Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034240.D
Acq On : 8 Oct 2019 2:57
Operator : SY/AP
Sample : K5222-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V-2DL

Manual Integrations APPROVED
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10/11/2019 5:06:02 PM

Quant Time: Oct 10 20:41:03 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	1042502	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1785012	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1764120	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1570415	10.24	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%			
Target Compounds						Qvalue
9) Propene	2.99	41	82082	1.361	ppbv	95
10) Heptane	8.17	43	70066	0.446	ppbv	99
13) Ethanol	3.60	45	164035	11.233	ppbv	94
15) Acetone	3.85	43	171678m	1.229	ppbv	
26) Hexane	5.71	57	110183	1.002	ppbv #	46
30) Cyclohexane	7.16	84	27679	0.349	ppbv #	91
36) Benzene	6.93	78	117318	0.595	ppbv #	92
44) 2,2,4-Trimethylpentane	7.91	57	106036m	0.279	ppbv	
53) Toluene	9.86	91	484133	2.247	ppbv	97
58) Ethyl Benzene	12.77	91	58324m	0.205	ppbv	
59) m/p-Xylene	13.04	91	175913m	0.746	ppbv	
60) o-Xylene	13.76	91	61388m	0.260	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	68599m	0.251	ppbv	

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

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Quant Time: Oct 10 20:41:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
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-2DL

Manual Integrations APPROVED
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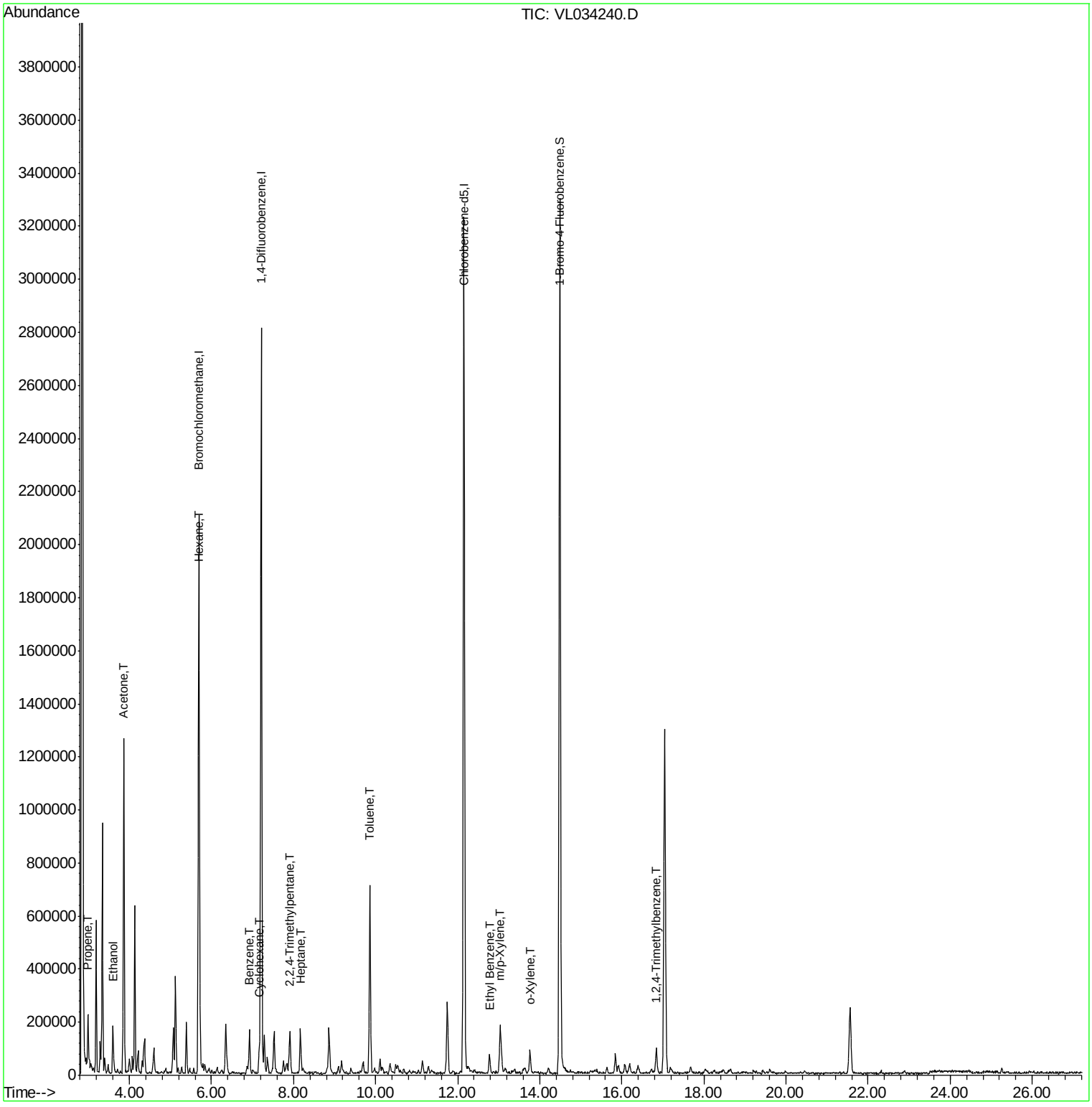
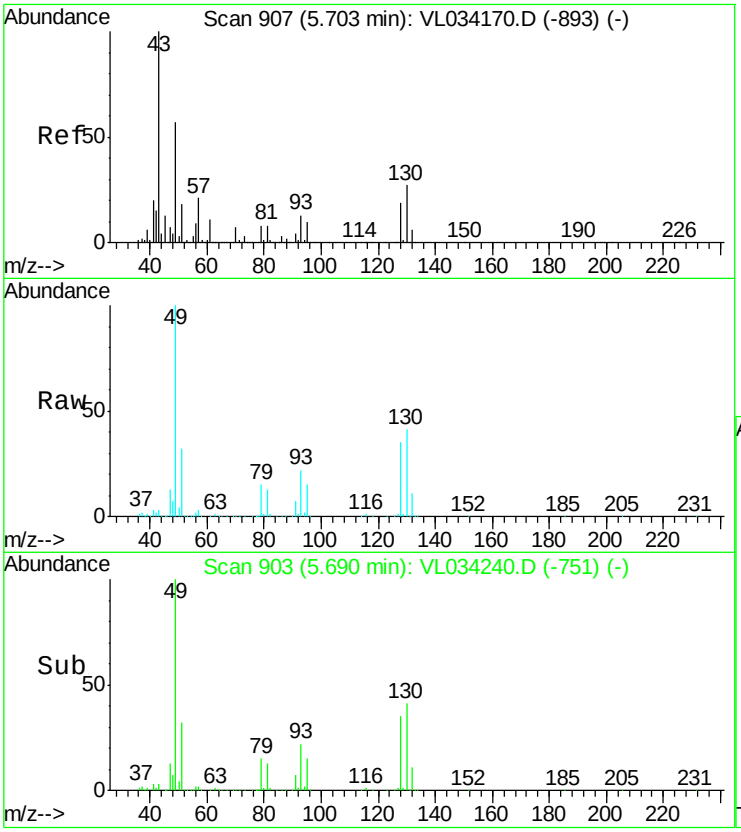
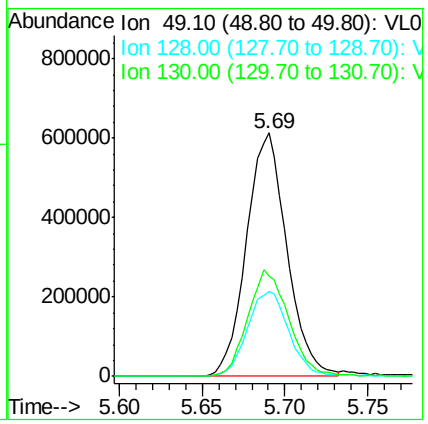




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 49 Resp: 1042502

Ion	Ratio	Lower	Upper
49	100		
128	36.2	17.6	52.9
130	44.7	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
V-2DL

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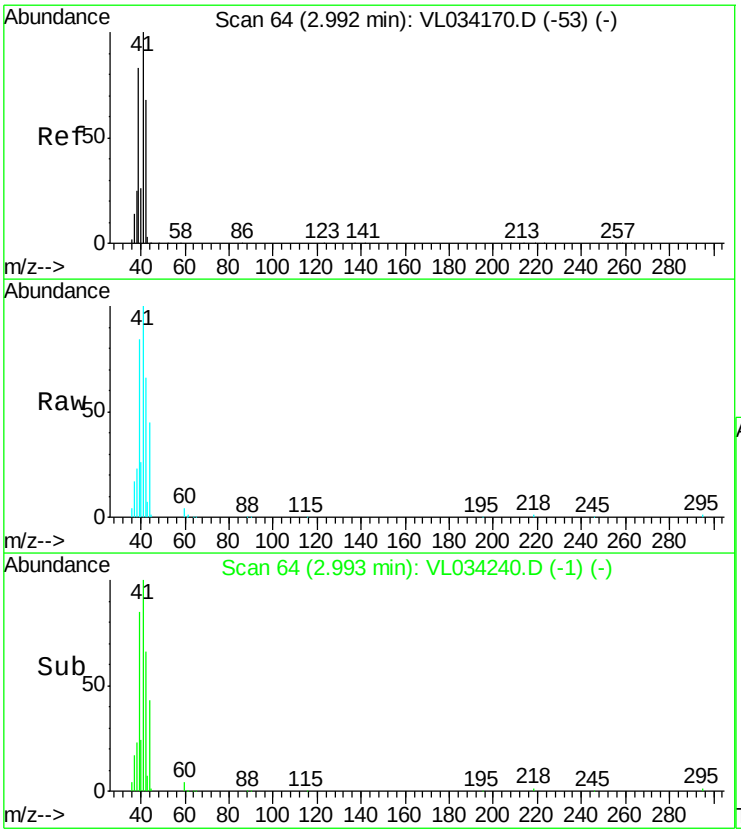
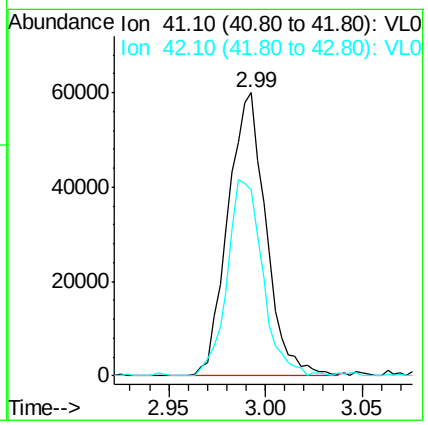
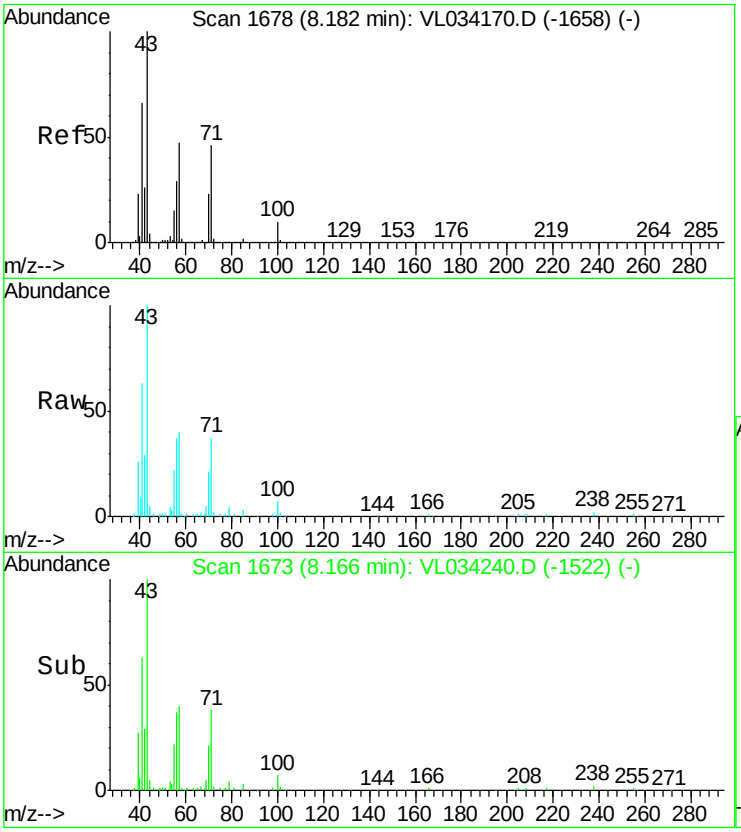


#9
Propene
Concen: 1.361 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 41 Resp: 82082

Ion	Ratio	Lower	Upper
41	100		
42	65.4	55.8	83.6

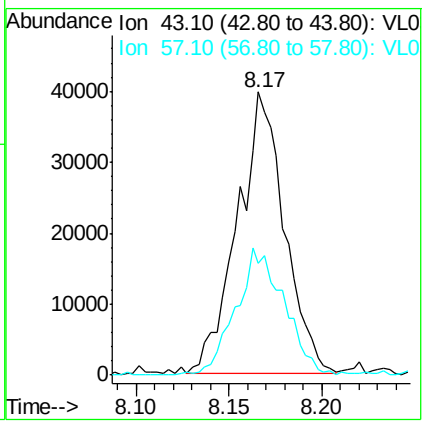




#10
Heptane
Concen: 0.446 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 43 Resp: 70066

Ion	Ratio	Lower	Upper
43	100		
57	46.1	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
V-2DL

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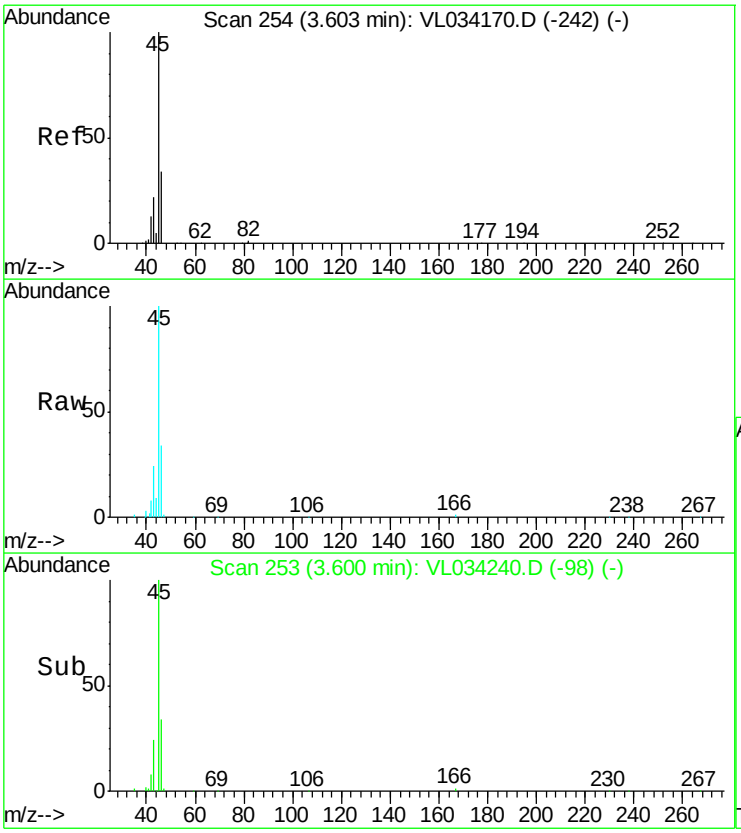
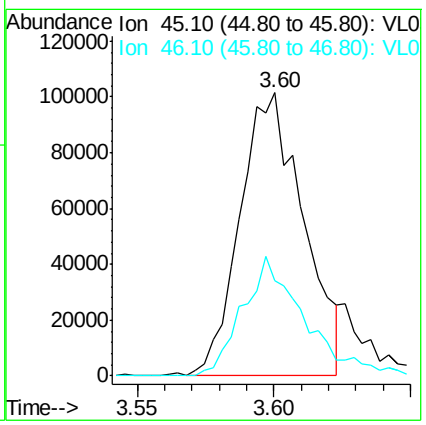
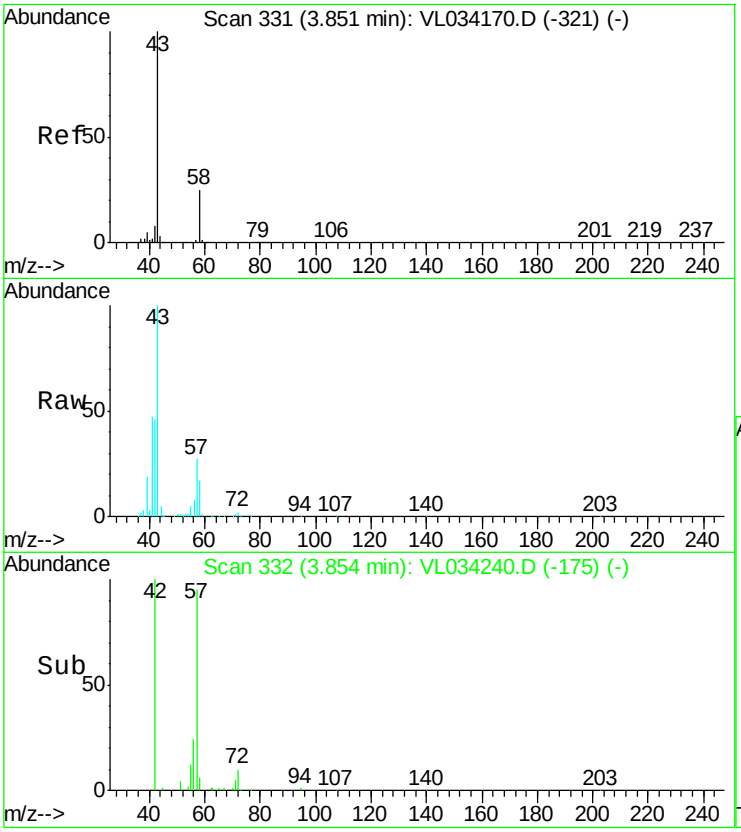


#13
Ethanol
Concen: 11.233 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 45 Resp: 164035

Ion	Ratio	Lower	Upper
45	100		
46	42.4	15.5	61.9





#15
Acetone
Concen: 1.229 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 43 Resp: 171678

Ion	Ratio	Lower	Upper
43	100		
58	37.3	20.5	30.7#

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

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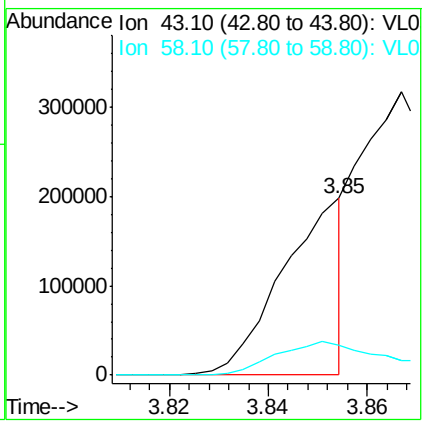
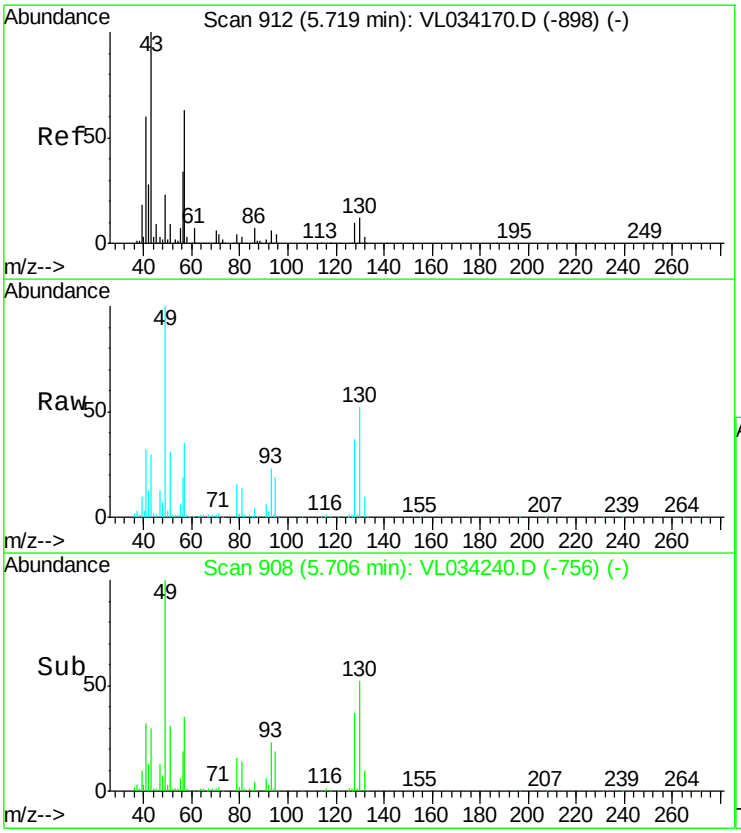
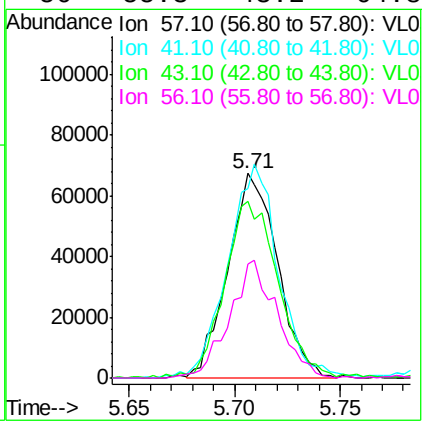


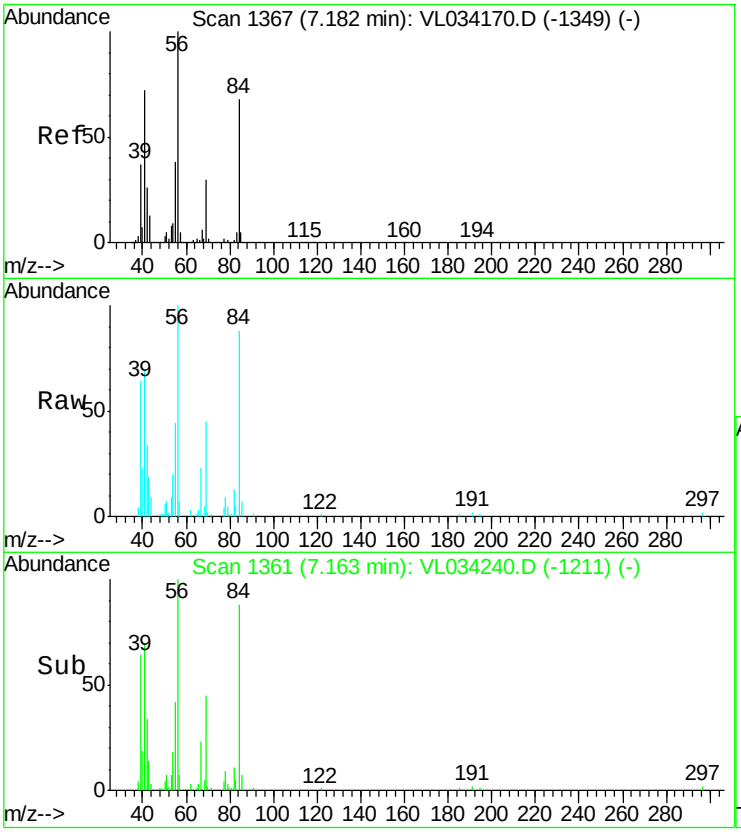


#26
Hexane
Concen: 1.002 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 57 Resp: 110183

Ion	Ratio	Lower	Upper
57	100		
41	107.4	78.5	117.7
43	94.6	189.5	284.3#
56	55.3	43.2	64.8

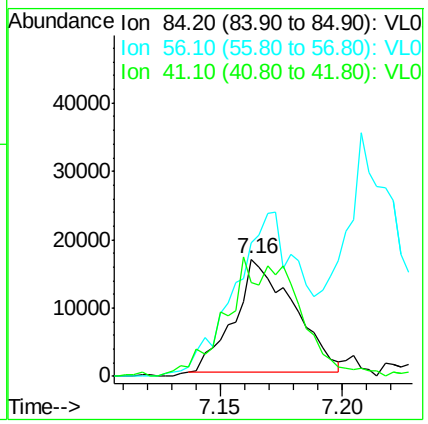




#30
Cyclohexane
Concen: 0.349 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 84 Resp: 27679

Ion	Ratio	Lower	Upper
84	100		
56	159.2	126.2	189.2
41	129.1	85.8	128.8#



Instrument :
MSVOA_L
ClientSampleId :
V-2DL

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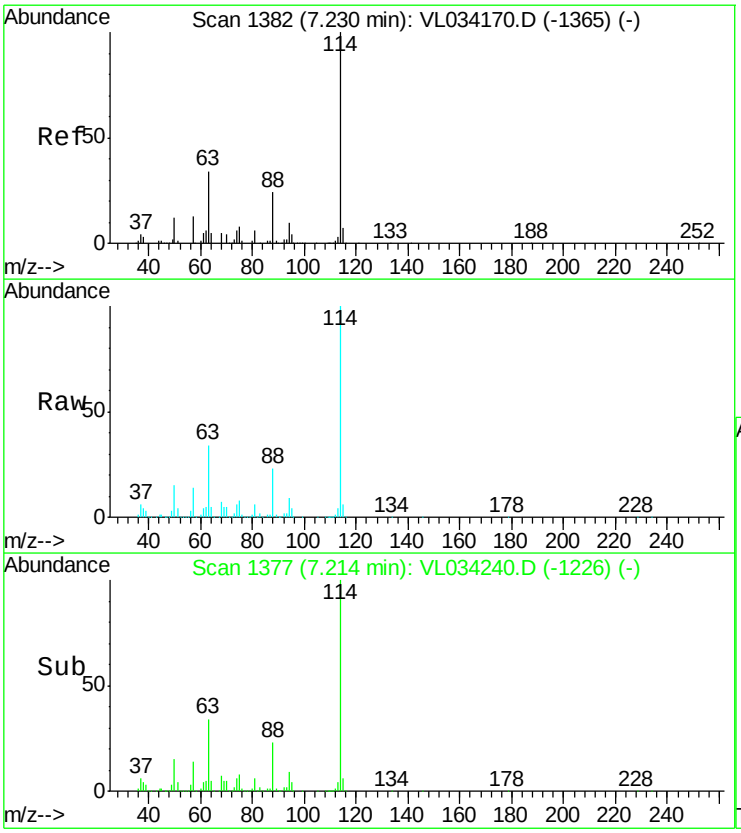
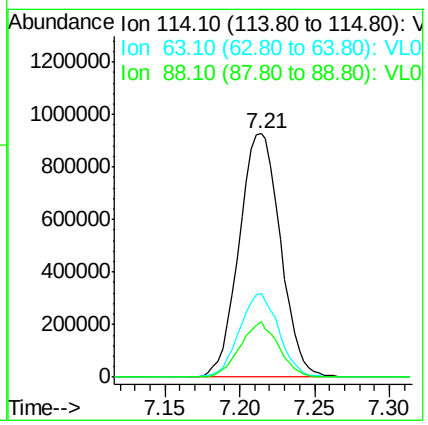
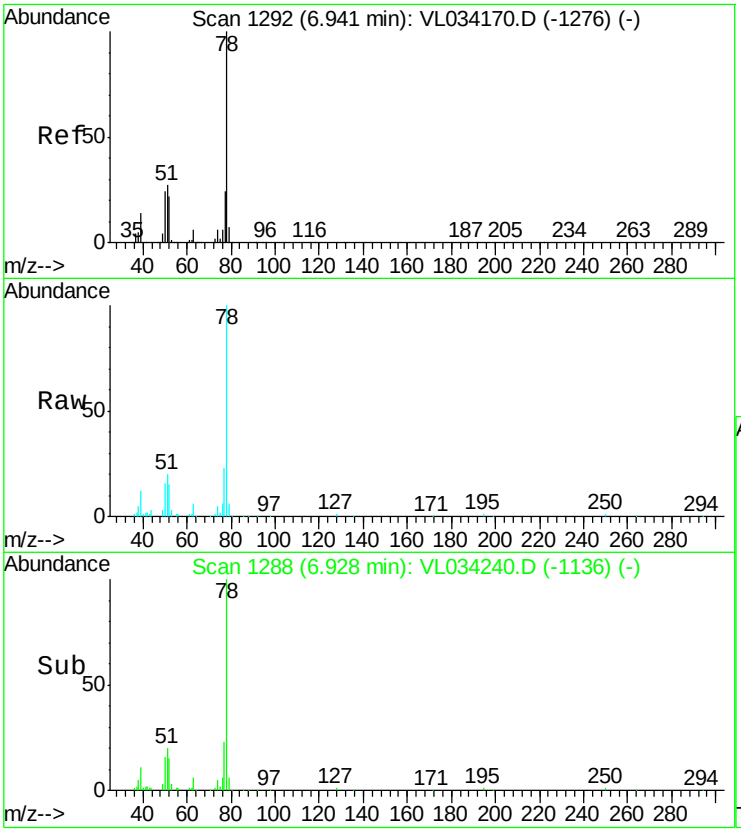


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion:114 Resp: 1785012

Ion	Ratio	Lower	Upper
114	100		
63	33.0	27.8	41.6
88	21.1	17.1	25.7

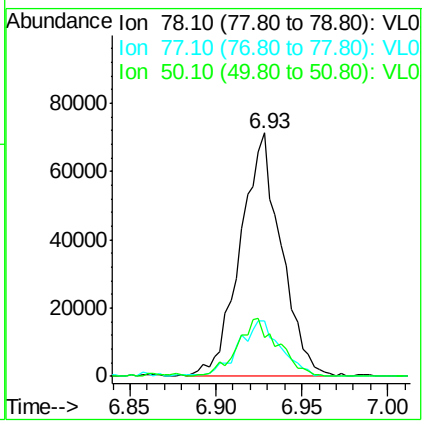




#36
Benzene
Concen: 0.595 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 78 Resp: 117318

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4
50	16.2	18.9	28.3#



Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Manual Integrations APPROVED
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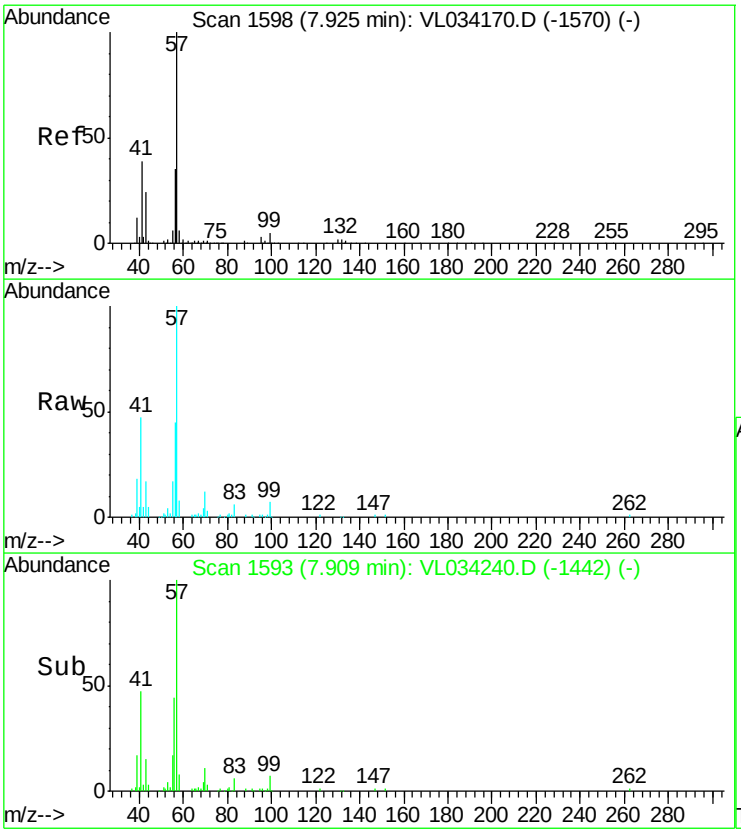
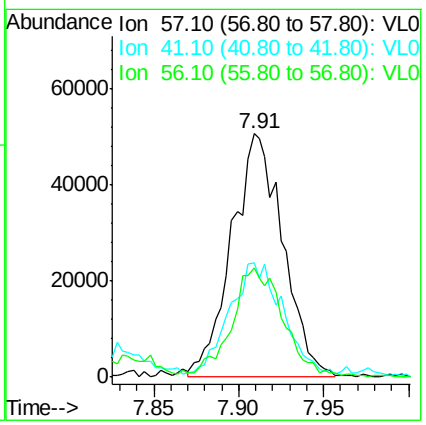
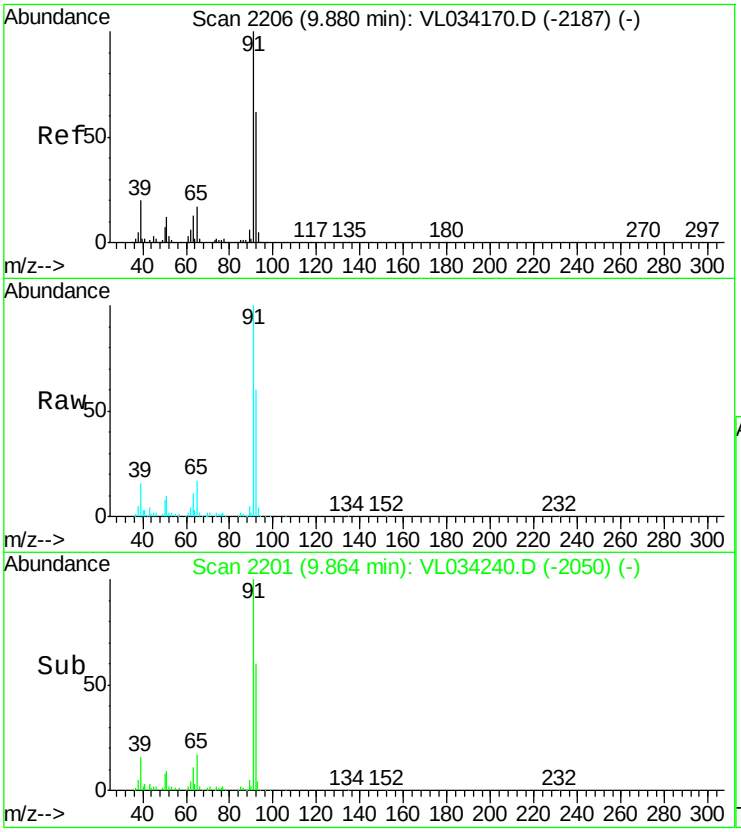


#44
2,2,4-Trimethylpentane
Concen: 0.279 ppbv m
RT: 7.91 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 57 Resp: 106036

Ion	Ratio	Lower	Upper
57	100		
41	49.9	29.8	44.6#
56	45.7	25.9	38.9#





#53
Toluene
Concen: 2.247 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 91 Resp: 484133

Ion	Ratio	Lower	Upper
91	100		
92	58.7	49.0	73.6

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Manual Integrations APPROVED
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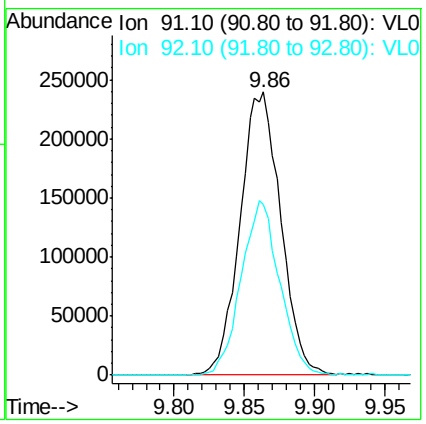
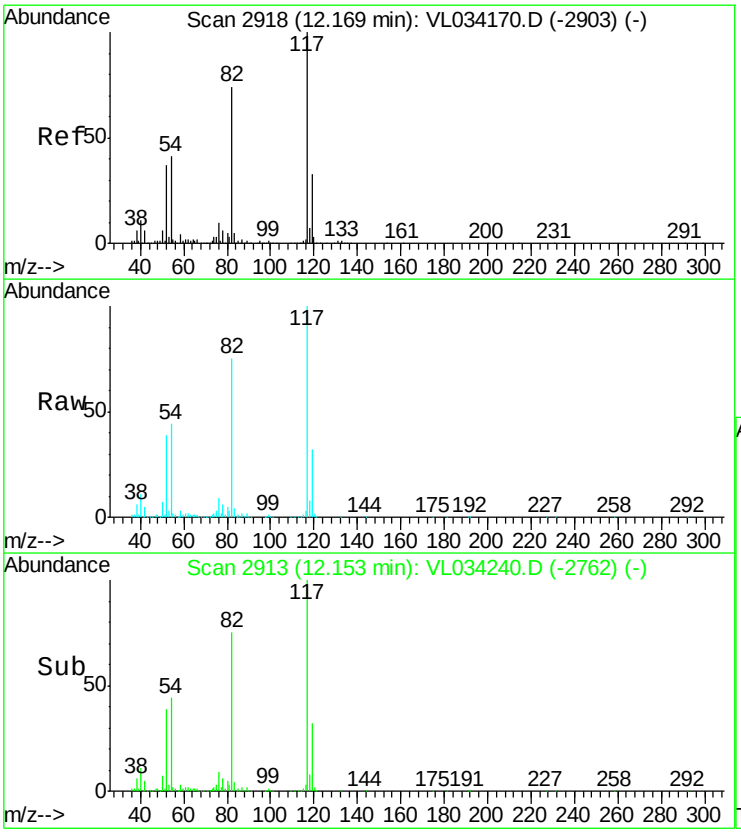
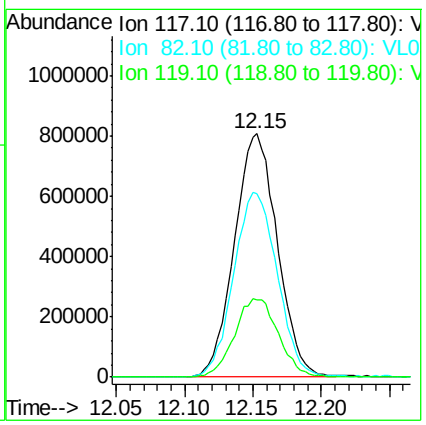


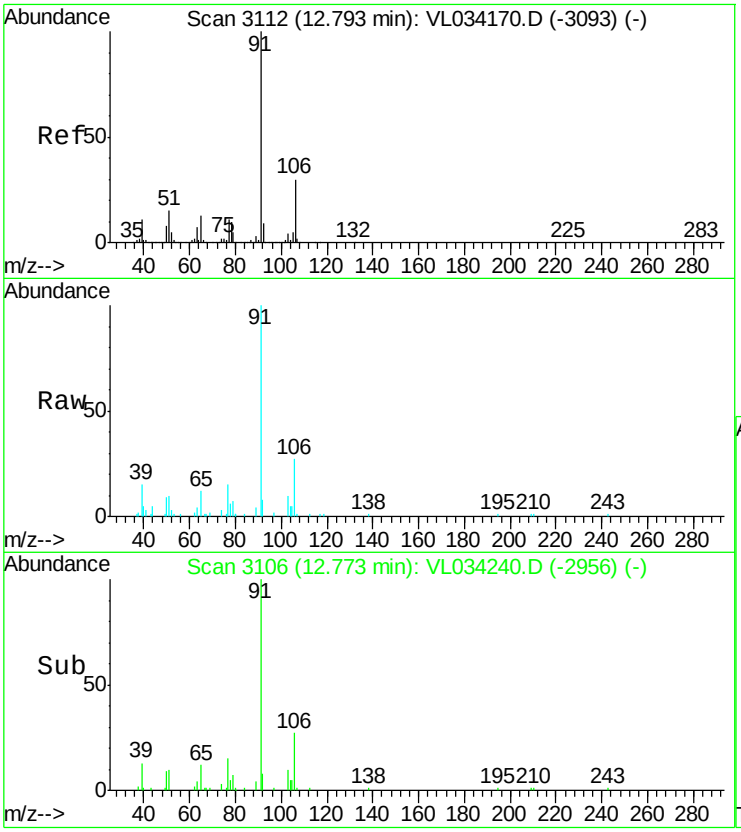


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion:117 Resp: 1764120

Ion	Ratio	Lower	Upper
117	100		
82	77.3	58.2	87.4
119	32.9	23.7	35.5





#58
Ethyl Benzene
Concen: 0.205 ppbv m
RT: 12.77 min Scan# 3106
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 91 Resp: 58324

Ion	Ratio	Lower	Upper
91	100		
106	26.7	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Manual Integrations APPROVED
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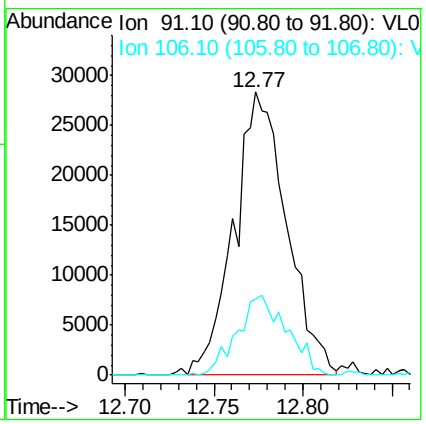
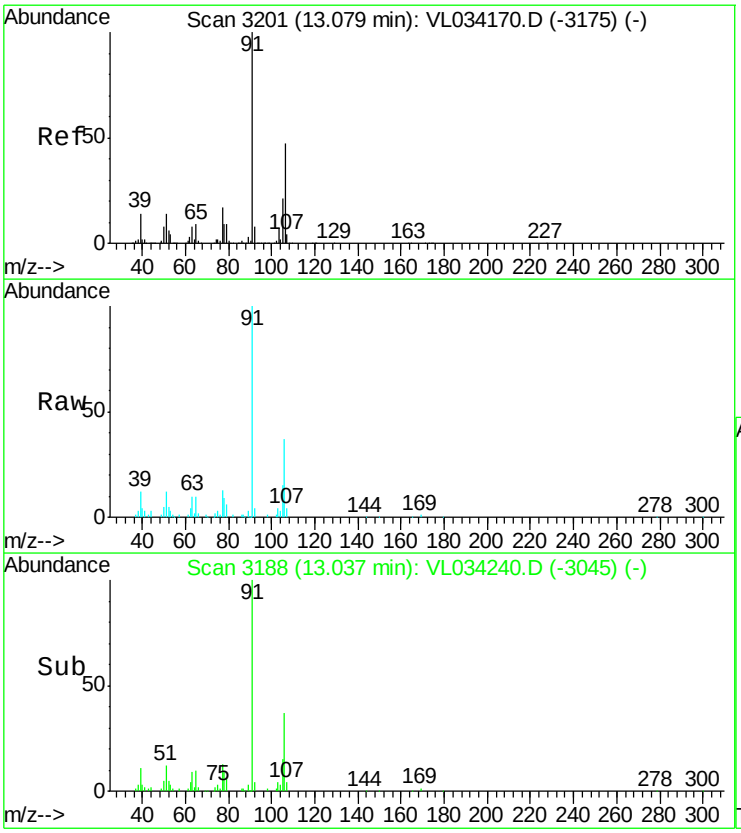
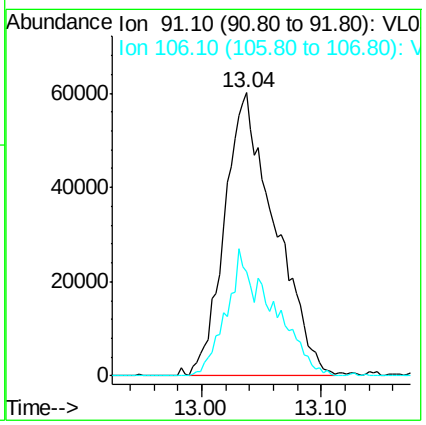


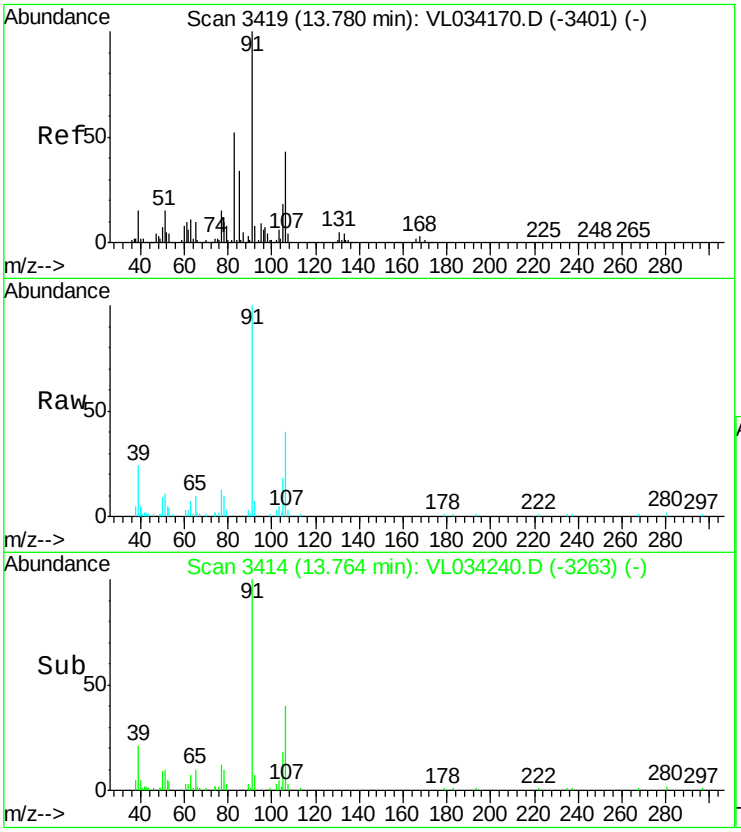


#59
m/p-Xylene
Concen: 0.746 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 91 Resp: 175913

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#





#60
o-Xylene
Concen: 0.260 ppbv m
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 91 Resp: 61388

Ion	Ratio	Lower	Upper
91	100		
106	40.5	21.2	63.6

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

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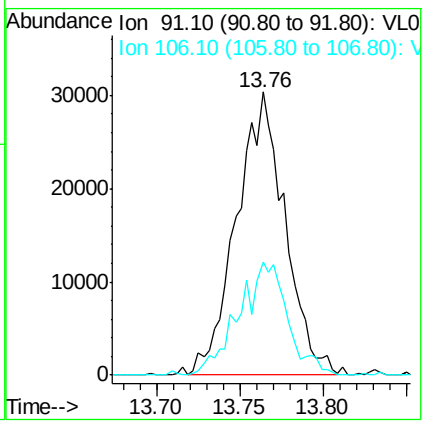
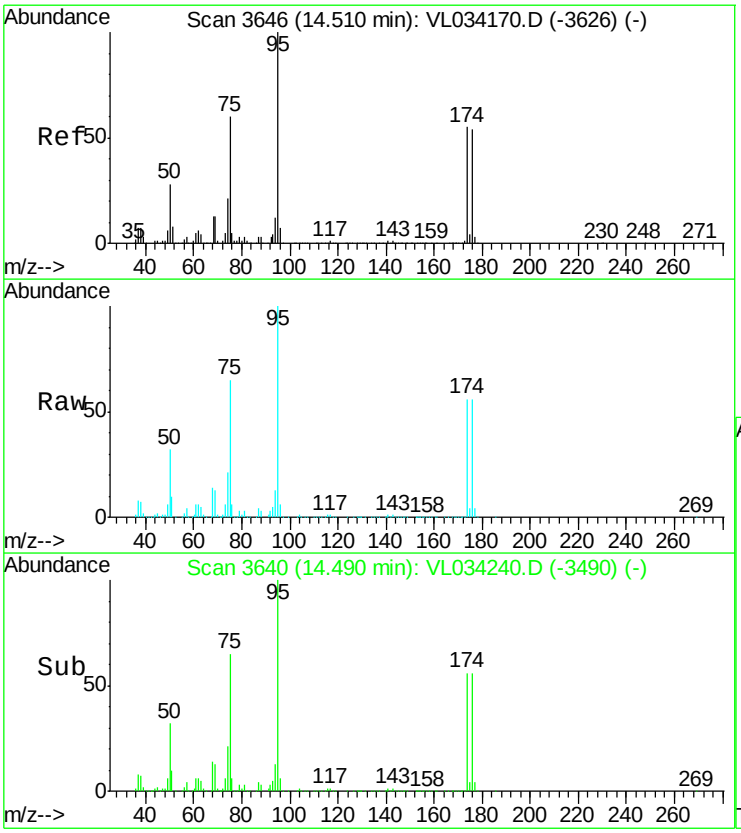
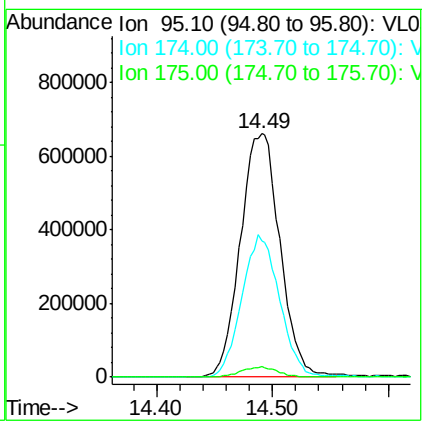


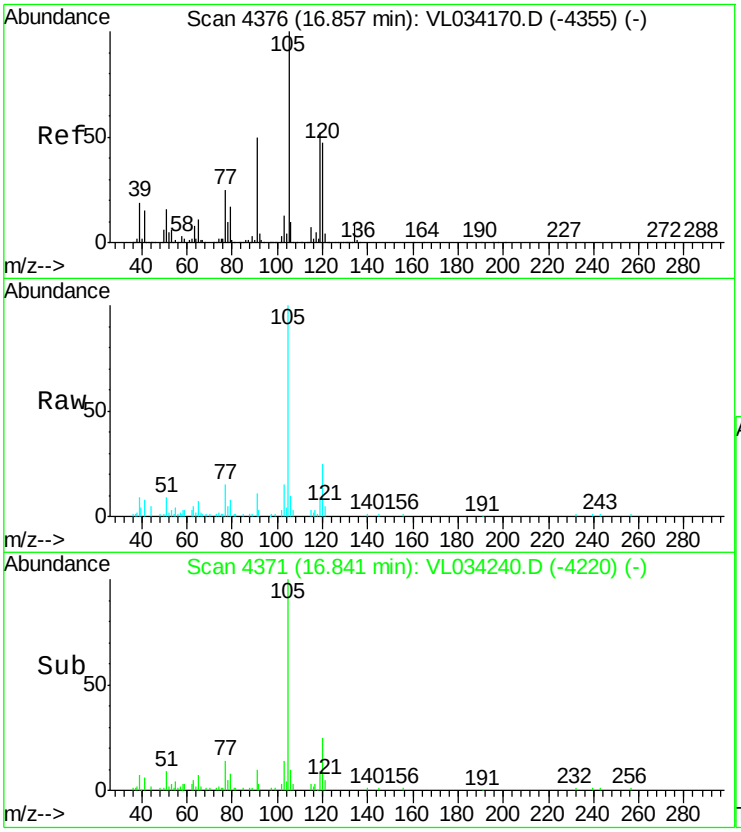


#68
1-Bromo-4-Fluorobenzene
Concen: 10.245 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 95 Resp: 1570415

Ion	Ratio	Lower	Upper
95	100		
174	56.4	45.1	67.7
175	3.8	3.3	4.9

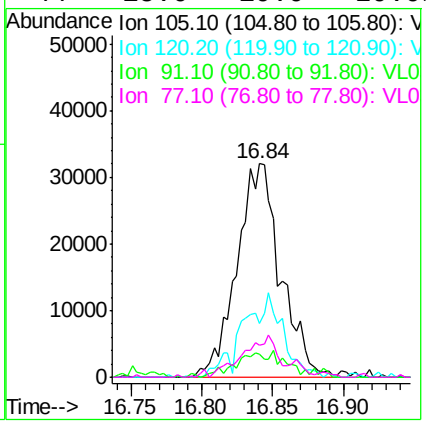




#74
1,2,4-Trimethylbenzene
Concen: 0.251 ppbv m
RT: 16.84 min Scan# 4371
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion:105 Resp: 68599

Ion	Ratio	Lower	Upper
105	100		
120	25.1	37.5	56.3#
91	10.6	41.1	61.7#
77	15.0	19.9	29.9#



Instrument :
MSVOA_L
ClientSampleId :
V-2DL

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