Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL042821\
Data File : VL036893.D
Acq On : 28 Apr 2021 23:43
Operator : SY/AP
Sample : QC042021 CAN 10111
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042021 CAN 10111

Manual Integrations APPROVED
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4/29/2021 5:53:21 PM

Quant Time: Apr 29 04:01:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 2
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1363234	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3222122	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2953080	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2247761	9.48	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.80%			
Target Compounds						Qvalue
4) Chloromethane	3.16	50	11369m	0.139	ppbv	
9) Propene	3.03	41	10727m	0.142	ppbv	
13) Ethanol	3.65	45	10283m	1.066	ppbv	
15) Acetone	3.88	43	63803m	0.497	ppbv	
20) Methylene Chloride	4.36	84	113598m	1.849	ppbv	
26) Hexane	5.70	57	54929	0.374	ppbv #	36
30) Cyclohexane	7.19	84	34121m	0.293	ppbv	

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

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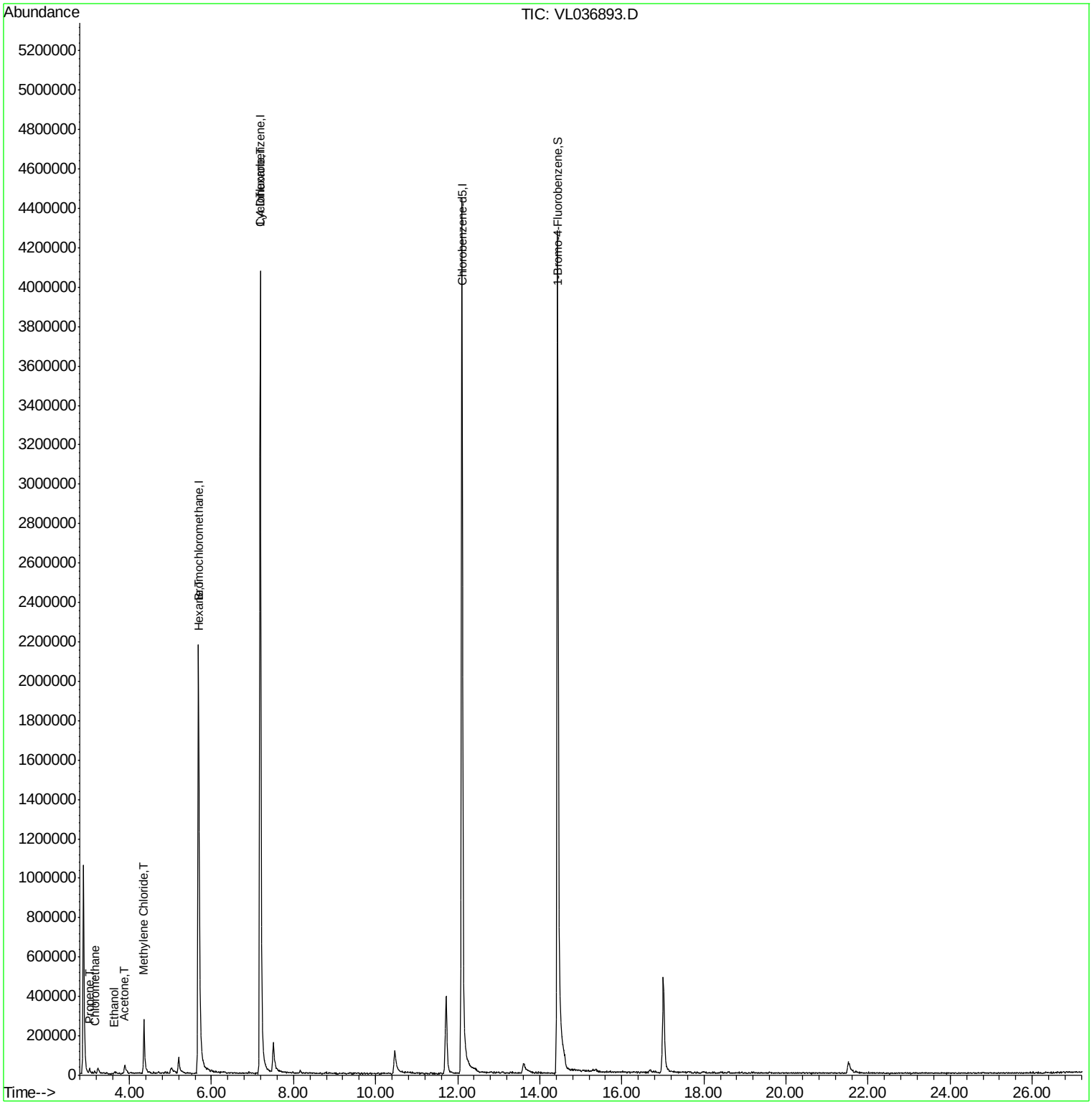
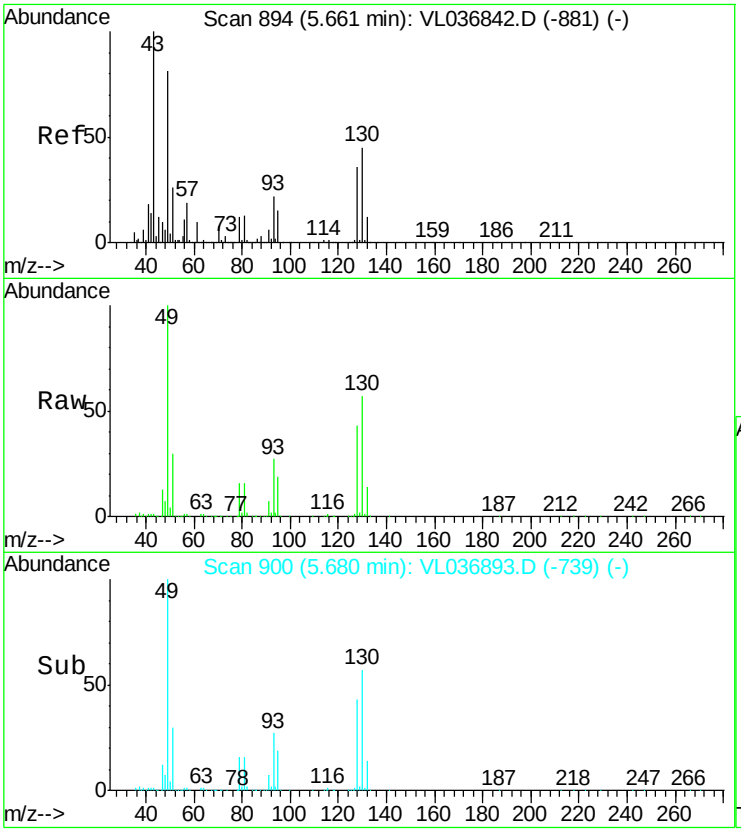
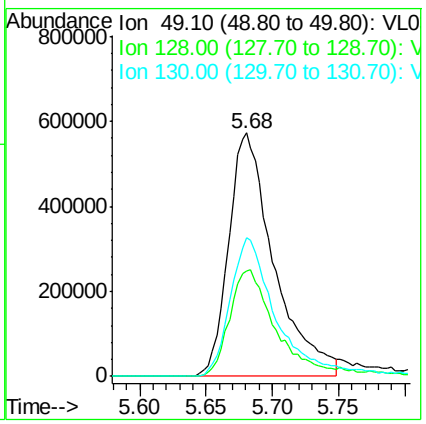




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 49 Resp: 1363234

Ion	Ratio	Lower	Upper
49	100		
128	47.5	24.4	73.2
130	60.4	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
QC042021 CAN 10111

Manual Integrations APPROVED
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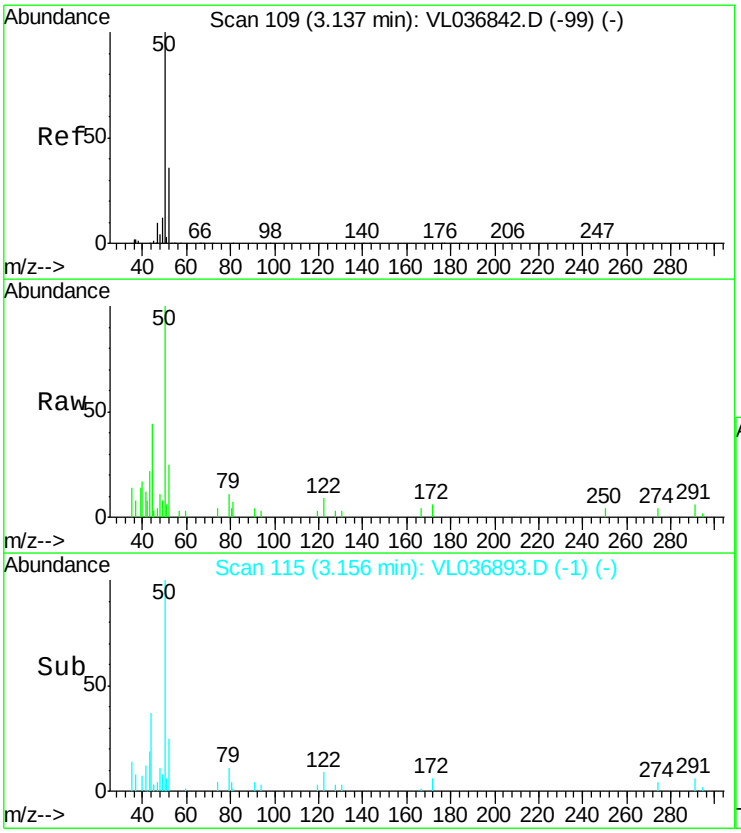
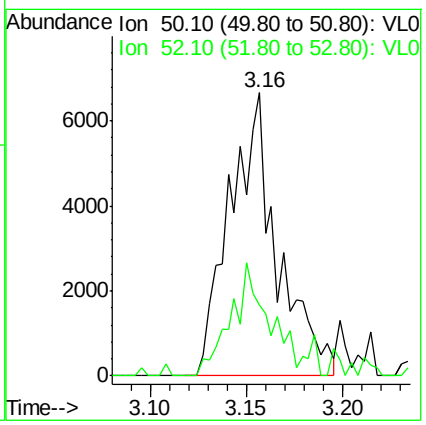
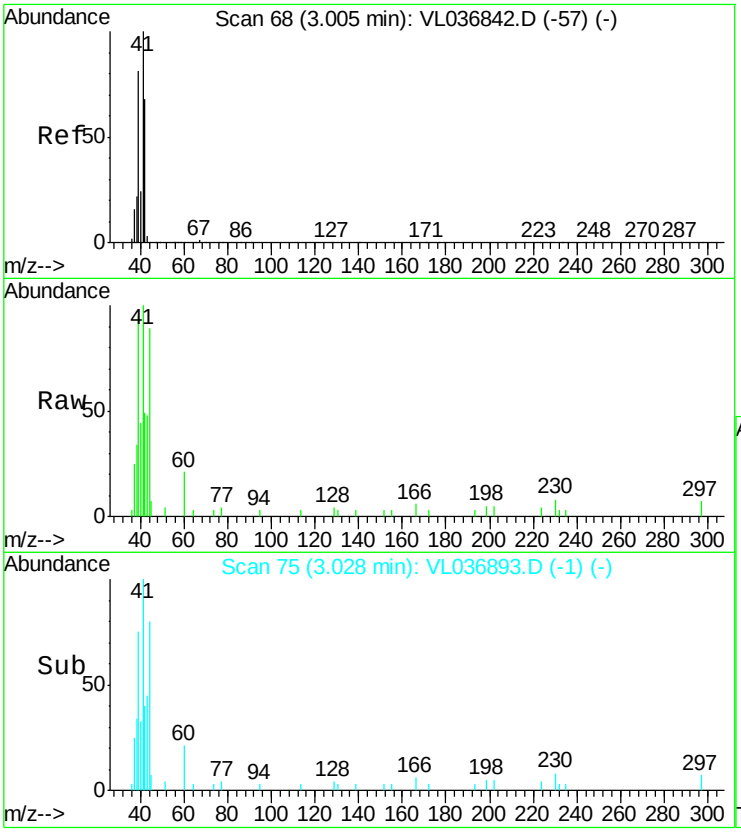


#4
Chloromethane
Concen: 0.139 ppbv m
RT: 3.16 min Scan# 115
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 50 Resp: 11369

Ion	Ratio	Lower	Upper
50	100		
52	24.9	28.5	42.7#





#9
Propene
Concen: 0.142 ppbv m
RT: 3.03 min Scan# 75
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 41 Resp: 10727

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.0	84.0#

Instrument :
MSVOA_L
ClientSampleId :
QC042021 CAN 10111

Manual Integrations APPROVED
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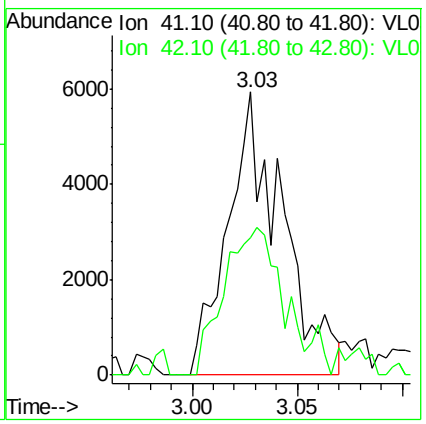
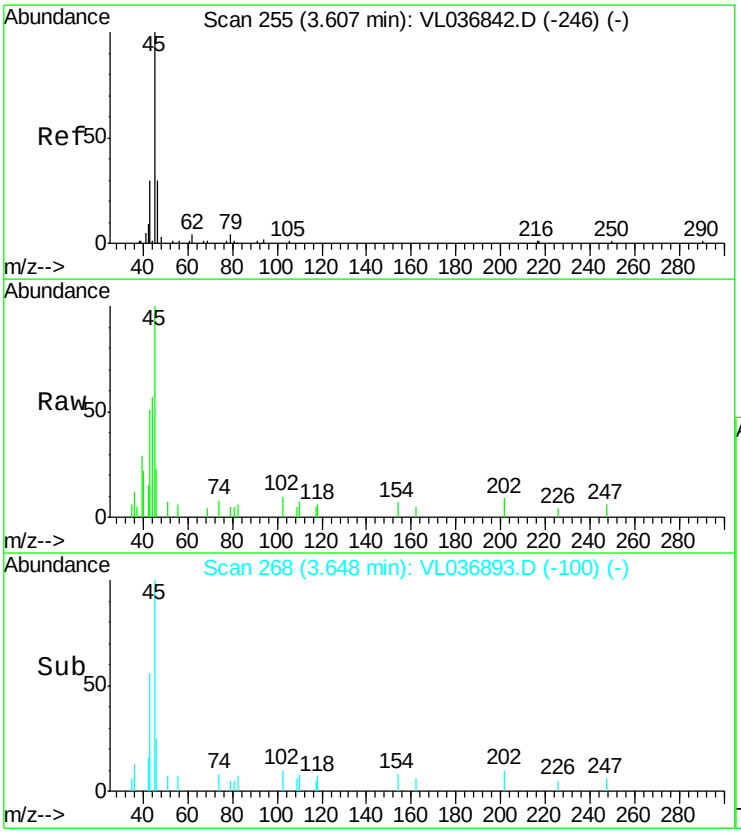
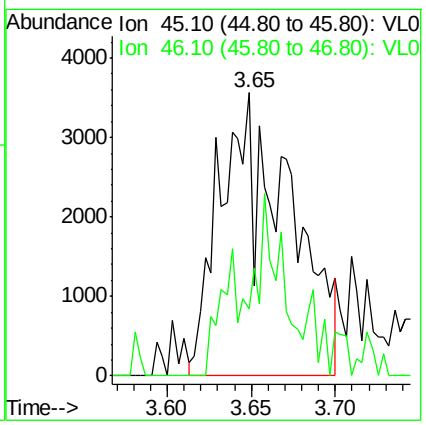


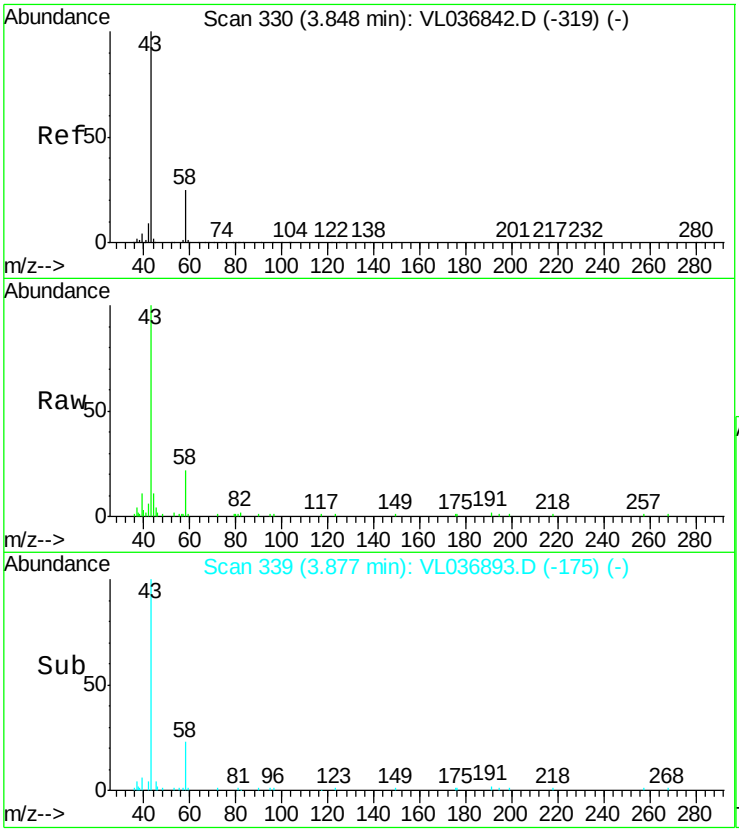


#13
Ethanol
Concen: 1.066 ppbv m
RT: 3.65 min Scan# 268
Delta R.T. 0.04 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 45 Resp: 10283

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.8	67.4#

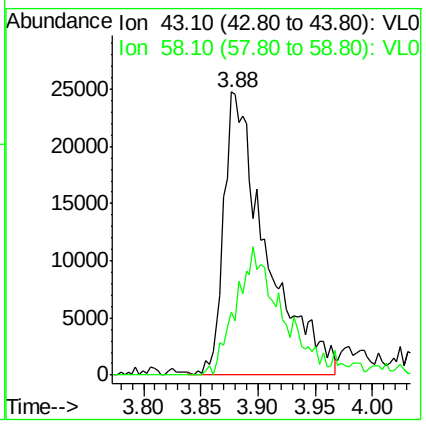




#15
Acetone
Concen: 0.497 ppbv m
RT: 3.88 min Scan# 339
Delta R.T. 0.03 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 43 Resp: 63803

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.7	32.5#



Instrument :
MSVOA_L
ClientSampleId :
QC042021 CAN 10111

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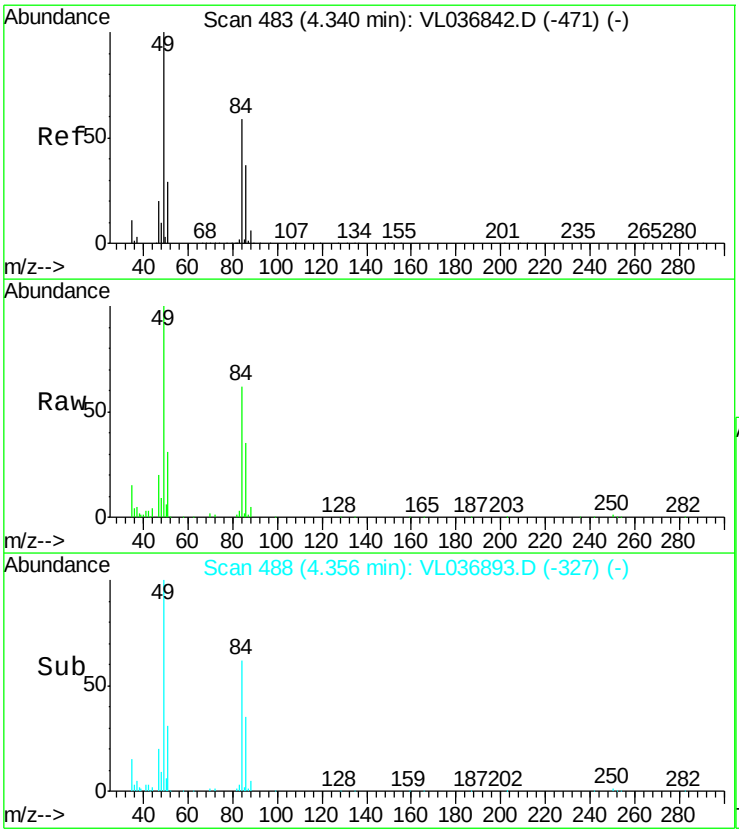
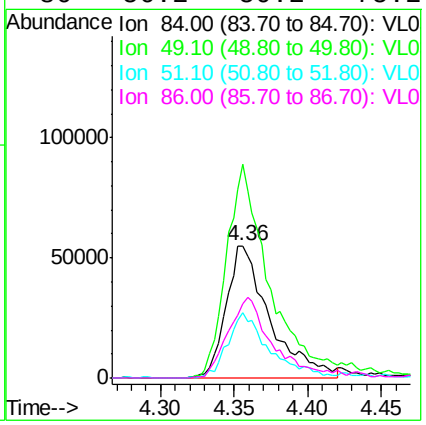
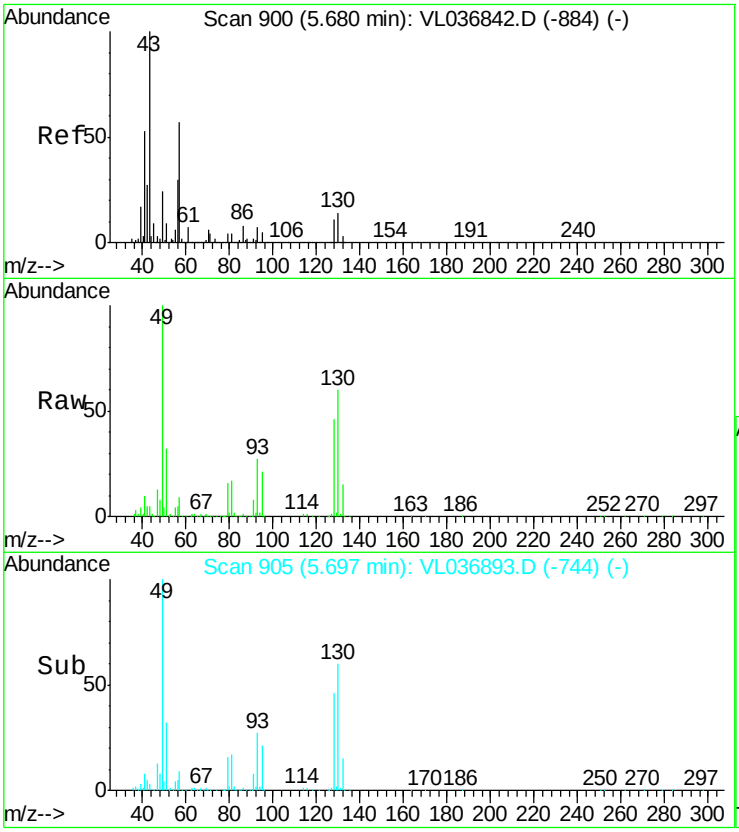


#20
Methylene Chloride
Concen: 1.849 ppbv m
RT: 4.36 min Scan# 488
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 84 Resp: 113598

Ion	Ratio	Lower	Upper
84	100		
49	161.9	135.4	203.0
51	49.5	39.3	58.9
86	56.2	50.2	75.2

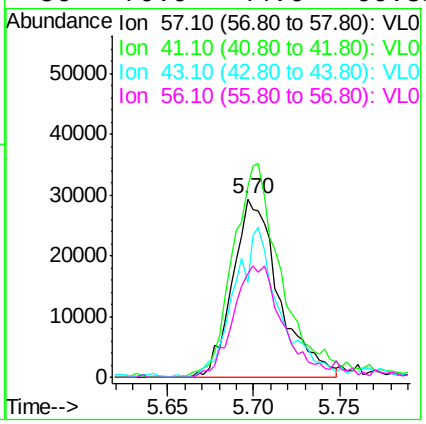




#26
Hexane
Concen: 0.374 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 57 Resp: 54929

Ion	Ratio	Lower	Upper
57	100		
41	131.9	77.7	116.5#
43	83.1	180.5	270.7#
56	70.9	44.6	66.8#



Instrument :
MSVOA_L
ClientSampleId :
QC042021 CAN 10111

Manual Integrations APPROVED
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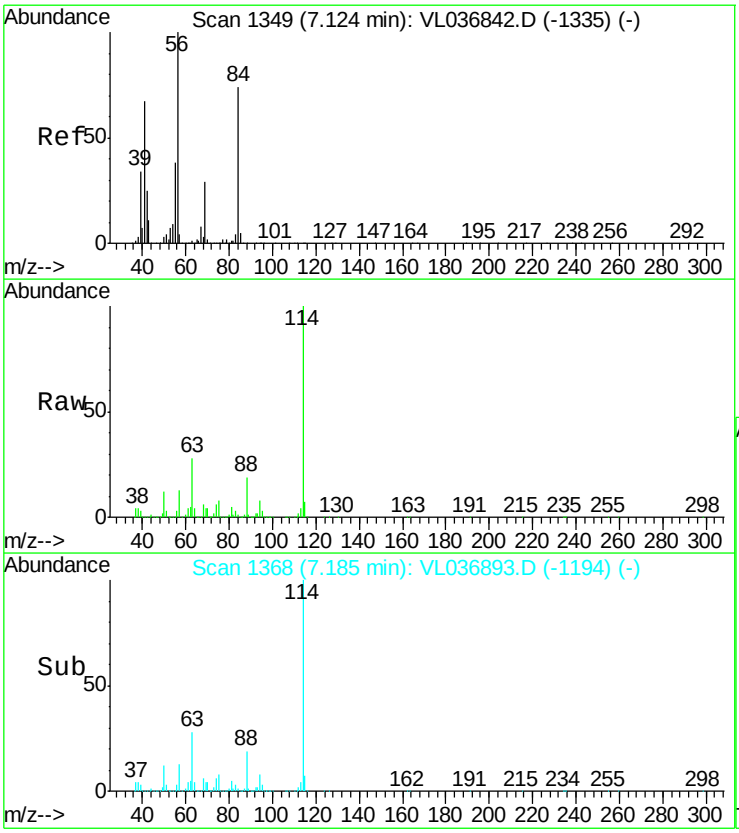
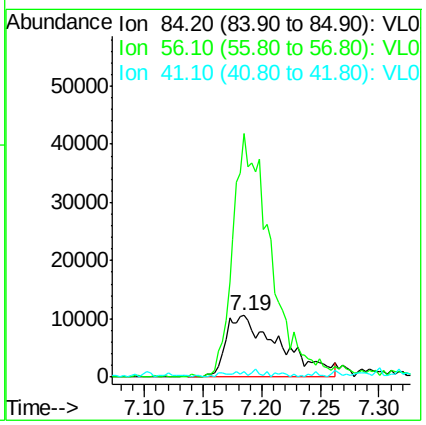
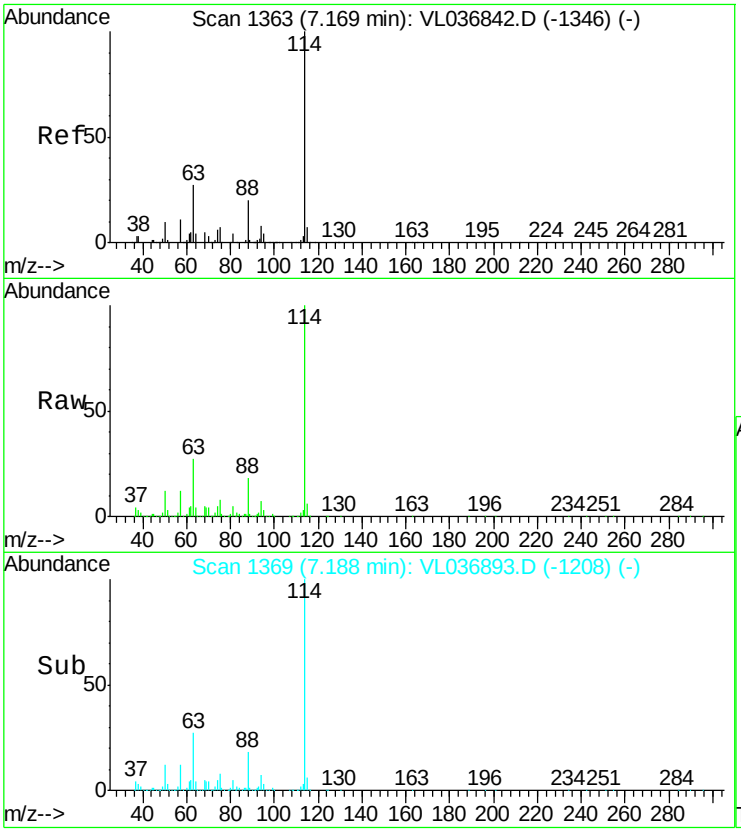


#30
Cyclohexane
Concen: 0.293 ppbv m
RT: 7.19 min Scan# 1368
Delta R.T. 0.06 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 84 Resp: 34121

Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.8	173.6#
41	0.0	74.6	111.8#

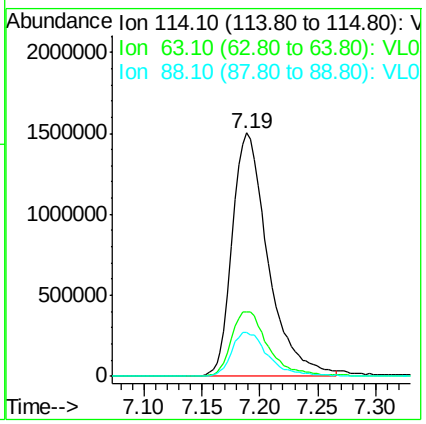




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion:114 Resp: 3222122

Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.9	32.9
88	18.7	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
QC042021 CAN 10111

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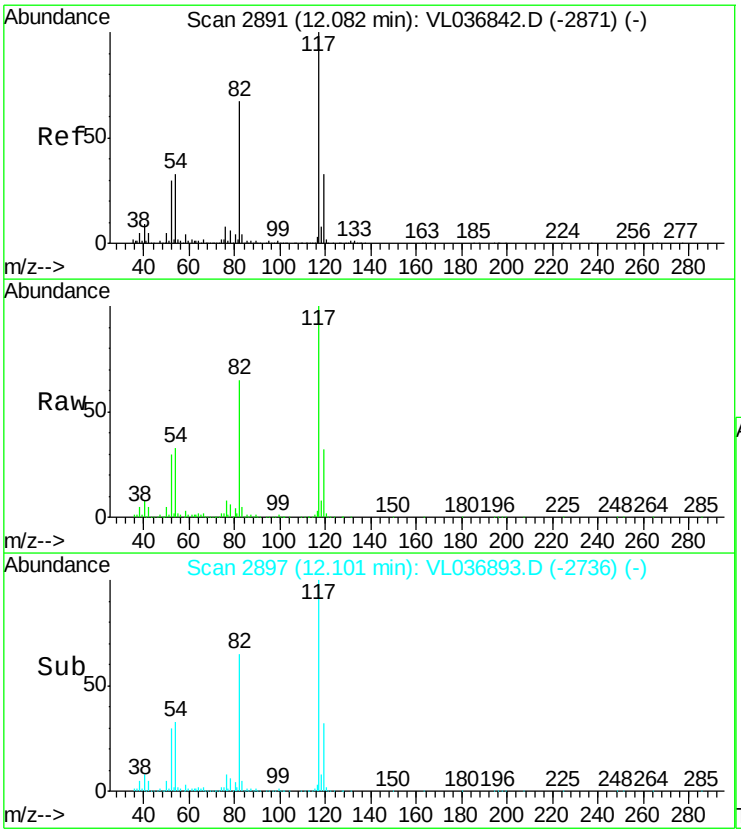
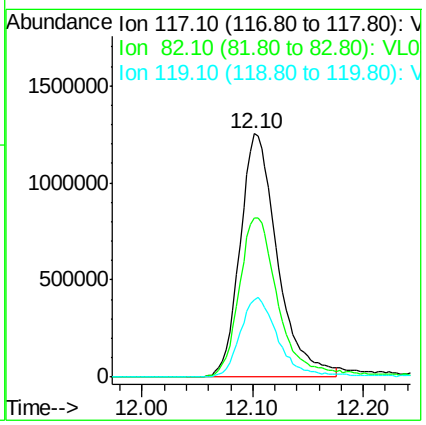
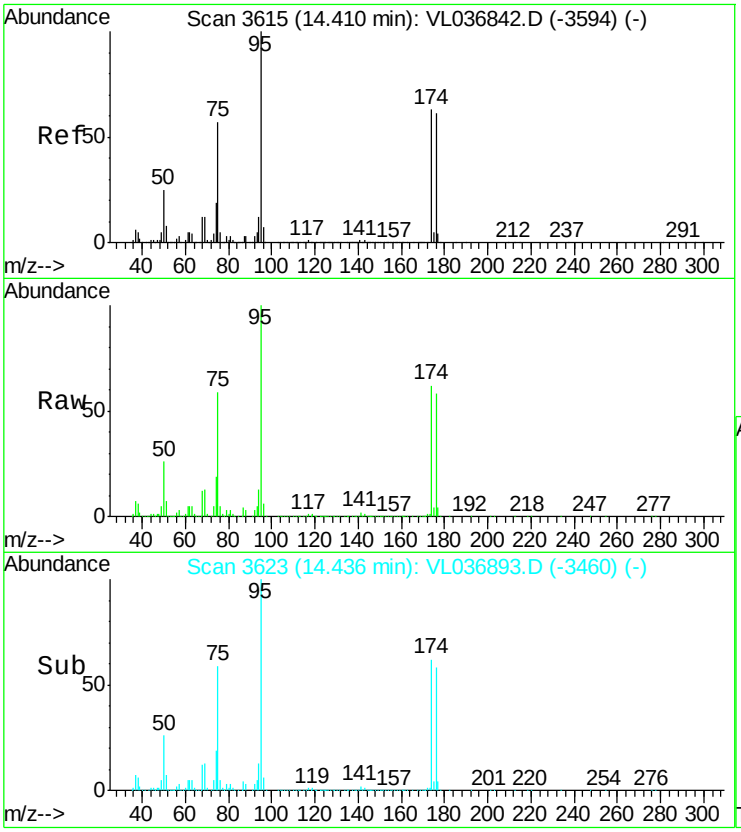


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion:117 Resp: 2953080

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.5	80.3
119	34.0	25.6	38.4

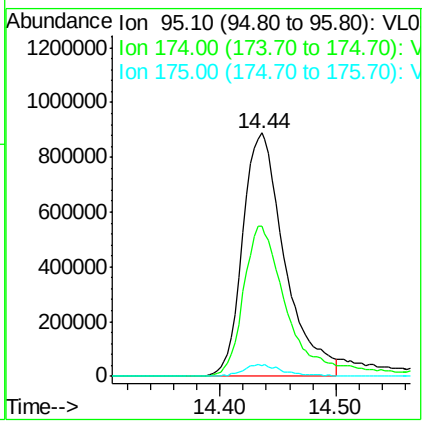




#68
1-Bromo-4-Fluorobenzene
Concen: 9.482 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.03 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 95 Resp: 2247761

Ion	Ratio	Lower	Upper
95	100		
174	68.0	52.2	78.2
175	4.9	4.0	6.0



Instrument :
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