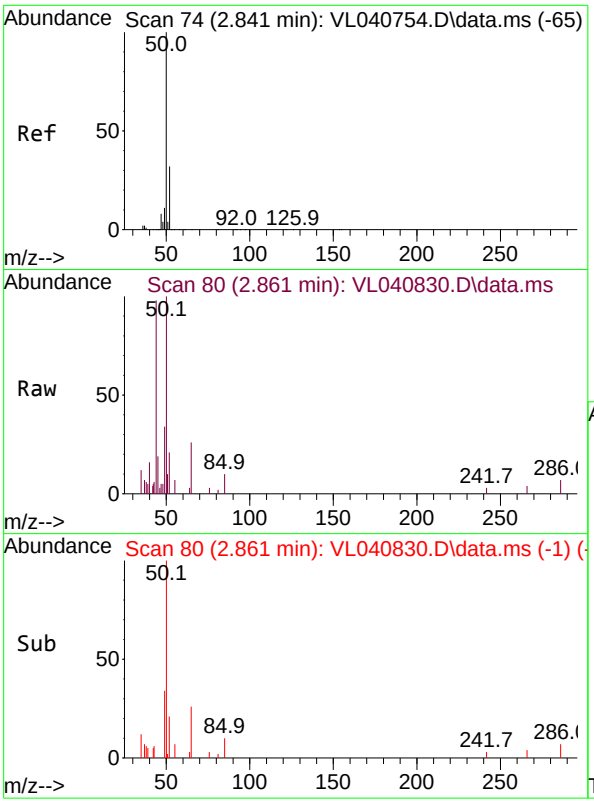


#2
Dichlorodifluoromethane
Concen: 0.137 ppbv
RT: 2.780 min Scan# 55
Delta R.T. 0.010 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 85 Resp: 27113

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.0	39.0





#4
Chloromethane
Concen: 0.127 ppbv m
RT: 2.861 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 50 Resp: 826

Ion	Ratio	Lower	Upper
50	100		
52	20.9	25.3	37.9#

Instrument :
MSVOA_L
ClientSampleId :
NT-IA-2DL

Manual Integrations
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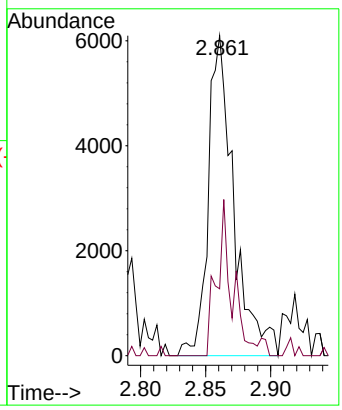
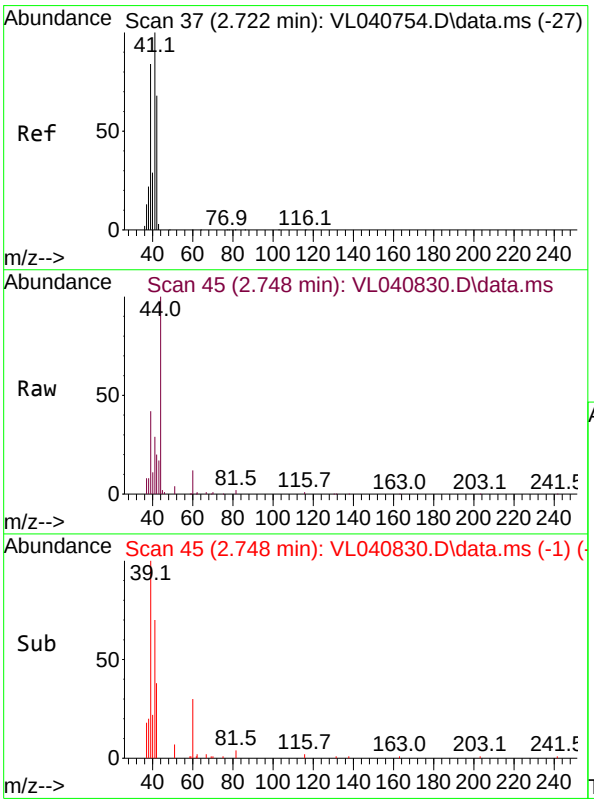
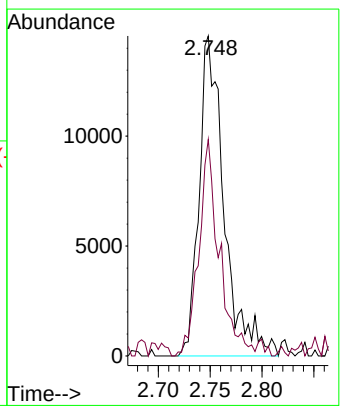


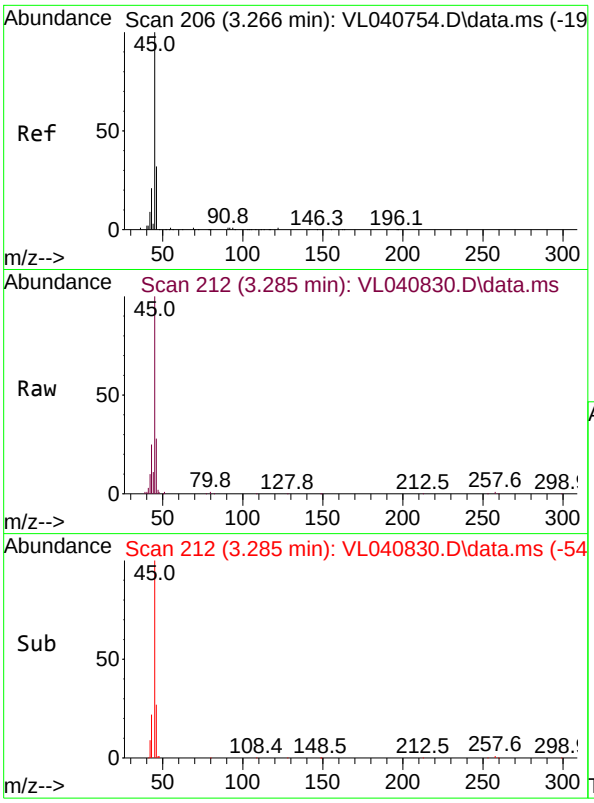


#9
Propene
Concen: 0.398 ppbv m
RT: 2.748 min Scan# 45
Delta R.T. 0.013 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 41 Resp: 24359

Ion	Ratio	Lower	Upper
41	100		
42	56.8	57.1	85.7#

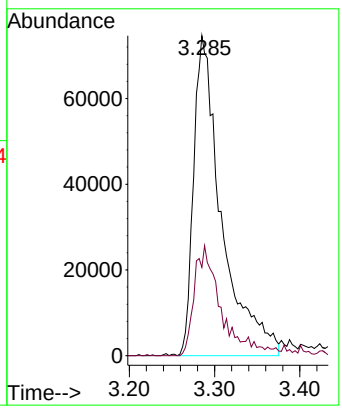




#13
Ethanol
Concen: 12.358 ppbv m
RT: 3.285 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 45 Resp: 17052

Ion	Ratio	Lower	Upper
45	100		
46	35.1	14.6	58.2



Instrument :
MSVOA_L
ClientSampleId :
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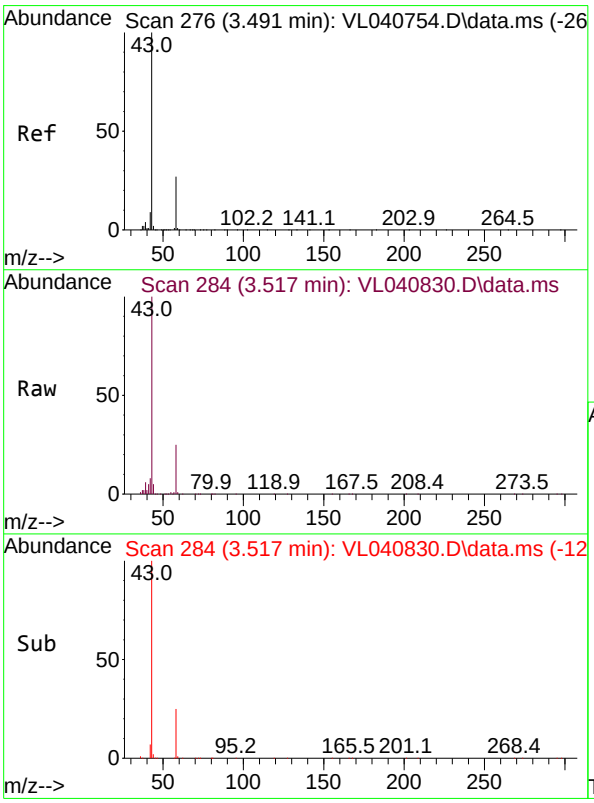
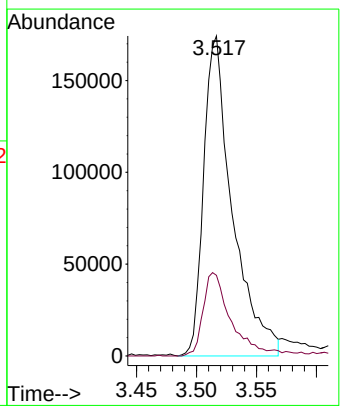
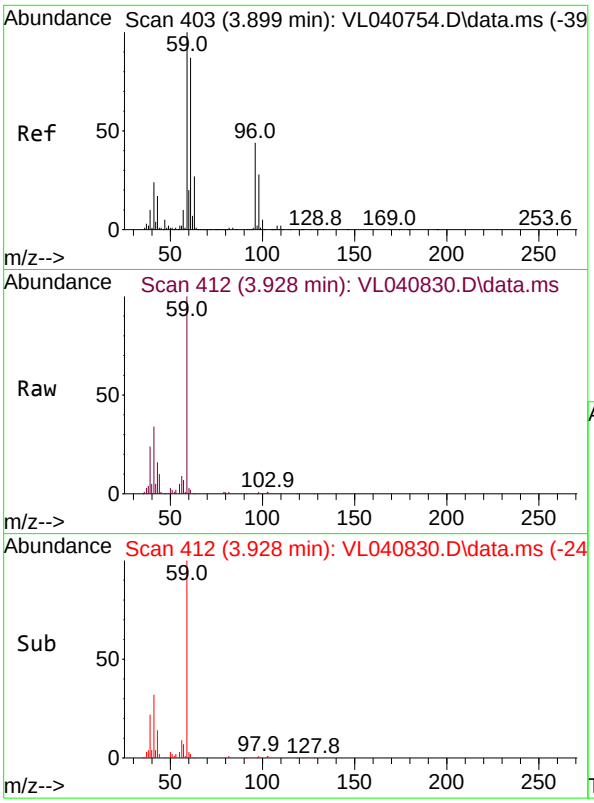


#15
Acetone
Concen: 2.517 ppbv
RT: 3.517 min Scan# 284
Delta R.T. 0.016 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 43 Resp: 291445

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.6	32.4

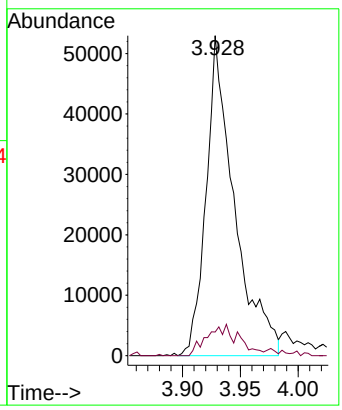




#17
tert-Butyl alcohol
Concen: 0.756 ppbv m
RT: 3.928 min Scan# 4
Delta R.T. 0.023 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 59 Resp: 8973

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
NT-IA-2DL

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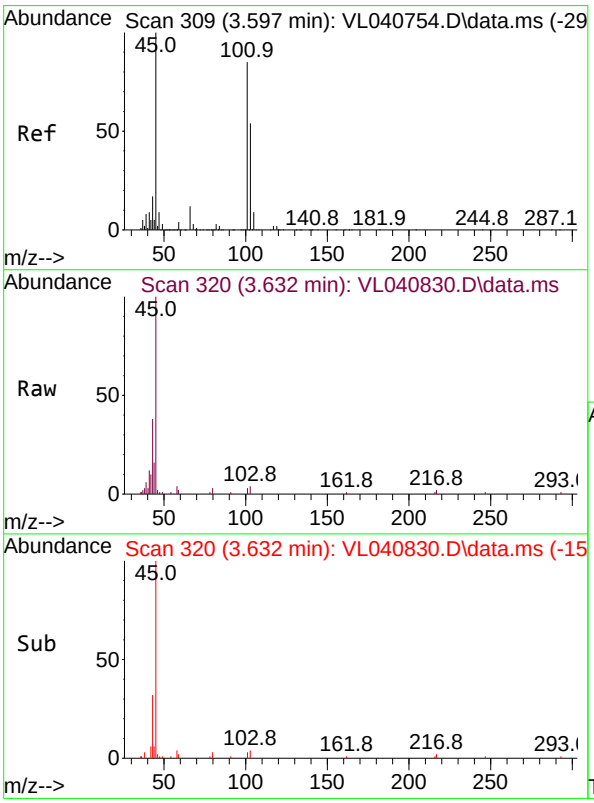
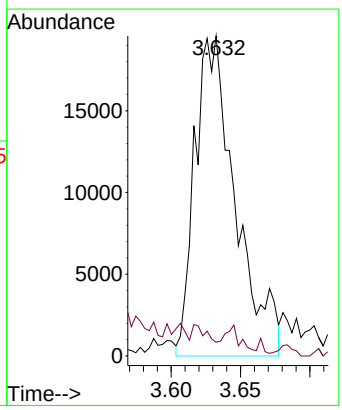
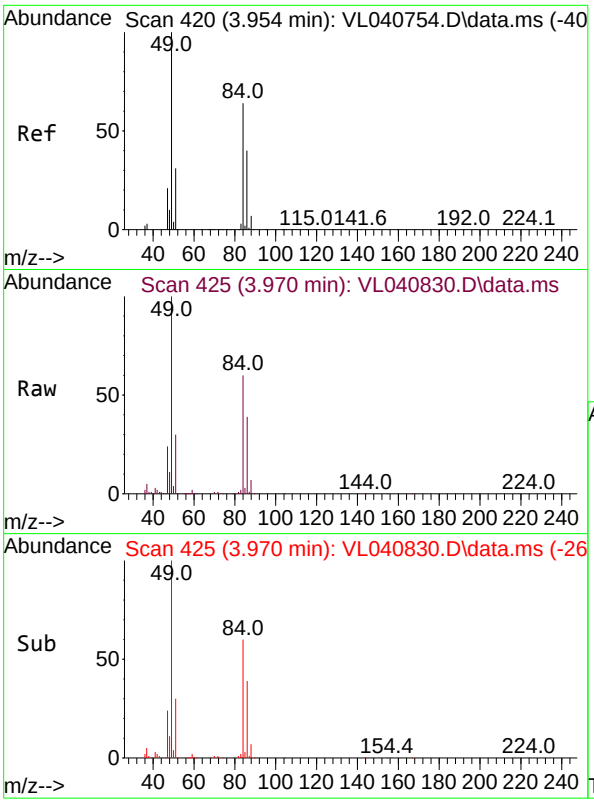


#19
Isopropyl Alcohol
Concen: 0.534 ppbv m
RT: 3.632 min Scan# 320
Delta R.T. 0.026 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 45 Resp: 39804

Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.3	45.5#

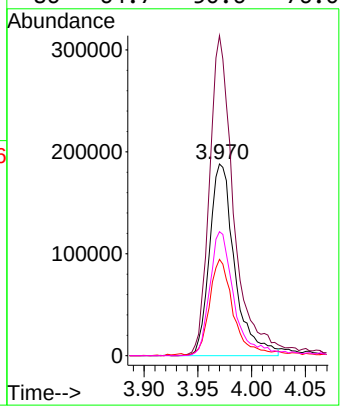




#20
Methylene Chloride
Concen: 6.347 ppbv
RT: 3.970 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 84 Resp: 30609

Ion	Ratio	Lower	Upper
84	100		
49	167.0	125.6	188.4
51	49.5	38.9	58.3
86	64.7	50.6	76.0



Instrument :
MSVOA_L
ClientSampleId :
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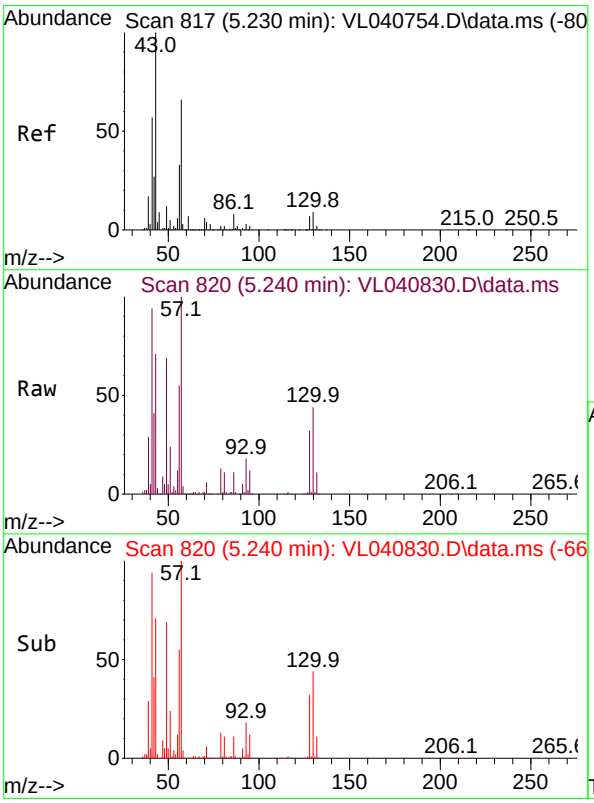
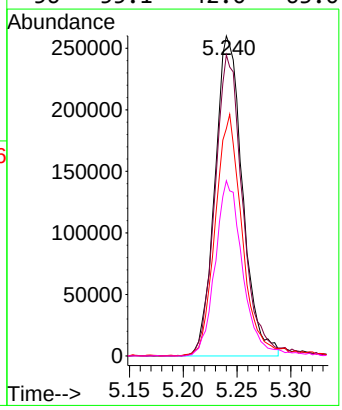
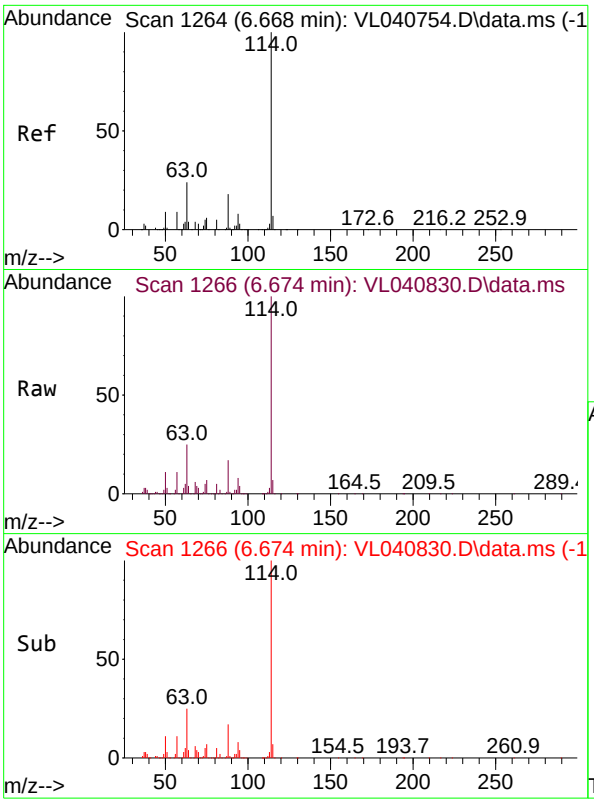


#26
Hexane
Concen: 4.004 ppbv
RT: 5.240 min Scan# 820
Delta R.T. 0.013 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 57 Resp: 464226

Ion	Ratio	Lower	Upper
57	100		
41	96.4	71.4	107.2
43	74.6	182.3	273.5#
56	55.1	42.0	63.0

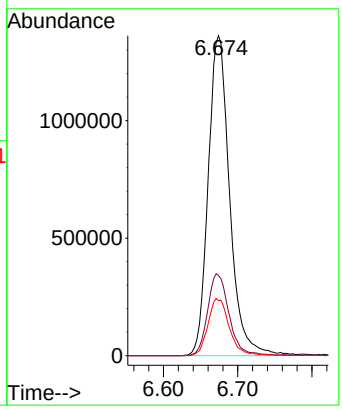




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion:114 Resp: 272273

Ion	Ratio	Lower	Upper
114	100		
63	25.9	19.8	29.6
88	17.9	14.2	21.2



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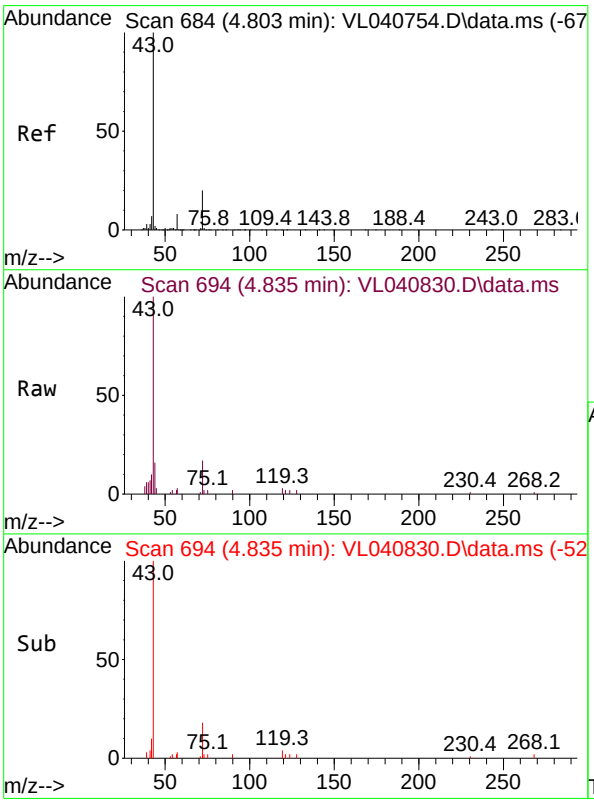
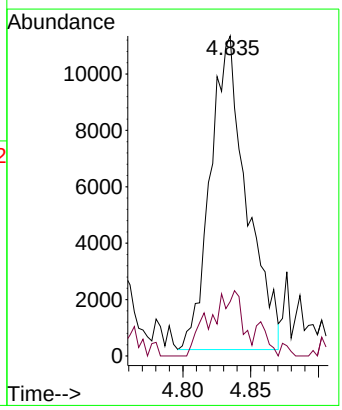
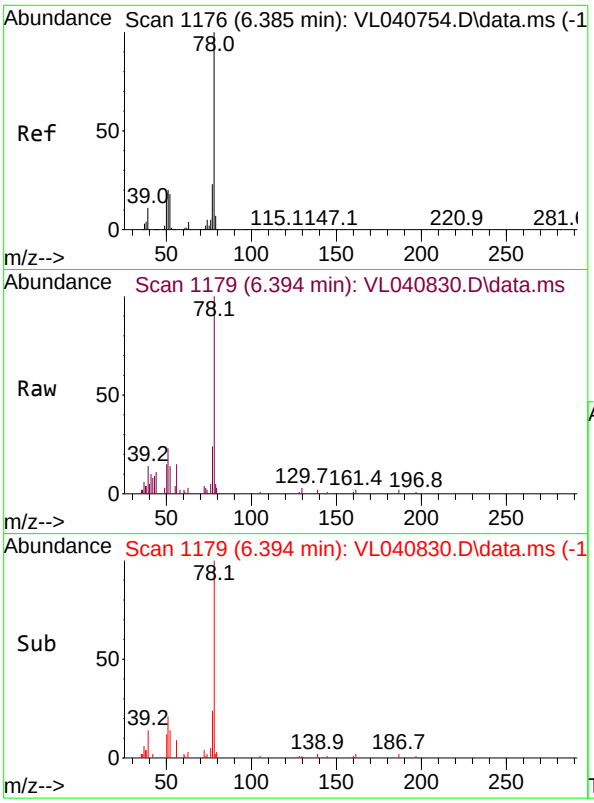


#34
2-Butanone
Concen: 0.168 ppbv
RT: 4.835 min Scan# 694
Delta R.T. 0.029 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 43 Resp: 20717

Ion	Ratio	Lower	Upper
43	100		
72	23.1	16.8	25.2

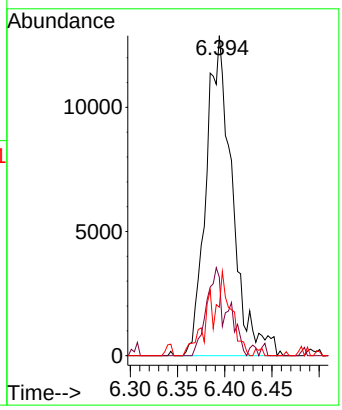




#36
Benzene
Concen: 0.119 ppbv m
RT: 6.394 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 78 Resp: 2483

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.4	27.6
50	15.1	15.0	22.4



Instrument :
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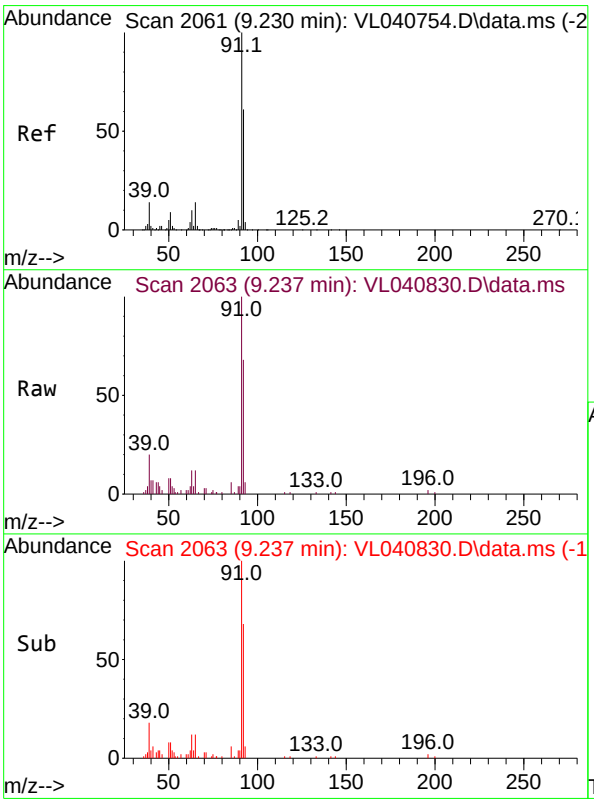
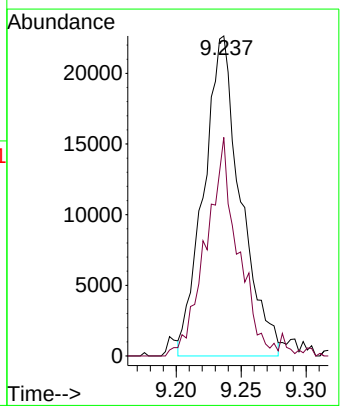
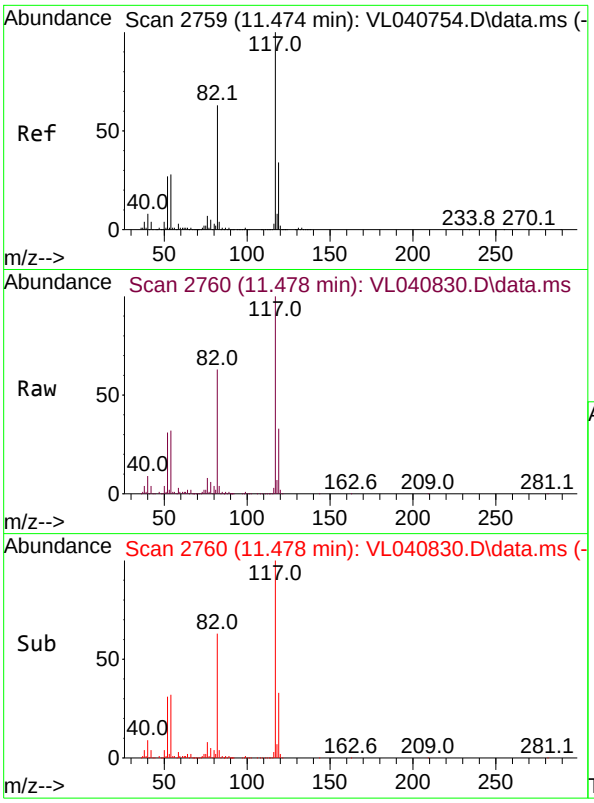


#53
Toluene
Concen: 0.180 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.016 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 91 Resp: 44876

Ion	Ratio	Lower	Upper
91	100		
92	60.8	50.2	75.2

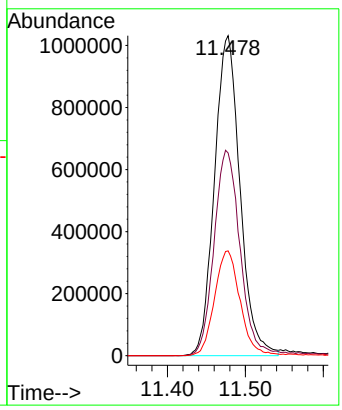




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion:117 Resp: 235206

Ion	Ratio	Lower	Upper
117	100		
82	66.4	46.6	70.0
119	33.1	26.0	39.0



Instrument :
MSVOA_L
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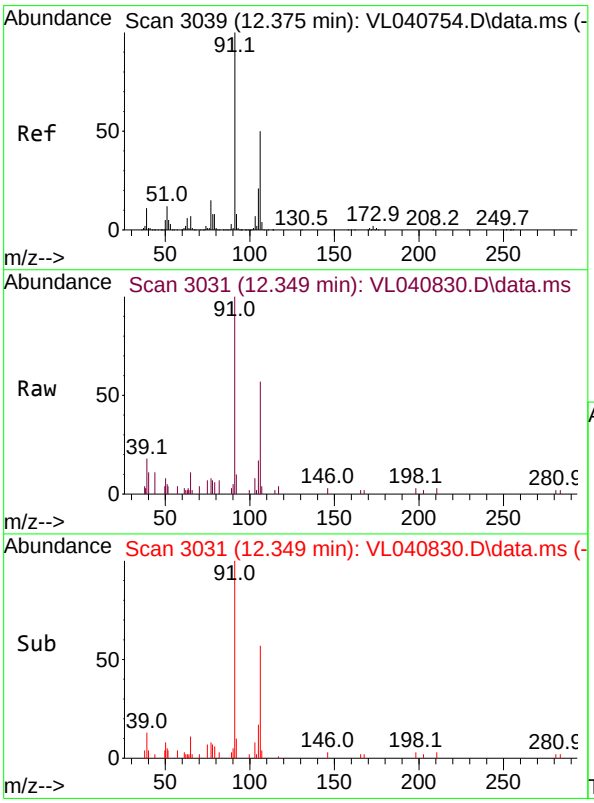
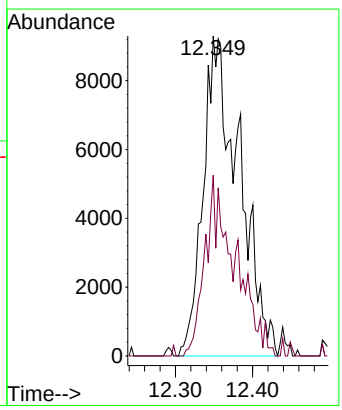
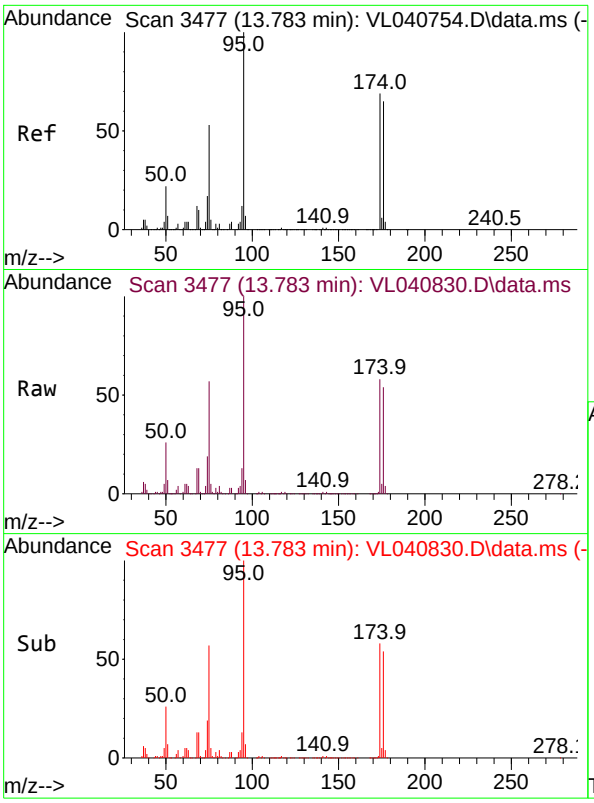


#59
m/p-Xylene
Concen: 0.124 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. -0.019 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 91 Resp: 30229

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.7	56.5#

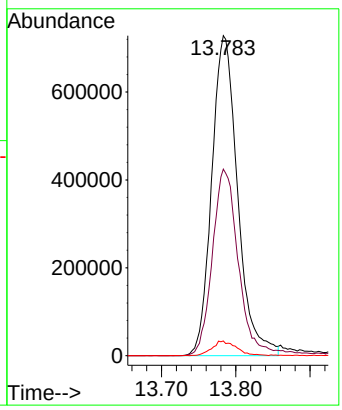




#68
1-Bromo-4-Fluorobenzene
Concen: 10.207 ppbv
RT: 13.783 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL040830.D
Acq: 9 Nov 2023 10:38

Tgt Ion: 95 Resp: 176649

Ion	Ratio	Lower	Upper
95	100		
174	59.7	54.7	82.1
175	4.5	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
NT-IA-2DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023