Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022421\
Data File : VL036374.D
Acq On : 25 Feb 2021 6:45
Operator : SY/AP
Sample : M1463-12DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
MMDadoda
2/26/2021 4:18:15 PM

Quant Time: Feb 26 14:39:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1628121	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3451334	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3177893	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2494119	9.54	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.40%			
Target Compounds						Qvalue
13) Ethanol	3.60	45	499929m	35.289	ppbv	
15) Acetone	3.85	43	271326m	1.363	ppbv	
19) Isopropyl Alcohol	3.97	45	515518m	4.675	ppbv	
20) Methylene Chloride	4.34	84	287626	4.480	ppbv	97
26) Hexane	5.69	57	95910	0.608	ppbv #	41
44) 2,2,4-Trimethylpentane	7.86	57	99497m	0.187	ppbv	
53) Toluene	9.80	91	122699	0.386	ppbv	97
59) m/p-Xylene	12.98	91	63835m	0.167	ppbv	

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

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Manual Integrations APPROVED
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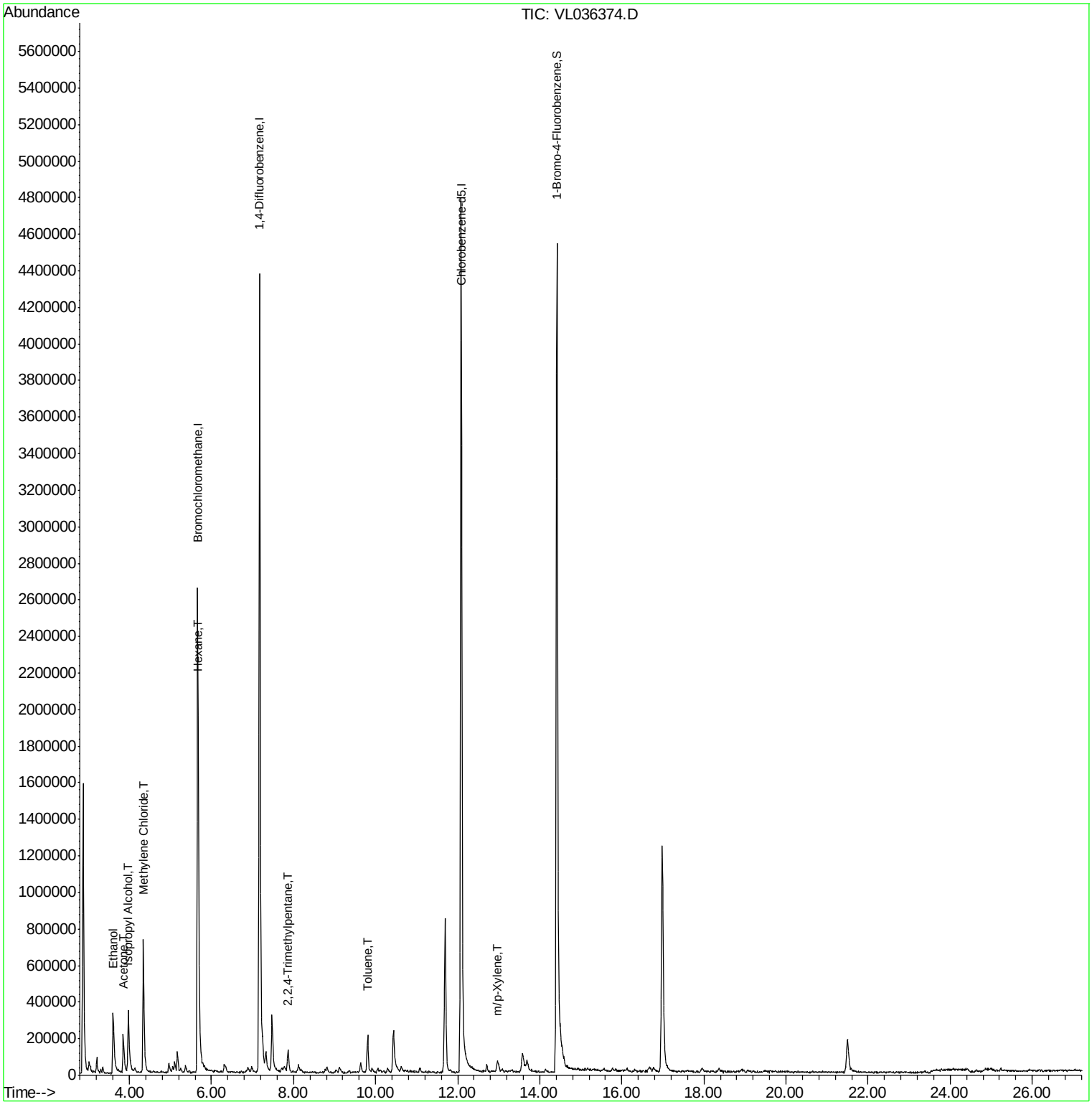
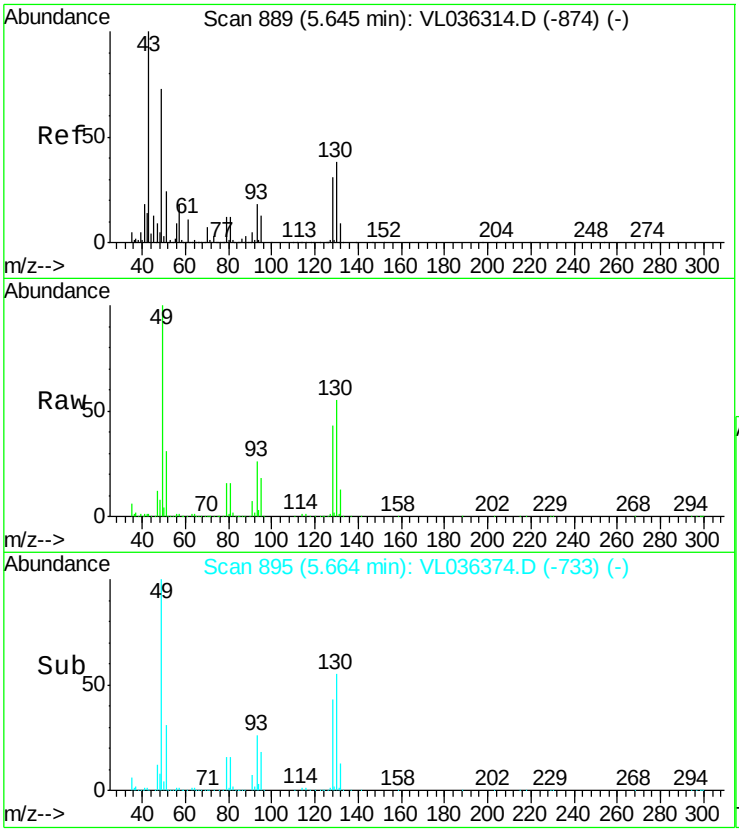
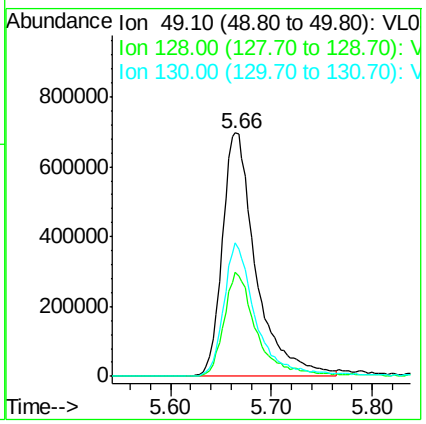




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 49 Resp: 1628121

Ion	Ratio	Lower	Upper
49	100		
128	41.8	20.8	62.5
130	52.9	26.7	80.1



Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
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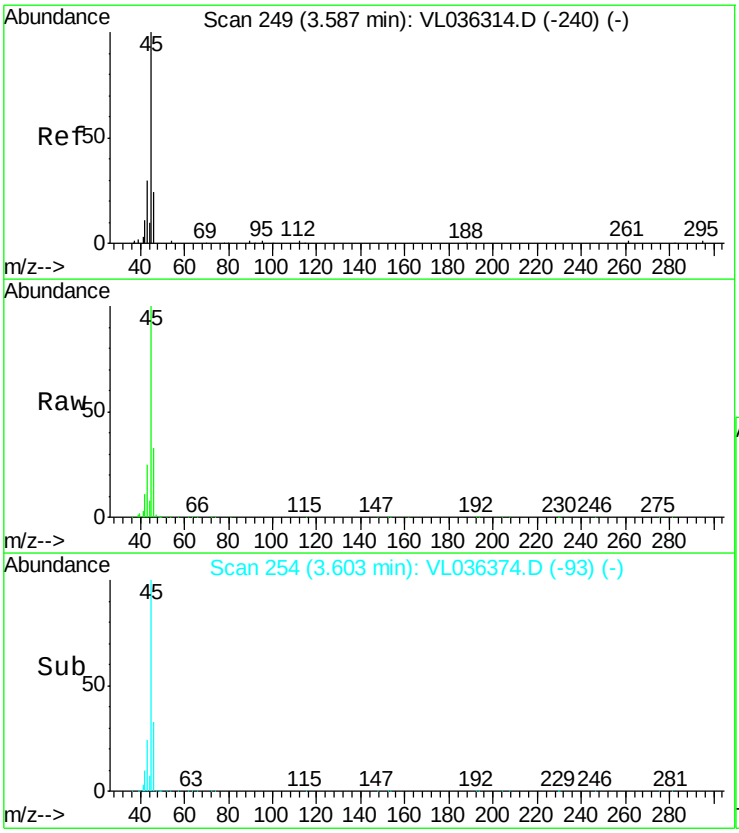
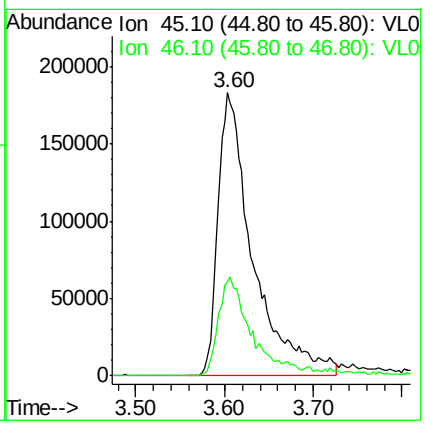
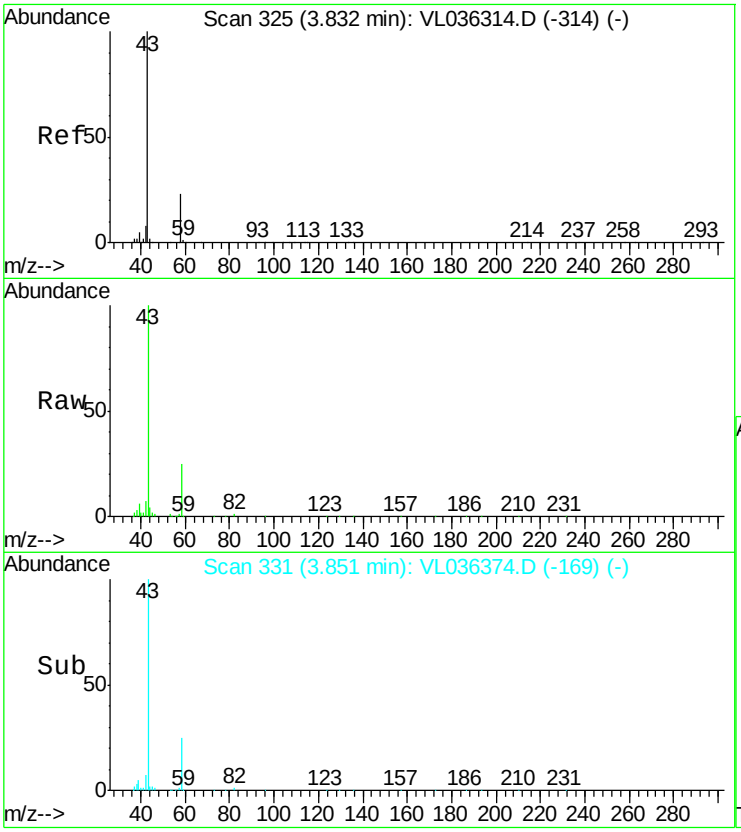


#13
Ethanol
Concen: 35.289 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 45 Resp: 499929

Ion	Ratio	Lower	Upper
45	100		
46	35.5	17.7	70.7

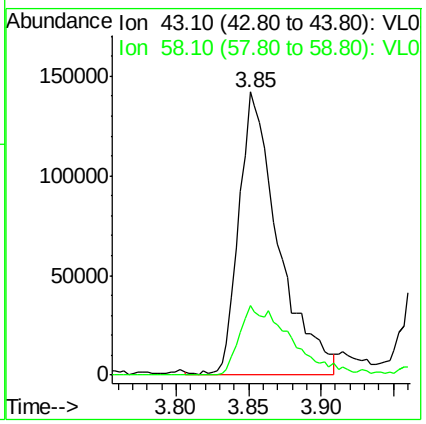




#15
Acetone
Concen: 1.363 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 43 Resp: 271326

Ion	Ratio	Lower	Upper
43	100		
58	32.4	20.3	30.5#



Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
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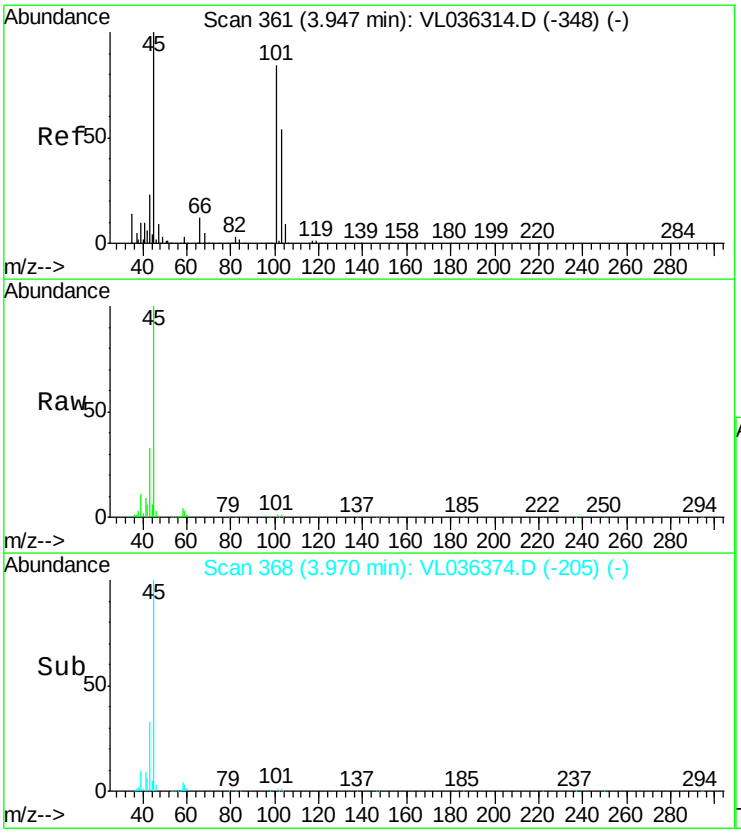
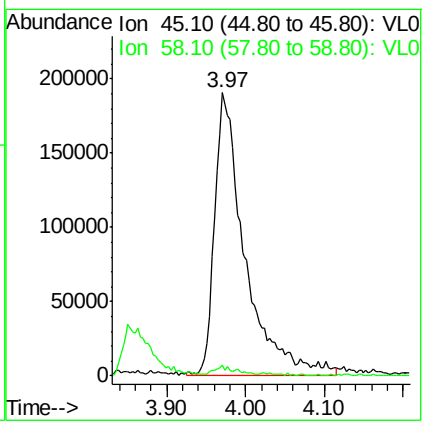
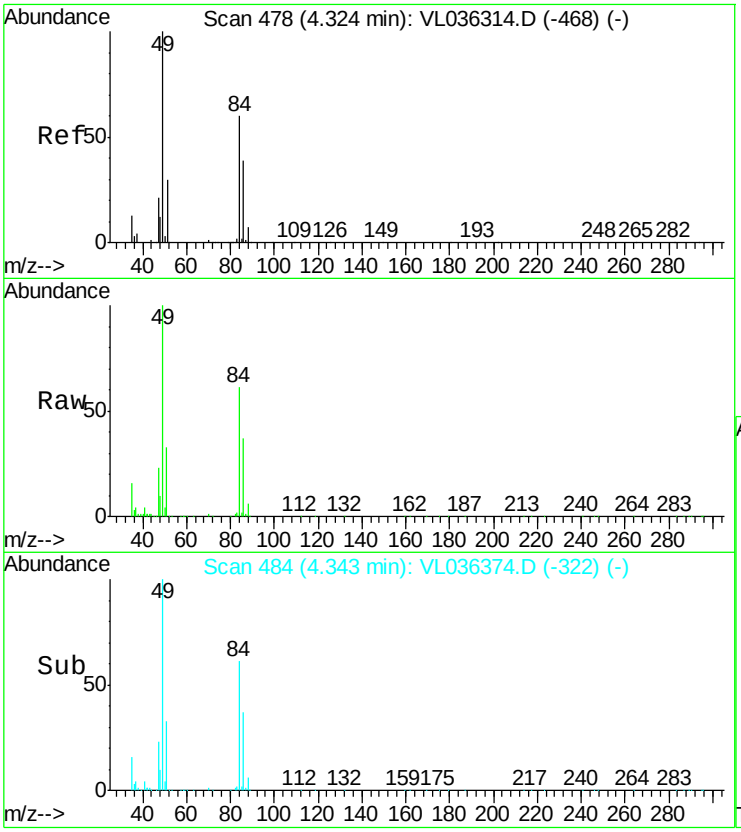


#19
Isopropyl Alcohol
Concen: 4.675 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 45 Resp: 515518

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.9	2.9

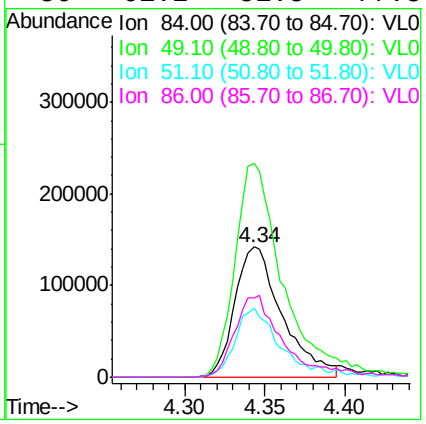




#20
Methylene Chloride
Concen: 4.480 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 84 Resp: 287626

Ion	Ratio	Lower	Upper
84	100		
49	164.3	133.8	200.8
51	53.2	41.4	62.0
86	61.2	51.5	77.3



Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
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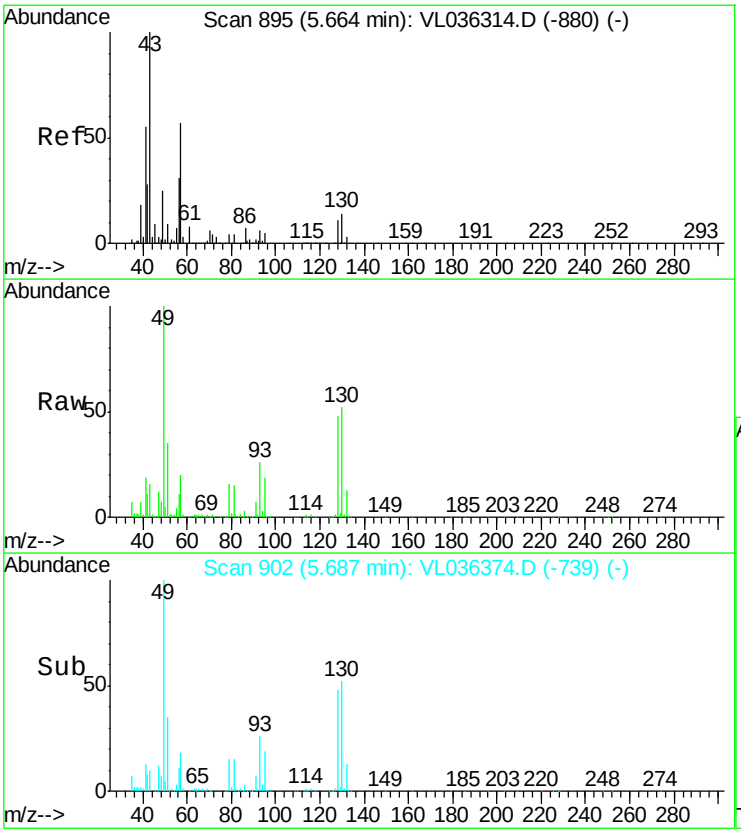
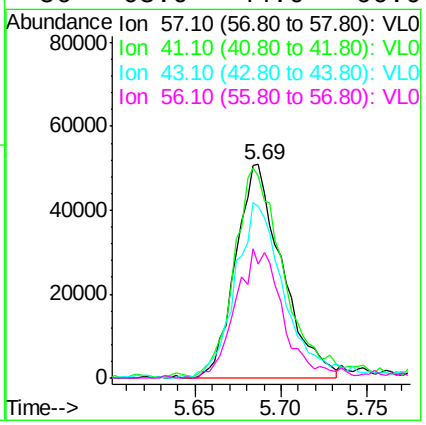
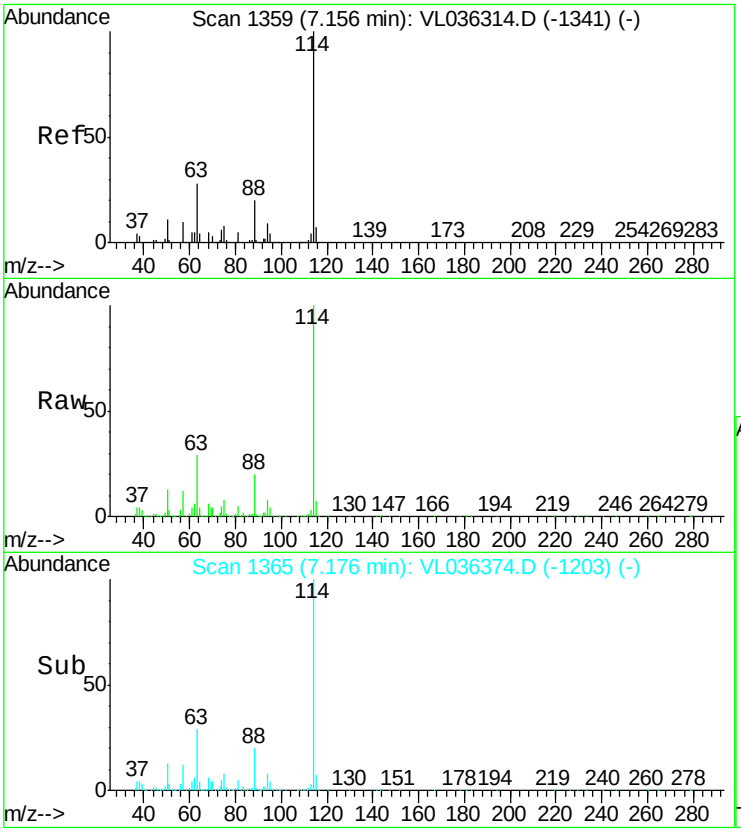


#26
Hexane
Concen: 0.608 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 57 Resp: 95910

Ion	Ratio	Lower	Upper
57	100		
41	109.2	81.7	122.5
43	90.9	199.1	298.7#
56	63.0	44.0	66.0

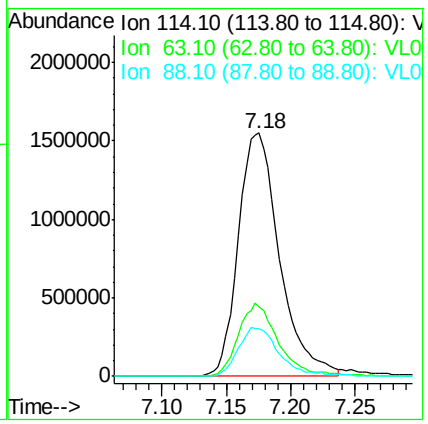




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion:114 Resp: 3451334

Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	20.3	16.0	24.0



Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
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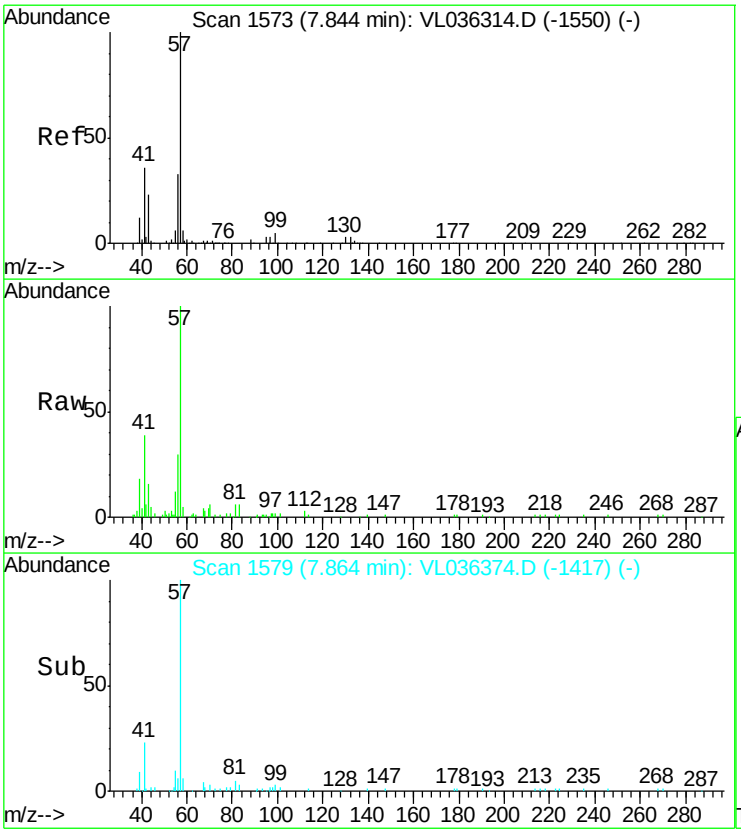
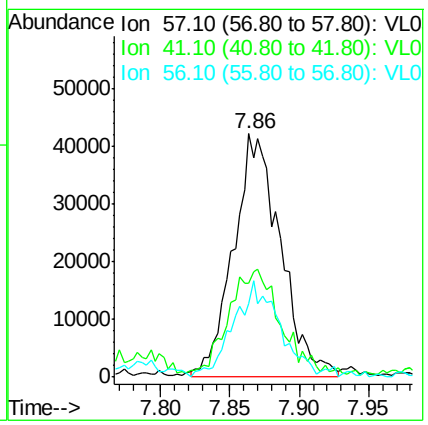
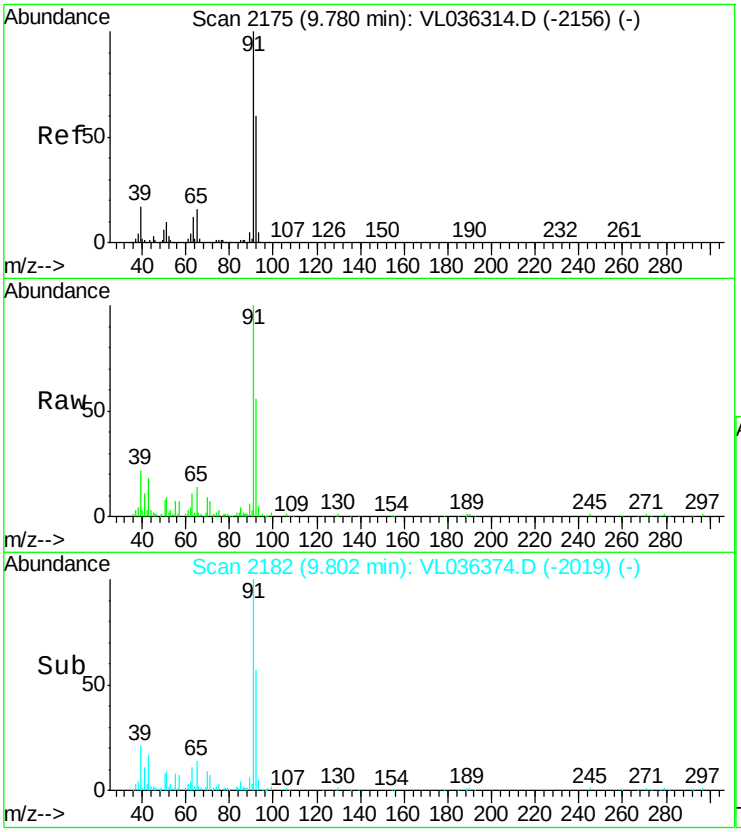


#44
2,2,4-Trimethylpentane
Concen: 0.187 ppbv m
RT: 7.86 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 57 Resp: 99497

Ion	Ratio	Lower	Upper
57	100		
41	49.8	28.8	43.2#
56	40.0	25.8	38.6#





#53
Toluene
Concen: 0.386 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 91 Resp: 122699

Ion	Ratio	Lower	Upper
91	100		
92	63.0	48.6	72.8

Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
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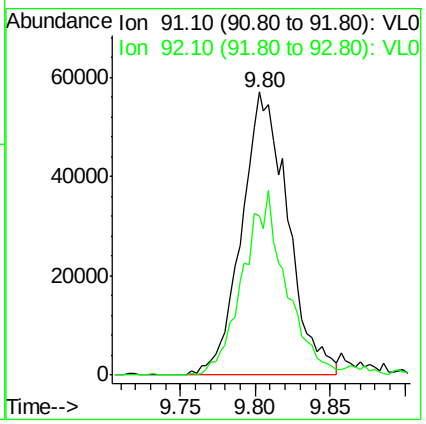
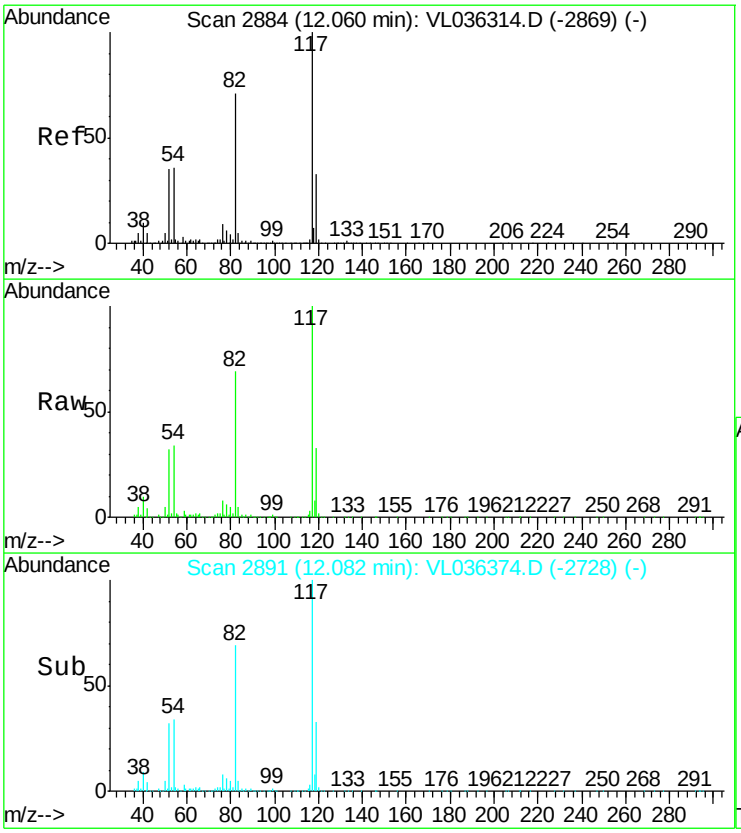
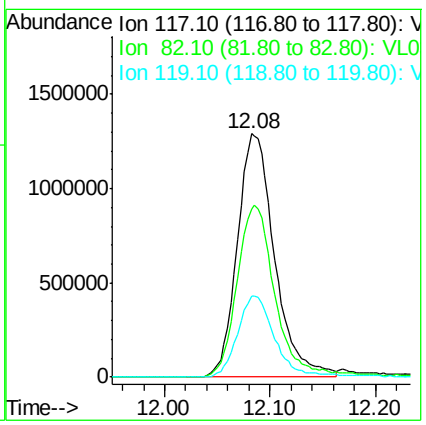


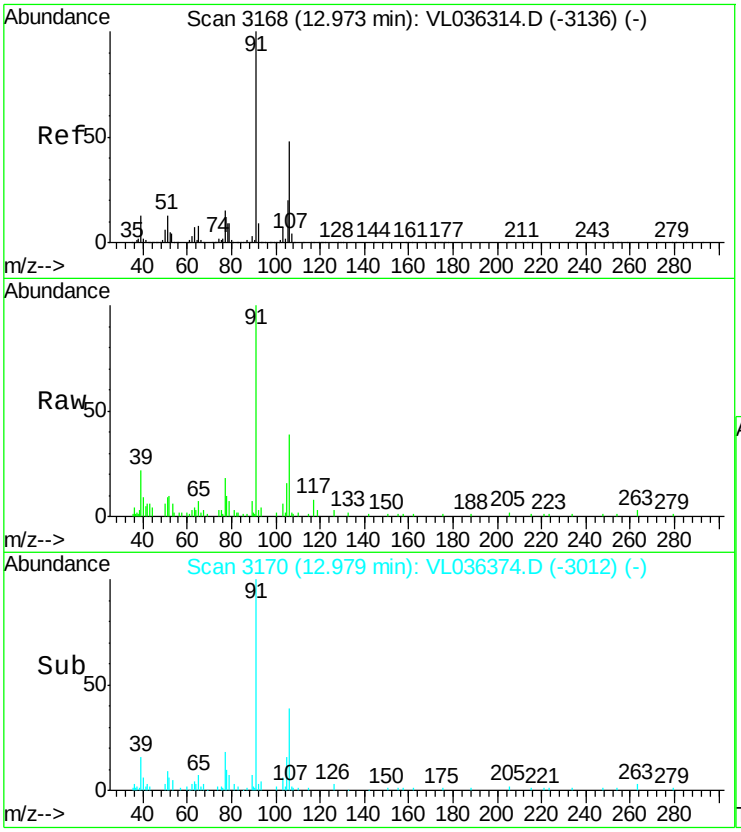


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion:117 Resp: 3177893

Ion	Ratio	Lower	Upper
117	100		
82	73.8	59.1	88.7
119	33.8	46.3	69.5#





#59
m/p-Xylene
Concen: 0.167 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 91 Resp: 63835

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2#

Instrument :
MSVOA_L
ClientSampleId :
NS-4DL

Manual Integrations APPROVED
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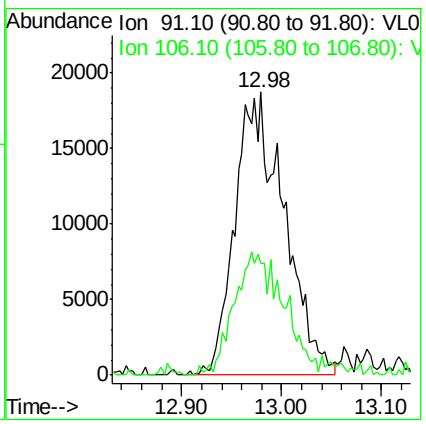
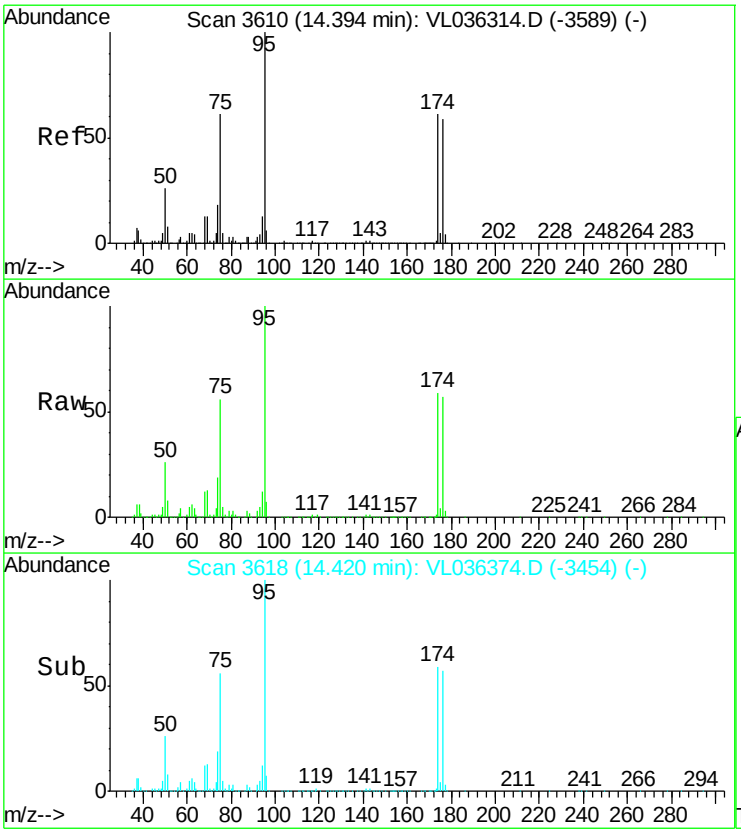
2/26/2021 4:18:15 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 9.539 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.03 min
Lab File: VL036374.D
Acq: 25 Feb 2021 6:45

Tgt Ion: 95 Resp: 2494119

Ion	Ratio	Lower	Upper
95	100		
174	66.6	49.8	74.6
175	4.6	3.7	5.5