Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030320\
Data File : VL034764.D
Acq On : 3 Mar 2020 15:10
Operator : SY/AP
Sample : L1704-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-3-4DUP

Manual Integrations APPROVED
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3/4/2020 4:49:06 PM

Quant Time: Mar 04 06:38:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 2
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	894315	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	1860443	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	1768812	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1532543	10.57	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	42498	0.301	ppbv #	85
3) Chlorodifluoromethane	2.96	51	27549m	0.285	ppbv	
4) Chloromethane	3.11	50	46066	0.853	ppbv	99
9) Propene	3.00	41	816022m	20.227	ppbv	
11) Trichlorofluoromethane	3.94	101	33892m	0.274	ppbv	
13) Ethanol	3.59	45	409606	32.139	ppbv	98
15) Acetone	3.83	43	9781398	95.983	ppbv #	69
20) Methylene Chloride	4.34	84	69217	1.826	ppbv	94

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

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Manual Integrations APPROVED
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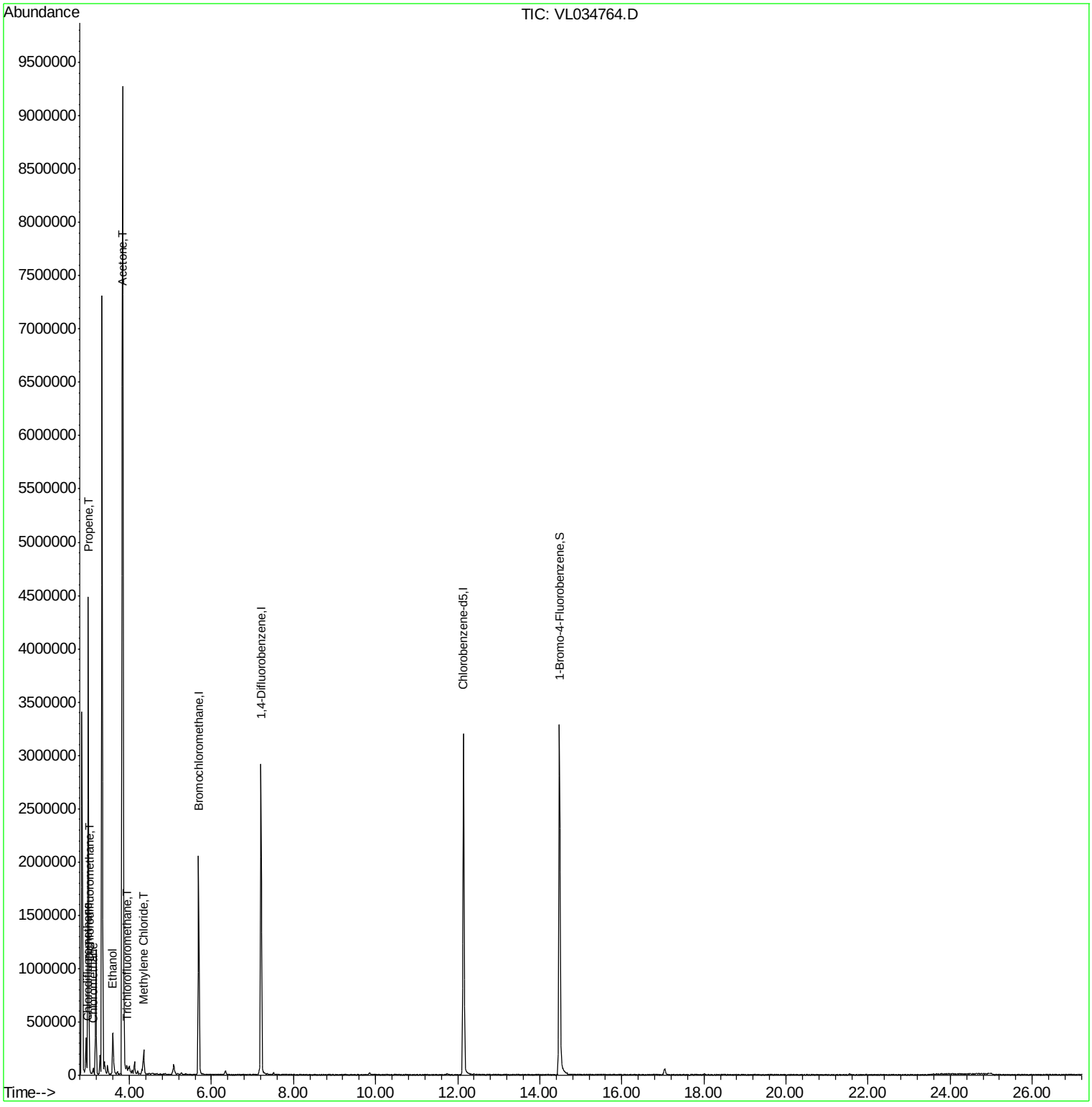
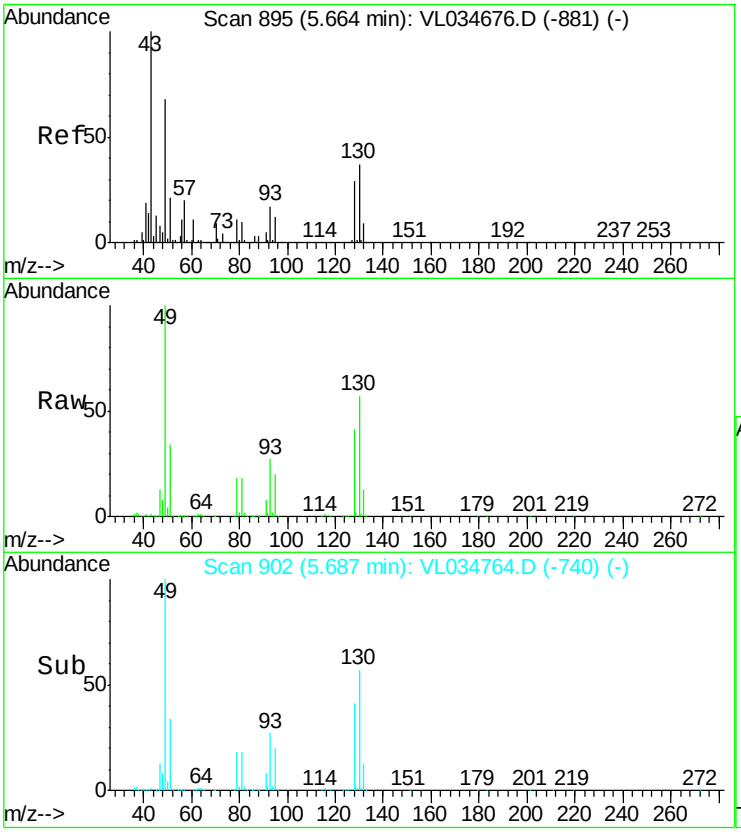
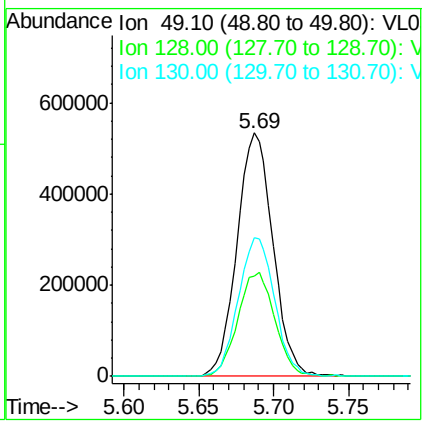




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 49 Resp: 894315

Ion	Ratio	Lower	Upper
49	100		
128	44.3	21.6	65.0
130	57.4	27.7	83.1



Instrument :
MSVOA_L
ClientSampleId :
IA-3-4DUP

Manual Integrations APPROVED
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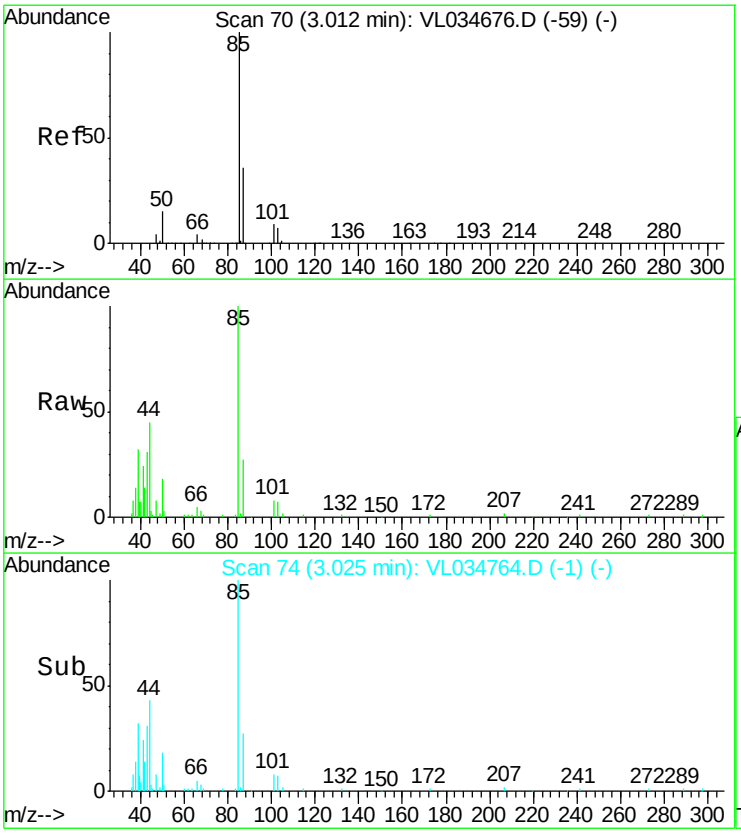
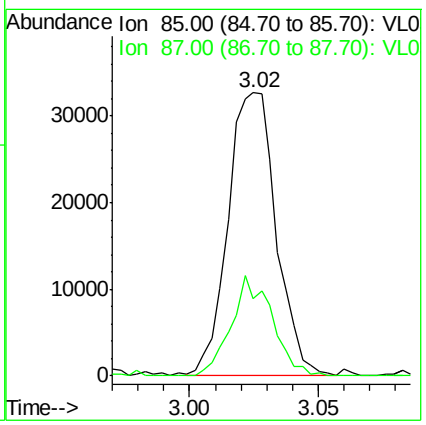
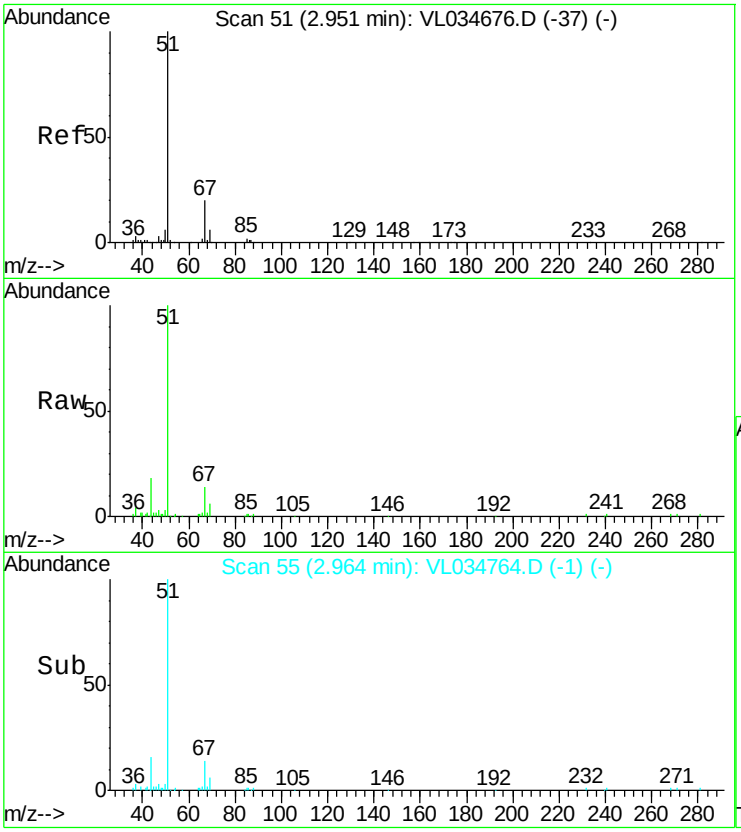


#2
Dichlorodifluoromethane
Concen: 0.301 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 85 Resp: 42498

Ion	Ratio	Lower	Upper
85	100		
87	27.5	29.2	43.8#





#3
Chlorodifluoromethane
Concen: 0.285 ppbv m
RT: 2.96 min Scan# 55
Delta R.T. 0.01 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 51 Resp: 27549

Ion	Ratio	Lower	Upper
51	100		
67	33.8	15.5	23.3#

Instrument :
MSVOA_L
ClientSampleId :
IA-3-4DUP

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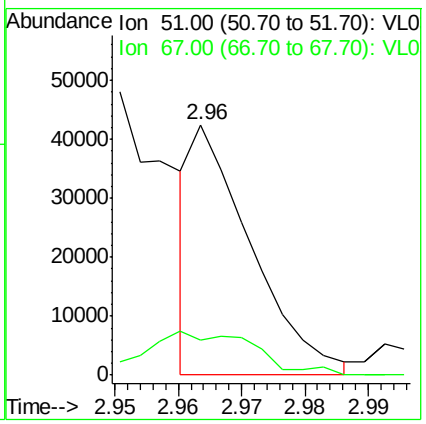
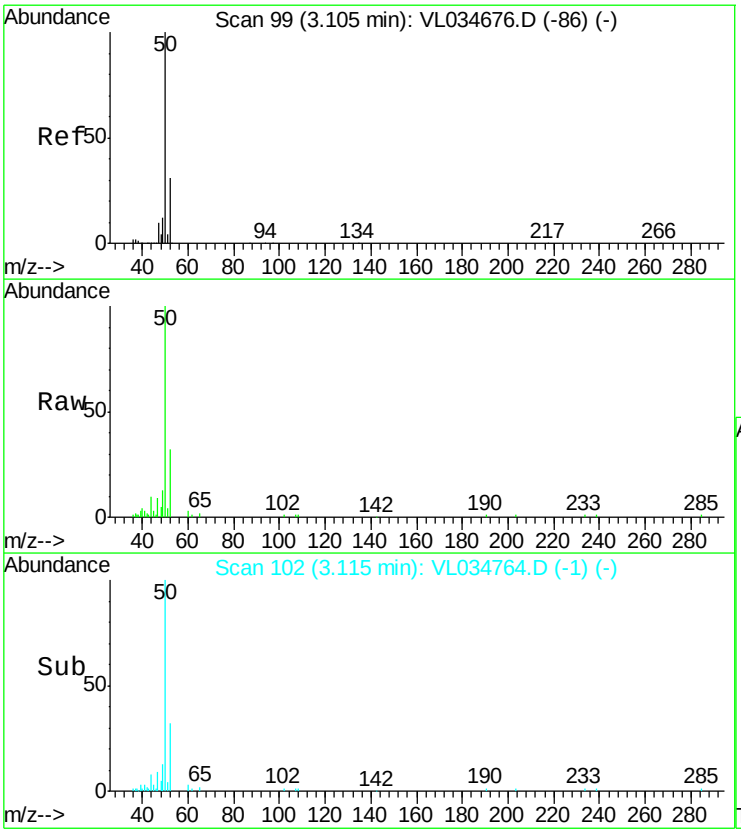
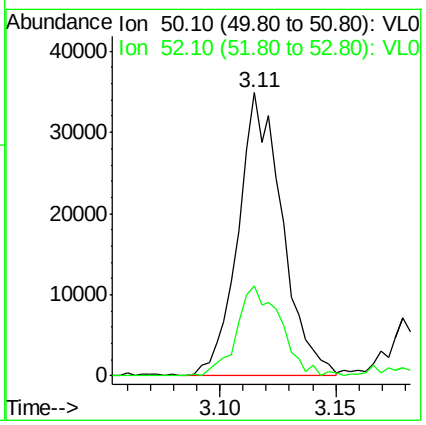


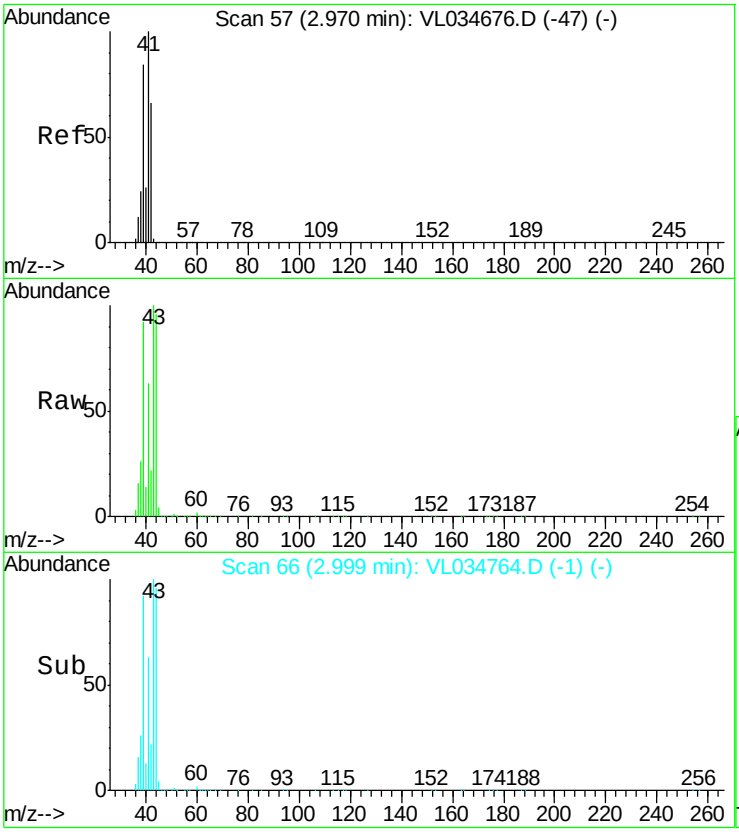


#4
Chloromethane
Concen: 0.853 ppbv
RT: 3.11 min Scan# 102
Delta R.T. 0.01 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 50 Resp: 46066

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

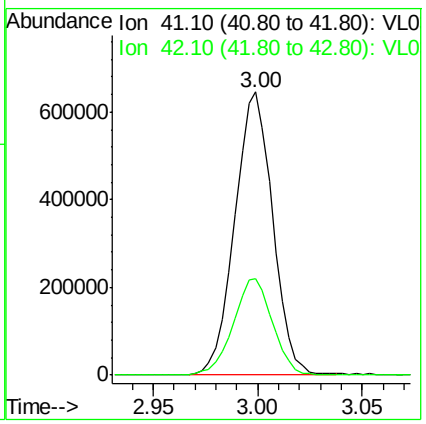




#9
Propene
Concen: 20.227 ppbv m
RT: 3.00 min Scan# 66
Delta R.T. 0.03 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 41 Resp: 816022

Ion	Ratio	Lower	Upper
41	100		
42	25.0	54.9	82.3#



Instrument :
MSVOA_L
ClientSampleId :
IA-3-4DUP

Manual Integrations APPROVED
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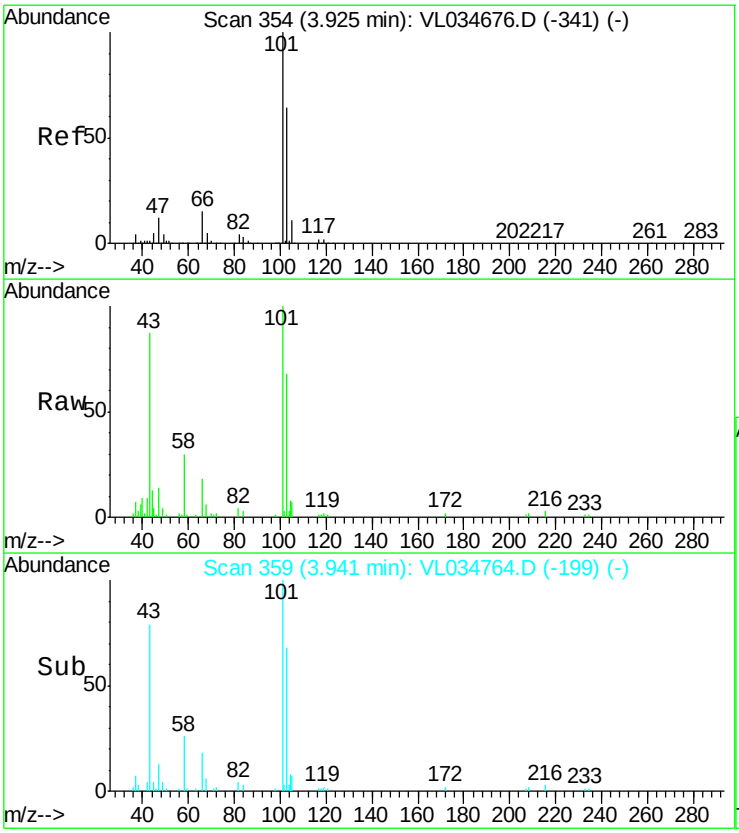
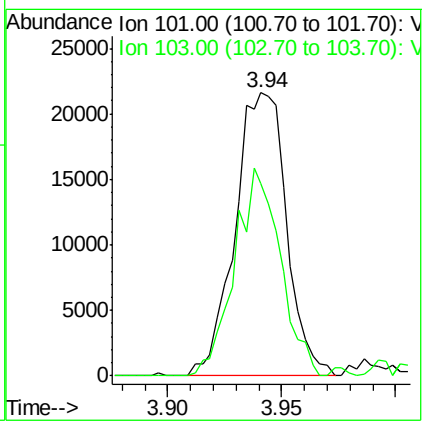
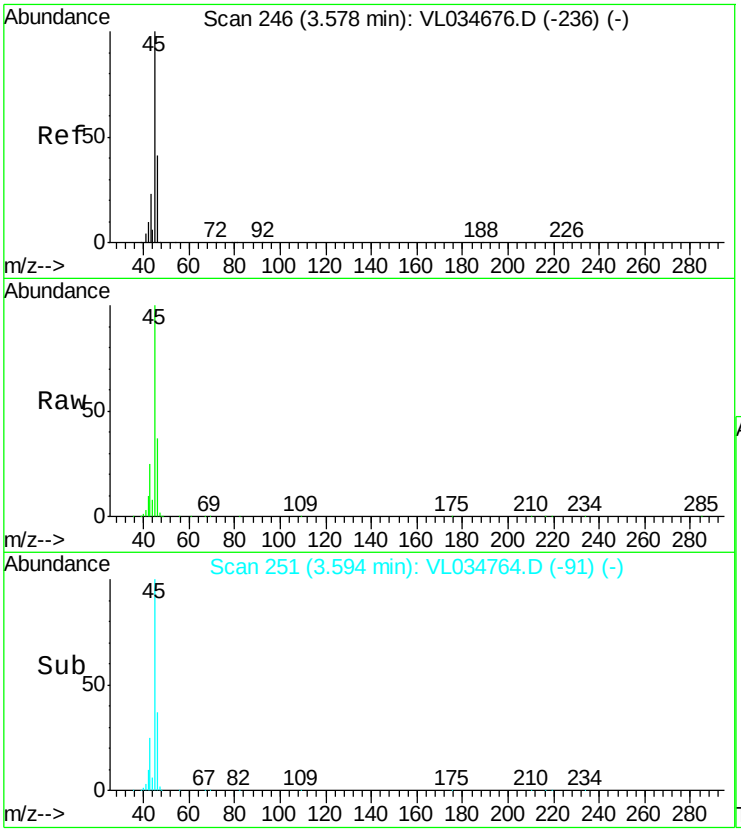


#11
Trichlorofluoromethane
Concen: 0.274 ppbv m
RT: 3.94 min Scan# 359
Delta R.T. 0.02 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion:101 Resp: 33892

Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.2	76.8

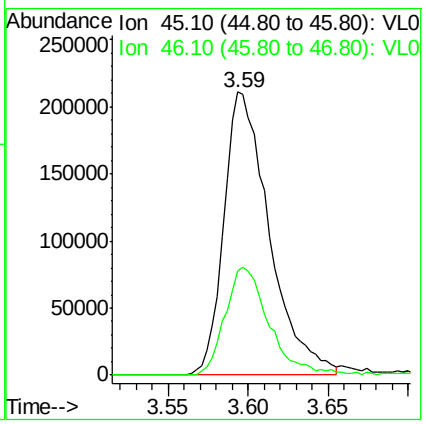




#13
Ethanol
Concen: 32.139 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 45 Resp: 409606

Ion	Ratio	Lower	Upper
45	100		
46	37.4	15.4	61.4



Instrument :
MSVOA_L
ClientSampleId :
IA-3-4DUP

Manual Integrations APPROVED
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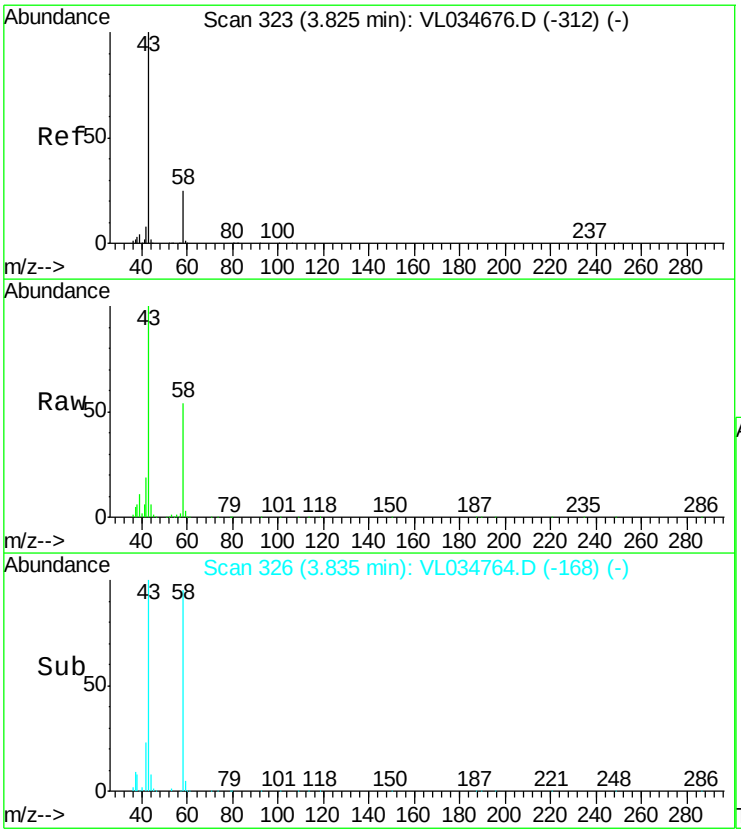
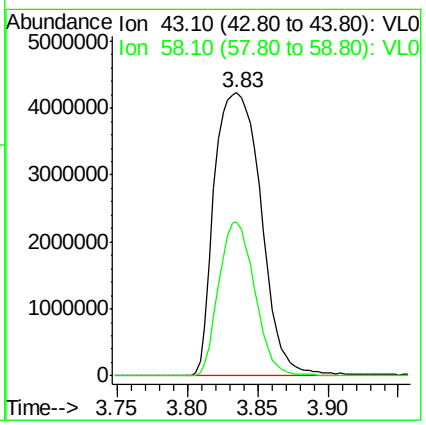
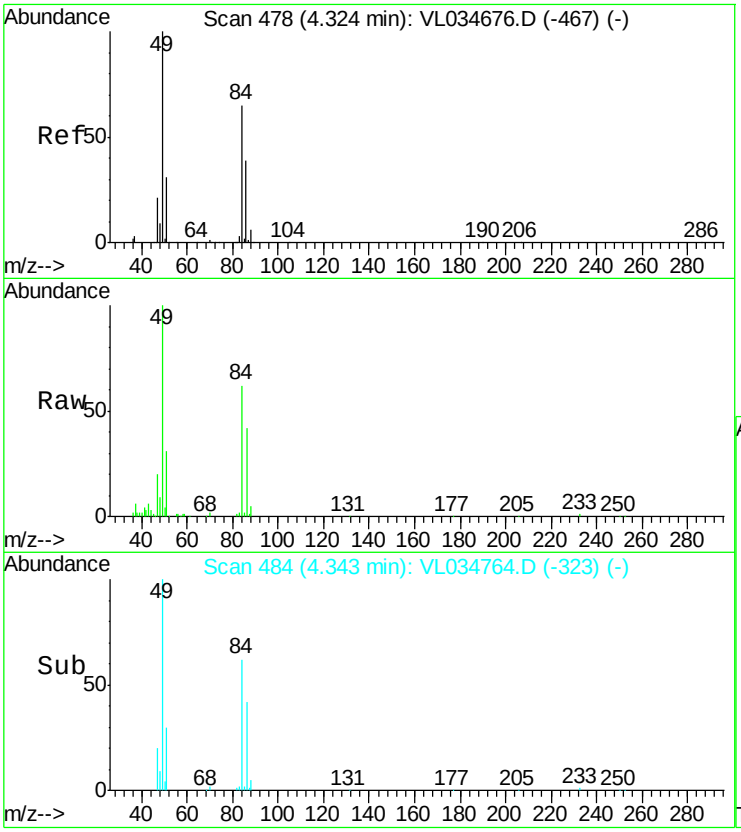


#15
Acetone
Concen: 95.983 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 43 Resp: 9781398

Ion	Ratio	Lower	Upper
43	100		
58	42.5	21.4	32.0#

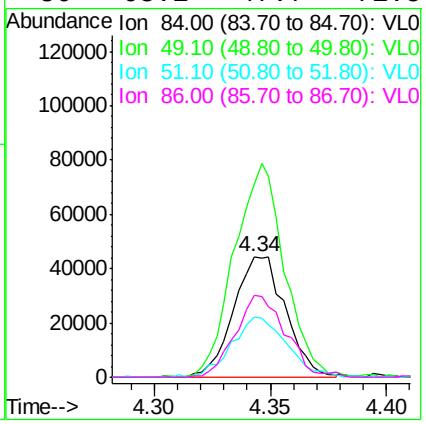




#20
Methylene Chloride
Concen: 1.826 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 84 Resp: 69217

Ion	Ratio	Lower	Upper
84	100		
49	159.7	122.8	184.2
51	48.9	38.6	58.0
86	68.1	47.7	71.5



Instrument :
MSVOA_L
ClientSampleId :
IA-3-4DUP

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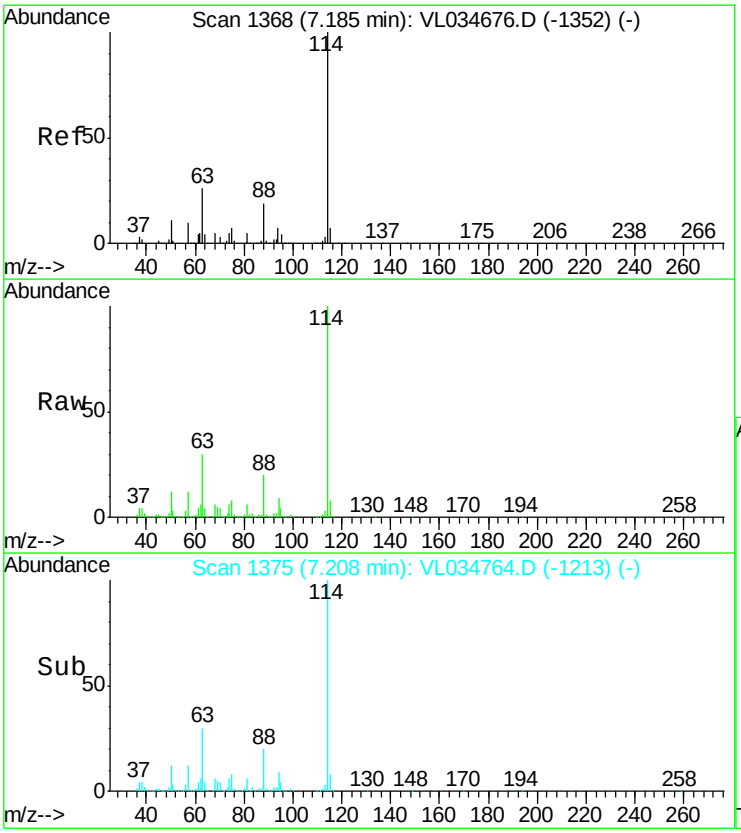
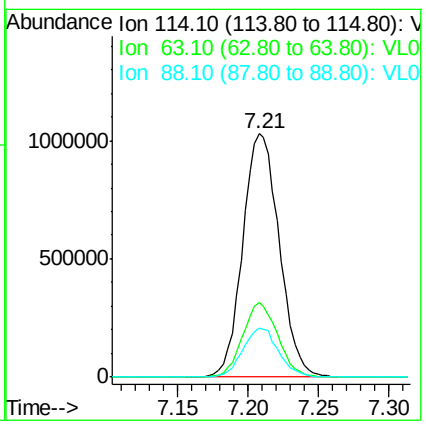
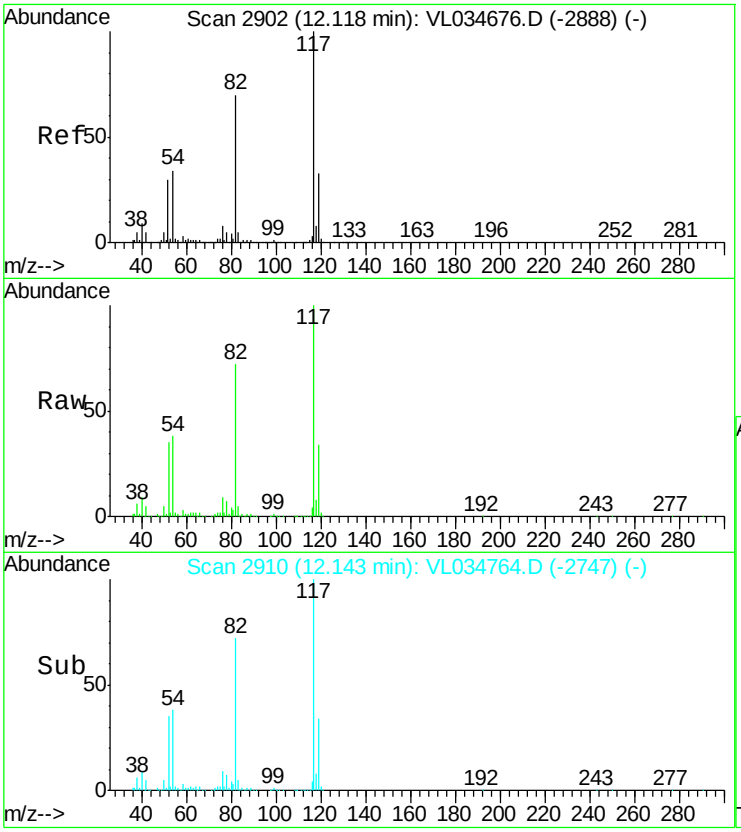


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.02 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion:114 Resp: 1860443

Ion	Ratio	Lower	Upper
114	100		
63	29.7	22.9	34.3
88	19.7	15.8	23.6

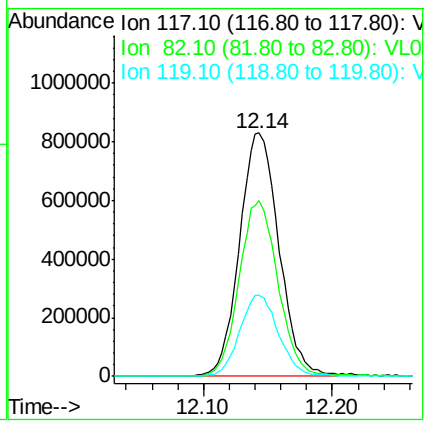




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.03 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion:117 Resp: 1768812

Ion	Ratio	Lower	Upper
117	100		
82	71.5	54.1	81.1
119	33.2	27.6	41.4



Instrument :
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ClientSampleId :
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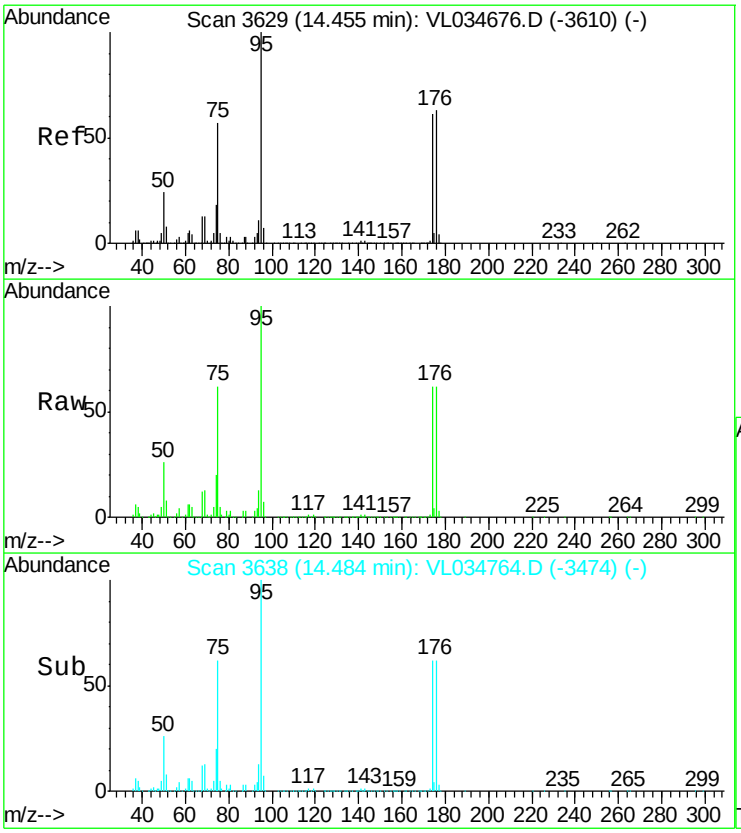

#68
1-Bromo-4-Fluorobenzene
Concen: 10.567 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.03 min
Lab File: VL034764.D
Acq: 3 Mar 2020 15:10

Tgt Ion: 95 Resp: 1532543

Ion	Ratio	Lower	Upper
95	100		
174	65.0	50.7	76.1
175	4.5	3.9	5.9