Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\
Data File : VL032730.D
Acq On : 7 Nov 2018 23:37
Operator : SY/AP
Sample : J5823-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

Quant Time: Nov 12 03:10:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 2
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1480924	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3760504	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3668871	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2712068	9.93	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.30%				
Target Compounds							Qvalue
9) Propene	3.05	41	16800	0.352	ppbv		92
13) Ethanol	3.66	45	2713525	199.197	ppbv		98
15) Acetone	3.92	43	285354	2.087	ppbv		96
17) tert-Butyl alcohol	4.38	59	93862m	2.334	ppbv		
19) Isopropyl Alcohol	4.04	45	423247	4.346	ppbv	#	98
26) Hexane	5.79	57	28943m	0.194	ppbv		
34) 2-Butanone	5.34	43	38014m	0.189	ppbv		
36) Benzene	7.01	78	83865	0.275	ppbv	#	92
44) 2,2,4-Trimethylpentane	8.00	57	106069	0.203	ppbv	#	85
53) Toluene	9.96	91	564127	1.612	ppbv		98
58) Ethyl Benzene	12.88	91	54011	0.127	ppbv		95
59) m/p-Xylene	13.13	91	213509m	0.563	ppbv		
60) o-Xylene	13.87	91	69670m	0.190	ppbv		
74) 1,2,4-Trimethylbenzene	16.94	105	49317m	0.122	ppbv		

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

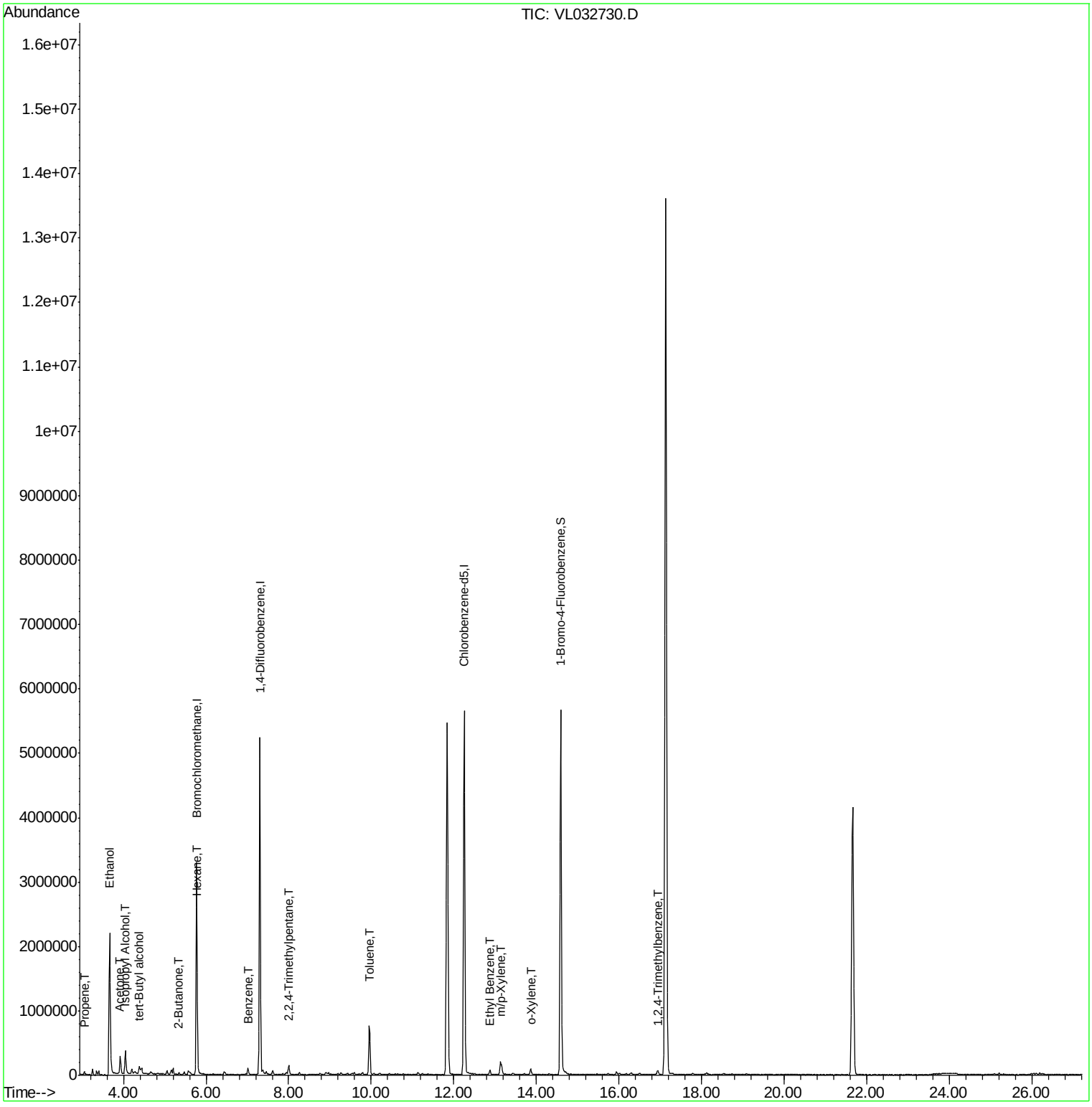
Quantitation Report (QT Reviewed)

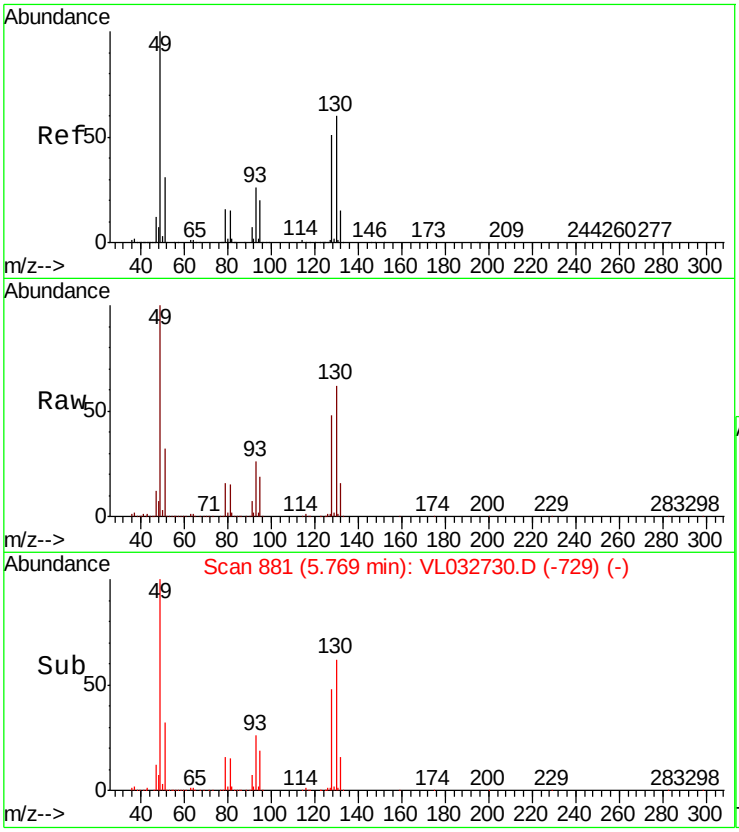
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\
Data File : VL032730.D
Acq On : 7 Nov 2018 23:37
Operator : SY/AP
Sample : J5823-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 03:10:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

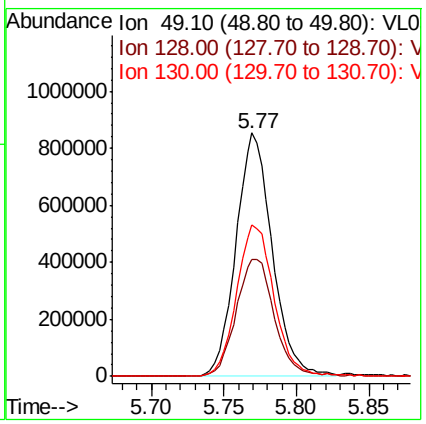




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

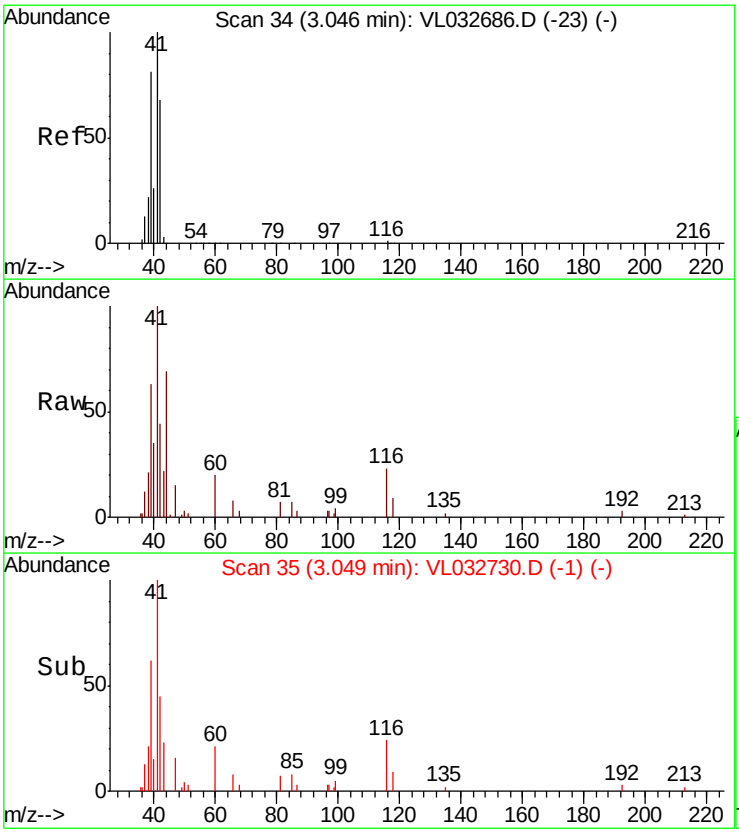
Tgt Ion: 49 Resp: 1480924

Ion	Ratio	Lower	Upper
49	100		
128	51.2	22.3	66.8
130	64.8	28.4	85.3



Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

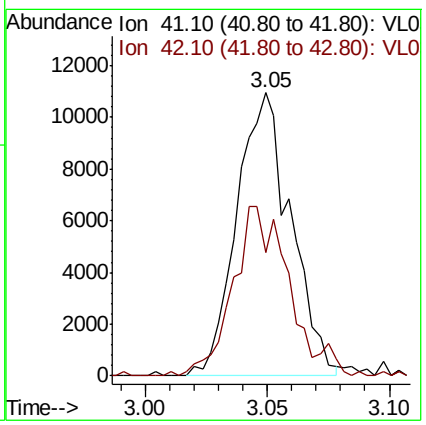
Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

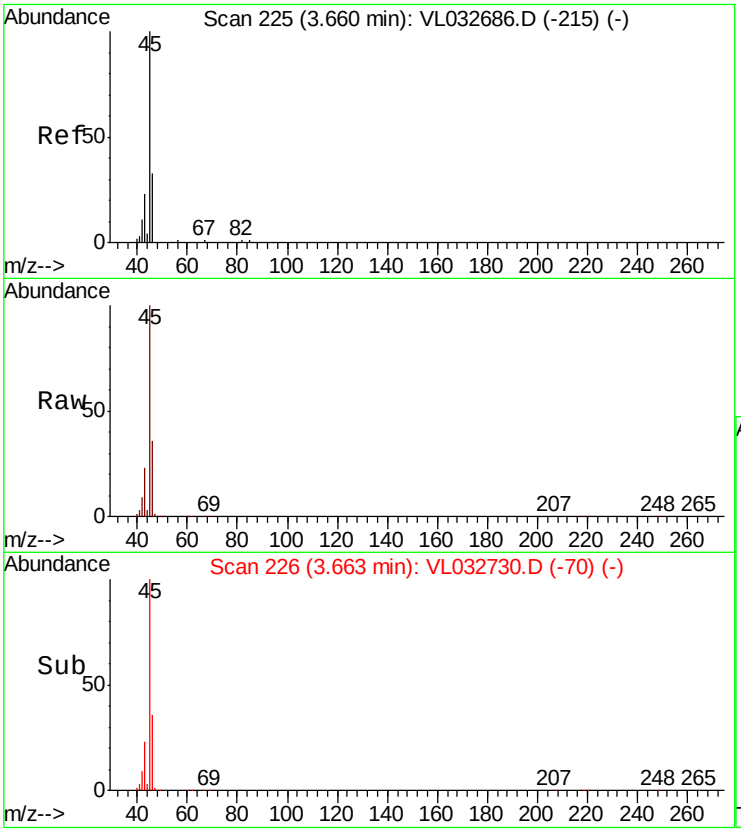


#9
Propene
Concen: 0.352 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 41 Resp: 16800

Ion	Ratio	Lower	Upper
41	100		
42	62.5	55.4	83.0

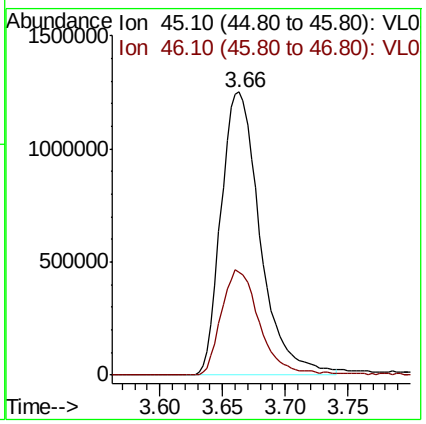




#13
Ethanol
Concen: 199.197 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

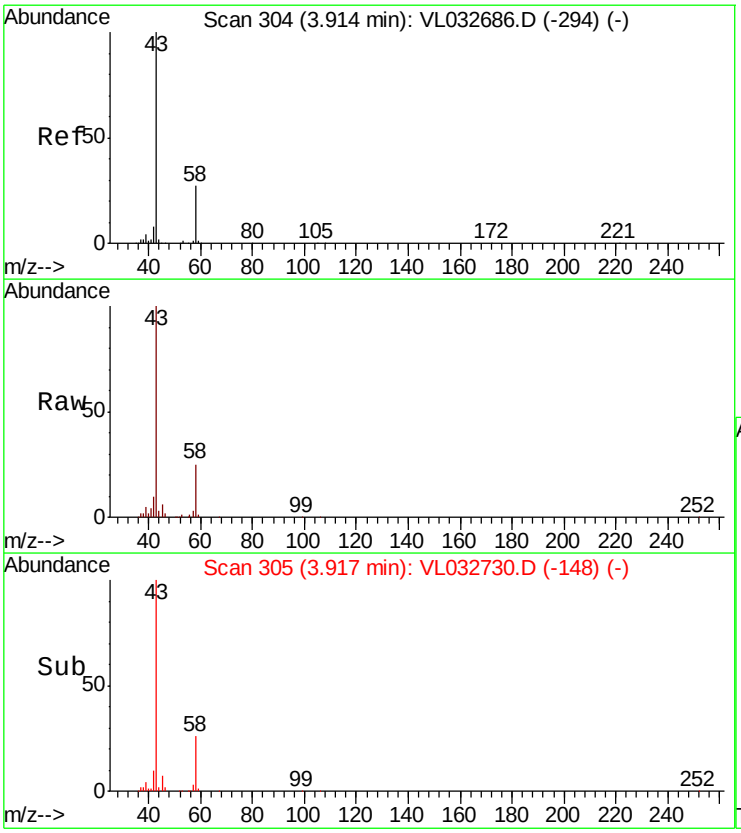
Tgt Ion: 45 Resp: 2713525

Ion	Ratio	Lower	Upper
45	100		
46	37.3	15.4	61.8



Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

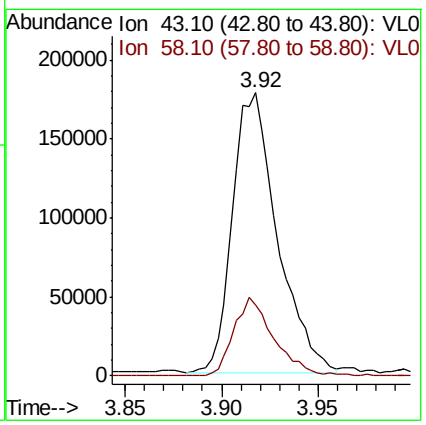
Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

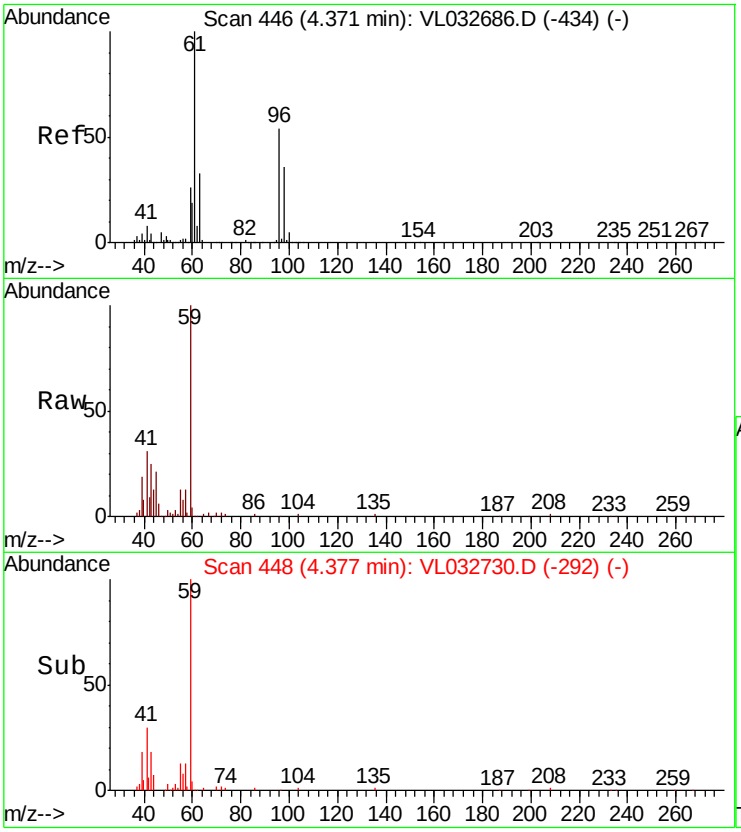


#15
Acetone
Concen: 2.087 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 43 Resp: 285354

Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.1	33.1





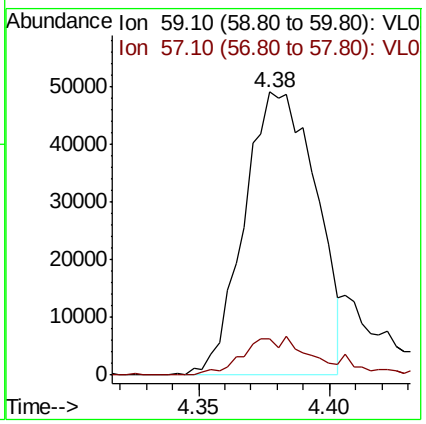
#17
tert-Butyl alcohol
Concen: 2.334 ppbv m
RT: 4.38 min Scan# 448
Delta R.T. 0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

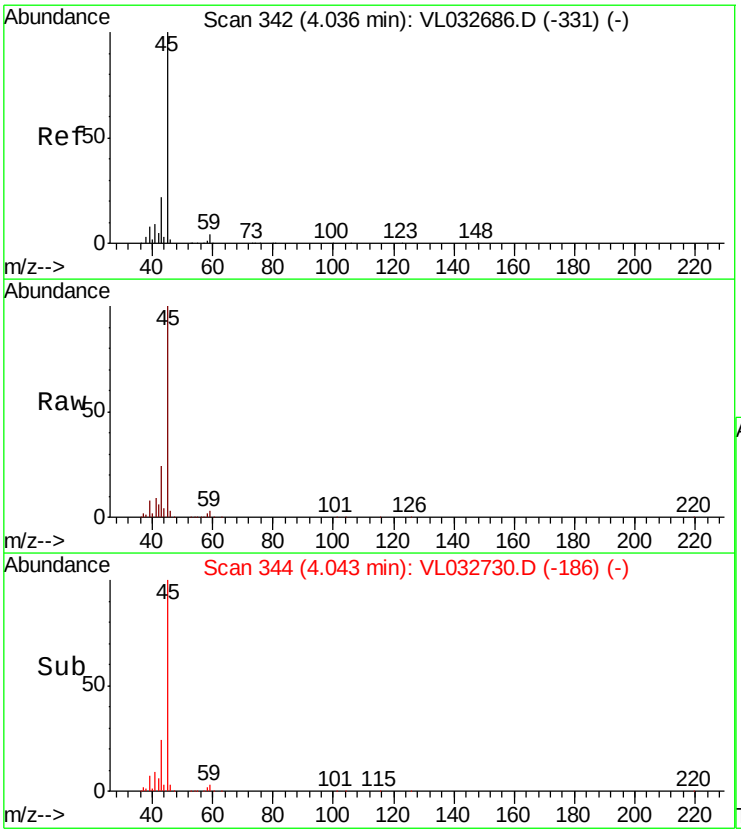
Tgt Ion: 59 Resp: 93862

Ion	Ratio	Lower	Upper
59	100		
57	14.8	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

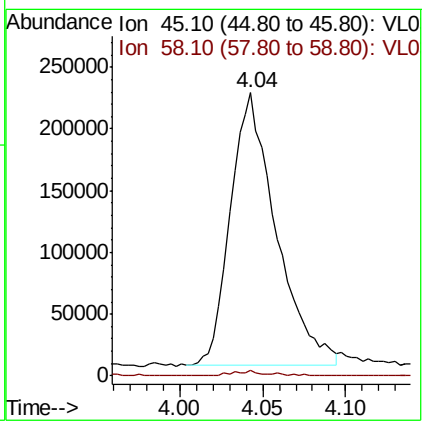


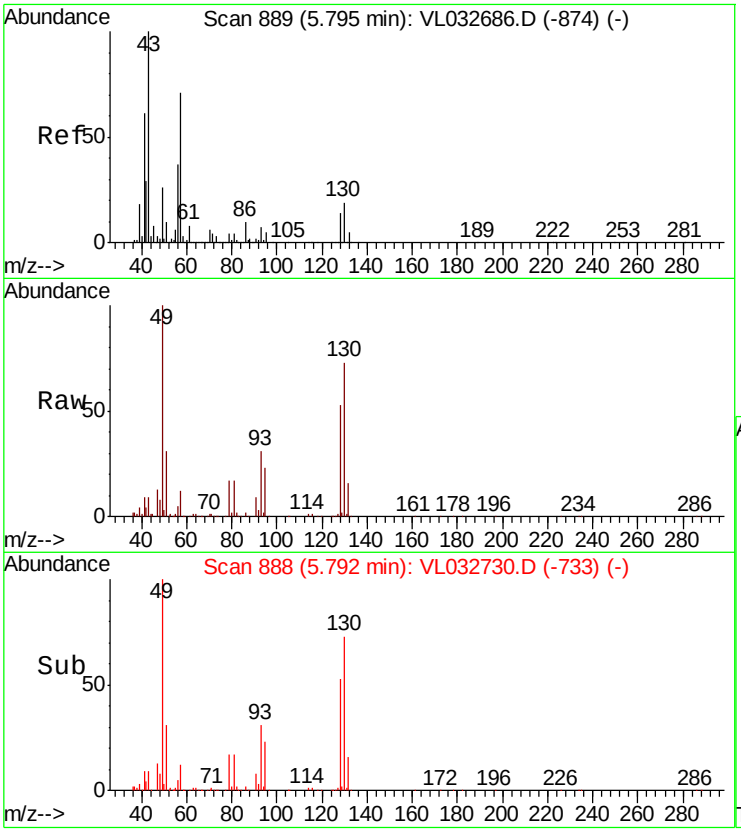


#19
Isopropyl Alcohol
Concen: 4.346 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 45 Resp: 423247

Ion	Ratio	Lower	Upper
45	100		
58	1.8	2.0	3.0#

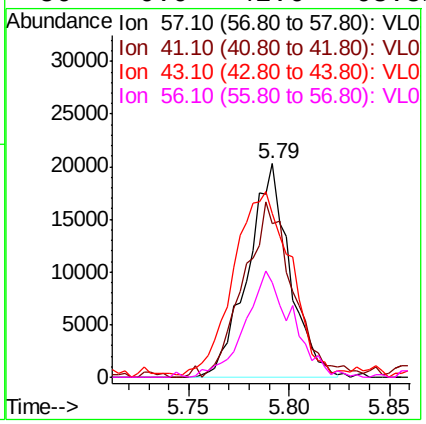




#26
Hexane
Concen: 0.194 ppbv m
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

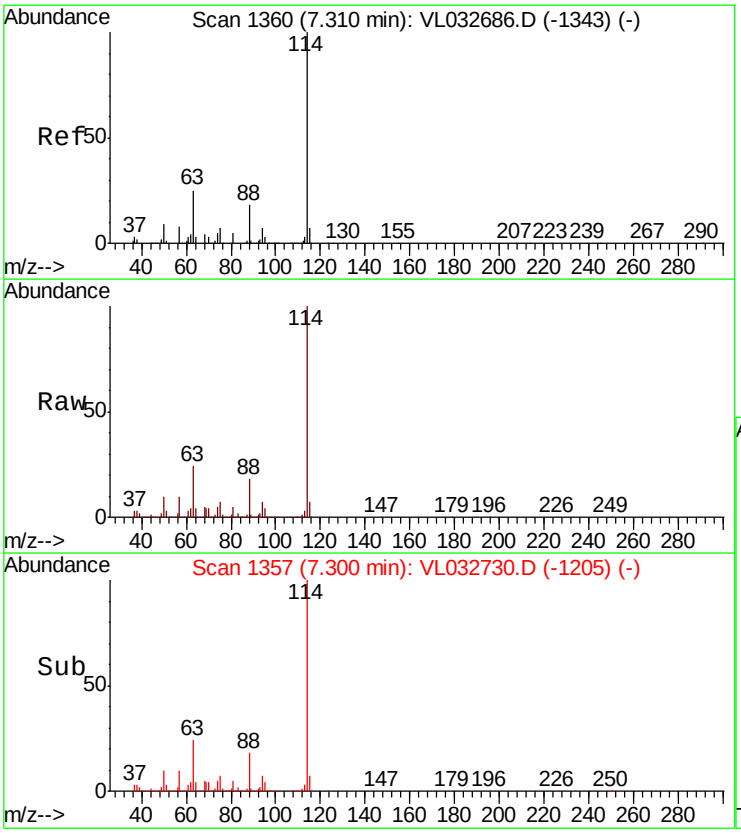
Tgt Ion: 57 Resp: 28943

Ion	Ratio	Lower	Upper
57	100		
41	0.0	67.4	101.0#
43	0.0	171.9	257.9#
56	0.0	42.6	63.8#



Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

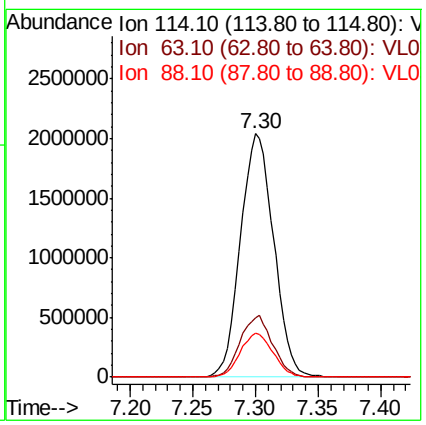
Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

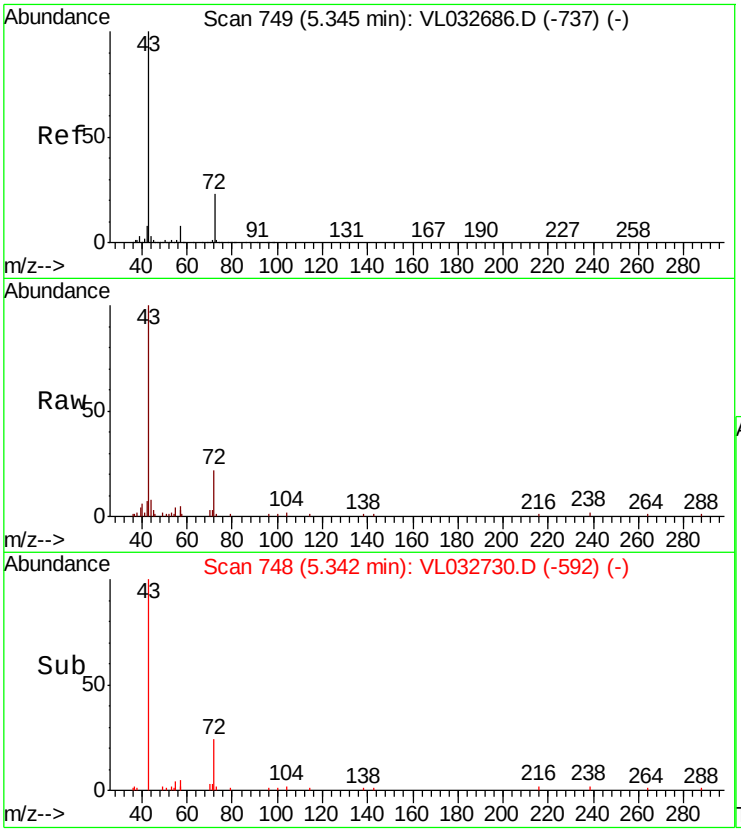


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion:114 Resp: 3760504

Ion	Ratio	Lower	Upper
114	100		
63	24.7	21.7	32.5
88	17.9	14.9	22.3





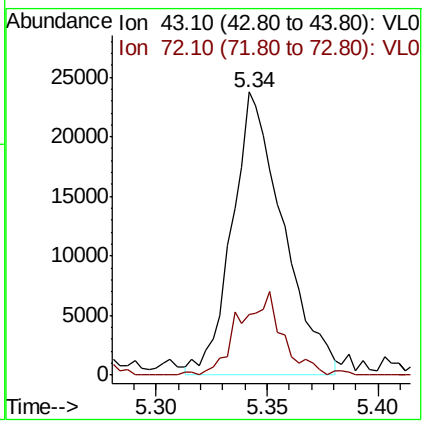
#34
2-Butanone
Concen: 0.189 ppbv m
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

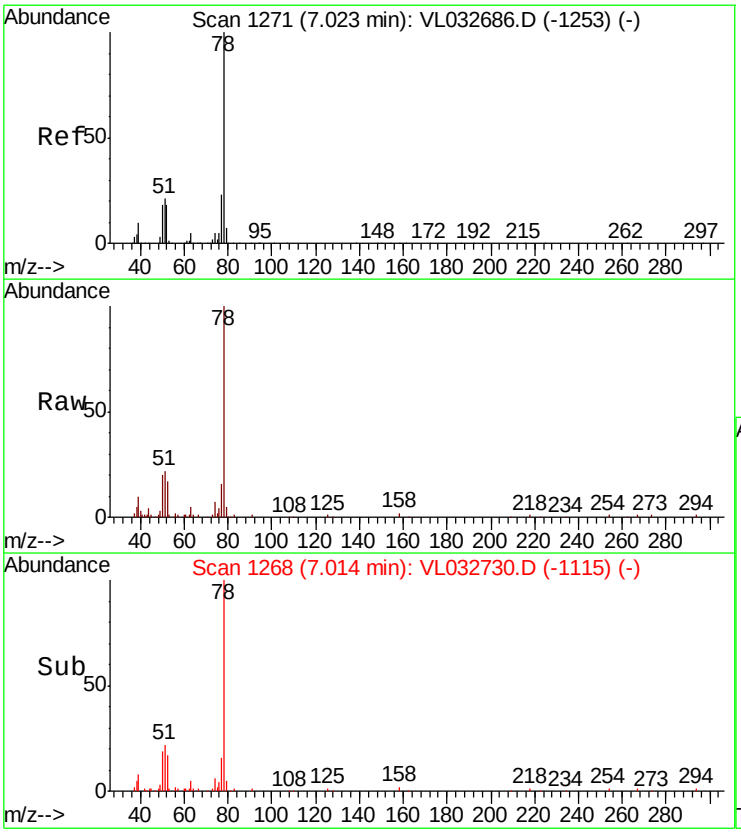
Tgt Ion: 43 Resp: 38014

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

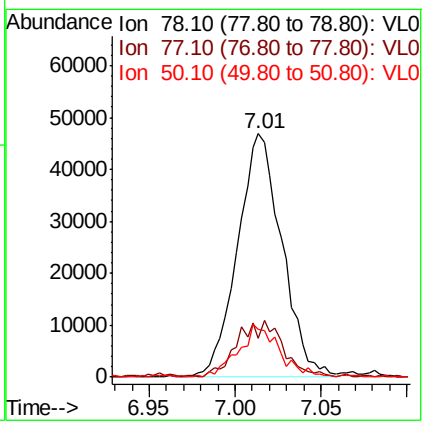


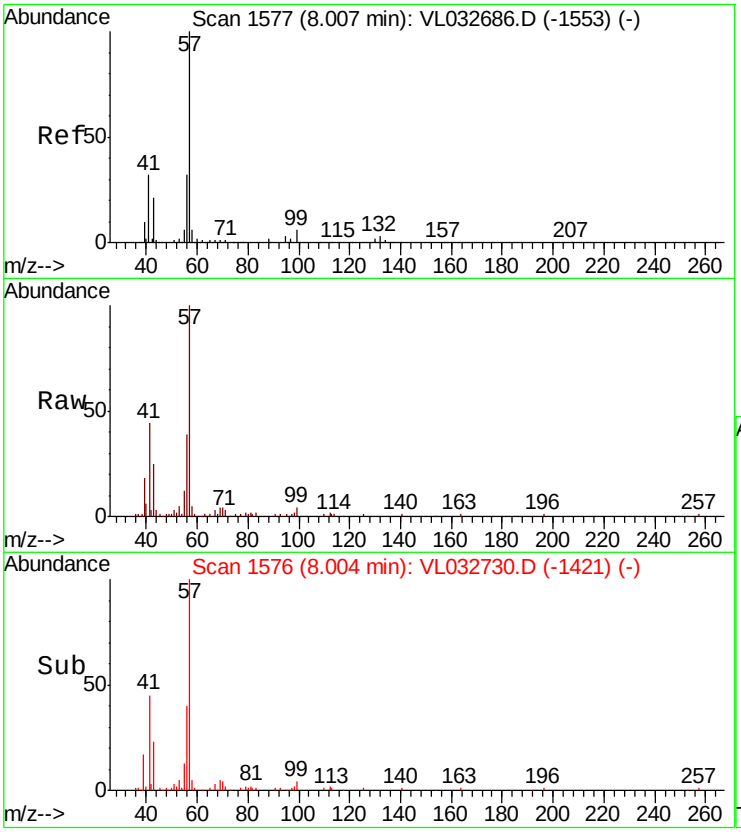


#36
Benzene
Concen: 0.275 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 78 Resp: 83865

Ion	Ratio	Lower	Upper
78	100		
77	15.8	18.1	27.1#
50	19.2	15.1	22.7

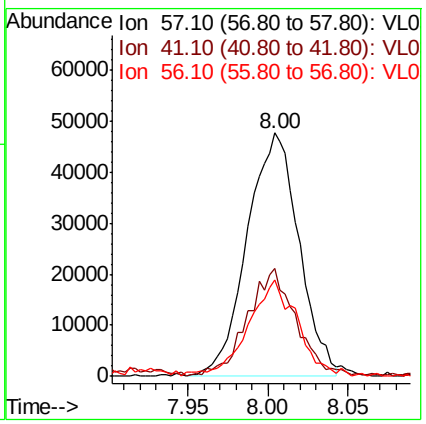




#44
2,2,4-Trimethylpentane
Concen: 0.203 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

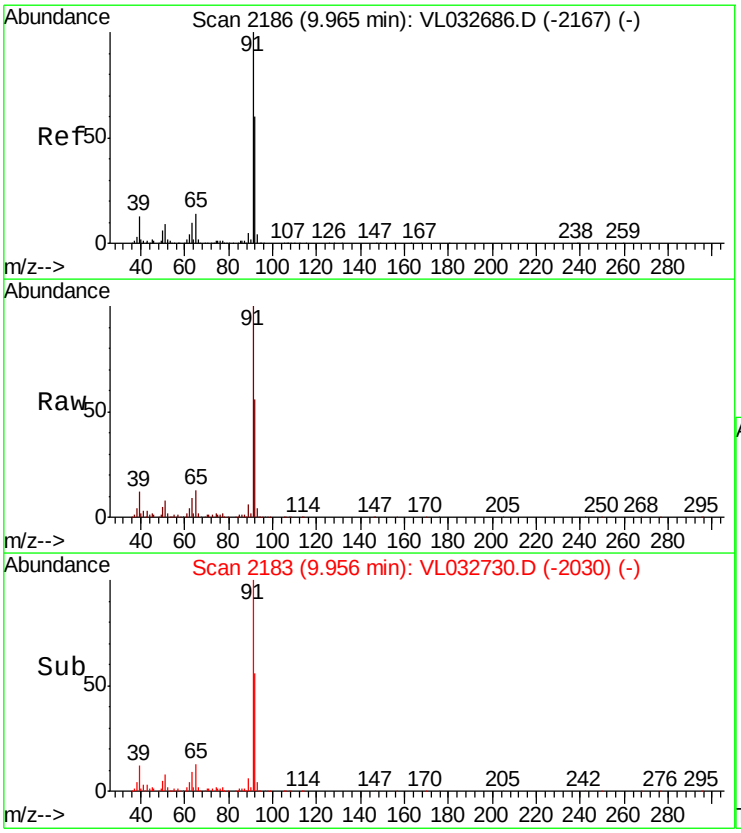
Tgt Ion: 57 Resp: 106069

Ion	Ratio	Lower	Upper
57	100		
41	40.9	24.7	37.1#
56	38.0	25.0	37.4#



Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

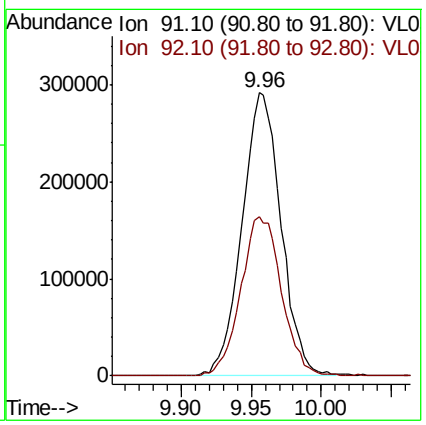
Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

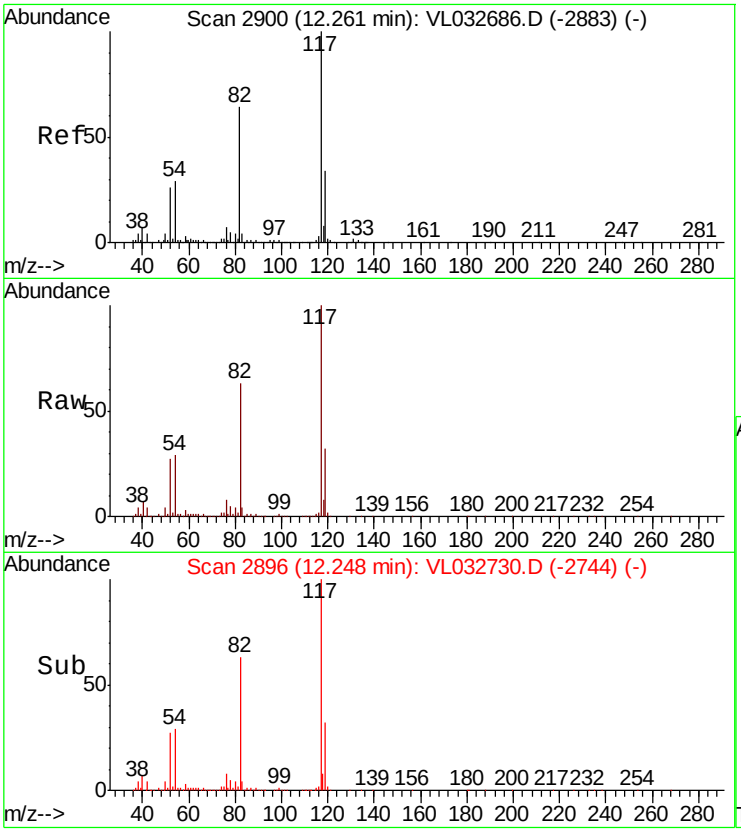


#53
Toluene
Concen: 1.612 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 91 Resp: 564127

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6

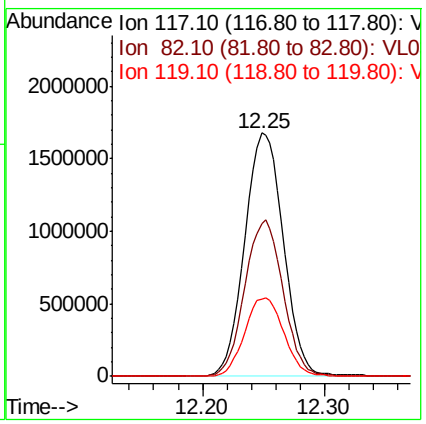




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

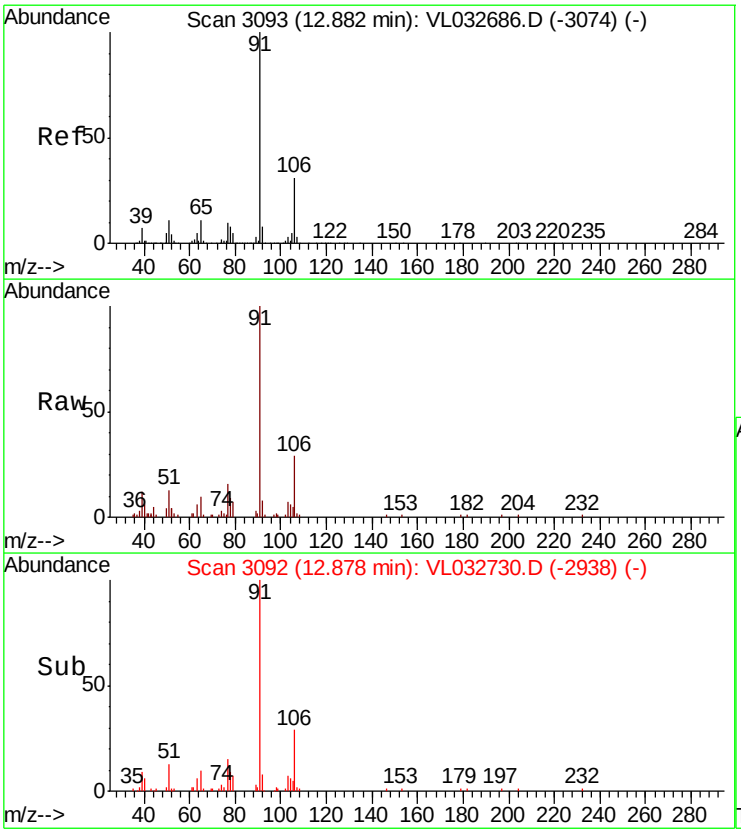
Tgt Ion:117 Resp: 3668871

Ion	Ratio	Lower	Upper
117	100		
82	63.8	52.7	79.1
119	32.7	26.7	40.1



Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

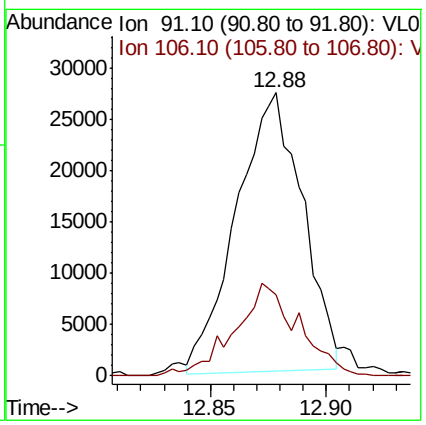
Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

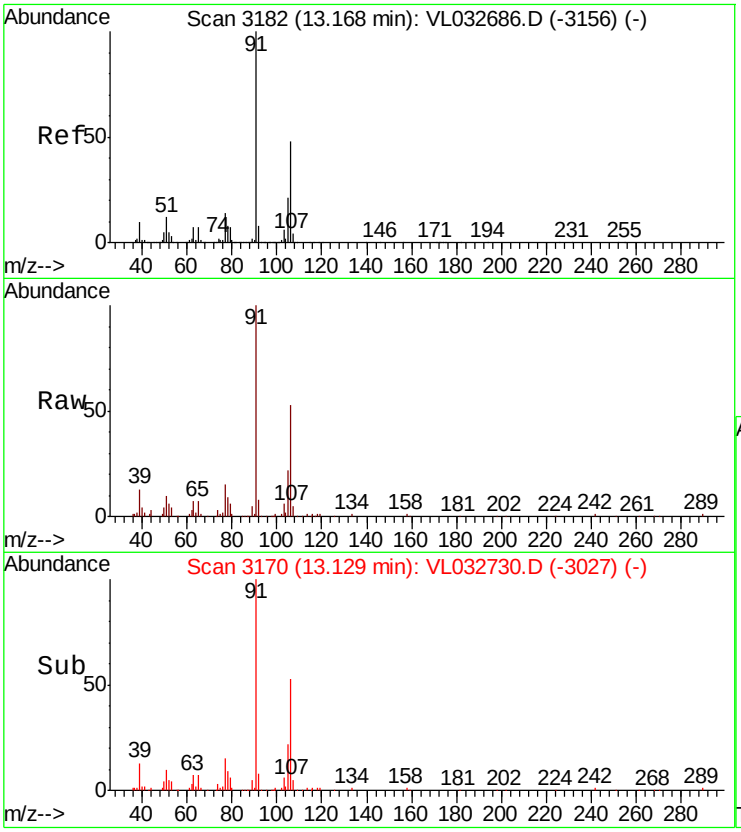


#58
Ethyl Benzene
Concen: 0.127 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. -0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 91 Resp: 54011

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.2	36.2





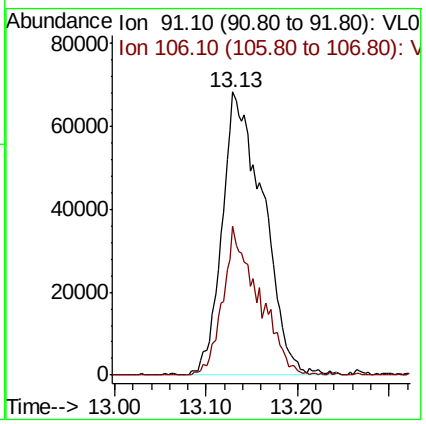
#59
m/p-Xylene
Concen: 0.563 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.04 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

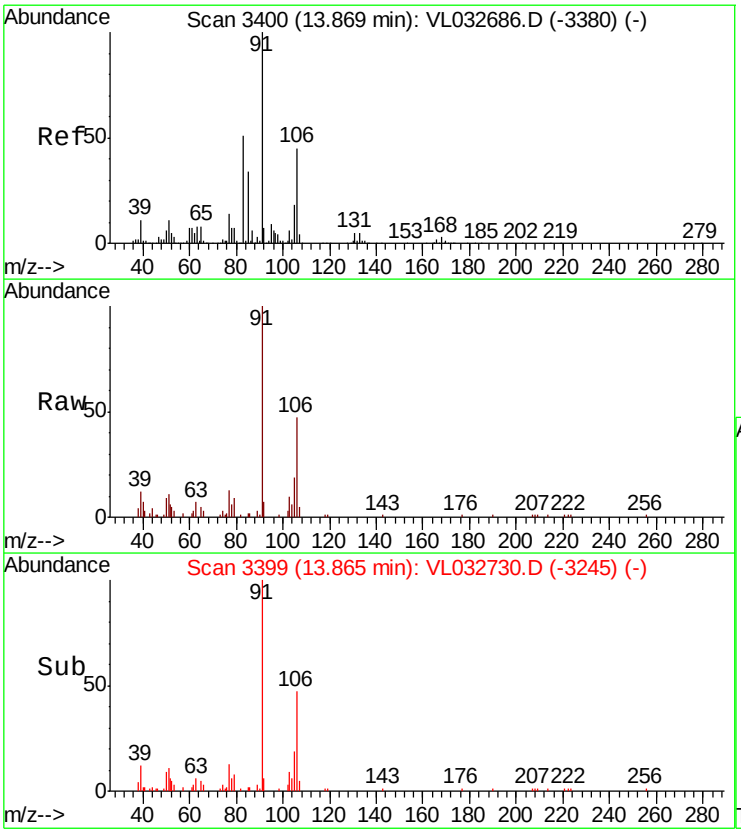
Tgt Ion: 91 Resp: 213509

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM

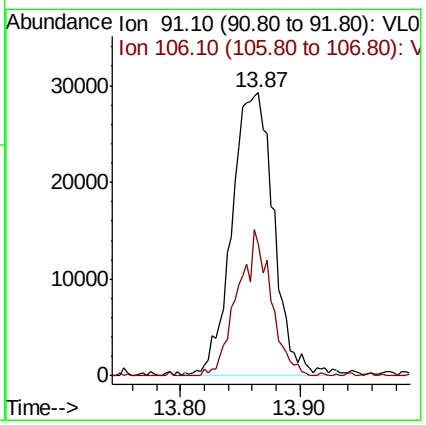


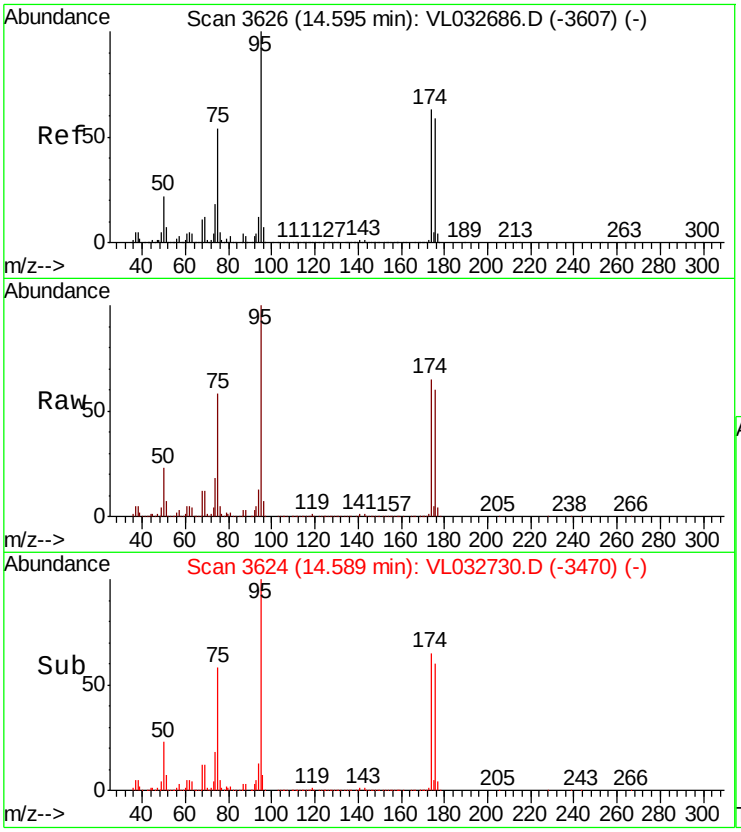


#60
o-Xylene
Concen: 0.190 ppbv m
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion: 91 Resp: 69670

Ion	Ratio	Lower	Upper
91	100		
106	41.0	22.1	66.1

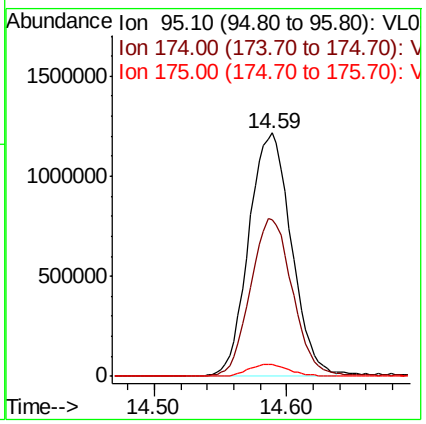




#68
1-Bromo-4-Fluorobenzene
Concen: 9.928 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

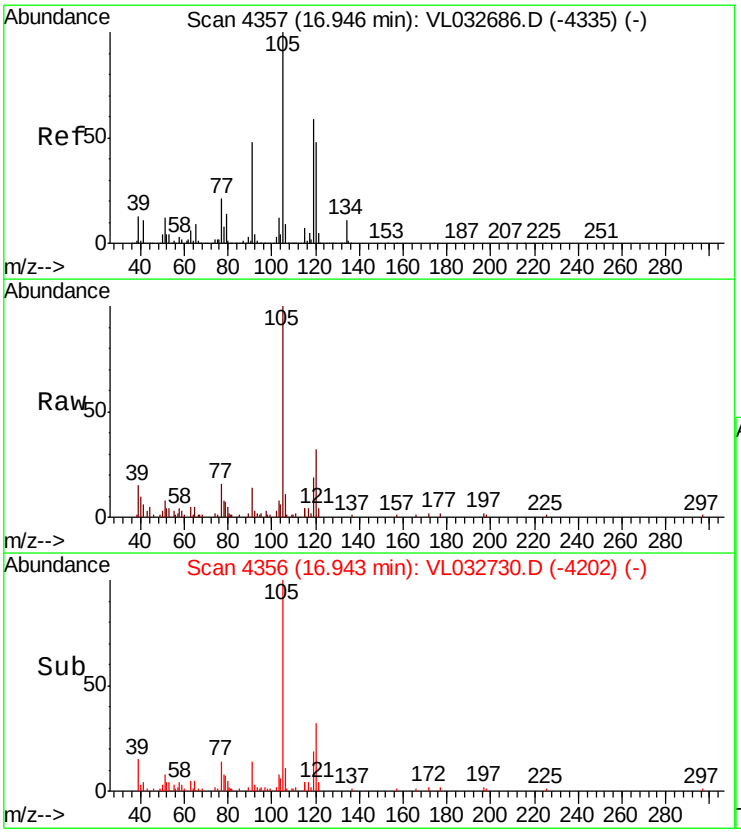
Tgt Ion: 95 Resp: 2712068

Ion	Ratio	Lower	Upper
95	100		
174	64.8	46.0	69.0
175	4.7	3.4	5.0



Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Manual Integrations APPROVED
MMDadoda
11/12/2018 12:30:19 PM



#74
1,2,4-Trimethylbenzene
Concen: 0.122 ppbv m
RT: 16.94 min Scan# 4356
Delta R.T. -0.00 min
Lab File: VL032730.D
Acq: 7 Nov 2018 23:37

Tgt Ion:105 Resp: 49317

Ion	Ratio	Lower	Upper
105	100		
120	32.1	35.8	53.8#
91	13.5	33.2	49.8#
77	15.7	16.2	24.4#