Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034238.D
Acq On : 8 Oct 2019 1:37
Operator : SY/AP
Sample : K5222-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V-1DL

Manual Integrations APPROVED
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10/11/2019 5:05:52 PM

Quant Time: Oct 10 20:40:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1053602	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1734817	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1753988	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1583779	10.39	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.90%			
Target Compounds						Qvalue
9) Propene	2.99	41	77685	1.275	ppbv	90
10) Heptane	8.17	43	52474	0.330	ppbv	92
13) Ethanol	3.60	45	156830	10.626	ppbv	94
15) Acetone	3.85	43	110670m	0.784	ppbv	
19) Isopropyl Alcohol	3.99	45	27602m	0.318	ppbv	
26) Hexane	5.71	57	104087	0.937	ppbv #	46
30) Cyclohexane	7.17	84	20702m	0.258	ppbv	
34) 2-Butanone	5.28	43	19392	0.109	ppbv #	91
36) Benzene	6.92	78	101400	0.529	ppbv	94
44) 2,2,4-Trimethylpentane	7.91	57	82755m	0.224	ppbv	
53) Toluene	9.86	91	410551	1.961	ppbv	96
58) Ethyl Benzene	12.78	91	40882m	0.144	ppbv	
59) m/p-Xylene	13.04	91	115990m	0.495	ppbv	
60) o-Xylene	13.76	91	37006m	0.158	ppbv	

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

Quantitation Report (QT Reviewed)

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Quant Time: Oct 10 20:40:10 2019
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
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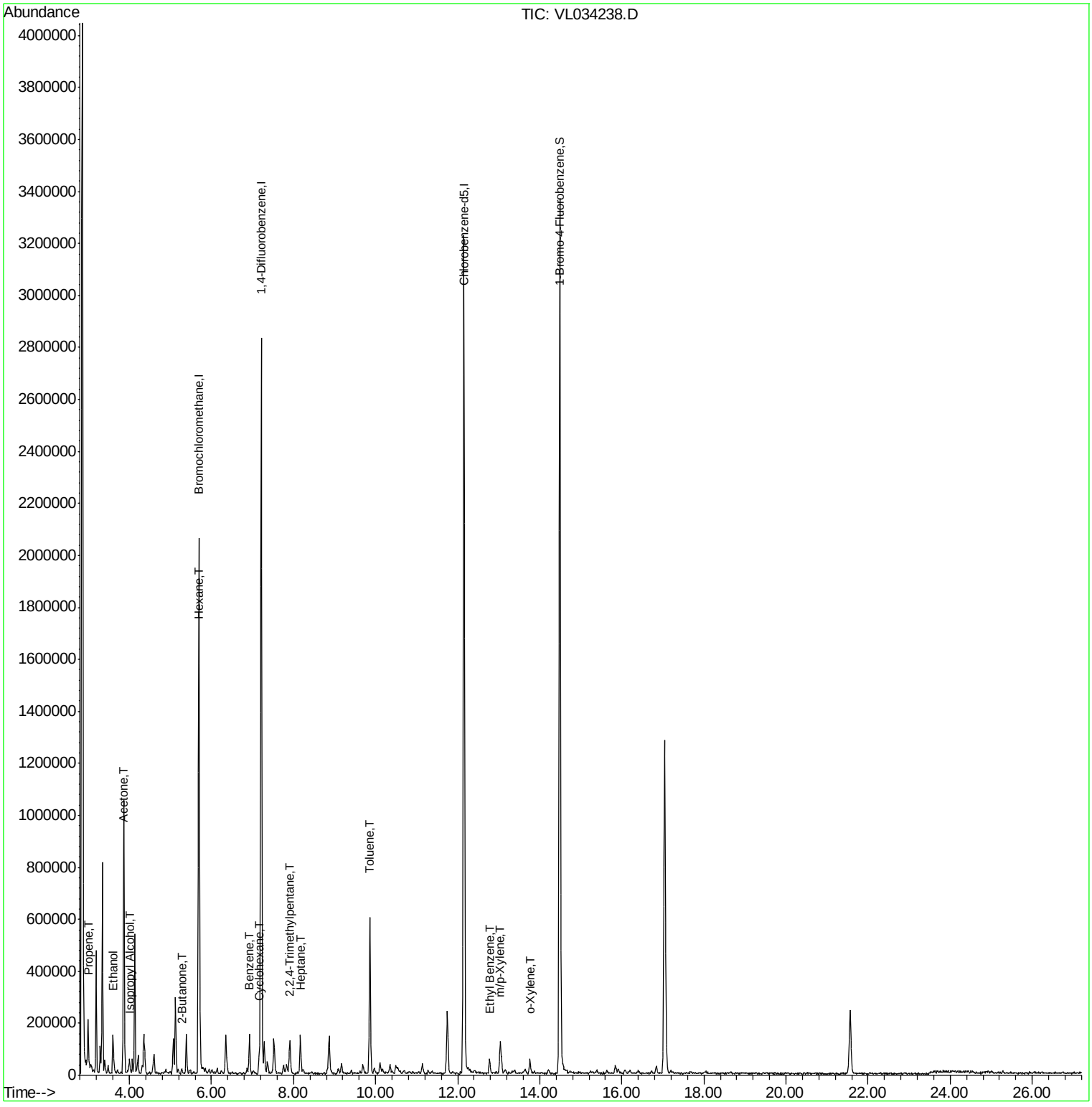
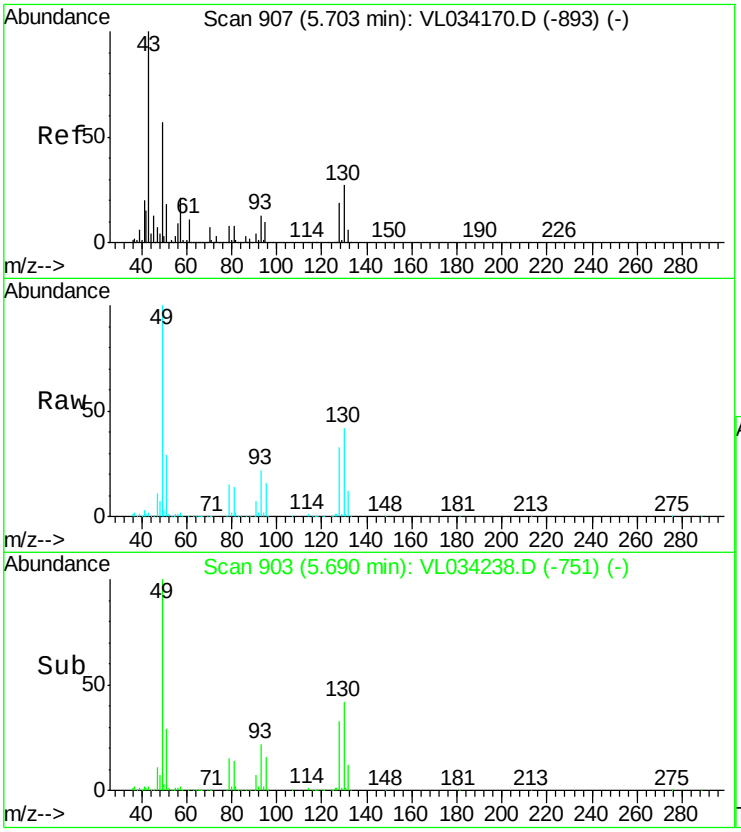
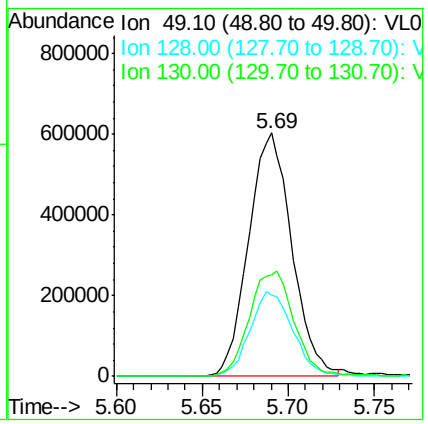




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 49 Resp: 1053602

Ion	Ratio	Lower	Upper
49	100		
128	34.6	17.6	52.9
130	45.0	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
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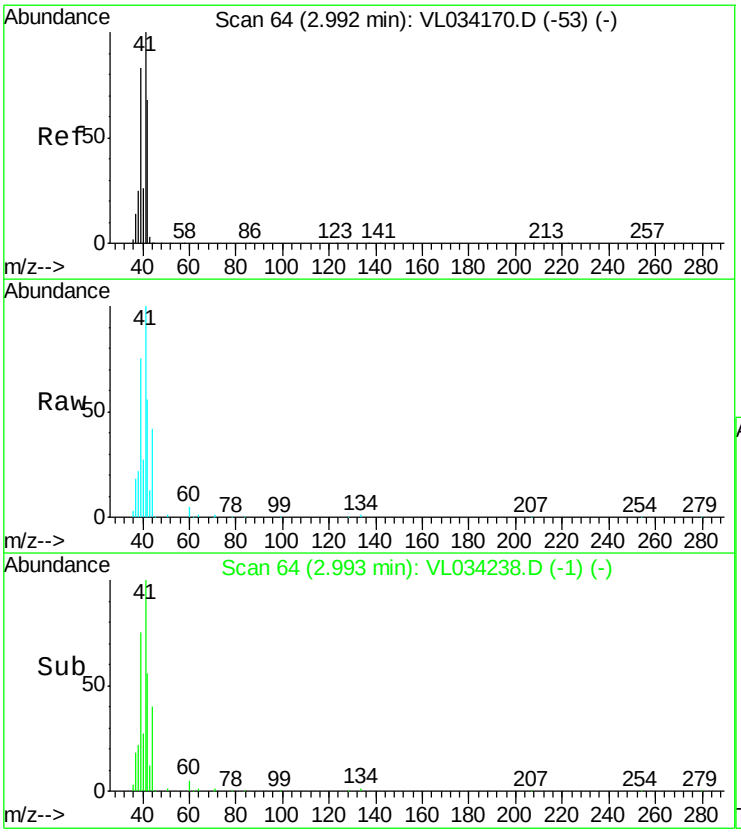
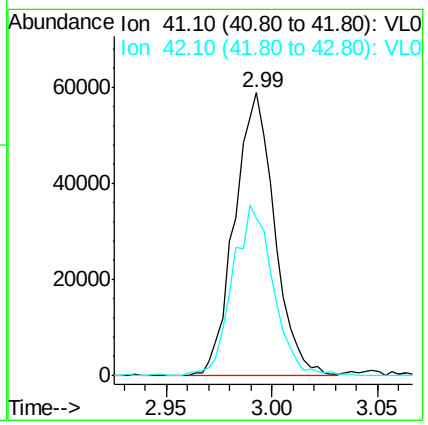
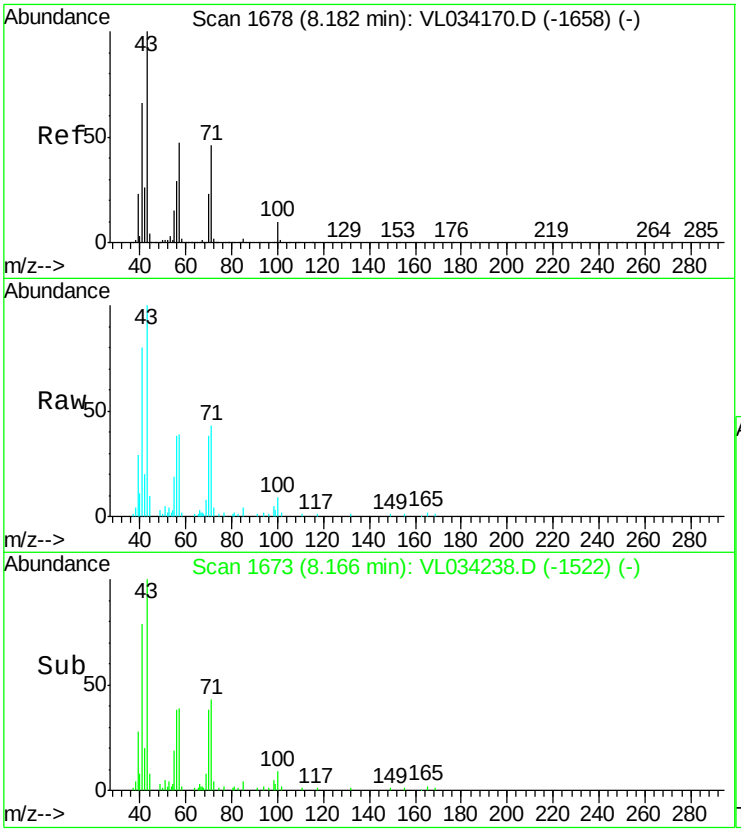


#9
Propene
Concen: 1.275 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 41 Resp: 77685

Ion	Ratio	Lower	Upper
41	100		
42	61.8	55.8	83.6

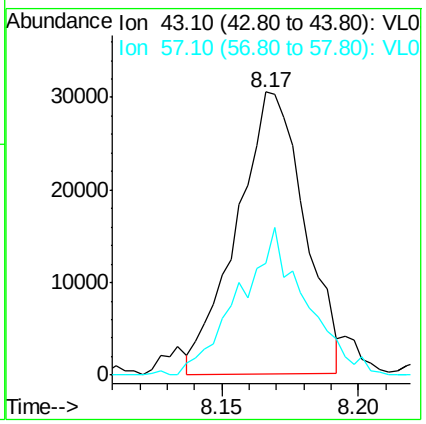




#10
Heptane
Concen: 0.330 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 43 Resp: 52474

Ion	Ratio	Lower	Upper
43	100		
57	52.1	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
V-1DL

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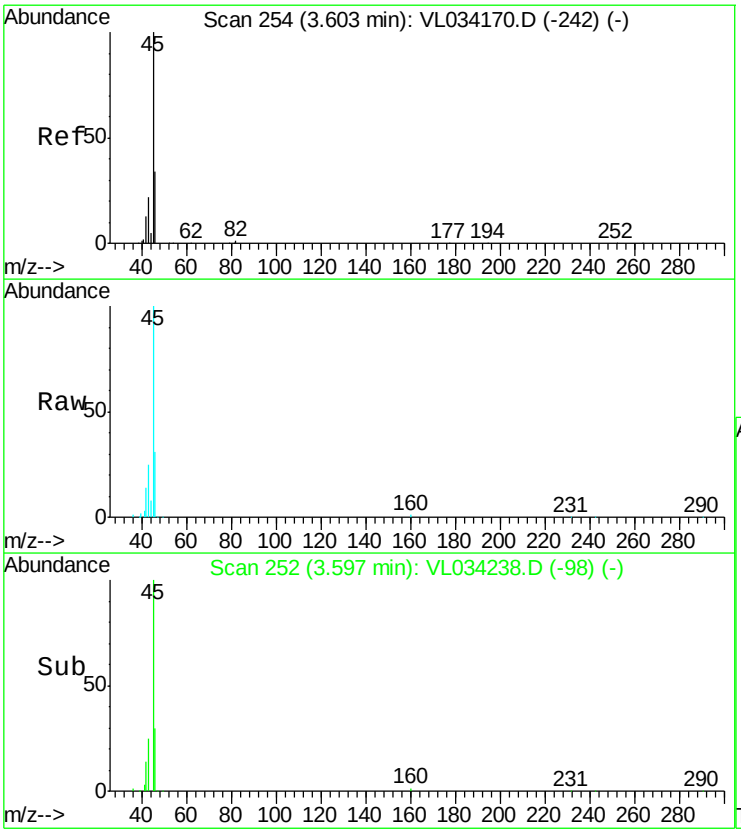
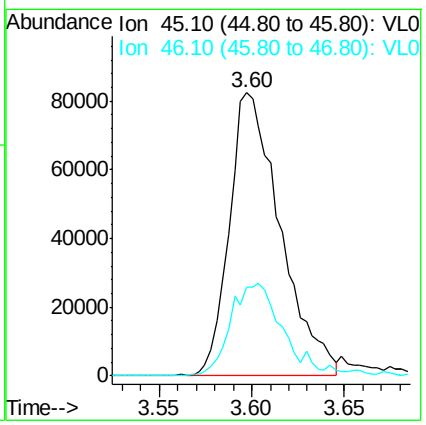
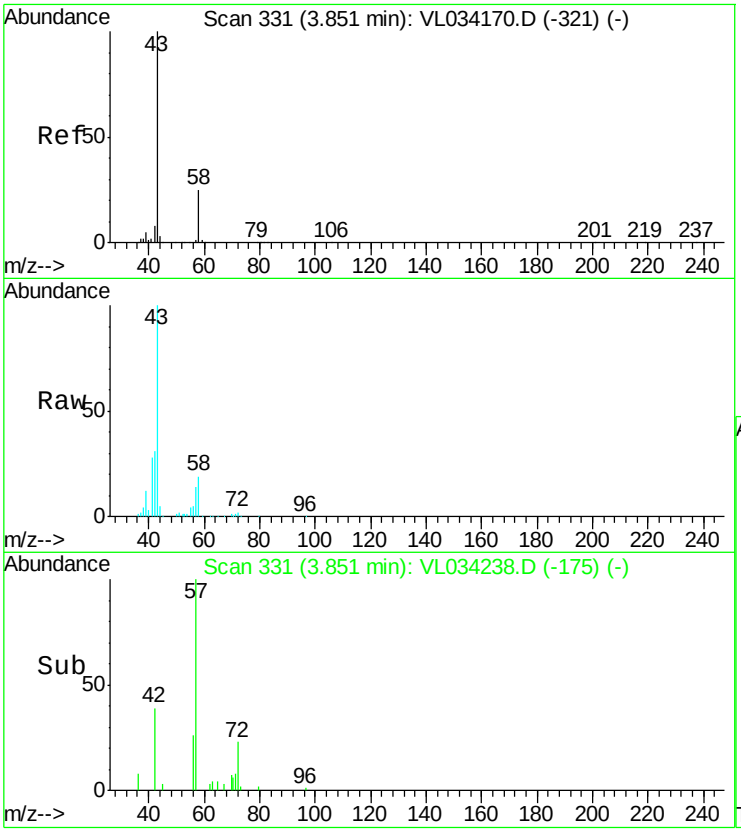


#13
Ethanol
Concen: 10.626 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 45 Resp: 156830

Ion	Ratio	Lower	Upper
45	100		
46	34.9	15.5	61.9





#15
Acetone
Concen: 0.784 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 43 Resp: 110670

Ion	Ratio	Lower	Upper
43	100		
58	50.8	20.5	30.7#

Instrument :
MSVOA_L
ClientSampleId :
V-1DL

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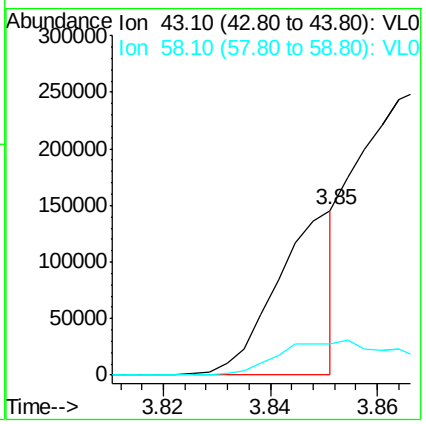
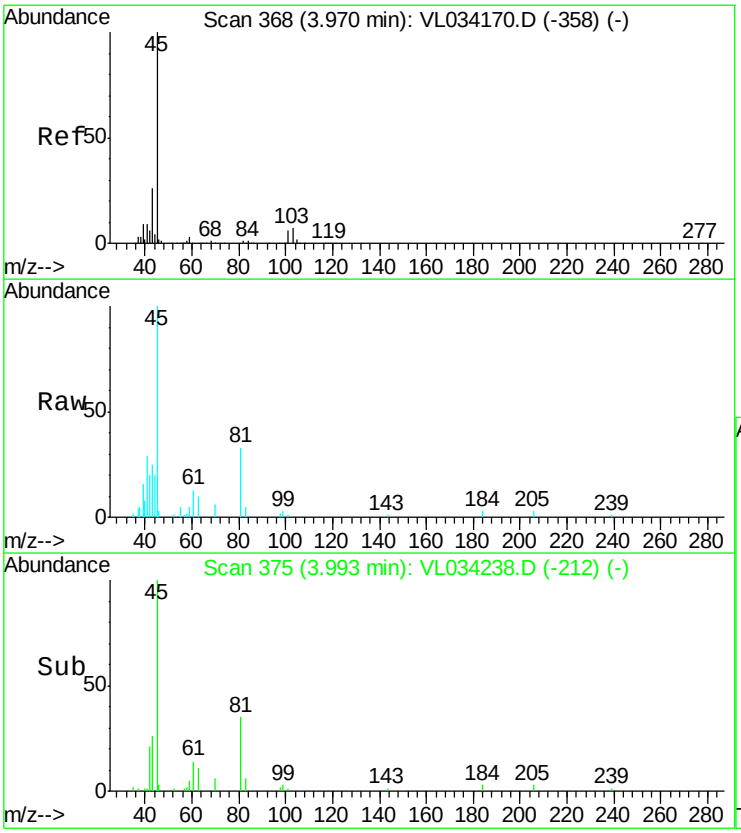
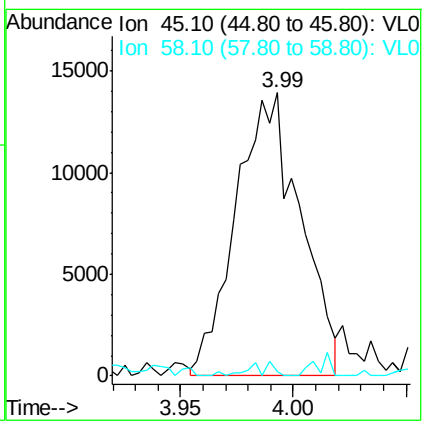


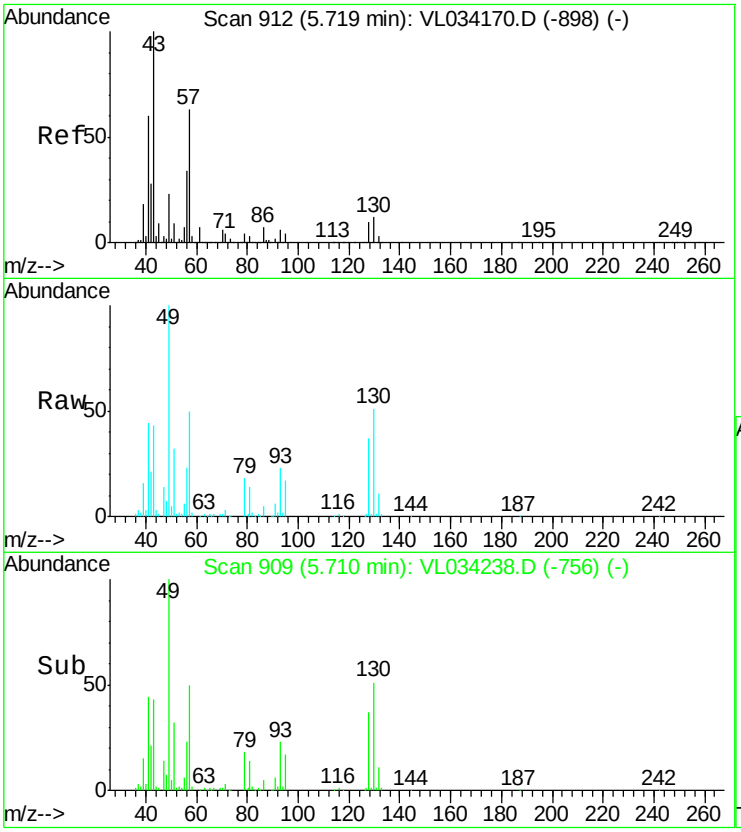


#19
Isopropyl Alcohol
Concen: 0.318 ppbv m
RT: 3.99 min Scan# 375
Delta R.T. 0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 45 Resp: 27602

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#

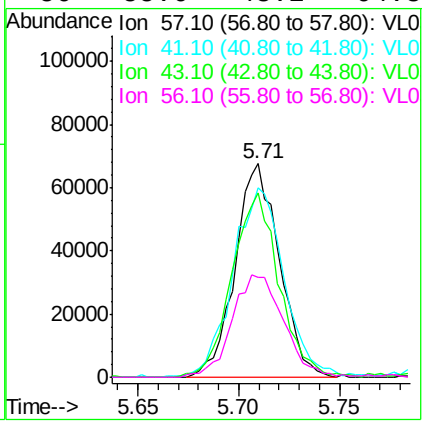




#26
Hexane
Concen: 0.937 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 57 Resp: 104087

Ion	Ratio	Lower	Upper
57	100		
41	102.8	78.5	117.7
43	93.0	189.5	284.3#
56	55.6	43.2	64.8



Instrument :
MSVOA_L
ClientSampleId :
V-1DL

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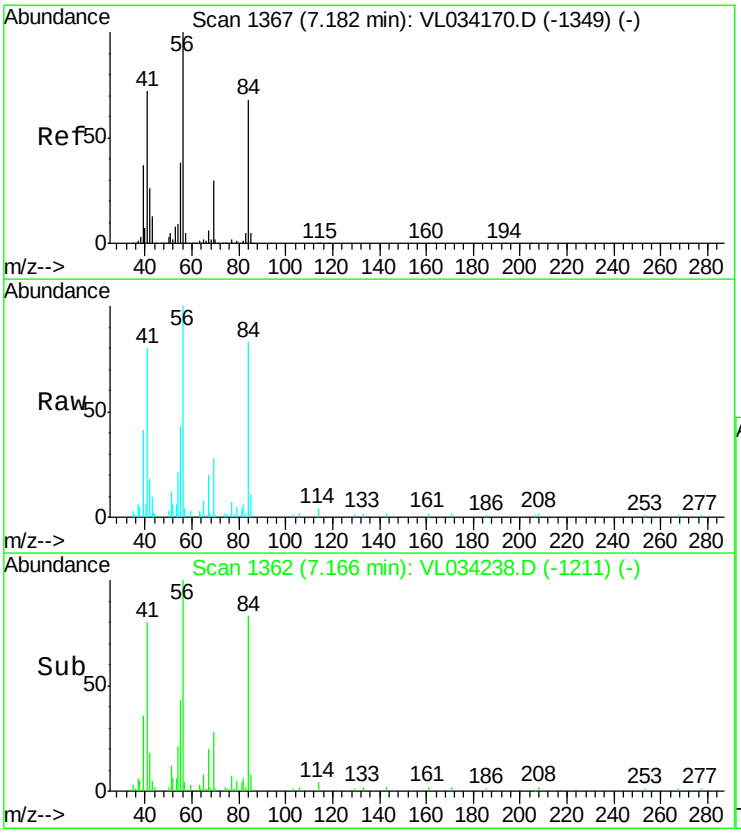
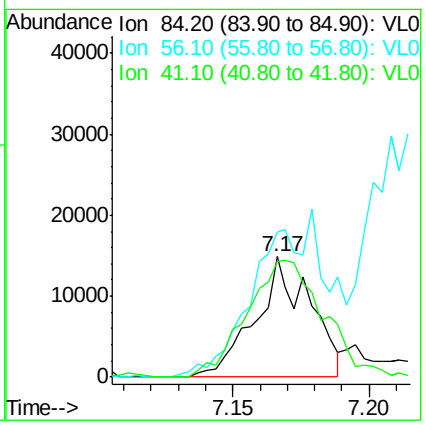
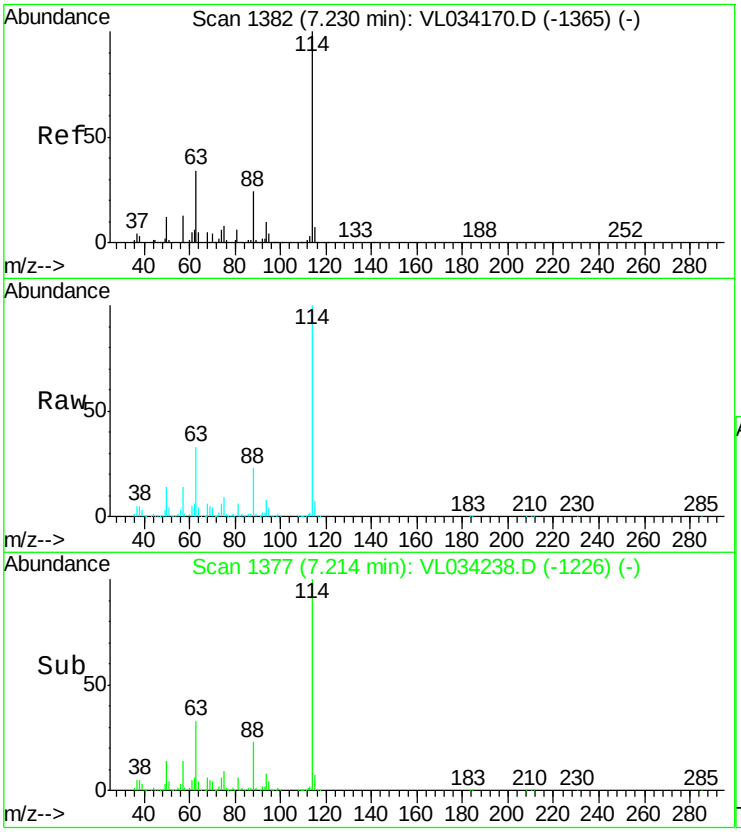


#30
Cyclohexane
Concen: 0.258 ppbv m
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 84 Resp: 20702

Ion	Ratio	Lower	Upper
84	100		
56	0.0	126.2	189.2#
41	0.0	85.8	128.8#

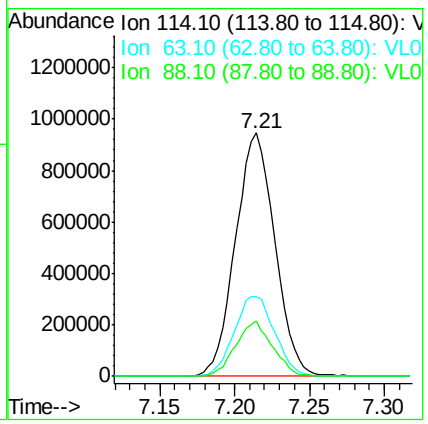




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion:114 Resp: 1734817

Ion	Ratio	Lower	Upper
114	100		
63	34.1	27.8	41.6
88	21.3	17.1	25.7



Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
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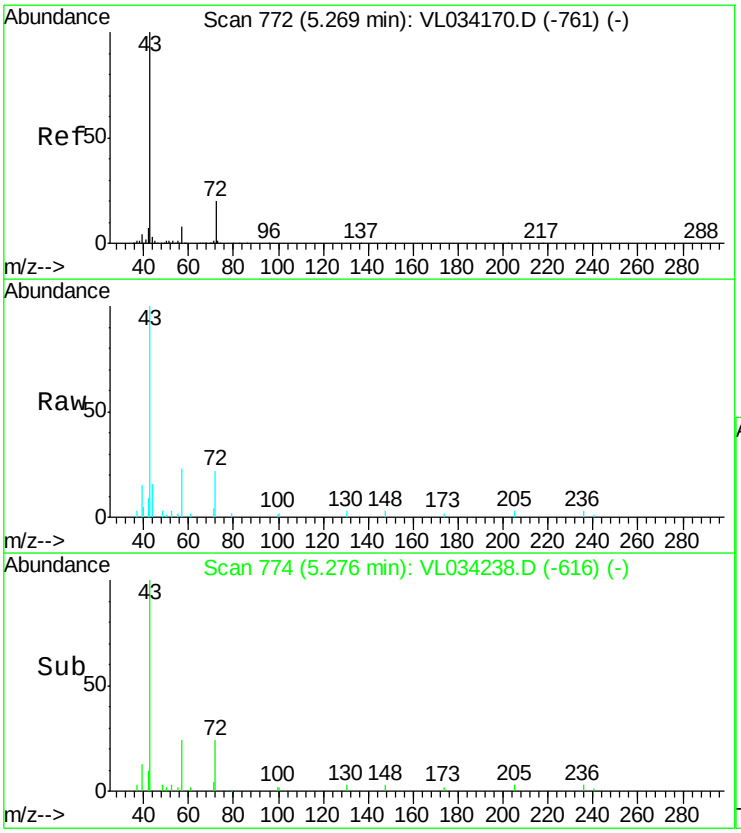
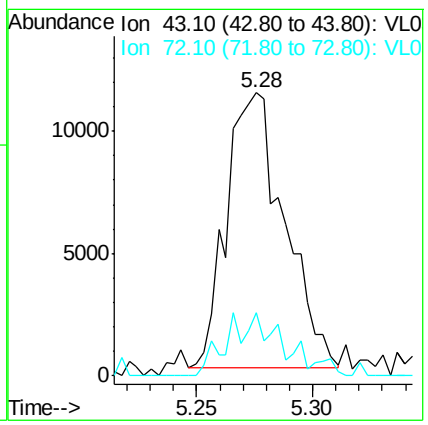
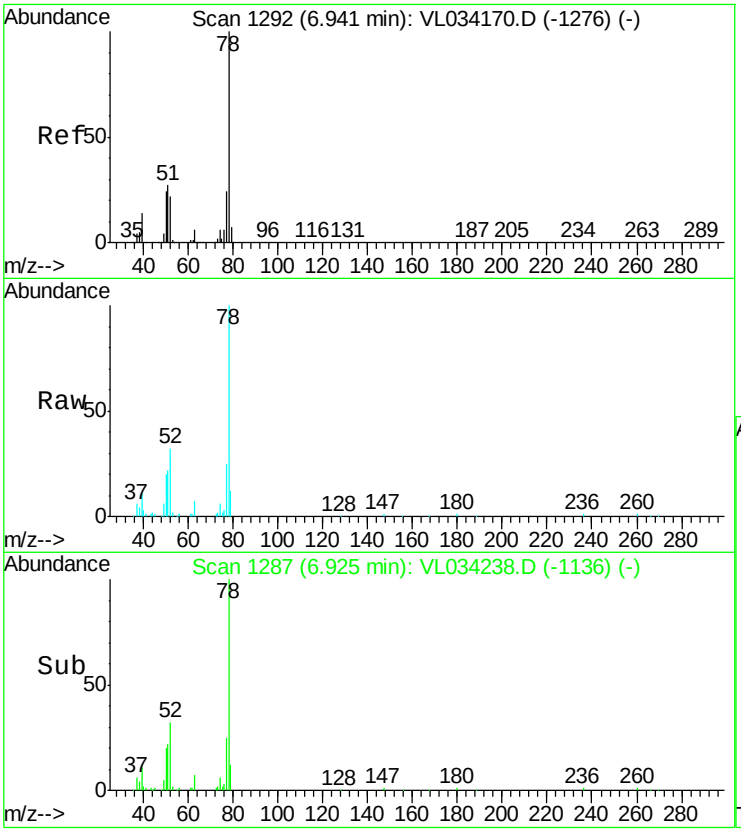


#34
2-Butanone
Concen: 0.109 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.01 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 43 Resp: 19392

Ion	Ratio	Lower	Upper
43	100		
72	22.9	15.0	22.6#

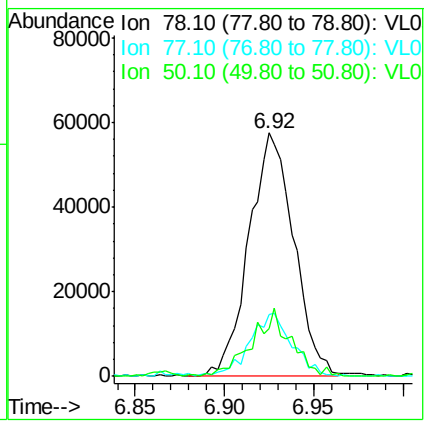




#36
Benzene
Concen: 0.529 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 78 Resp: 101400

Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.4
50	19.2	18.9	28.3



Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
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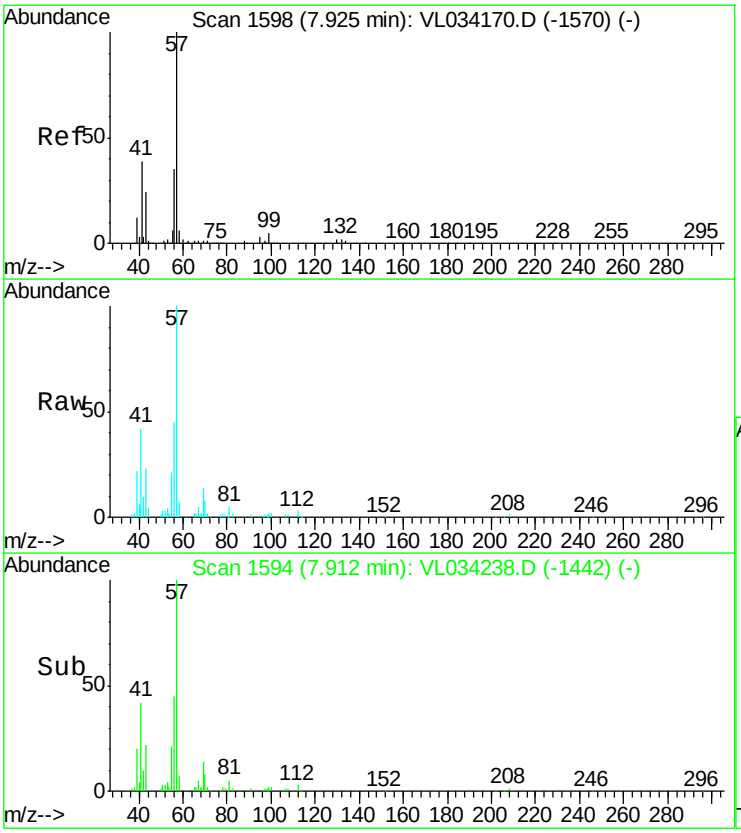
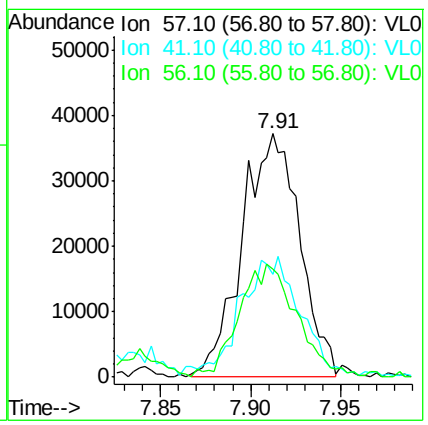
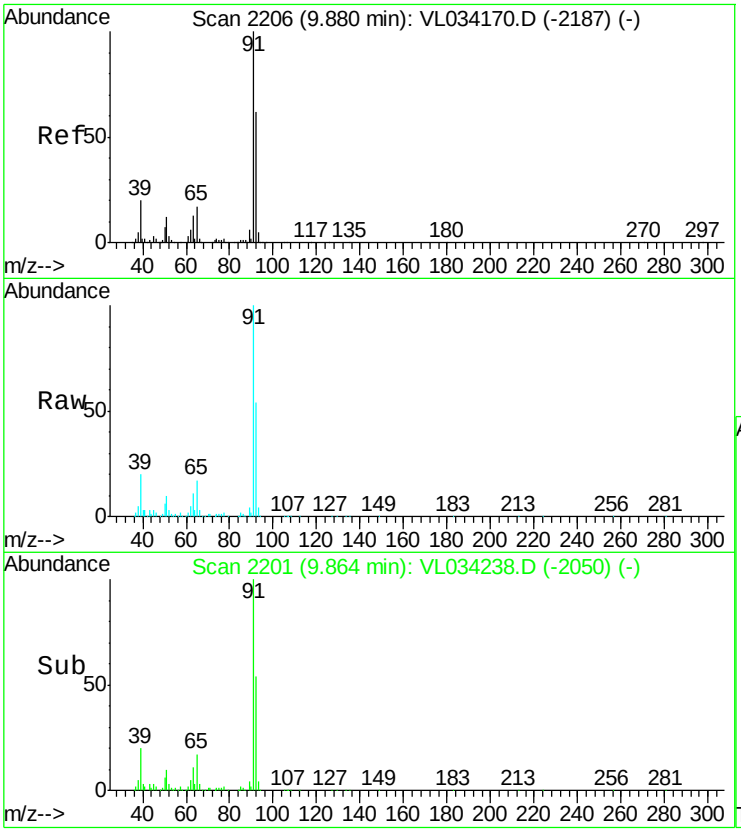


#44
2,2,4-Trimethylpentane
Concen: 0.224 ppbv m
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 57 Resp: 82755

Ion	Ratio	Lower	Upper
57	100		
41	51.0	29.8	44.6#
56	47.0	25.9	38.9#

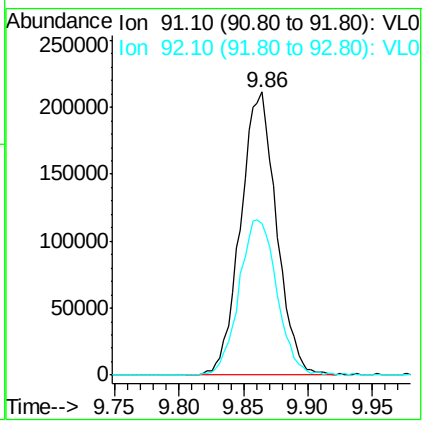




#53
Toluene
Concen: 1.961 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 91 Resp: 410551

Ion	Ratio	Lower	Upper
91	100		
92	58.0	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
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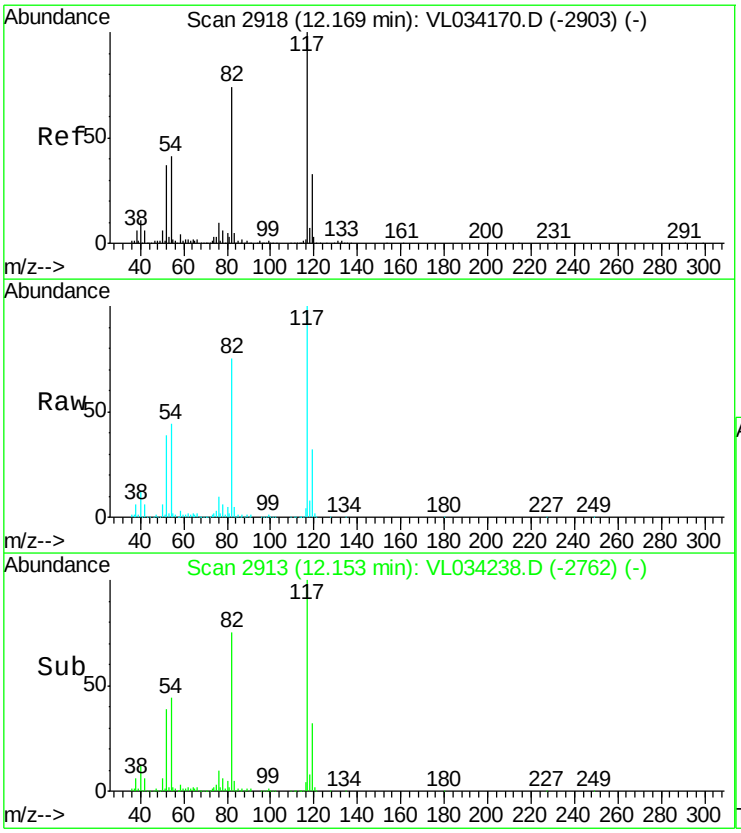
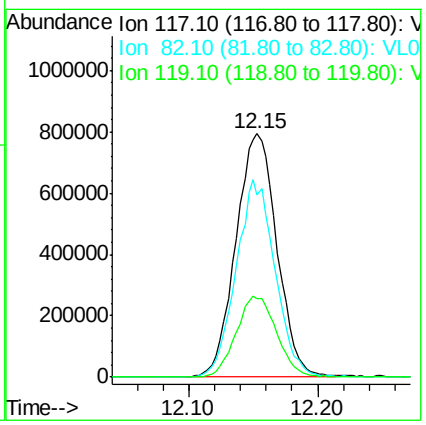
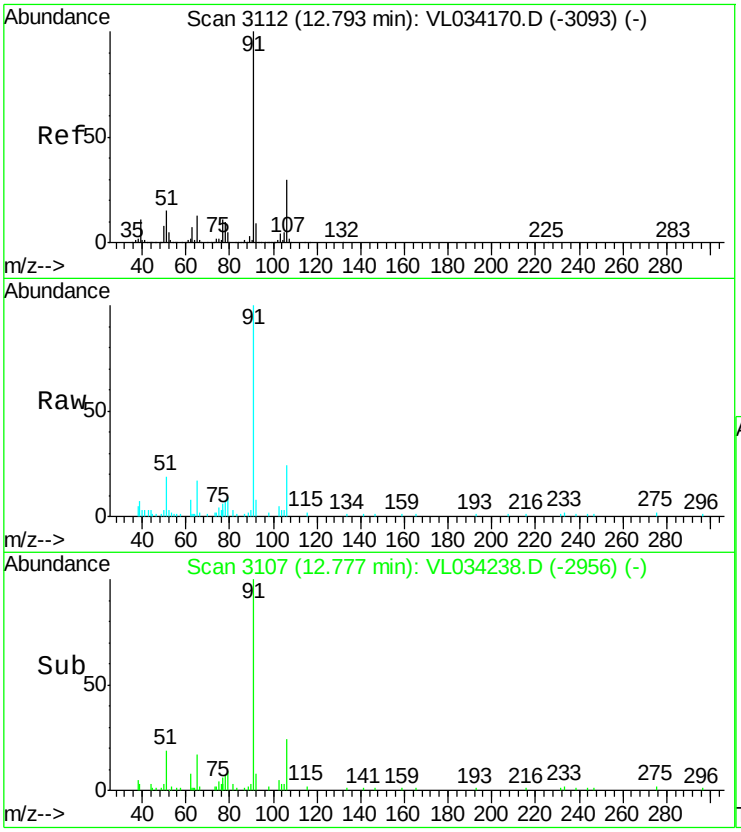


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion:117 Resp: 1753988

Ion	Ratio	Lower	Upper
117	100		
82	77.4	58.2	87.4
119	33.0	23.7	35.5





#58
Ethyl Benzene
Concen: 0.144 ppbv m
RT: 12.78 min Scan# 3107
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 91 Resp: 40882

Ion	Ratio	Lower	Upper
91	100		
106	24.4	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
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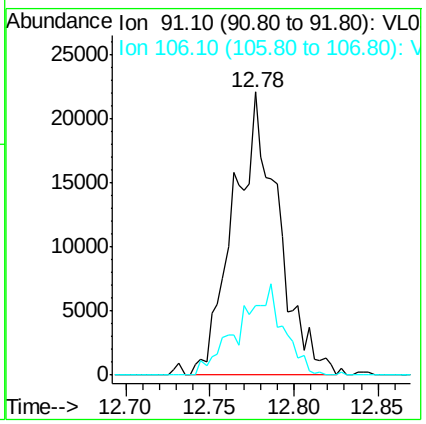
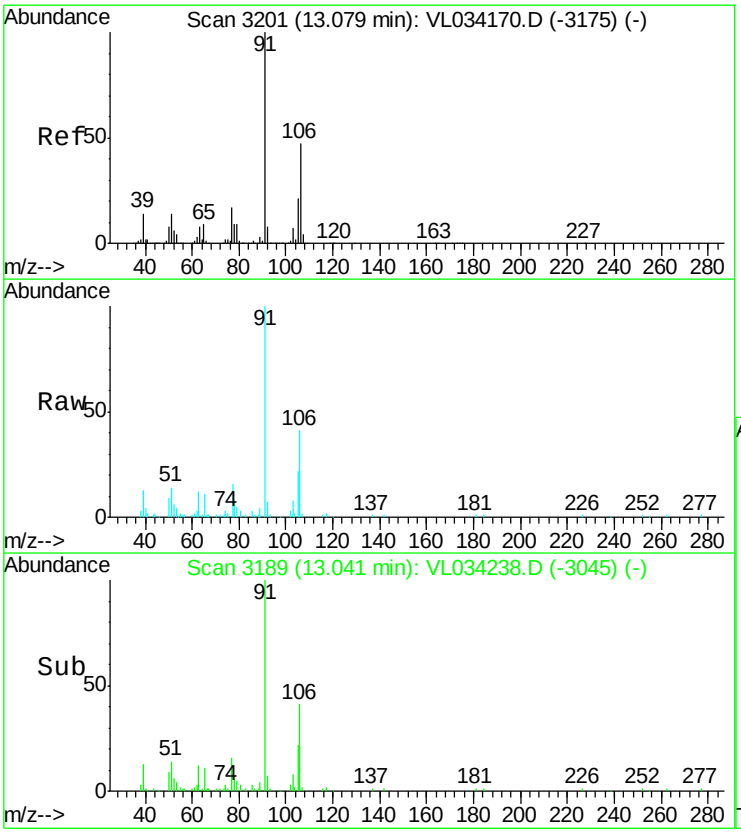
10/11/2019 5:05:52 PM

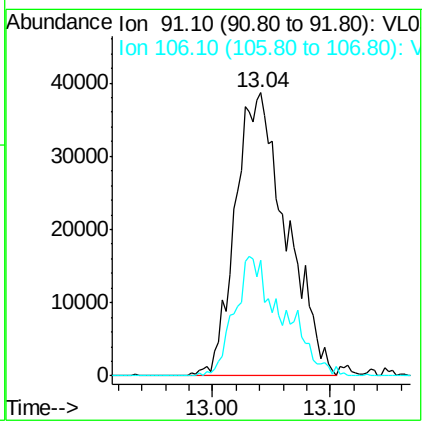


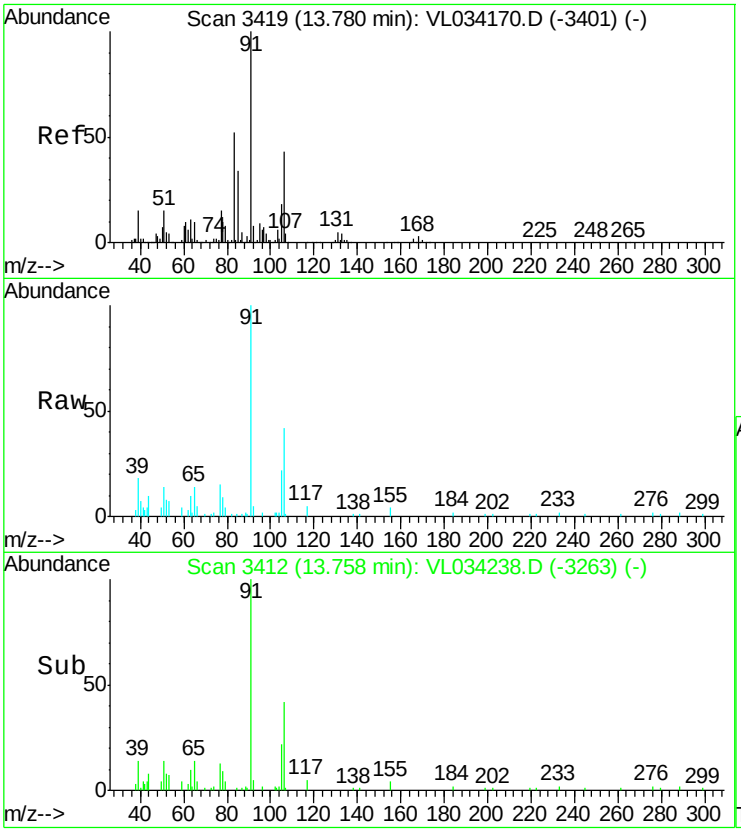


#59
m/p-Xylene
Concen: 0.495 ppbv m
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 91 Resp: 115990

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#





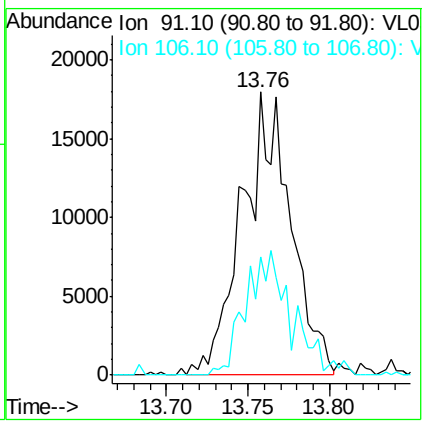
#60
o-Xylene
Concen: 0.158 ppbv m
RT: 13.76 min Scan# 3412
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

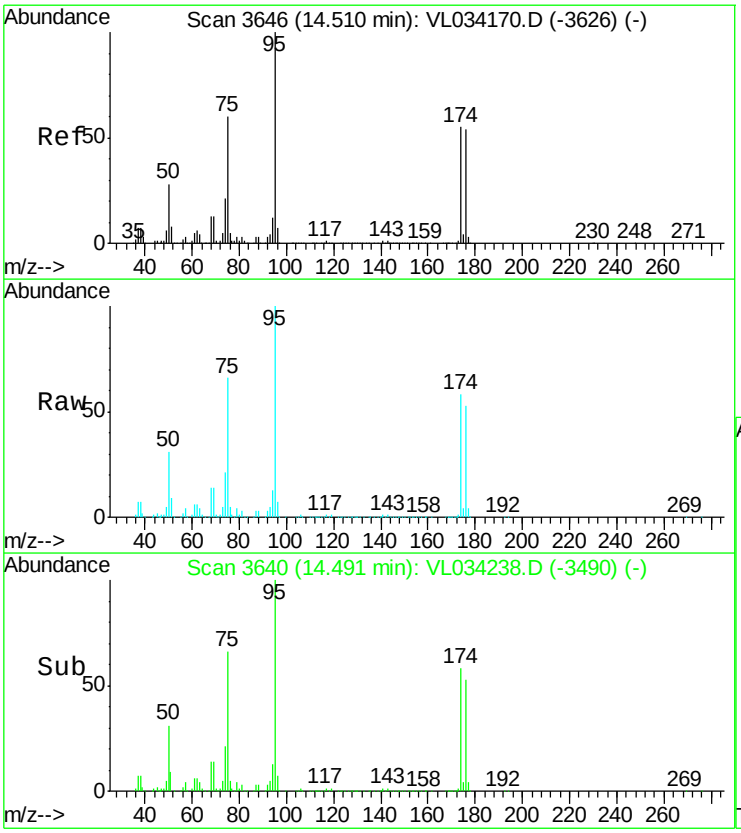
Tgt Ion: 91 Resp: 37006

Ion	Ratio	Lower	Upper
91	100		
106	41.9	21.2	63.6

Instrument :
MSVOA_L
ClientSampleId :
V-1DL

Manual Integrations APPROVED
MMDadoda
10/11/2019 5:05:52 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 10.392 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034238.D
Acq: 8 Oct 2019 1:37

Tgt Ion: 95 Resp: 1583779

Ion	Ratio	Lower	Upper
95	100		
174	54.7	45.1	67.7
175	4.0	3.3	4.9