Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\
Data File : VL034697.D
Acq On : 26 Feb 2020 21:13
Operator : SY/AP
Sample : L1663-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 15:54:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : EP-104DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1084470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2260808	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2229734	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1858435	10.16	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%			
Target Compounds						Qvalue
13) Ethanol	3.58	45	390074	25.240	ppbv	98
15) Acetone	3.83	43	348210	2.818	ppbv	98
17) tert-Butyl alcohol	4.28	59	81585	0.862	ppbv	99
19) Isopropyl Alcohol	3.95	45	731497	9.938	ppbv	99
36) Benzene	6.90	78	21634m	0.111	ppbv	
53) Toluene	9.83	91	157815	0.760	ppbv	100
59) m/p-Xylene	13.01	91	97596m	0.415	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	38152m	0.138	ppbv	

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

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Instrument :
MSVOA_L
ClientSampleId :
EP-104DL

Manual Integrations APPROVED
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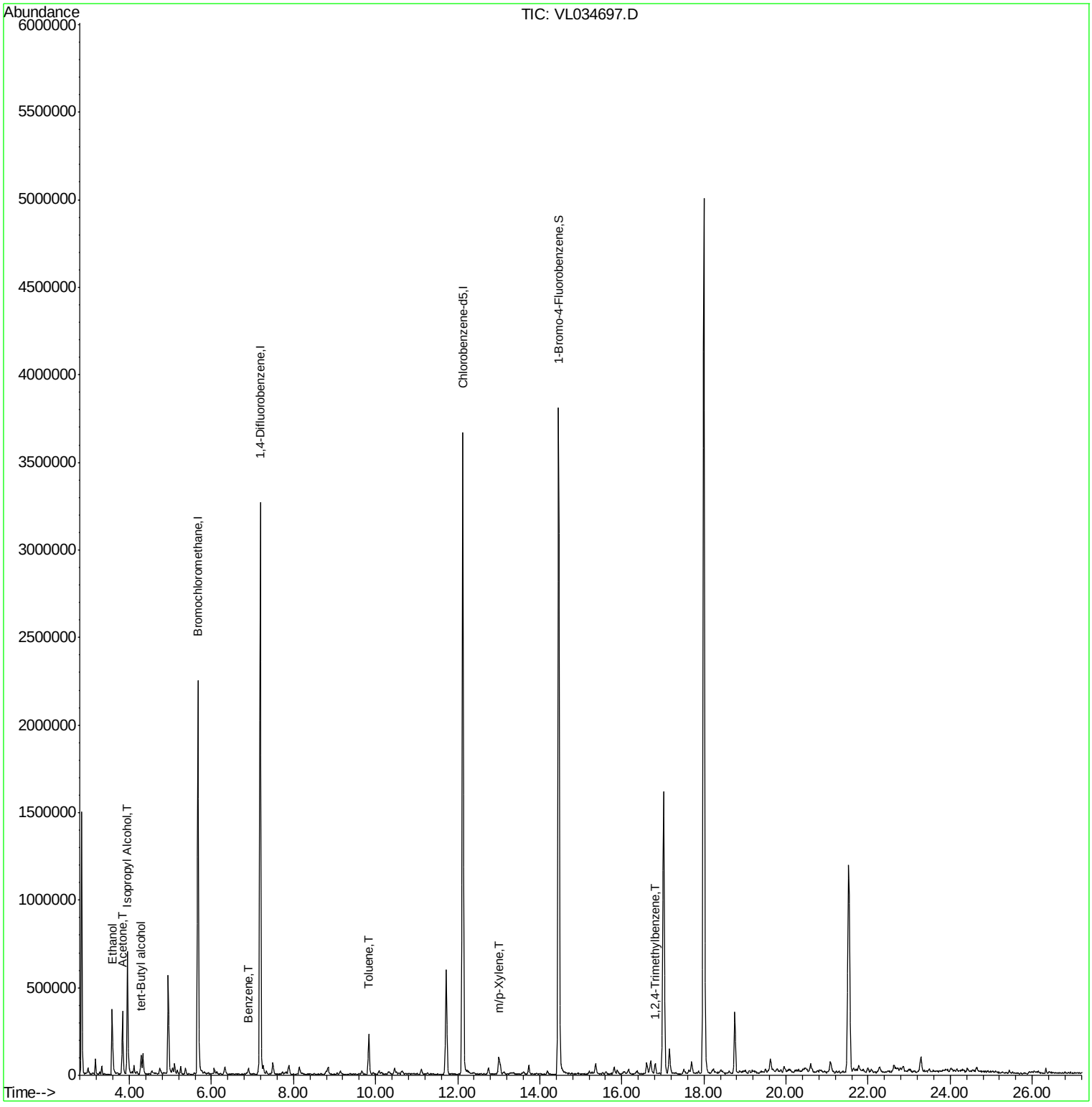
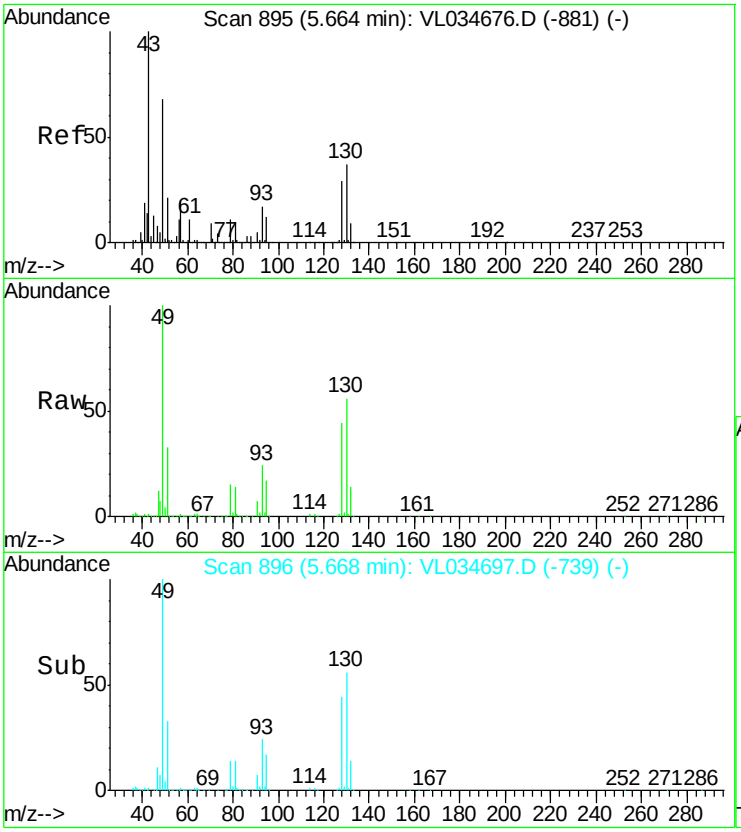
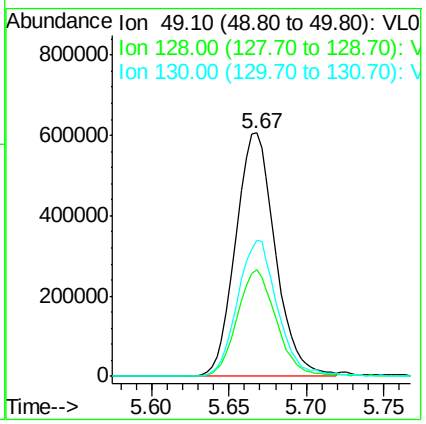




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 49 Resp: 1084470

Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.6	65.0
130	56.5	27.7	83.1



Instrument :
MSVOA_L
ClientSampleId :
EP-104DL

Manual Integrations APPROVED
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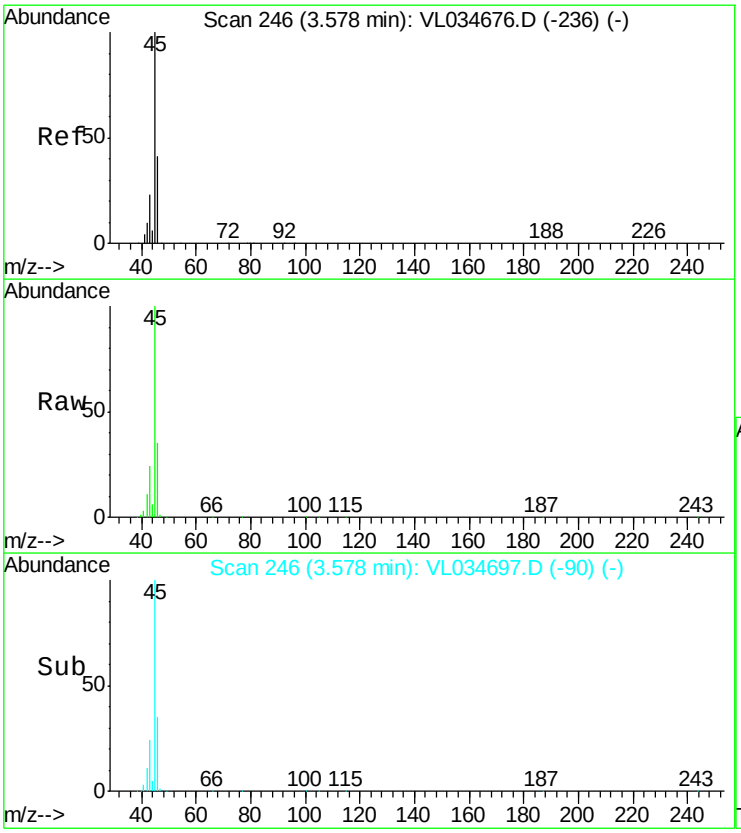
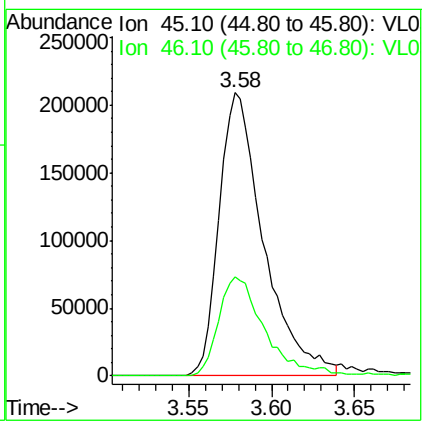
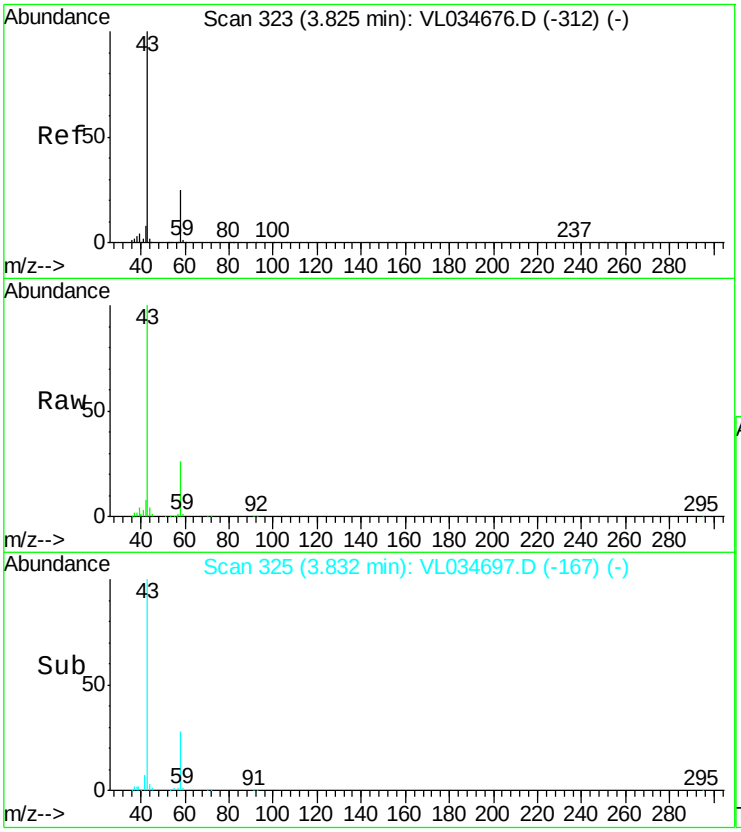


#13
Ethanol
Concen: 25.240 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 45 Resp: 390074

Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.4	61.4

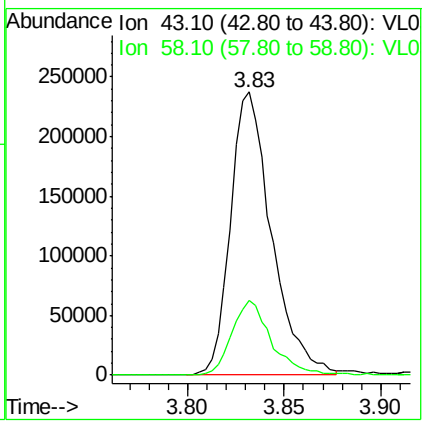




#15
Acetone
Concen: 2.818 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 43 Resp: 348210

Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.4	32.0



Instrument :
MSVOA_L
ClientSampleId :
EP-104DL

Manual Integrations APPROVED
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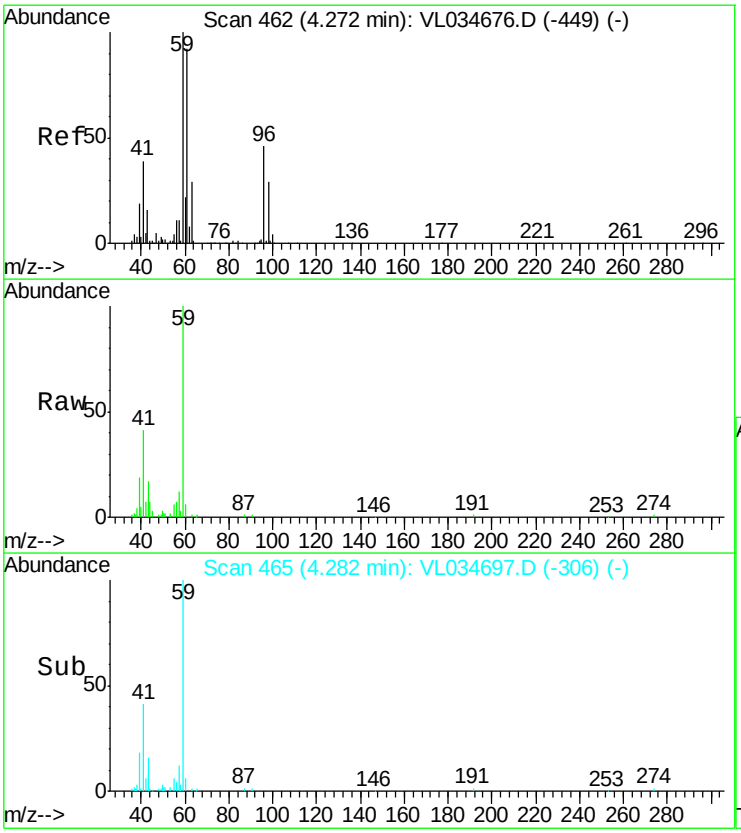
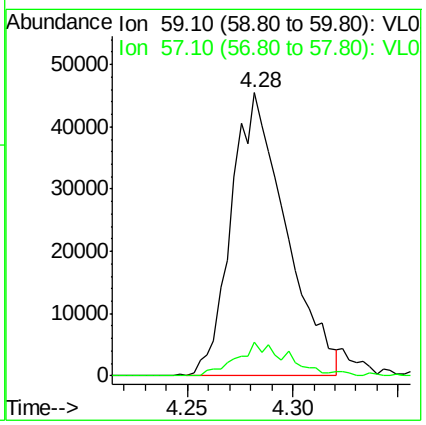
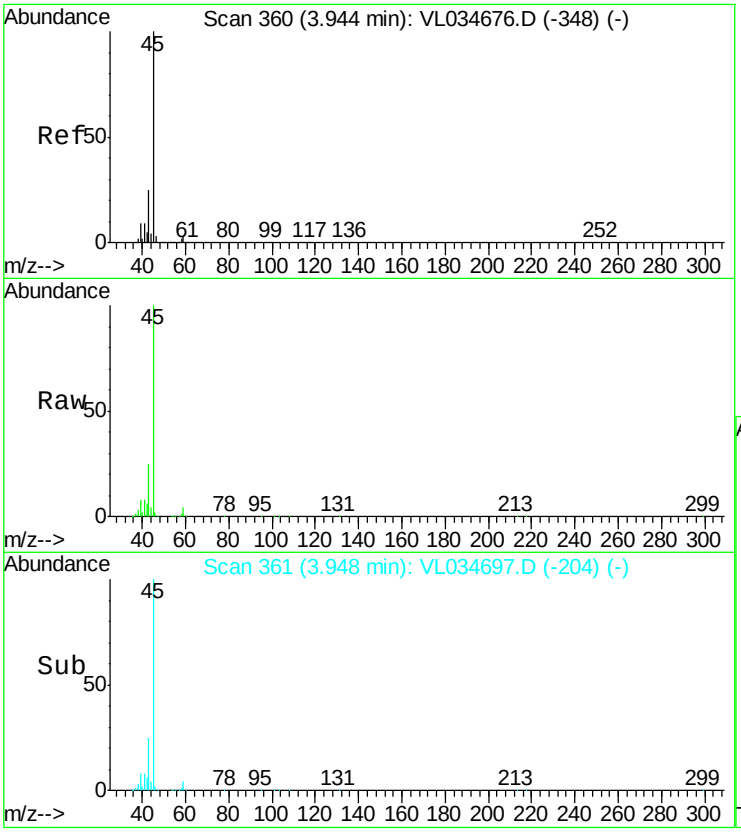


#17
tert-Butyl alcohol
Concen: 0.862 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 59 Resp: 81585

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

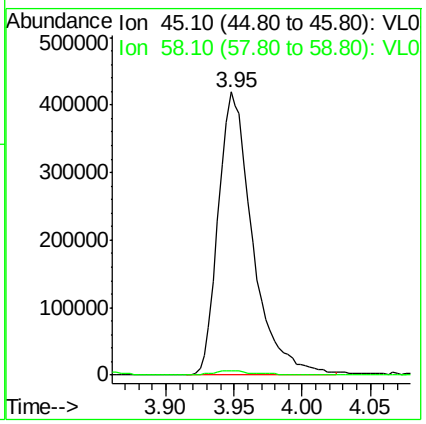




#19
Isopropyl Alcohol
Concen: 9.938 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 45 Resp: 731497

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.8	2.6



Instrument :
MSVOA_L
ClientSampleId :
EP-104DL

Manual Integrations APPROVED
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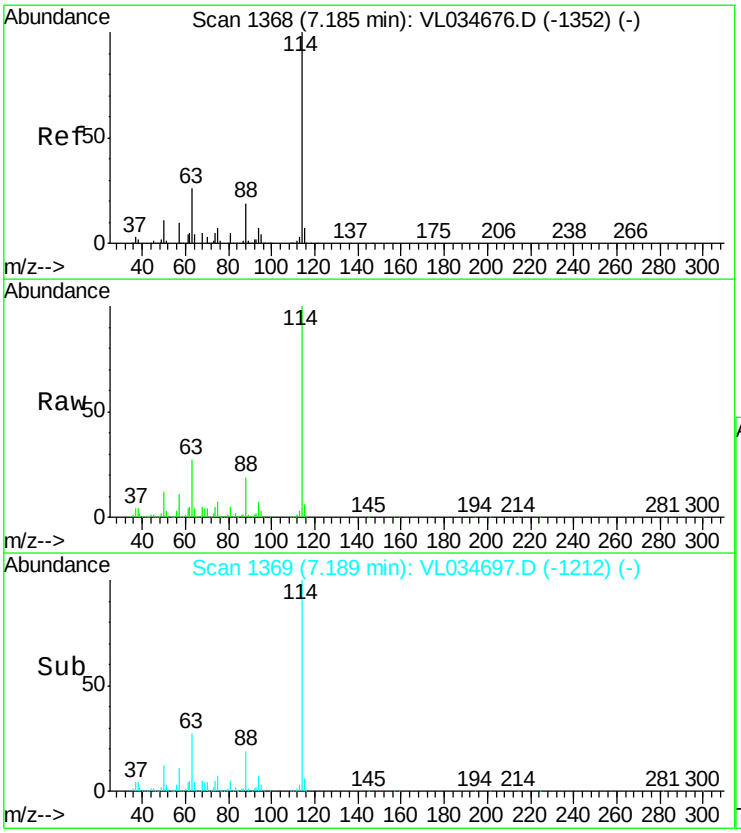
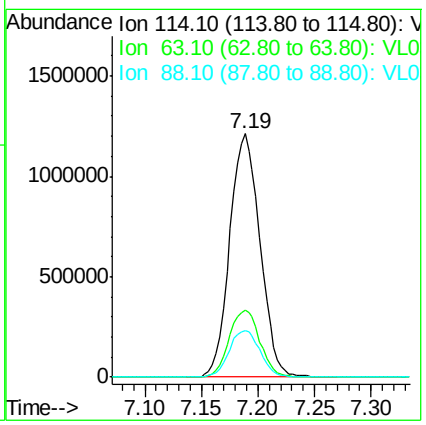
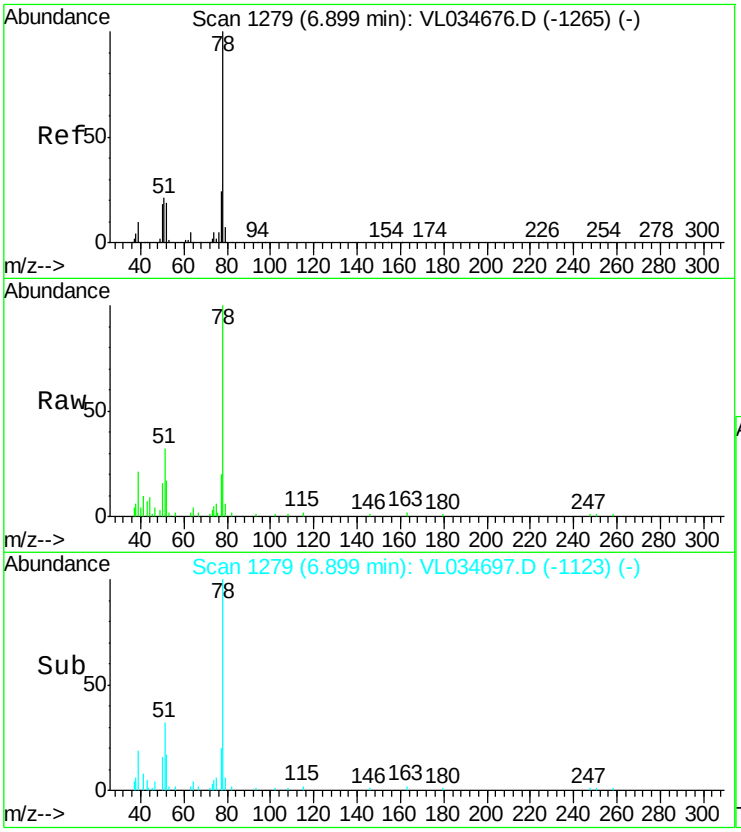


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion:114 Resp: 2260808

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.9	34.3
88	19.6	15.8	23.6

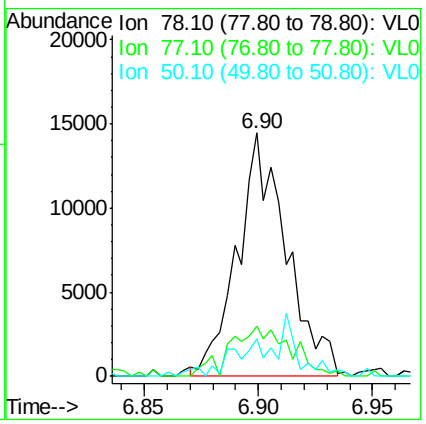




#36
Benzene
Concen: 0.111 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 78 Resp: 21634

Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.5	29.3
50	15.7	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
EP-104DL

Manual Integrations APPROVED
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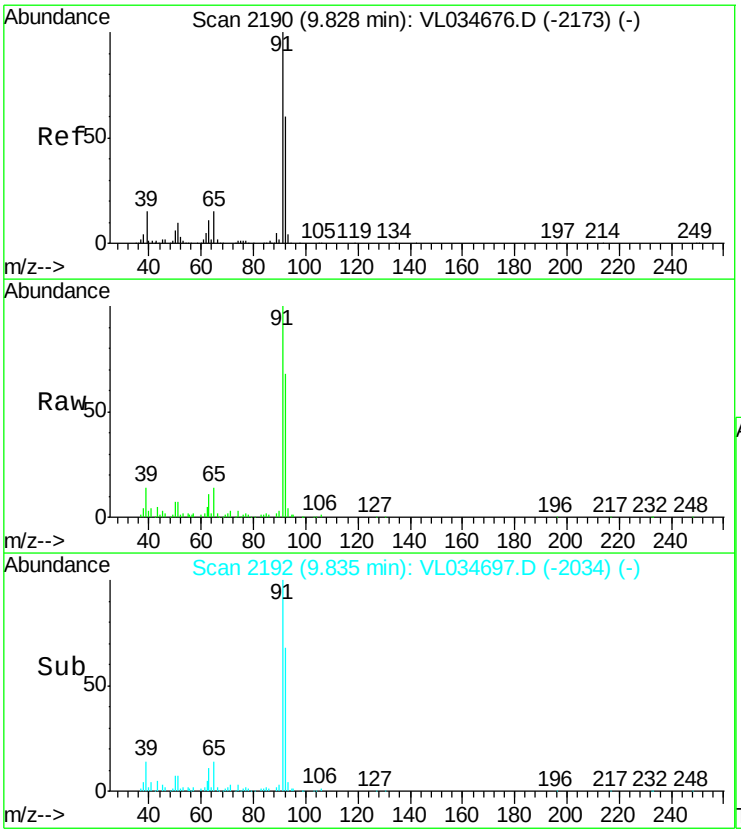
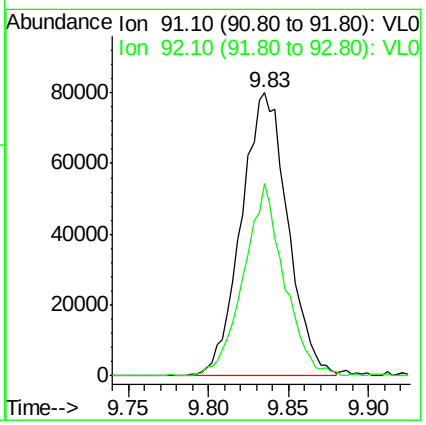
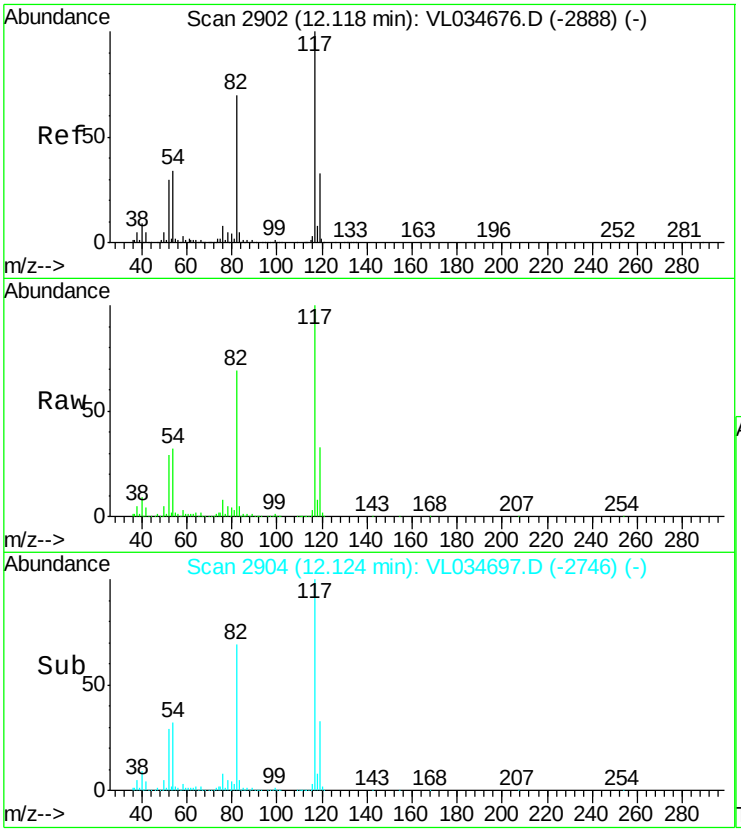


#53
Toluene
Concen: 0.760 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.01 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 91 Resp: 157815

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.5	72.7

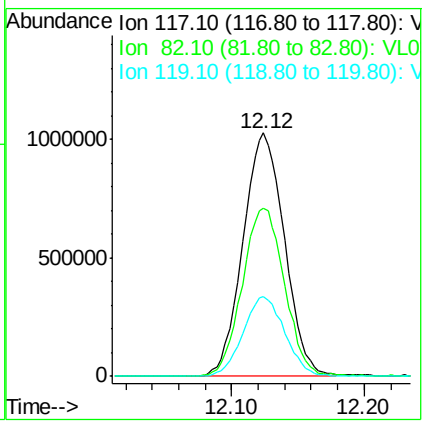




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion:117 Resp: 2229734

Ion	Ratio	Lower	Upper
117	100		
82	70.5	54.1	81.1
119	33.2	27.6	41.4



Instrument :
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ClientSampleId :
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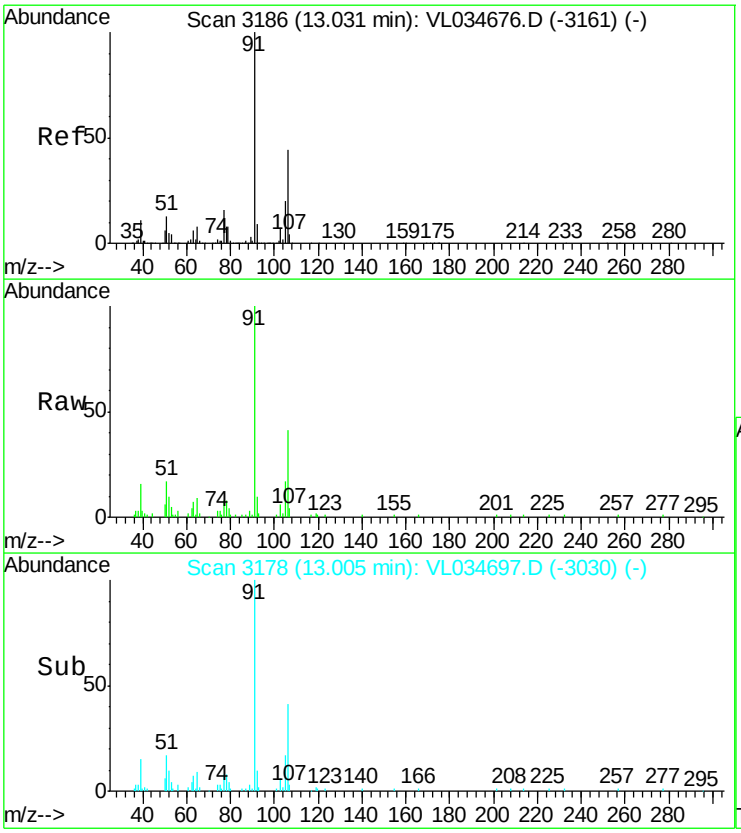
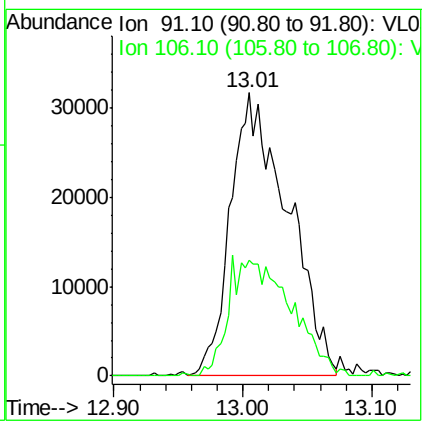
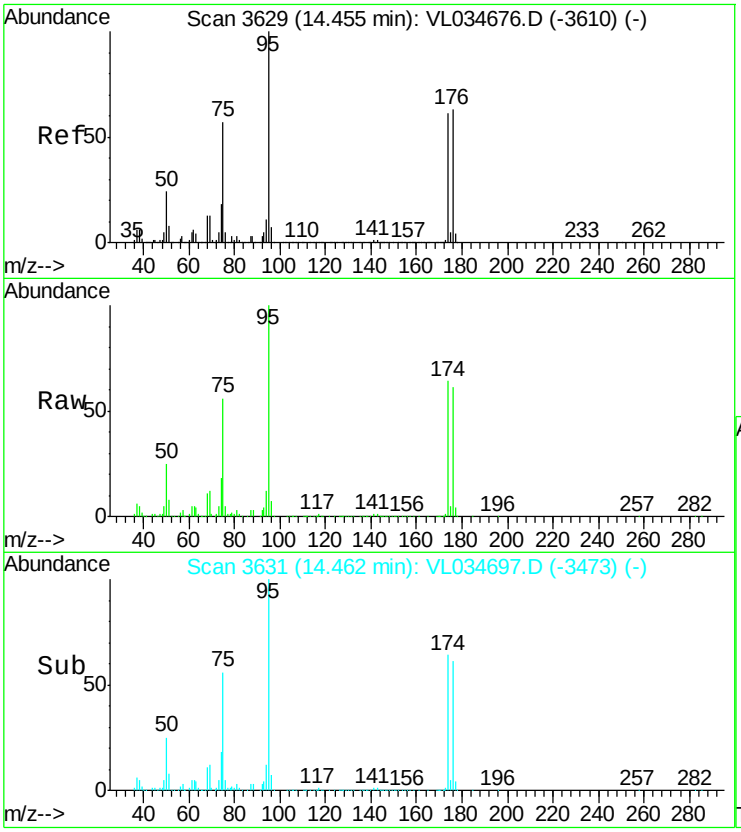


#59
m/p-Xylene
Concen: 0.415 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 91 Resp: 97596

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

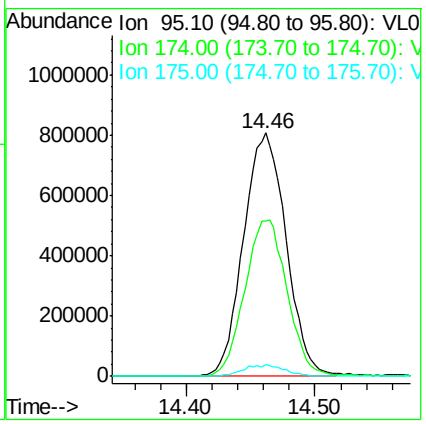




#68
1-Bromo-4-Fluorobenzene
Concen: 10.165 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.01 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion: 95 Resp: 1858435

Ion	Ratio	Lower	Upper
95	100		
174	64.5	50.7	76.1
175	4.7	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
EP-104DL

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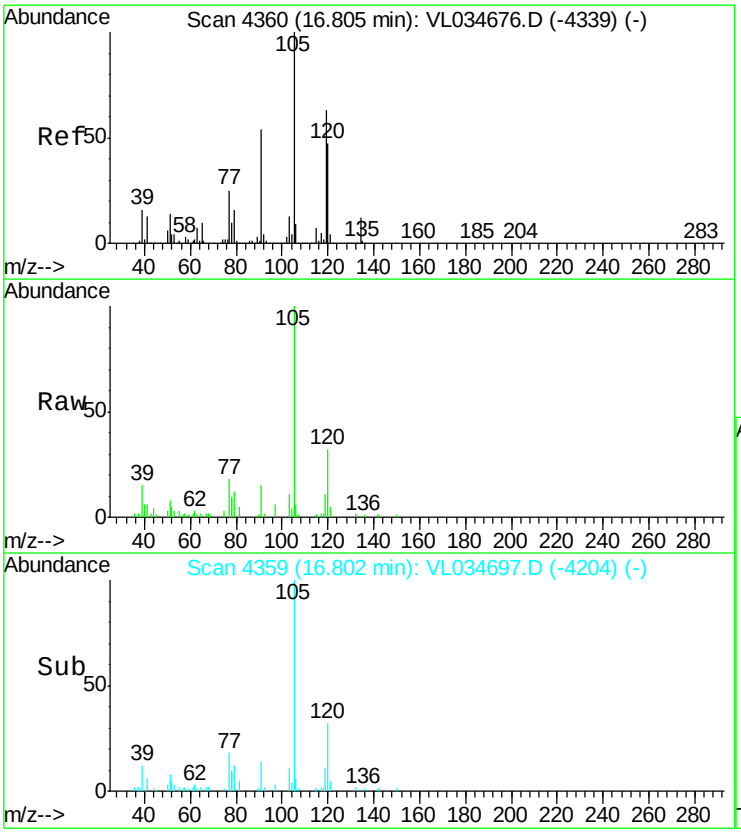

#74
1,2,4-Trimethylbenzene
Concen: 0.138 ppbv m
RT: 16.80 min Scan# 4359
Delta R.T. -0.00 min
Lab File: VL034697.D
Acq: 26 Feb 2020 21:13

Tgt Ion:105 Resp: 38152

Ion	Ratio	Lower	Upper
105	100		
120	32.4	37.9	56.9#
91	14.5	43.9	65.9#
77	17.9	20.3	30.5#