Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037789.D
Acq On : 6 Oct 2021 1:08
Operator : SY/AP
Sample : M4012-14DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

Manual Integrations APPROVED
MMDadoda
10/11/2021 7:36:41 PM

Quant Time: Oct 06 06:31:13 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 0
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1235426	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3636089	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3091614	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2130658	9.86	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.60%			
Target Compounds						Qvalue
9) Propene	3.01	41	16052m	0.184	ppbv	
13) Ethanol	3.59	45	299037	41.865	ppbv	85
15) Acetone	3.83	43	268423	2.420	ppbv	96
19) Isopropyl Alcohol	3.95	45	73631	1.067	ppbv #	86
20) Methylene Chloride	4.32	84	32449	0.579	ppbv	88
26) Hexane	5.66	57	22477m	0.147	ppbv	
34) 2-Butanone	5.24	43	27721m	0.189	ppbv	
52) Tetrachloroethene	11.19	164	37150m	0.307	ppbv	
53) Toluene	9.78	91	103483m	0.301	ppbv	
59) m/p-Xylene	12.95	91	38765m	0.109	ppbv	

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

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MSVOA_L
ClientSampleId :
C0P25DL

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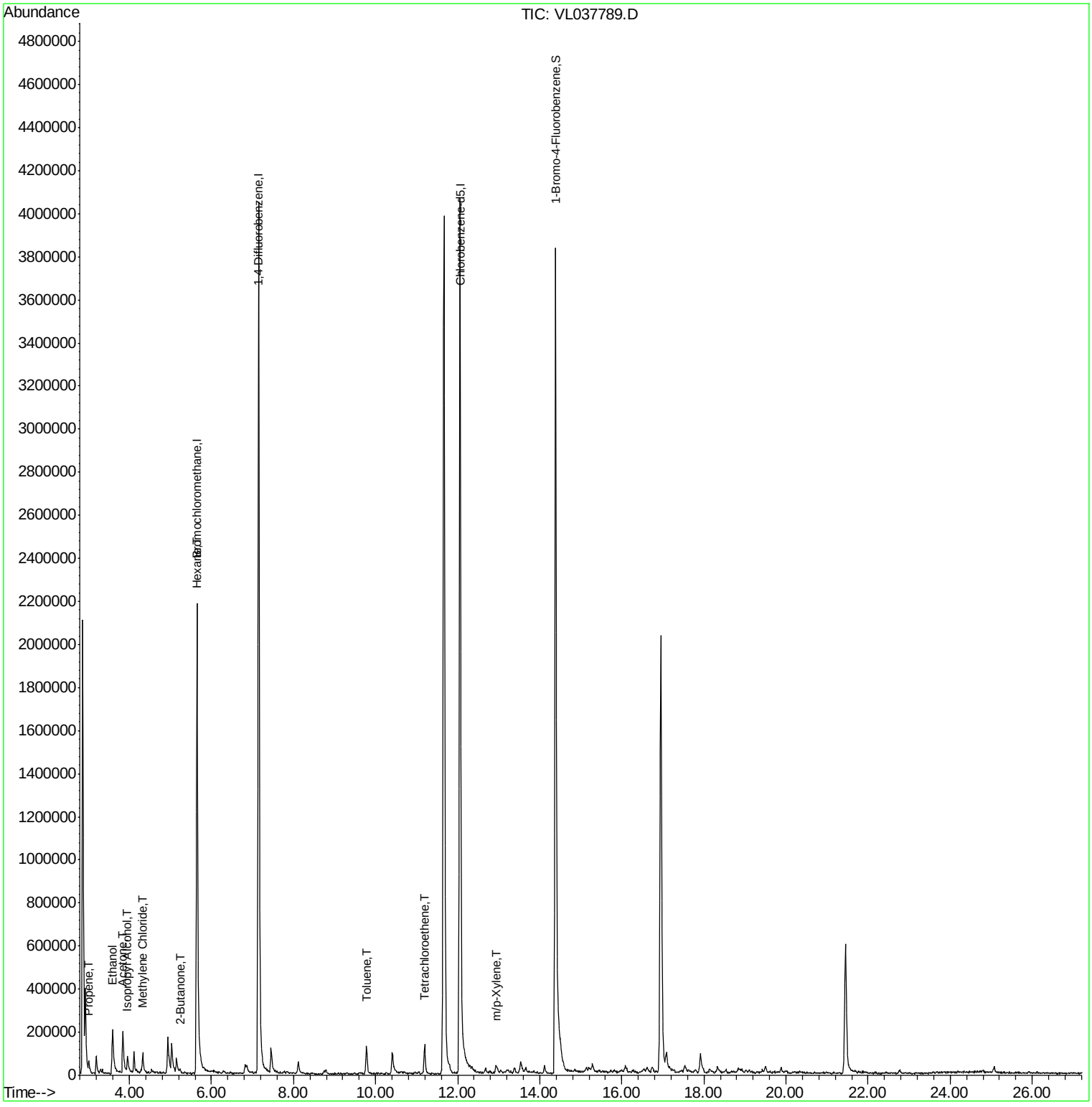
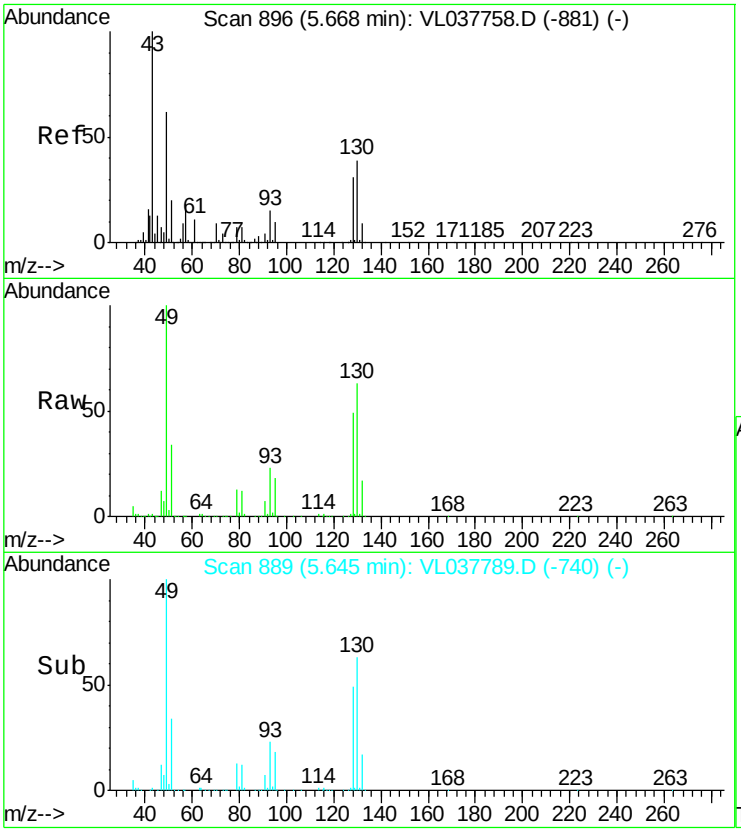
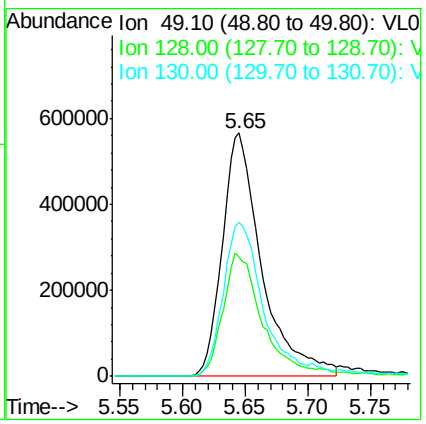




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 49 Resp: 1235426

Ion	Ratio	Lower	Upper
49	100		
128	53.1	27.1	81.3
130	68.9	33.2	99.6



Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

Manual Integrations APPROVED
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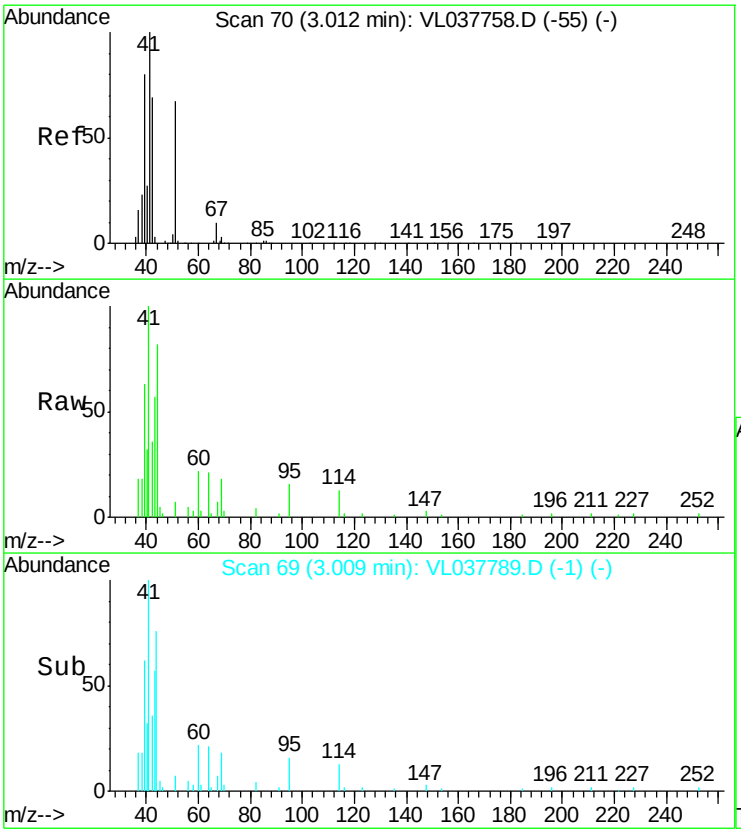
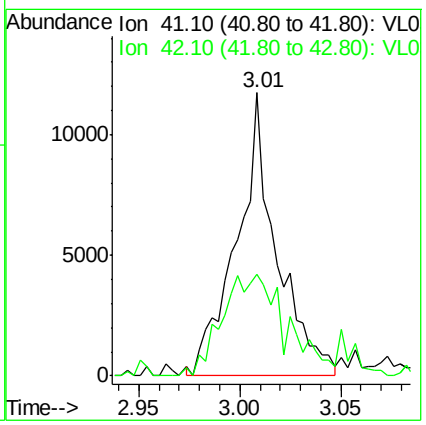
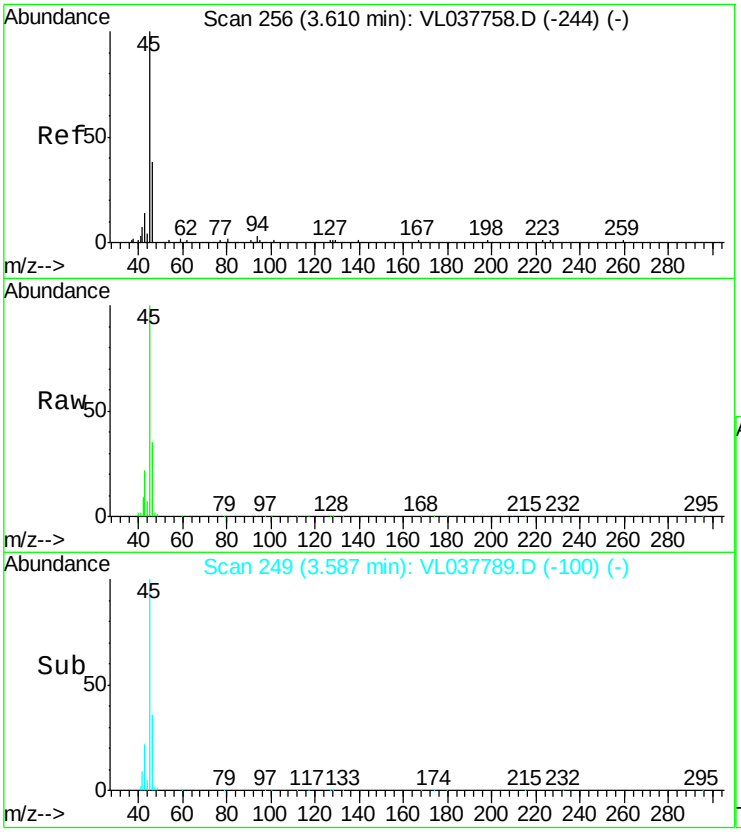


#9
Propene
Concen: 0.184 ppbv m
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 41 Resp: 16052

Ion	Ratio	Lower	Upper
41	100		
42	56.7	54.2	81.2

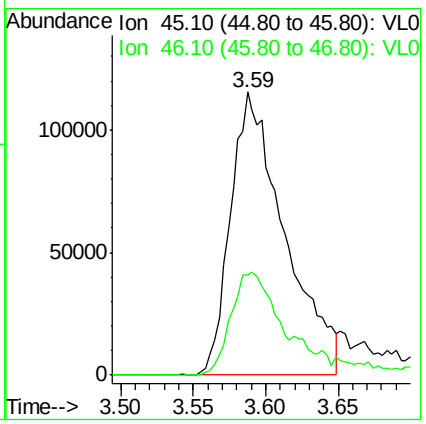




#13
Ethanol
Concen: 41.865 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 45 Resp: 299037

Ion	Ratio	Lower	Upper
45	100		
46	40.5	20.2	81.0



Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

Manual Integrations APPROVED
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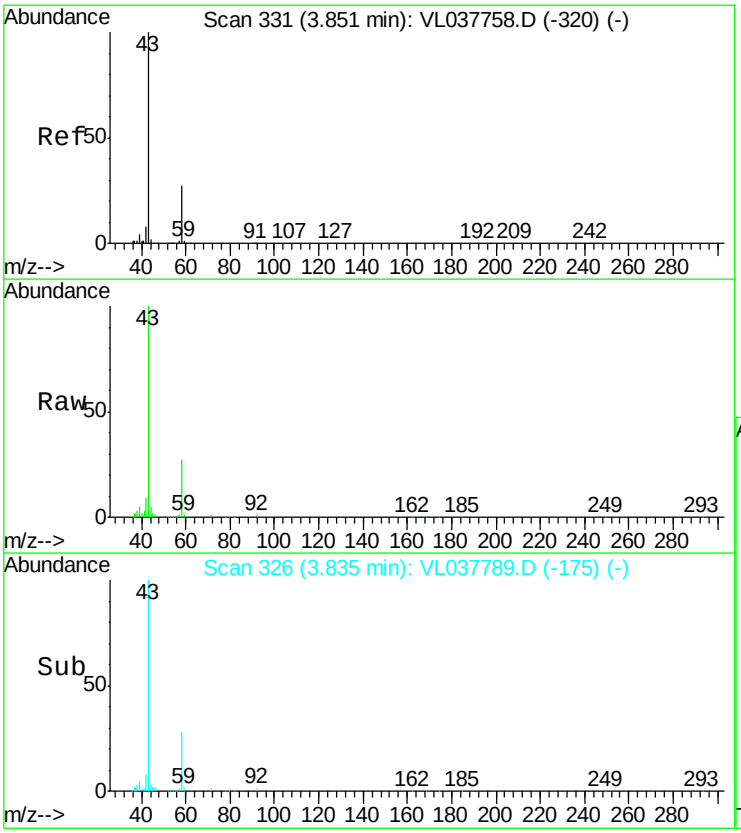
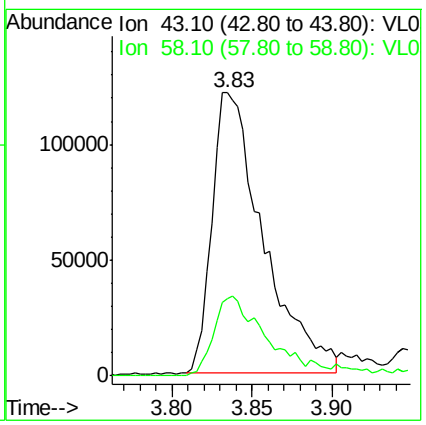
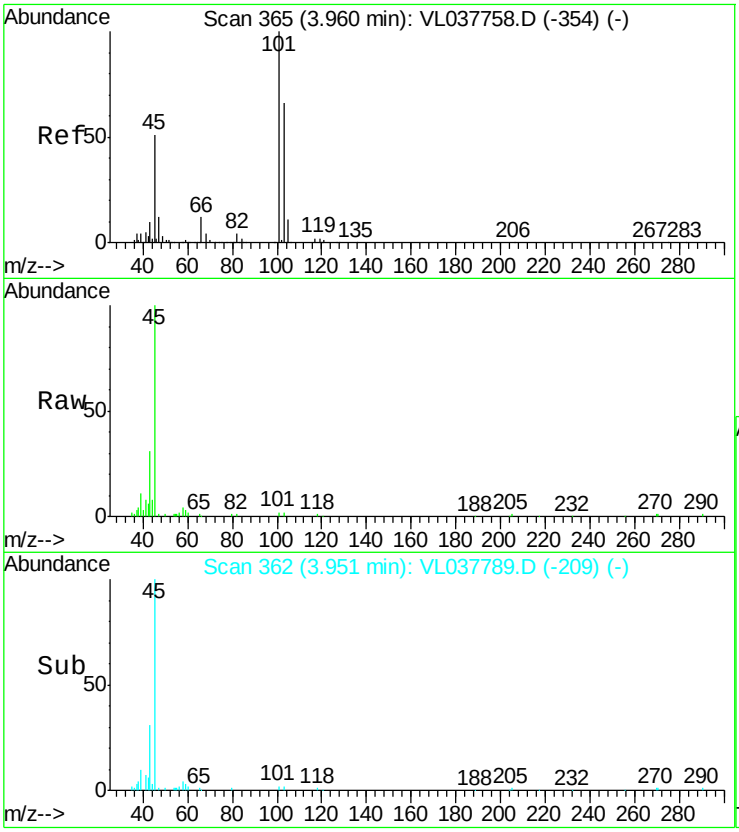


#15
Acetone
Concen: 2.420 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 43 Resp: 268423

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.0	34.6





#19
Isopropyl Alcohol
Concen: 1.067 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 45 Resp: 73631

Ion	Ratio	Lower	Upper
45	100		
58	6.9	1.1	1.7#

Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

Manual Integrations APPROVED
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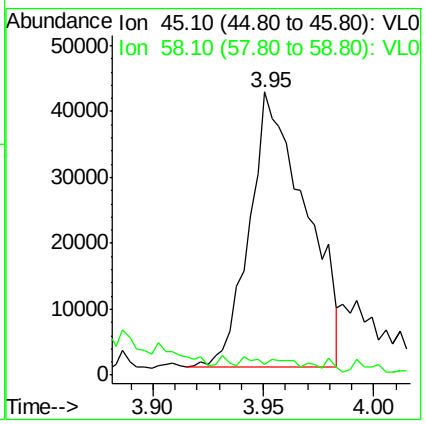
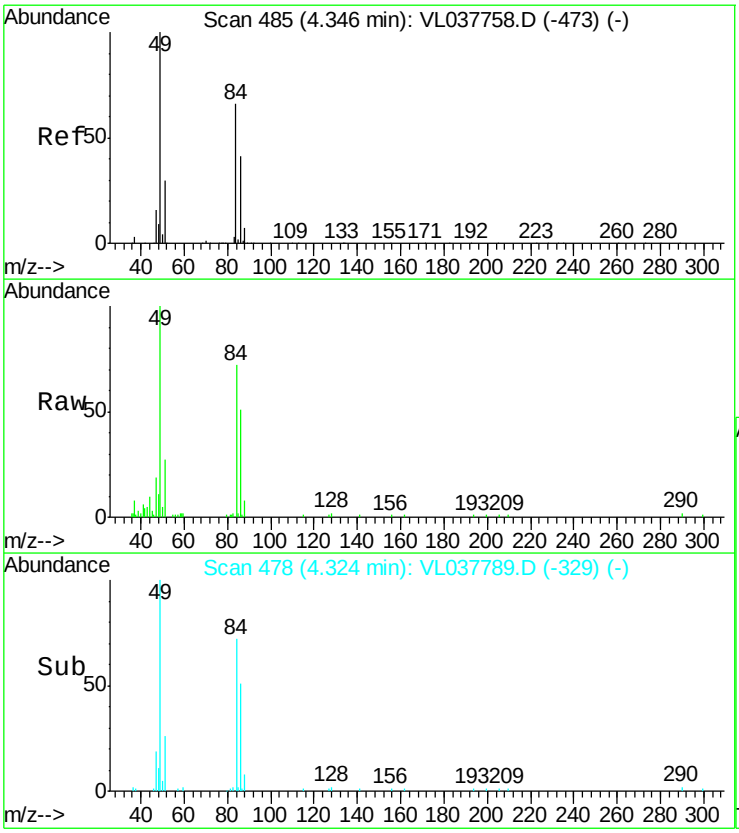
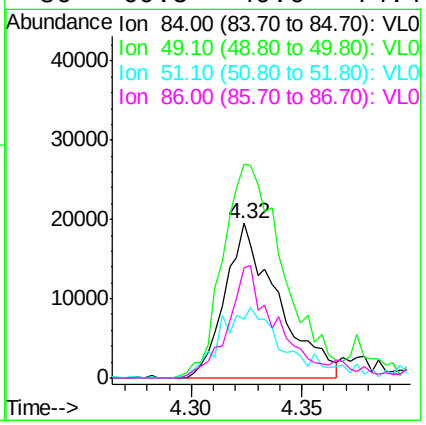


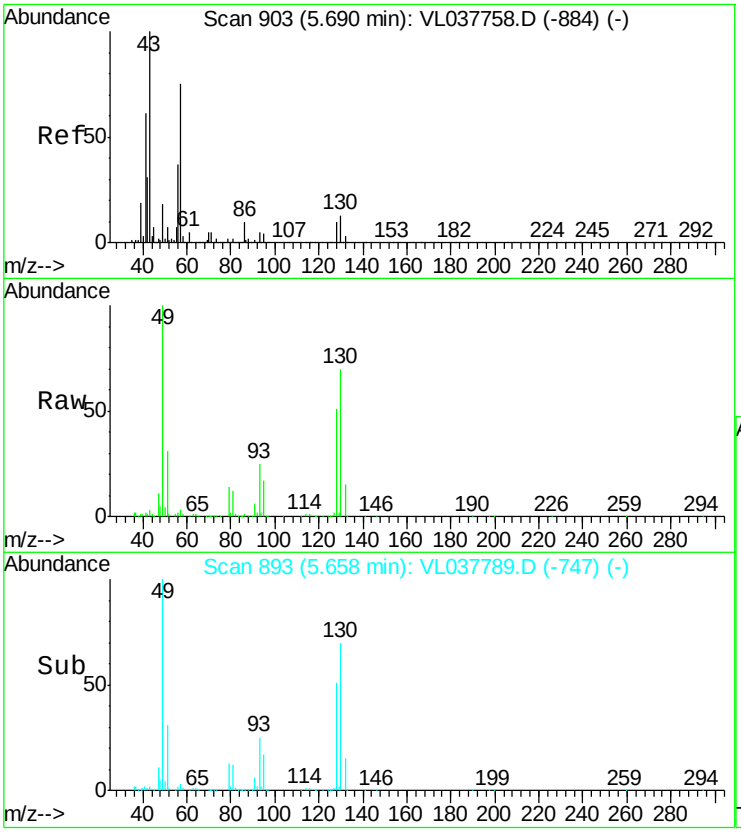


#20
Methylene Chloride
Concen: 0.579 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 84 Resp: 32449

Ion	Ratio	Lower	Upper
84	100		
49	135.1	120.7	181.1
51	36.4	36.2	54.4
86	69.5	49.6	74.4

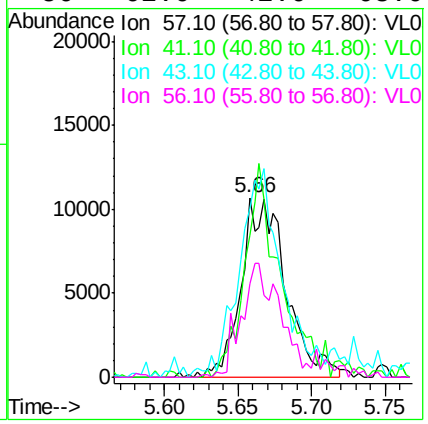




#26
Hexane
Concen: 0.147 ppbv m
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 57 Resp: 22477

Ion	Ratio	Lower	Upper
57	100		
41	99.1	69.6	104.4
43	115.6	171.4	257.0#
56	62.0	42.0	63.0



Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

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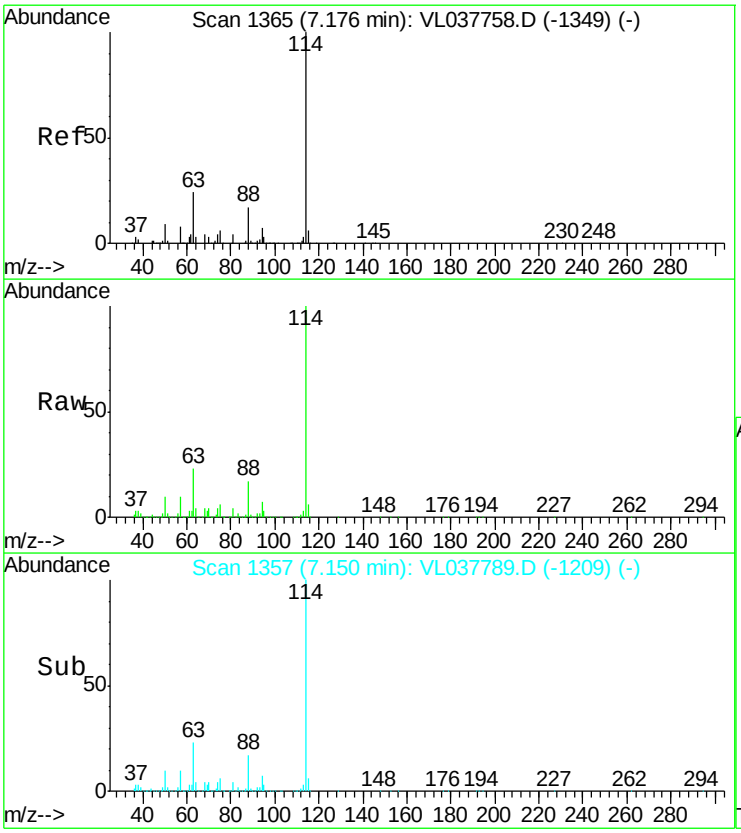
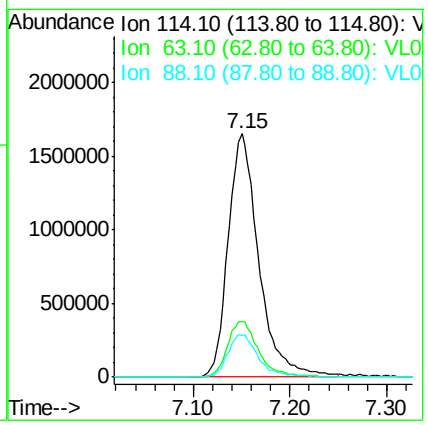
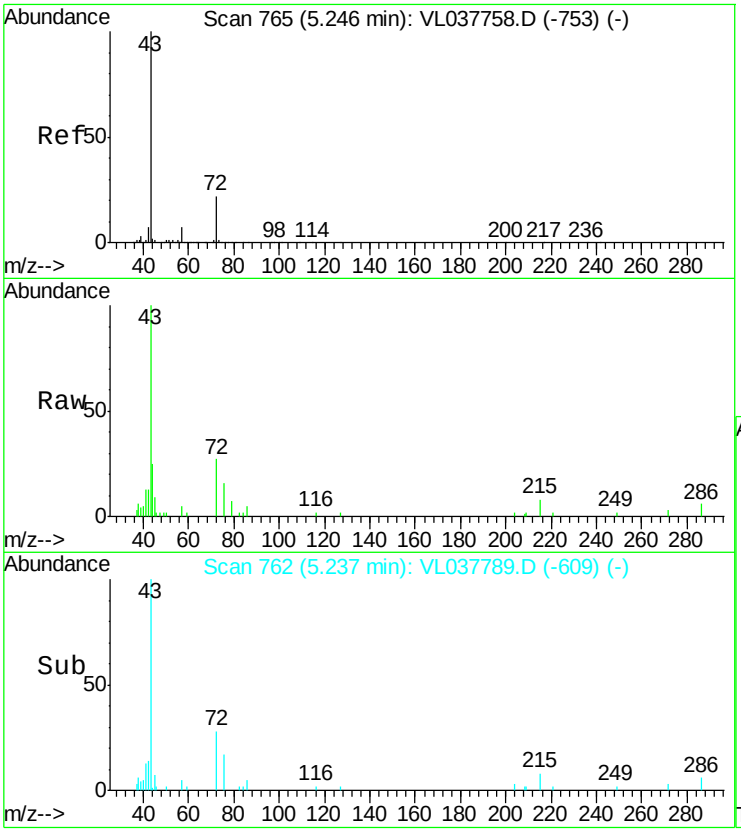


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion:114 Resp: 3636089

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.2
88	17.8	14.4	21.6





#34
2-Butanone
Concen: 0.189 ppbv m
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 43 Resp: 27721

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#

Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

Manual Integrations APPROVED
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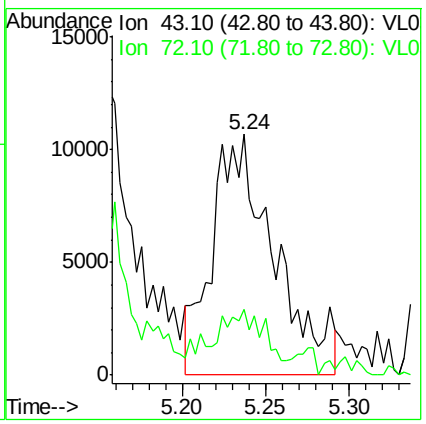
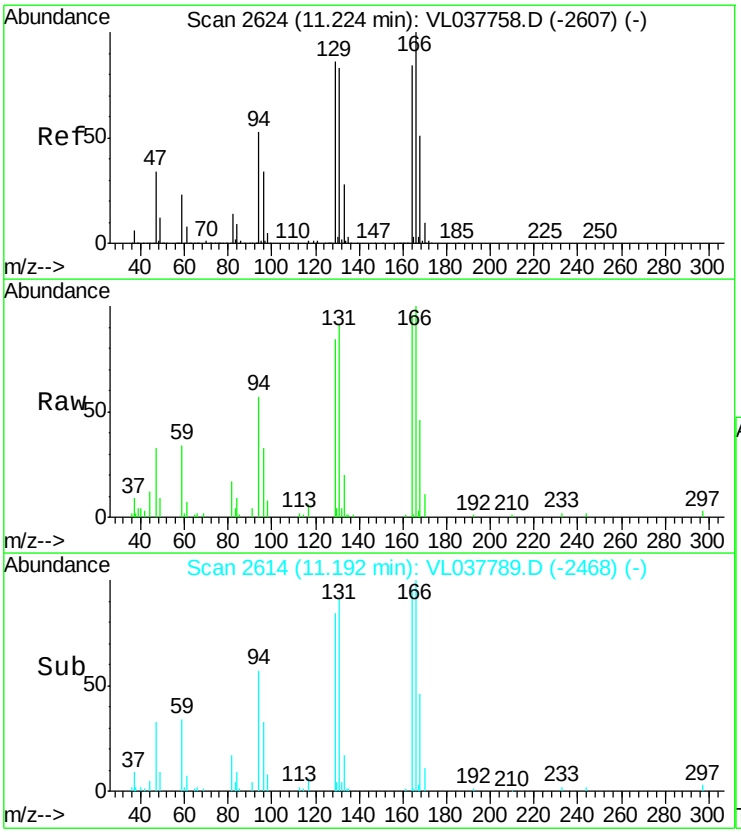
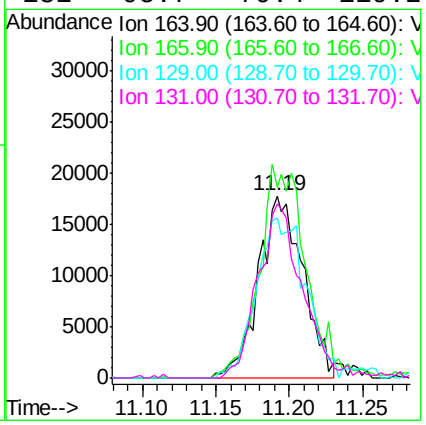


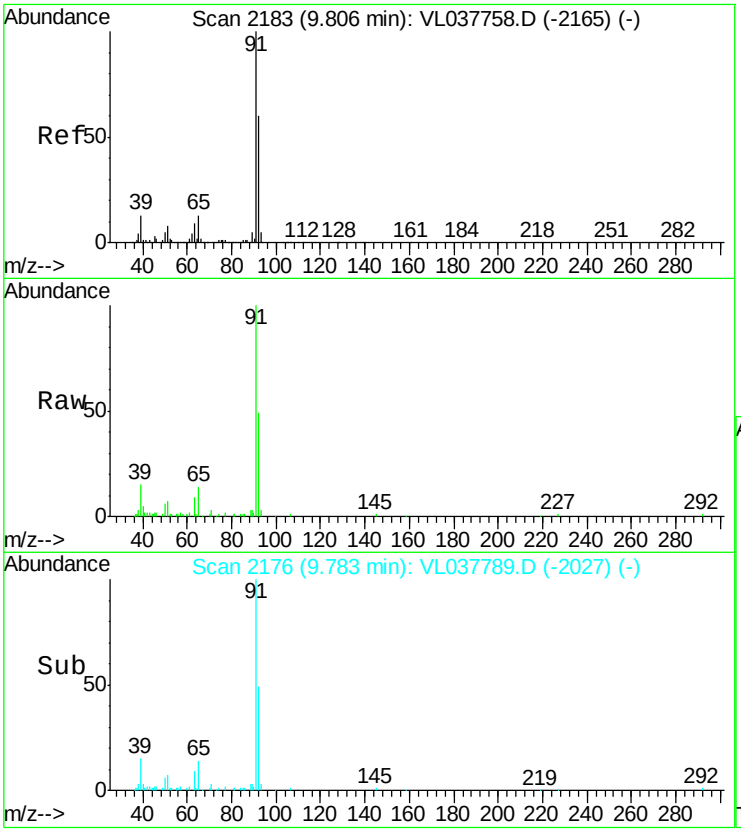


#52
Tetrachloroethene
Concen: 0.307 ppbv m
RT: 11.19 min Scan# 2614
Delta R.T. -0.03 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion:164 Resp: 37150

Ion	Ratio	Lower	Upper
164	100		
166	104.6	95.4	143.2
129	87.9	82.2	123.4
131	95.7	79.4	119.2





#53
Toluene
Concen: 0.301 ppbv m
RT: 9.78 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 91 Resp: 103483

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

Instrument :
MSVOA_L
ClientSampleId :
C0P25DL

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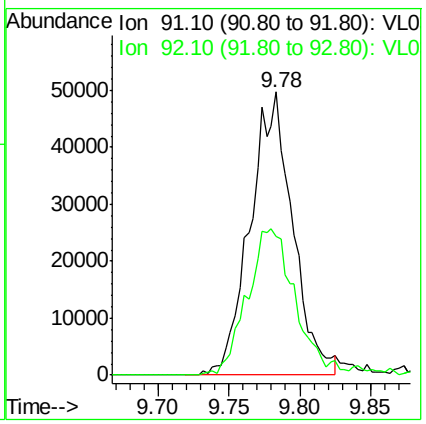
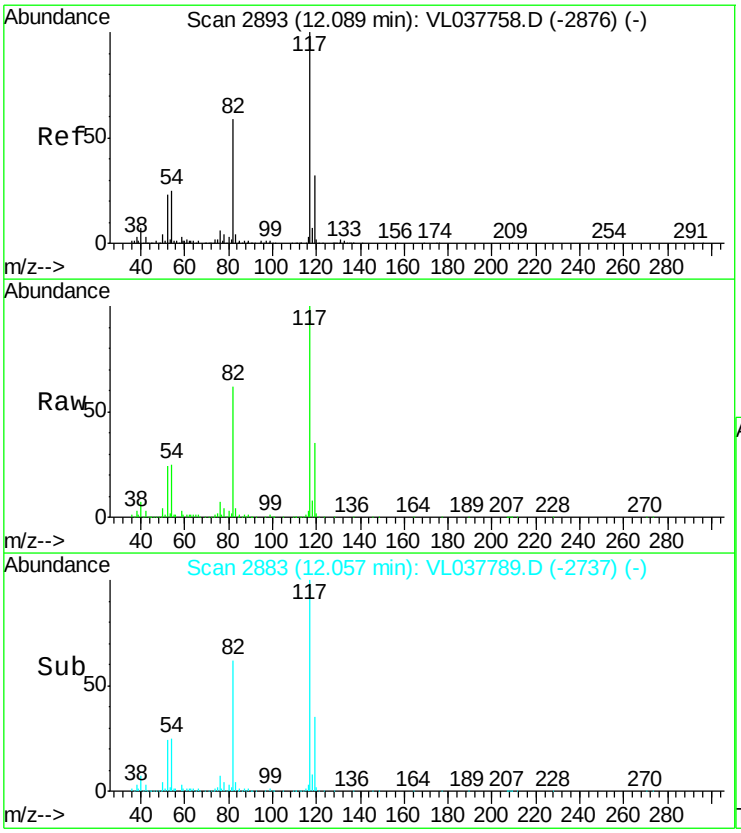
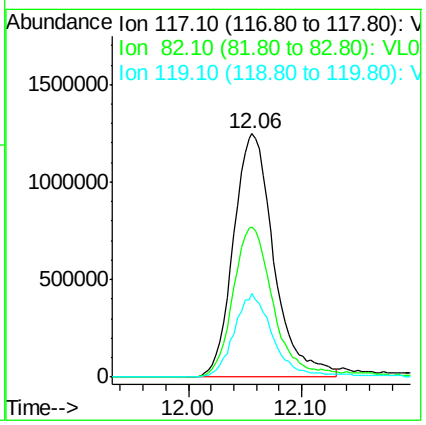


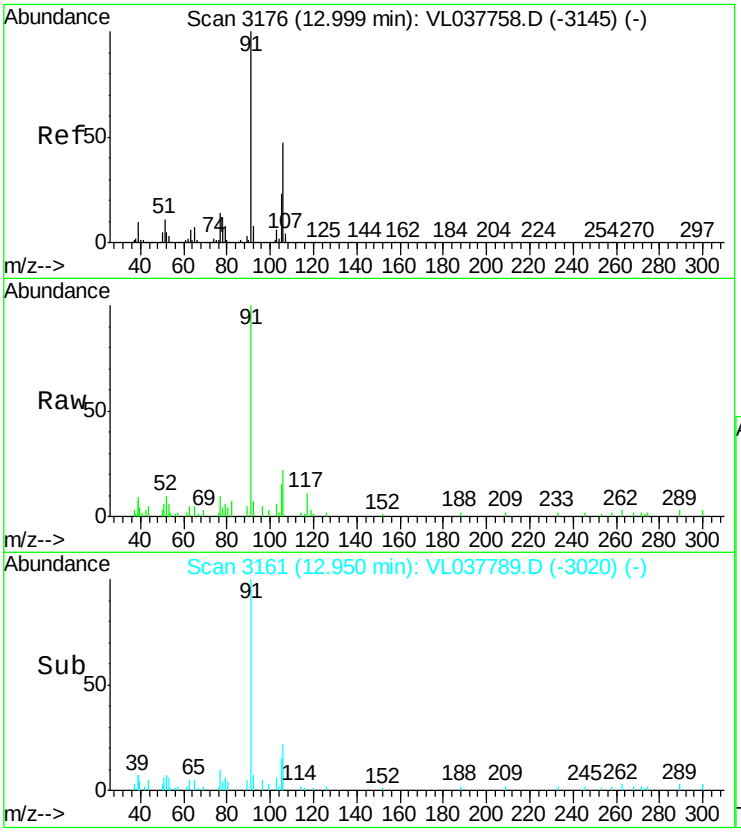


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.03 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion:117 Resp: 3091614

Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.2	78.2
119	34.0	26.0	39.0





#59
m/p-Xylene
Concen: 0.109 ppbv m
RT: 12.95 min Scan# 3161
Delta R.T. -0.05 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 91 Resp: 38765

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.7	55.1#

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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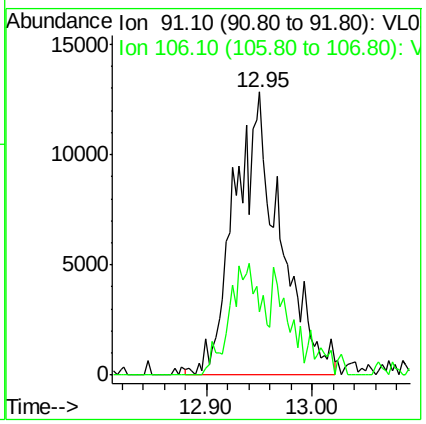

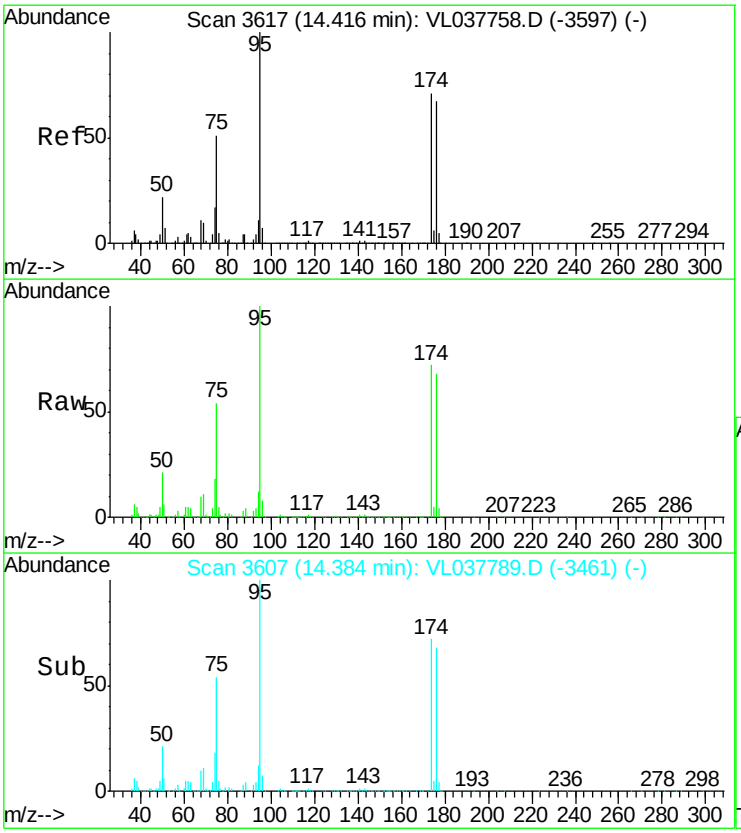

#68
1-Bromo-4-Fluorobenzene
Concen: 9.855 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.03 min
Lab File: VL037789.D
Acq: 6 Oct 2021 1:08

Tgt Ion: 95 Resp: 2130658

Ion	Ratio	Lower	Upper
95	100		
174	75.8	57.8	86.6
175	5.5	4.7	7.1