Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033014.D
Acq On : 18 Dec 2018 3:08
Operator : SY/AP
Sample : J6444-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : YT-CBA-LTM5-01

Manual Integrations APPROVED
MMDadoda
12/19/2018 5:37:45 PM

Quant Time: Dec 19 15:53:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 0
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1130301	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2690486	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2539946	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2147248	11.44	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	92271	0.612	ppbv		99
3) Chlorodifluoromethane	3.02	51	53107m	0.620	ppbv		
4) Chloromethane	3.18	50	33467	0.672	ppbv	#	87
9) Propene	3.06	41	891087m	26.326	ppbv		
10) Heptane	8.25	43	27208m	0.214	ppbv		
11) Trichlorofluoromethane	4.01	101	41169	0.290	ppbv		92
13) Ethanol	3.66	45	397055	34.070	ppbv		97
15) Acetone	3.91	43	678266m	6.991	ppbv		
19) Isopropyl Alcohol	4.04	45	129654m	2.128	ppbv		
20) Methylene Chloride	4.42	84	127645	2.692	ppbv		95
26) Hexane	5.79	57	183922	1.738	ppbv	#	49
27) Carbon Disulfide	4.63	76	17528	0.132	ppbv	#	79
34) 2-Butanone	5.34	43	46540	0.397	ppbv		100
35) Carbon Tetrachloride	7.14	117	13473	0.064	ppbv		88
36) Benzene	7.01	78	148119	0.748	ppbv	#	94
44) 2,2,4-Trimethylpentane	8.00	57	100189	0.298	ppbv	#	81
53) Toluene	9.96	91	14598794	69.559	ppbv		92
58) Ethyl Benzene	12.87	91	51872m	0.191	ppbv		
59) m/p-Xylene	13.13	91	154579	0.629	ppbv	#	100
60) o-Xylene	13.85	91	54569m	0.220	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033014.D
Acq On : 18 Dec 2018 3:08
Operator : SY/AP
Sample : J6444-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 15:53:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
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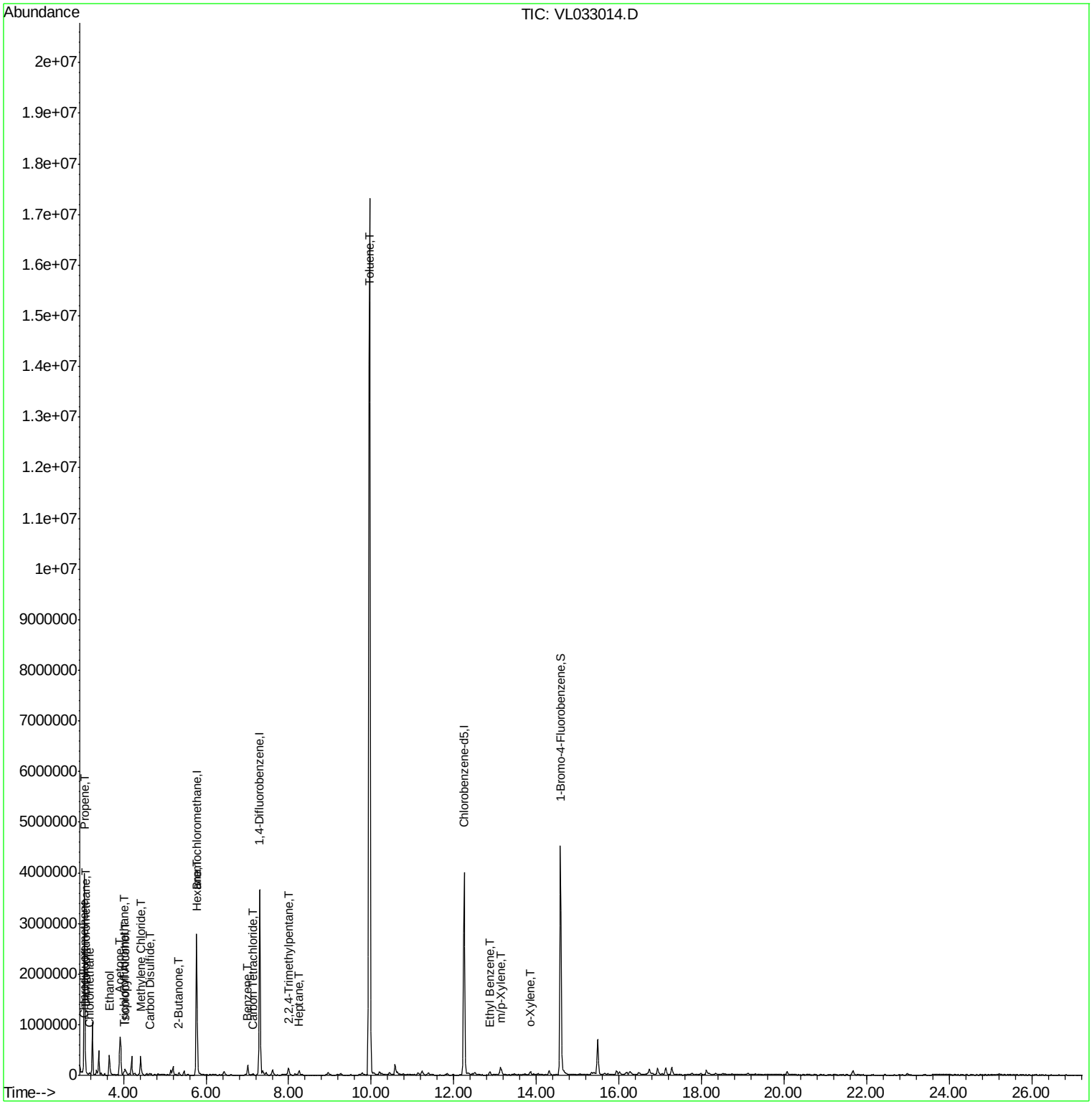
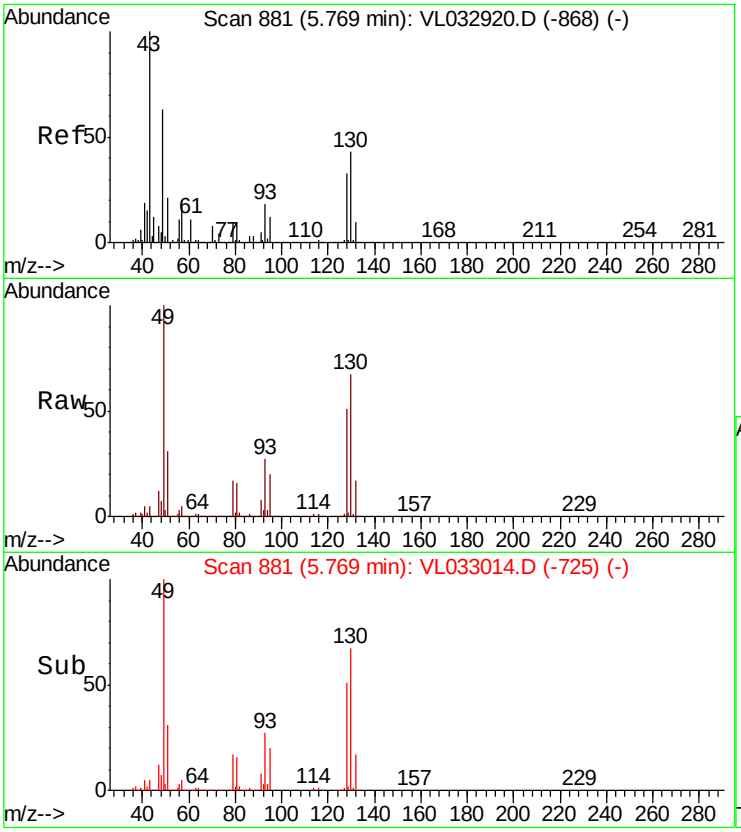
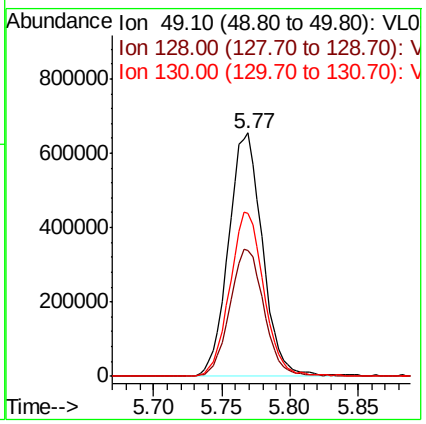




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 49 Resp: 1130301

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.3	78.8
130	68.1	33.9	101.7



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
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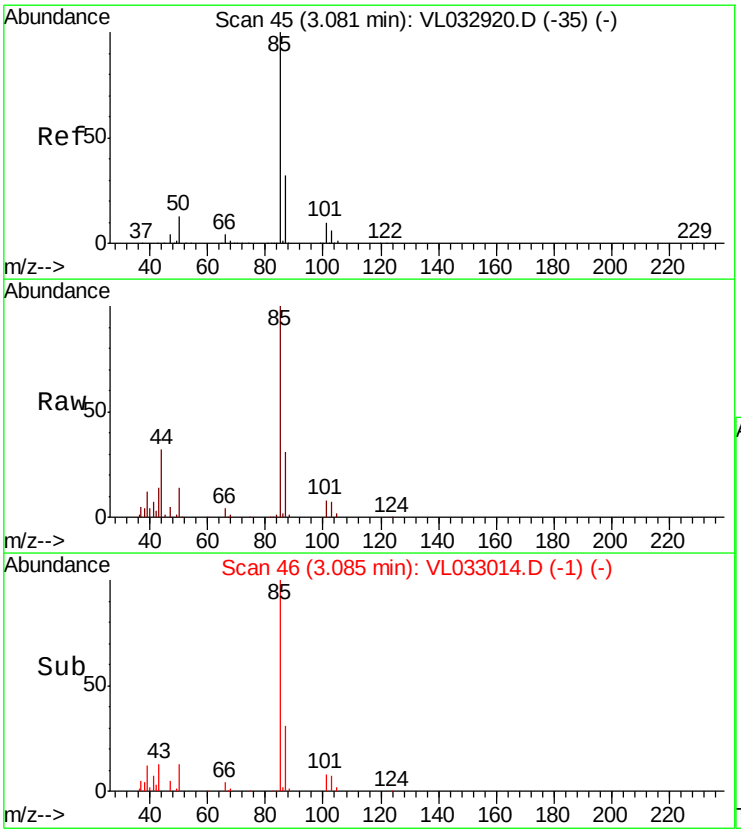
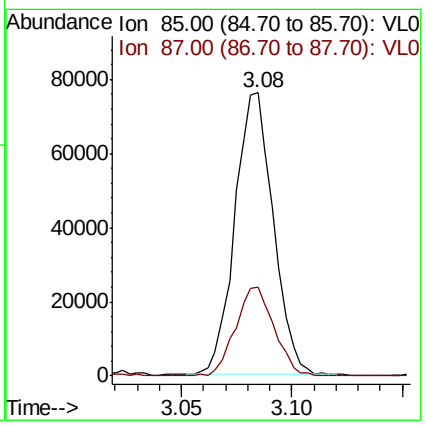
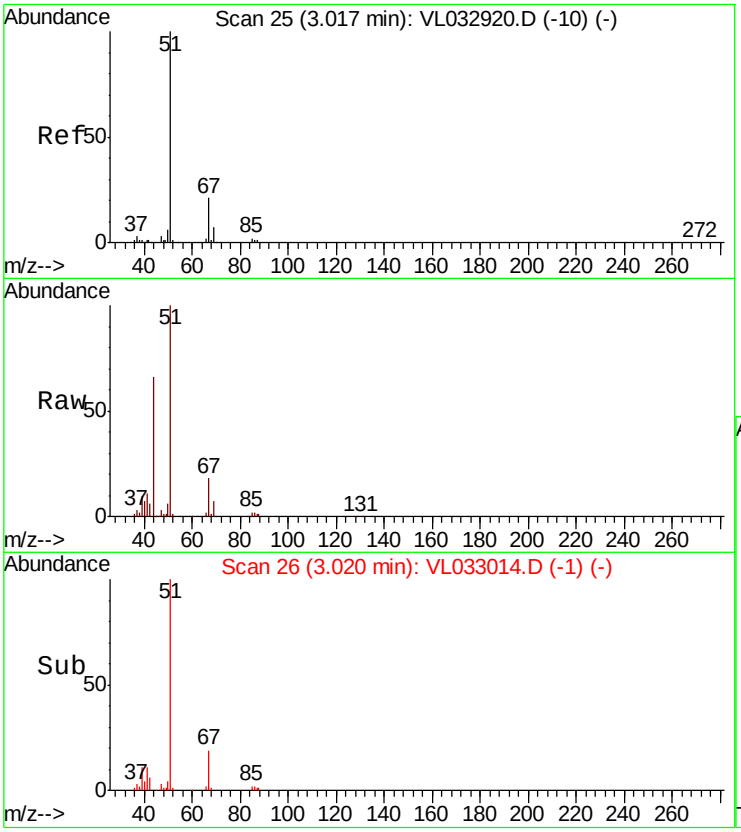


#2
Dichlorodifluoromethane
Concen: 0.612 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 85 Resp: 92271

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.7	38.5

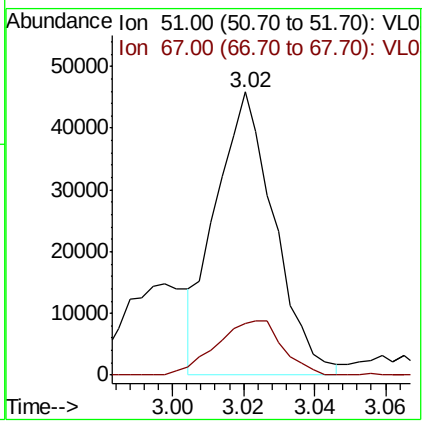




#3
Chlorodifluoromethane
Concen: 0.620 ppbv m
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 51 Resp: 53107

Ion	Ratio	Lower	Upper
51	100		
67	21.4	16.8	25.2



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
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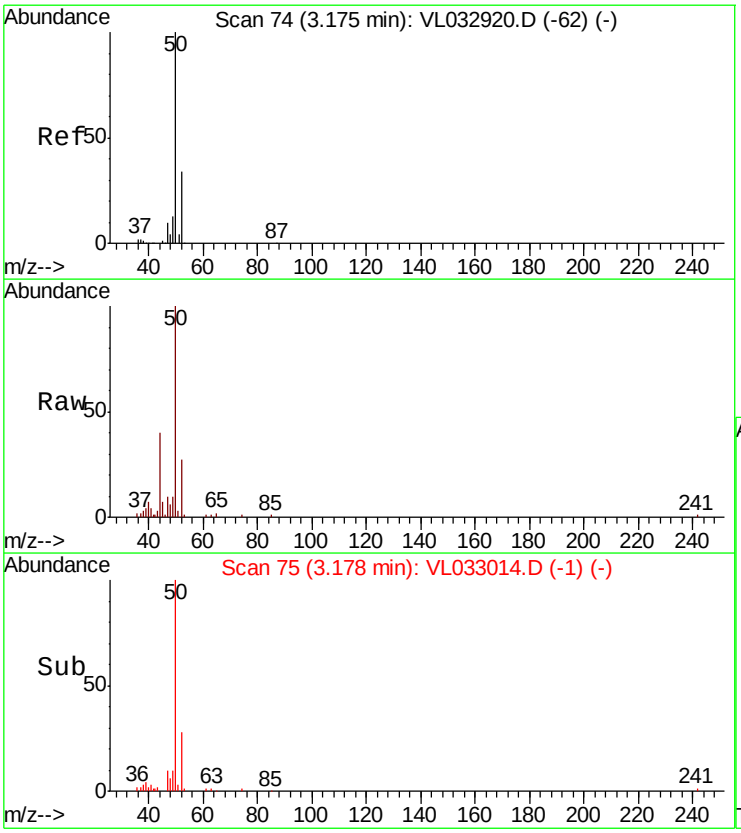
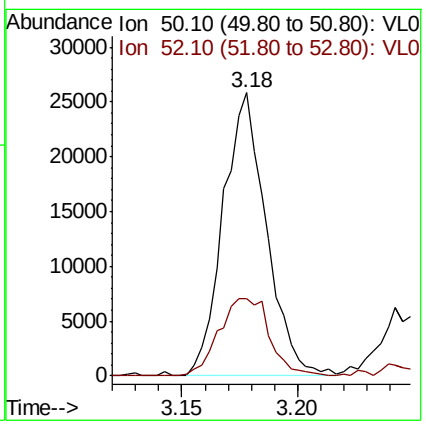
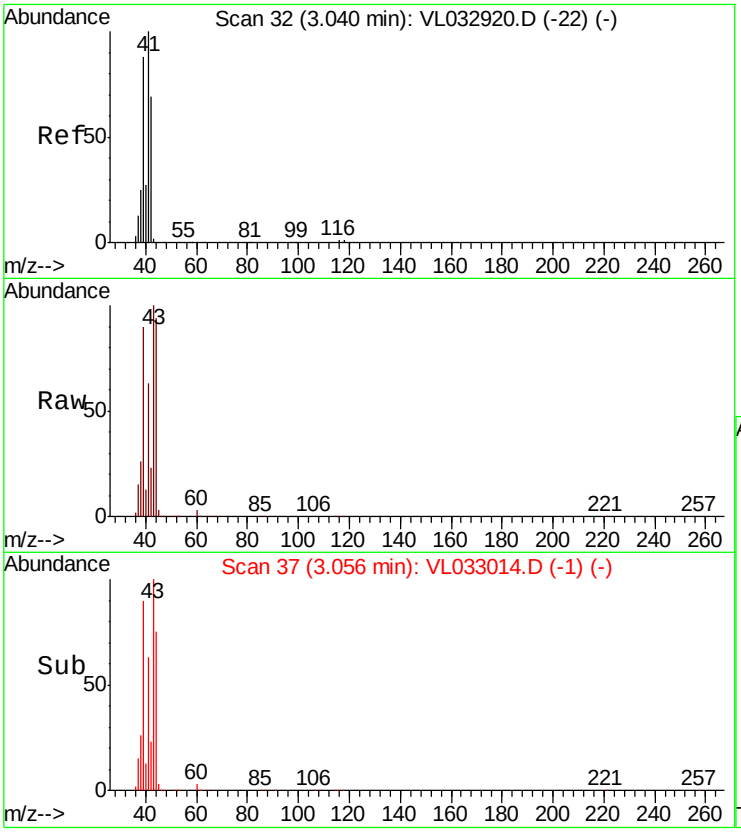


#4
Chloromethane
Concen: 0.672 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 50 Resp: 33467

Ion	Ratio	Lower	Upper
50	100		
52	26.7	27.3	40.9#





#9
Propene
Concen: 26.326 ppbv m
RT: 3.06 min Scan# 37
Delta R.T. 0.02 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 41 Resp: 891087

Ion	Ratio	Lower	Upper
41	100		
42	20.4	56.2	84.2#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
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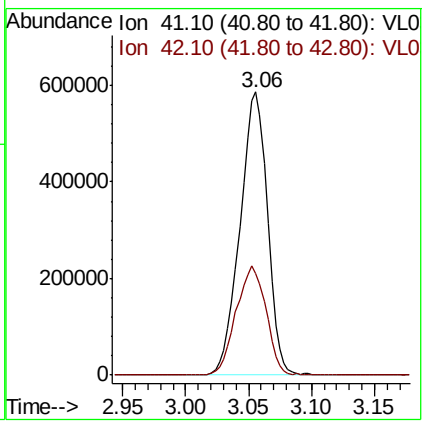
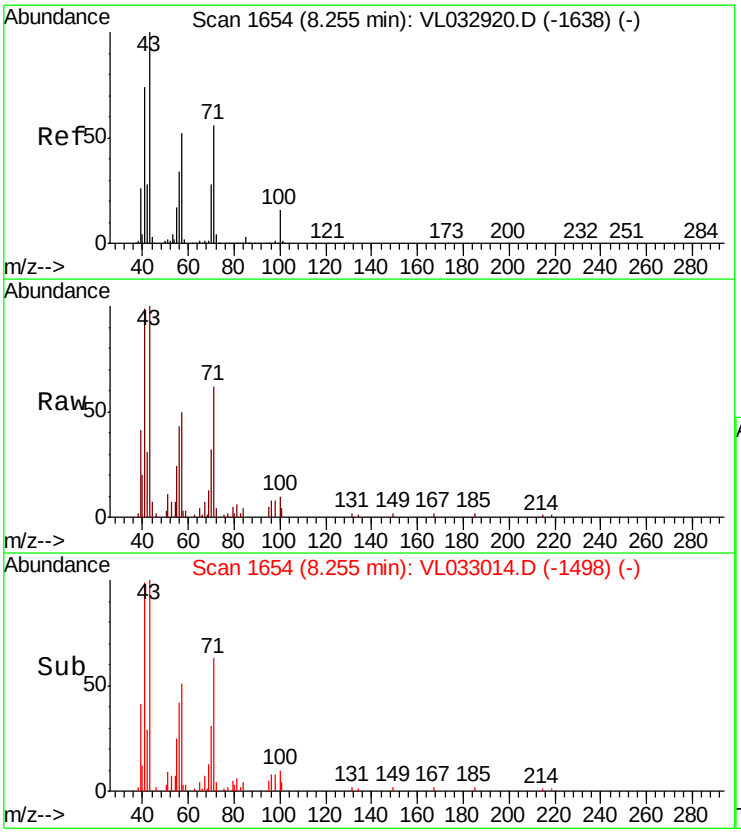
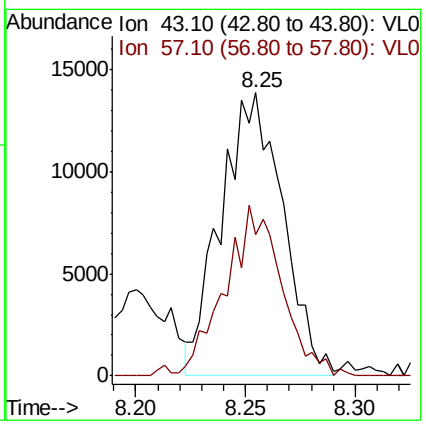


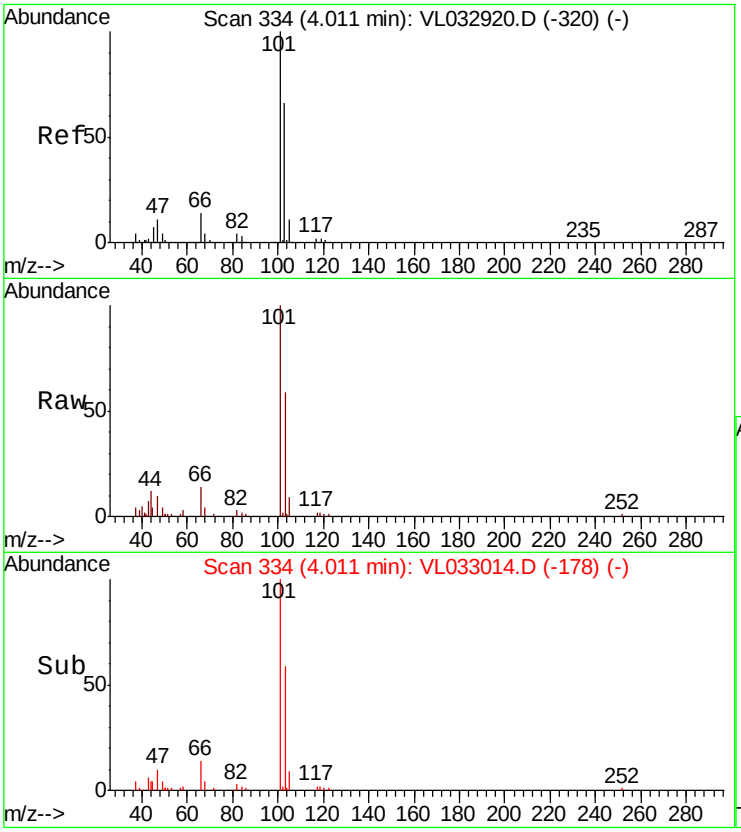


#10
Heptane
Concen: 0.214 ppbv m
RT: 8.25 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 43 Resp: 27208

Ion	Ratio	Lower	Upper
43	100		
57	55.5	41.8	62.6

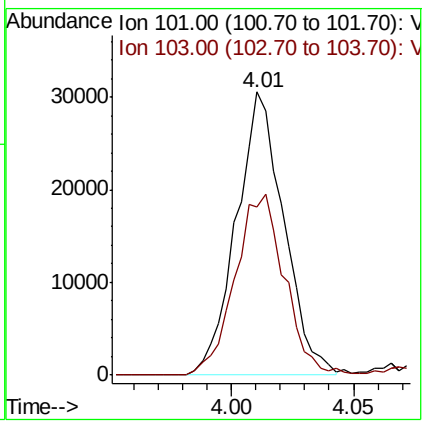




#11
Trichlorofluoromethane
Concen: 0.290 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:101 Resp: 41169

Ion	Ratio	Lower	Upper
101	100		
103	59.4	52.7	79.1



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

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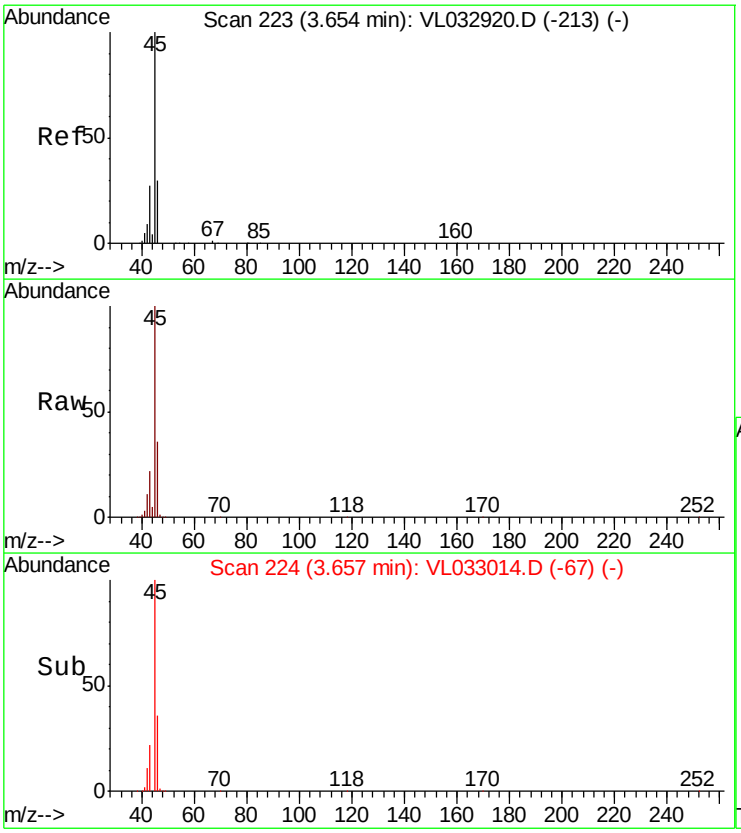
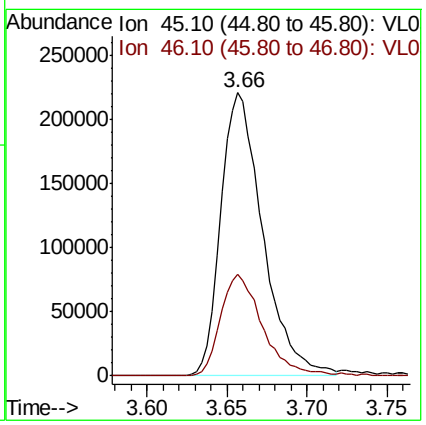
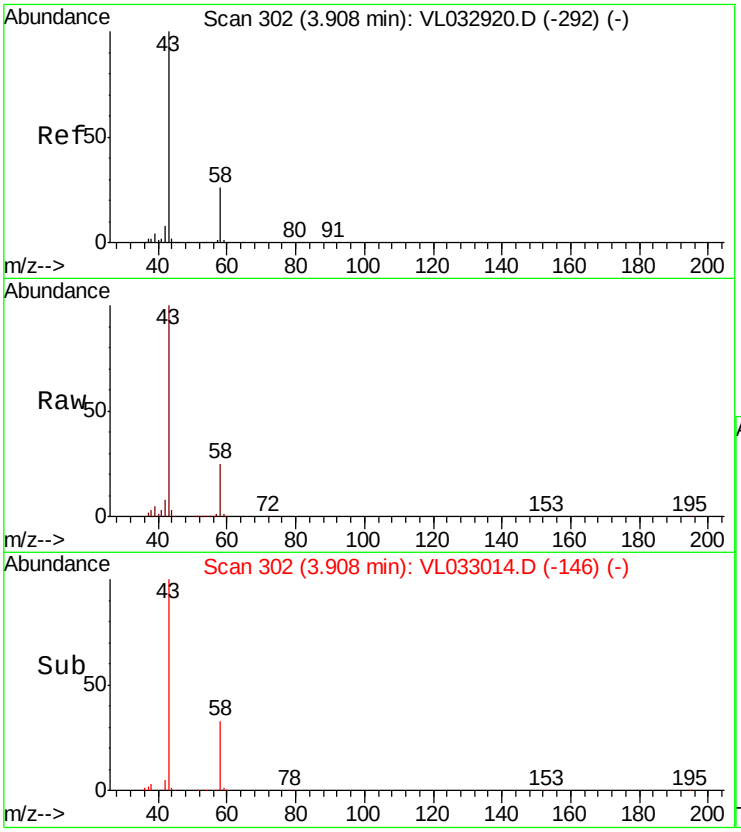


#13
Ethanol
Concen: 34.070 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 45 Resp: 397055

Ion	Ratio	Lower	Upper
45	100		
46	36.2	13.8	55.4





#15
Acetone
Concen: 6.991 ppbv m
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 43 Resp: 678266

Ion	Ratio	Lower	Upper
43	100		
58	29.7	20.6	30.8

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
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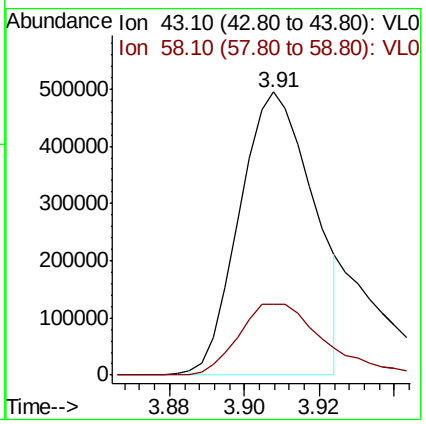
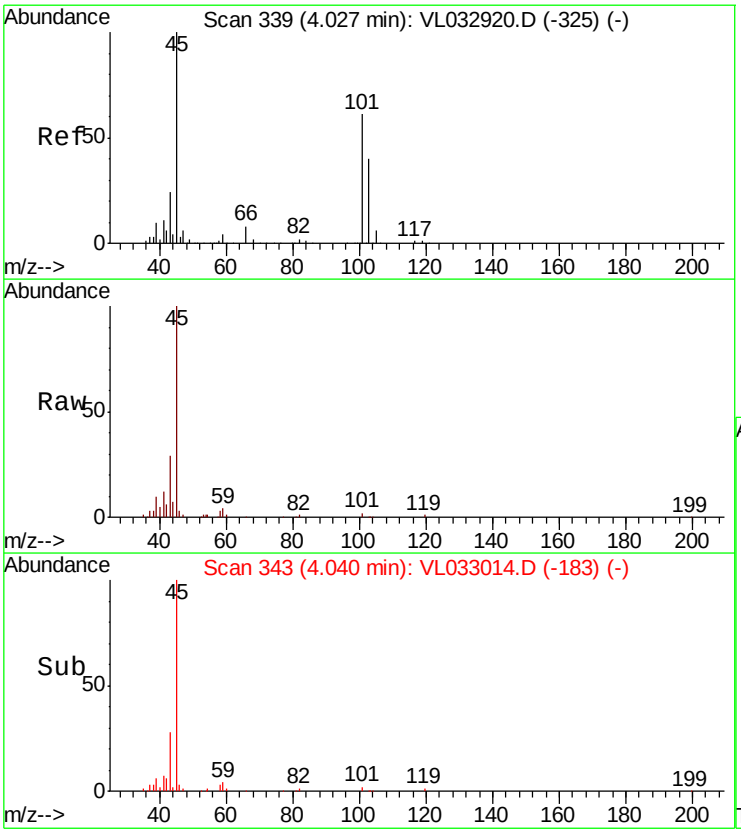
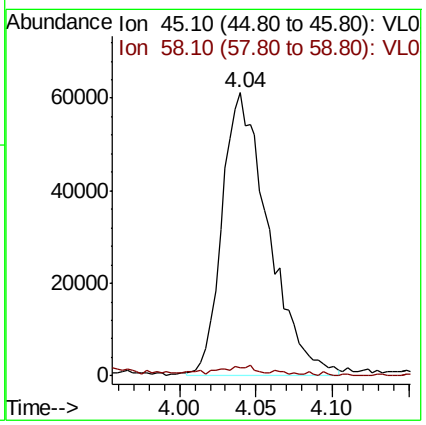


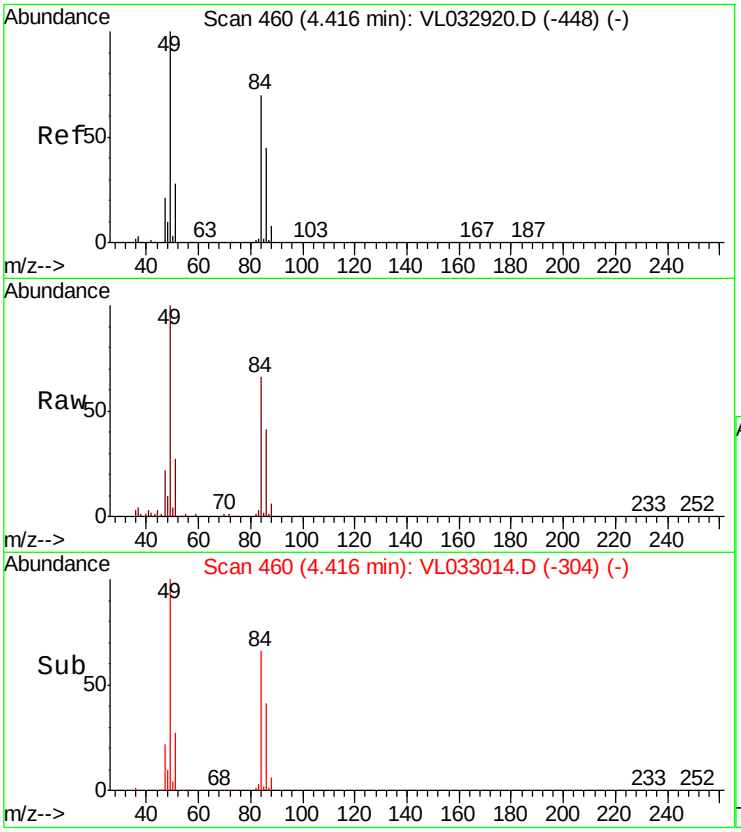


#19
Isopropyl Alcohol
Concen: 2.128 ppbv m
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 45 Resp: 129654

Ion	Ratio	Lower	Upper
45	100		
58	4.7	1.4	2.2#

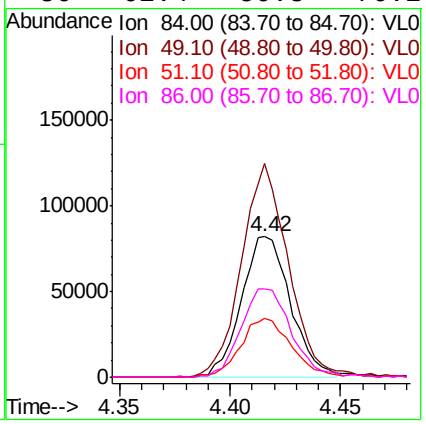




#20
Methylene Chloride
Concen: 2.692 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 84 Resp: 127645

Ion	Ratio	Lower	Upper
84	100		
49	151.5	113.8	170.8
51	41.3	31.8	47.8
86	62.4	50.8	76.2



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
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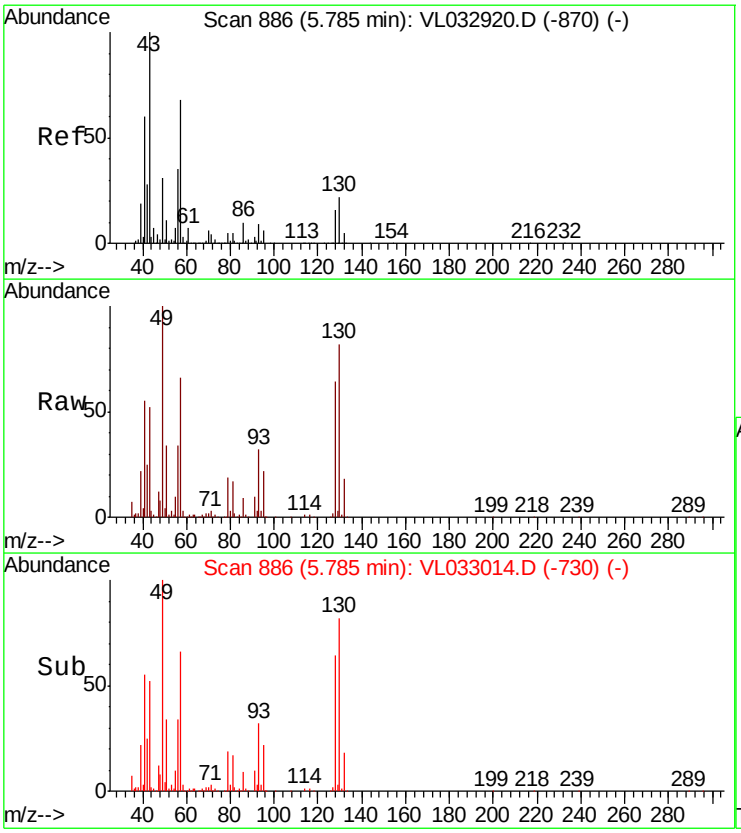
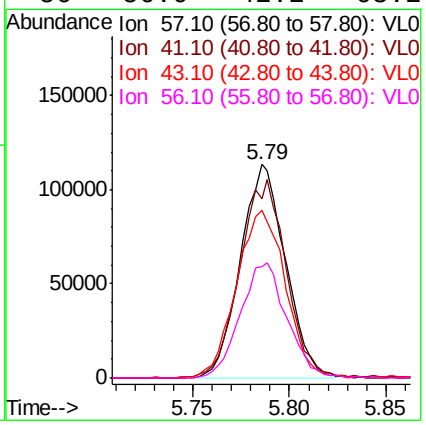
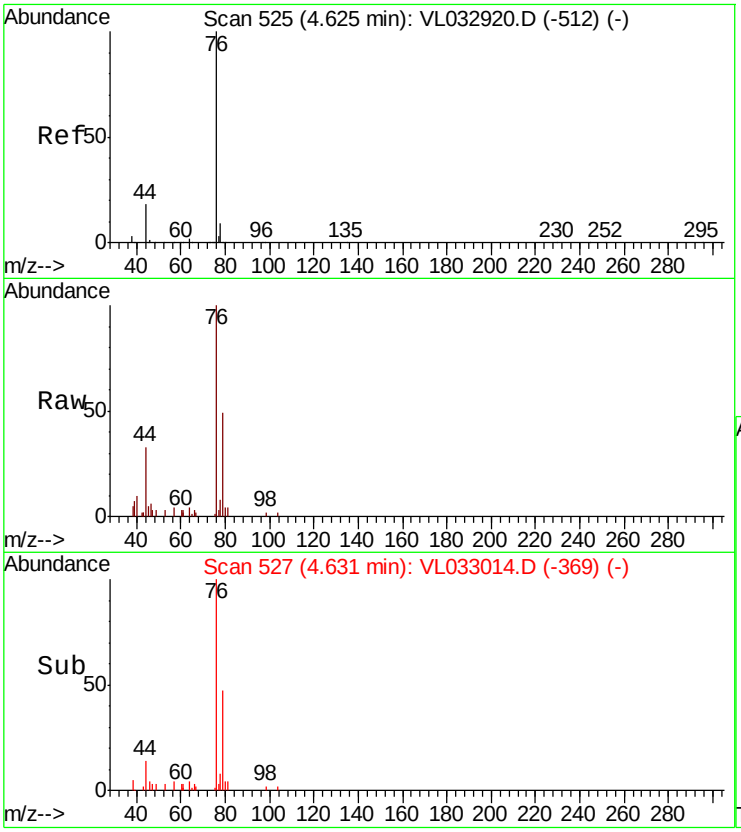


#26
Hexane
Concen: 1.738 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 57 Resp: 183922

Ion	Ratio	Lower	Upper
57	100		
41	96.4	72.2	108.2
43	87.1	171.9	257.9#
56	56.0	42.2	63.2

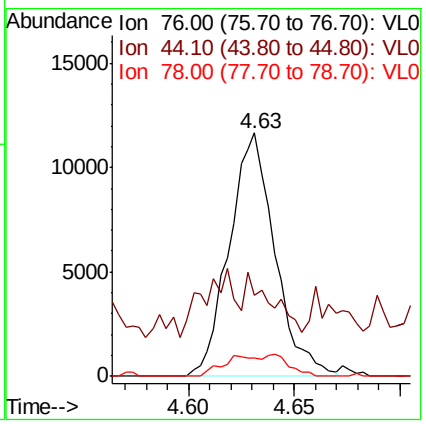




#27
Carbon Disulfide
Concen: 0.132 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

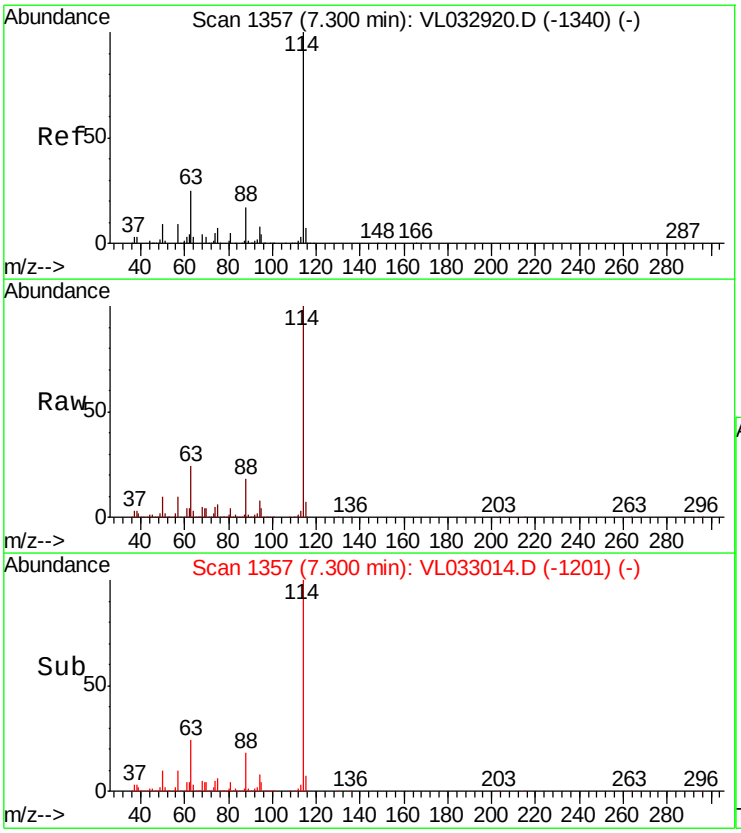
Tgt Ion: 76 Resp: 17528

Ion	Ratio	Lower	Upper
76	100		
44	31.2	14.7	22.1#
78	11.5	7.4	11.2#



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

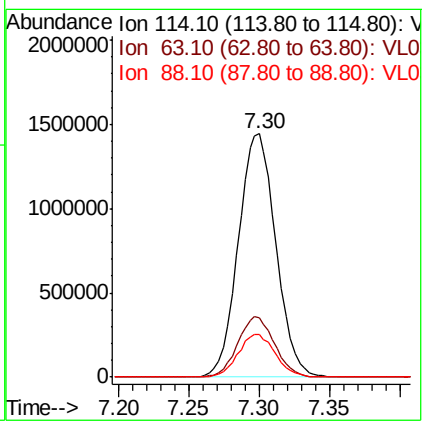
Manual Integrations APPROVED
MMDadoda
12/19/2018 5:37:45 PM

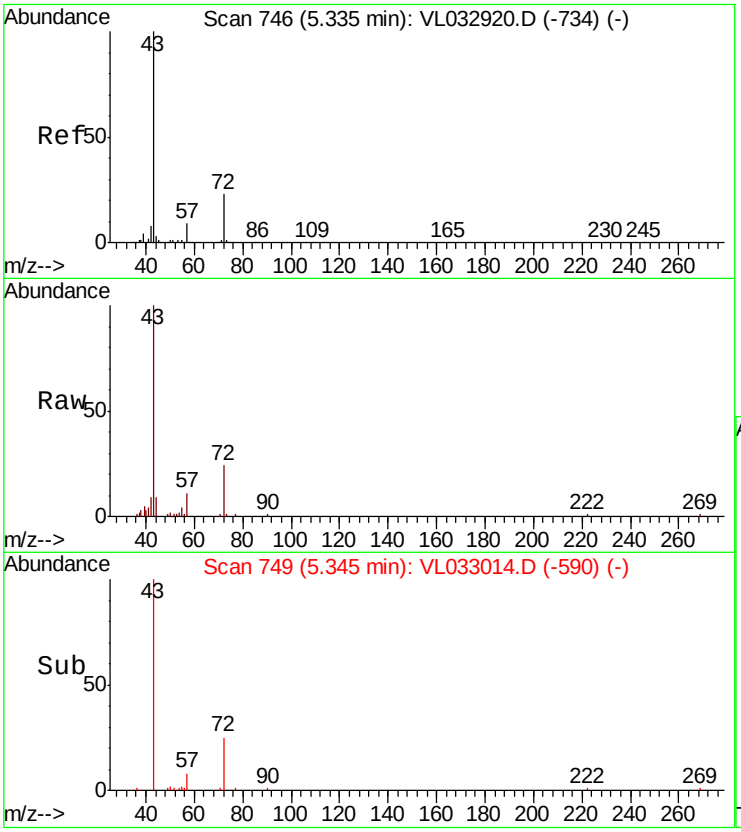


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:114 Resp: 2690486

Ion	Ratio	Lower	Upper
114	100		
63	24.3	20.1	30.1
88	17.6	14.2	21.4

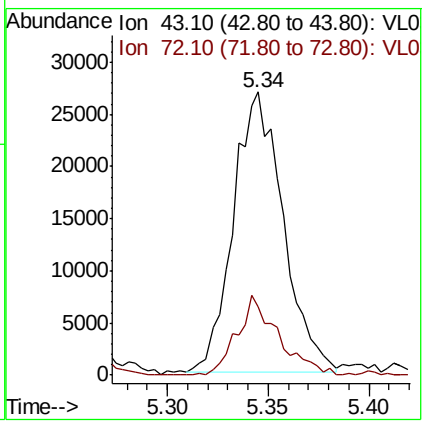




#34
2-Butanone
Concen: 0.397 ppbv
RT: 5.34 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

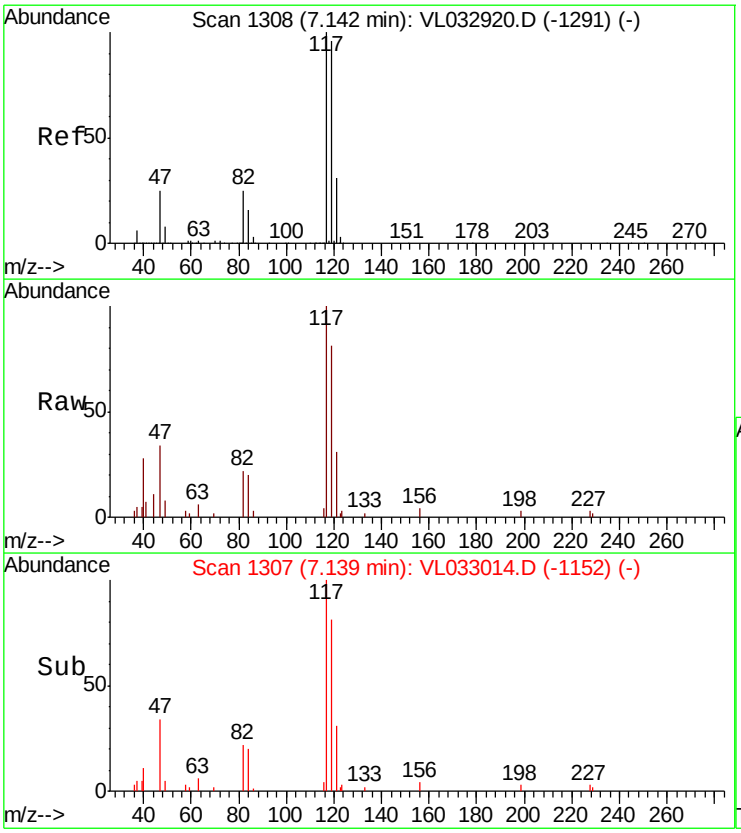
Tgt Ion: 43 Resp: 46540

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.8	28.2



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

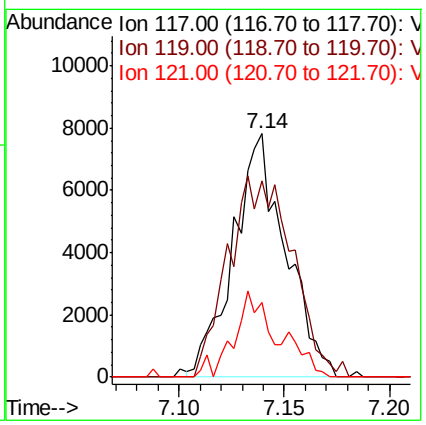
Manual Integrations APPROVED
MMDadoda
12/19/2018 5:37:45 PM

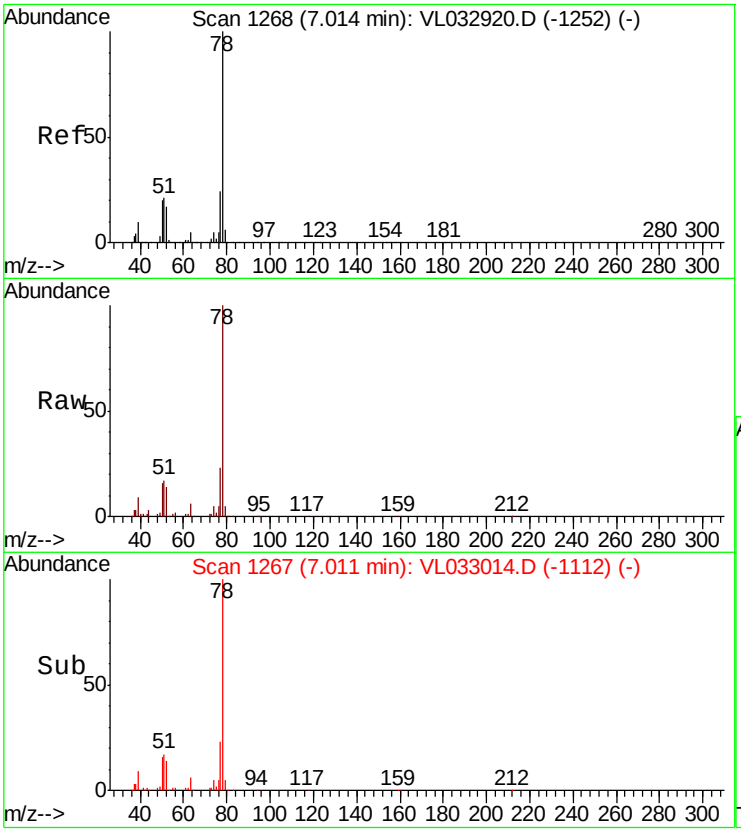


#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:117 Resp: 13473

Ion	Ratio	Lower	Upper
117	100		
119	80.8	76.5	114.7
121	30.5	24.5	36.7

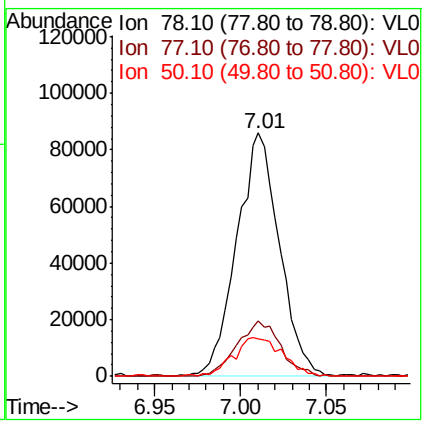




#36
Benzene
Concen: 0.748 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 78 Resp: 148119

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3
50	15.2	16.1	24.1#



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

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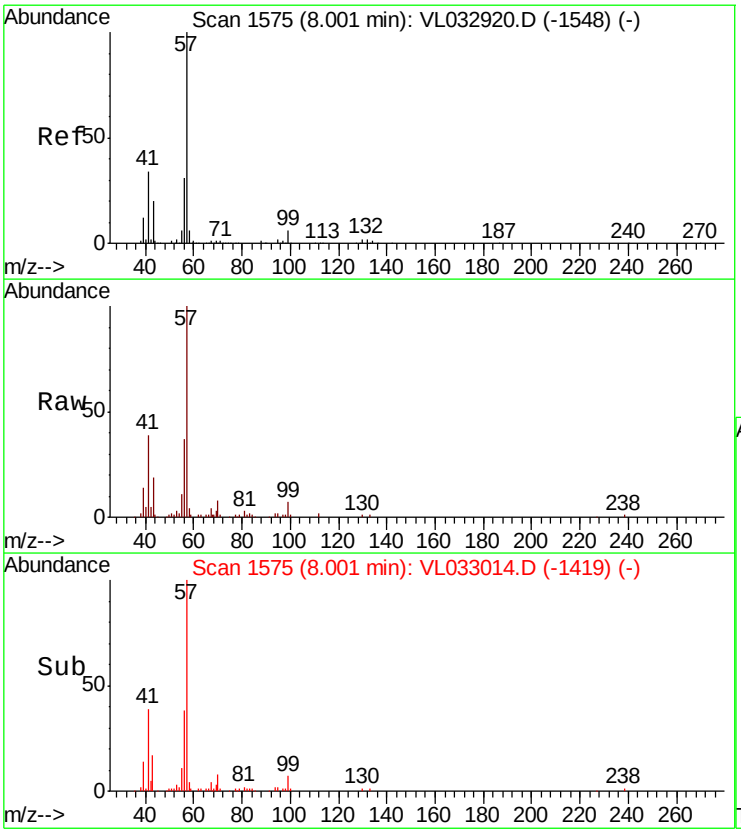
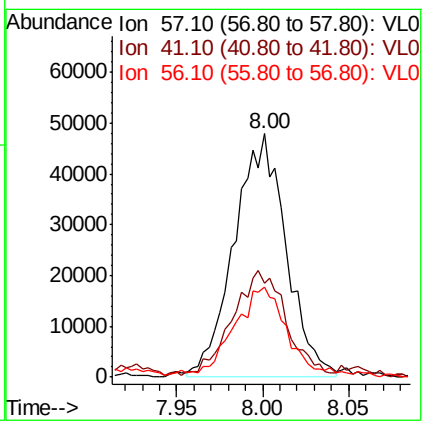
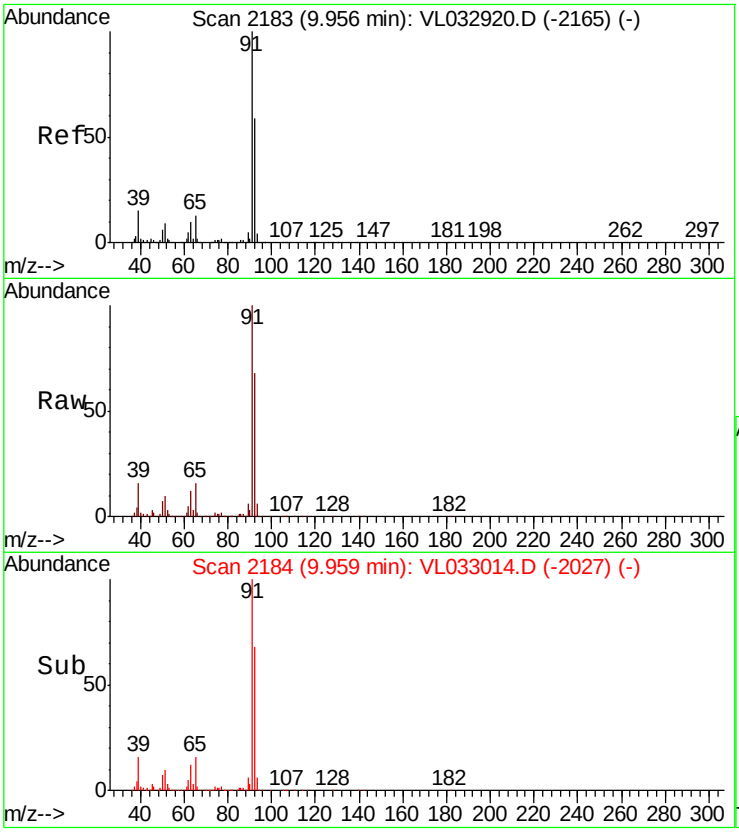


#44
2,2,4-Trimethylpentane
Concen: 0.298 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 57 Resp: 100189

Ion	Ratio	Lower	Upper
57	100		
41	45.8	27.0	40.4#
56	40.0	24.6	37.0#





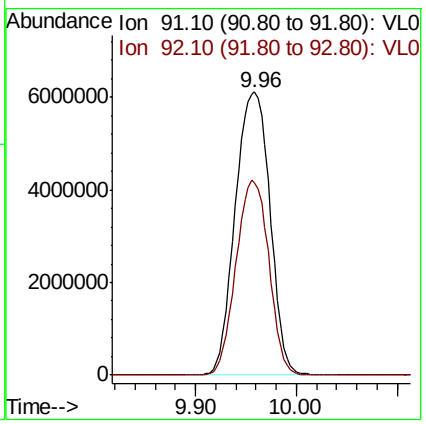
#53
Toluene
Concen: 69.559 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

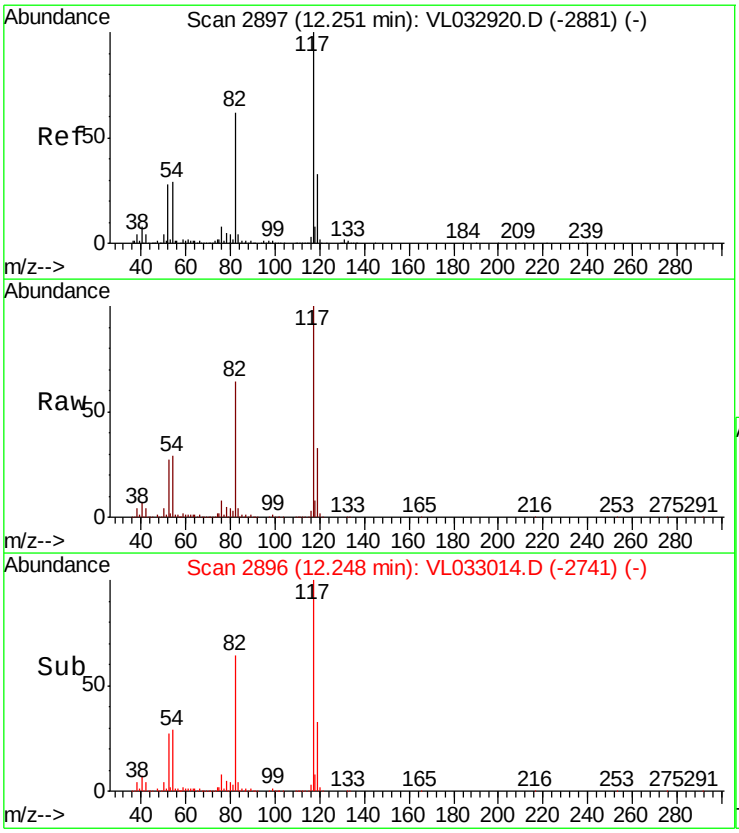
Tgt Ion: 91 Resp:14598794

Ion	Ratio	Lower	Upper
91	100		
92	65.1	47.4	71.0

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
MMDadoda
12/19/2018 5:37:45 PM

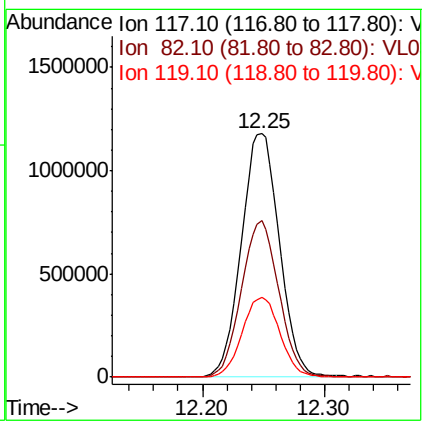


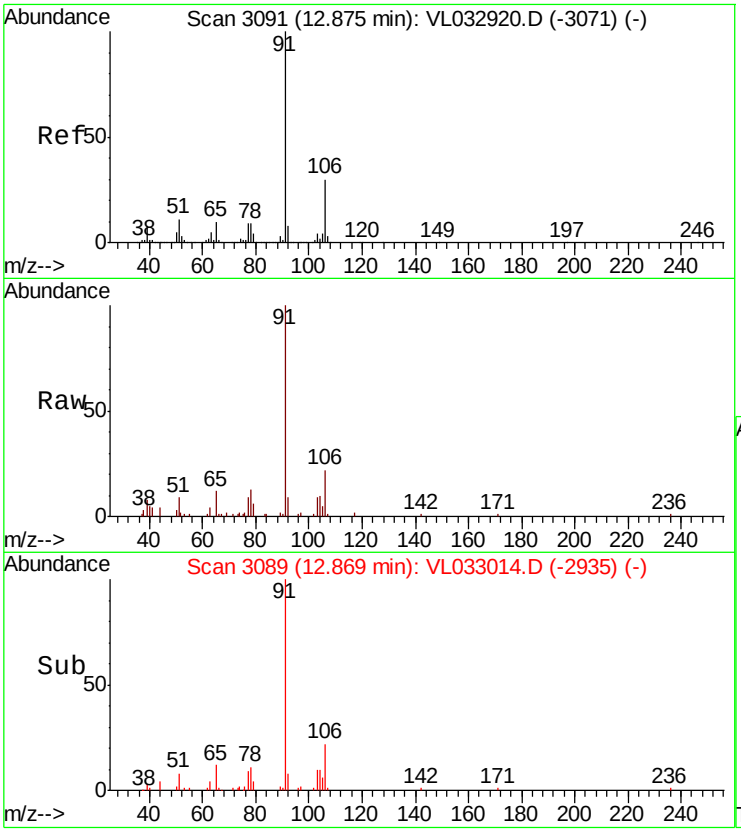


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:117 Resp: 2539946

Ion	Ratio	Lower	Upper
117	100		
82	63.1	47.8	71.8
119	32.5	43.1	64.7#





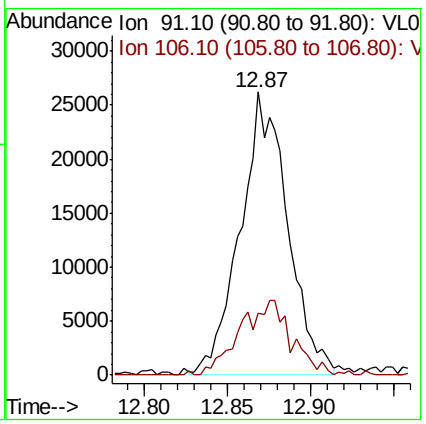
#58
Ethyl Benzene
Concen: 0.191 ppbv m
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

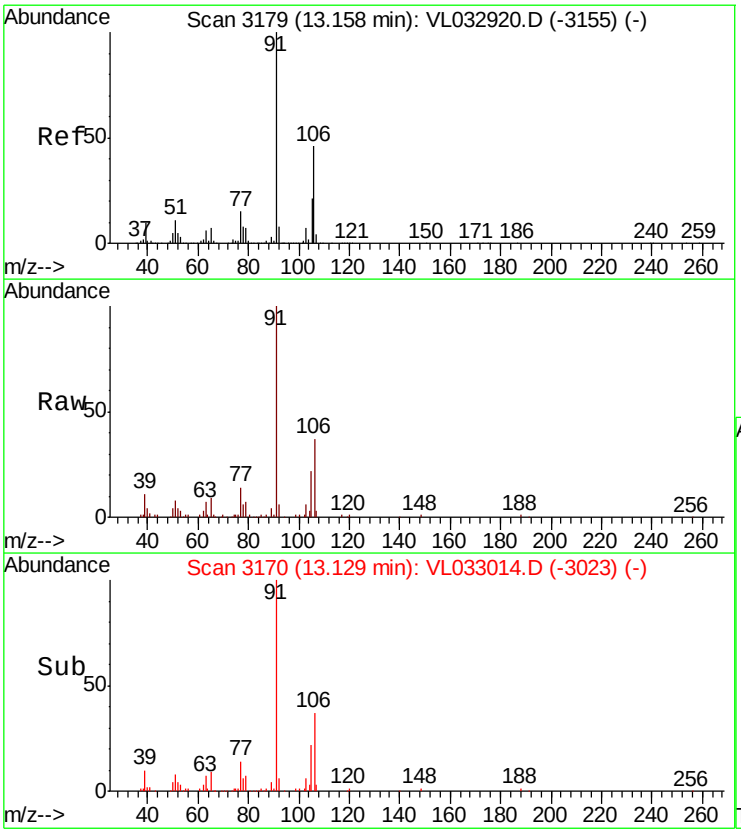
Tgt Ion: 91 Resp: 51872

Ion	Ratio	Lower	Upper
91	100		
106	21.9	23.9	35.9#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
MMDadoda
12/19/2018 5:37:45 PM

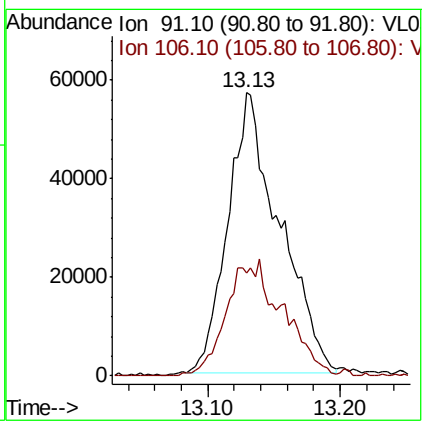


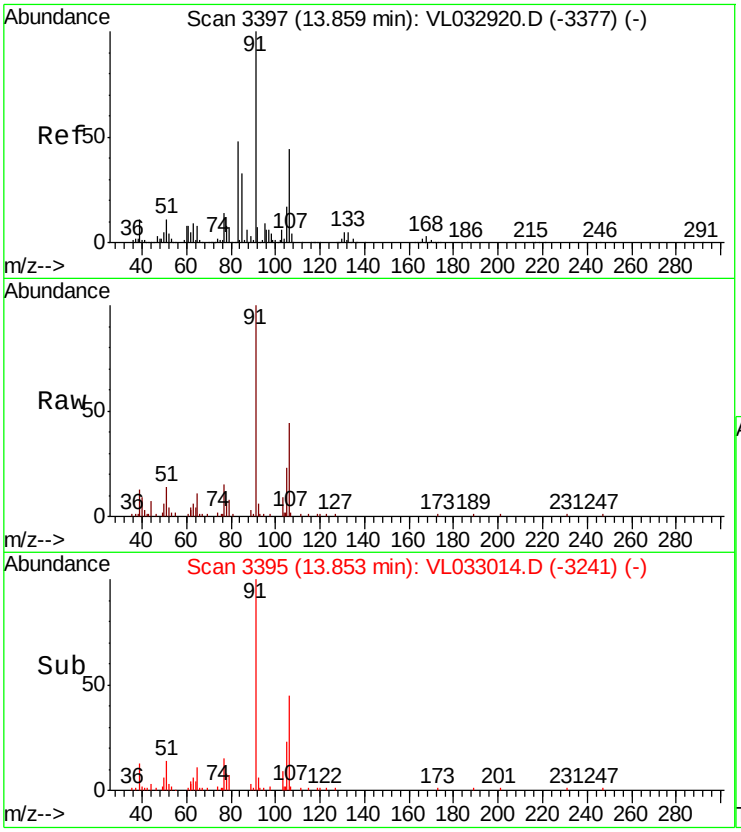


#59
m/p-Xylene
Concen: 0.629 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 91 Resp: 154579

Ion	Ratio	Lower	Upper
91	100		
106	45.2	0.0	0.0#





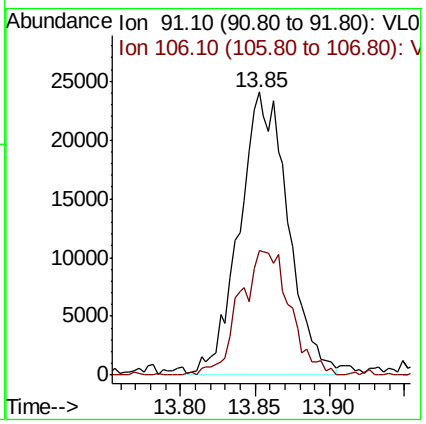
#60
o-Xylene
Concen: 0.220 ppbv m
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

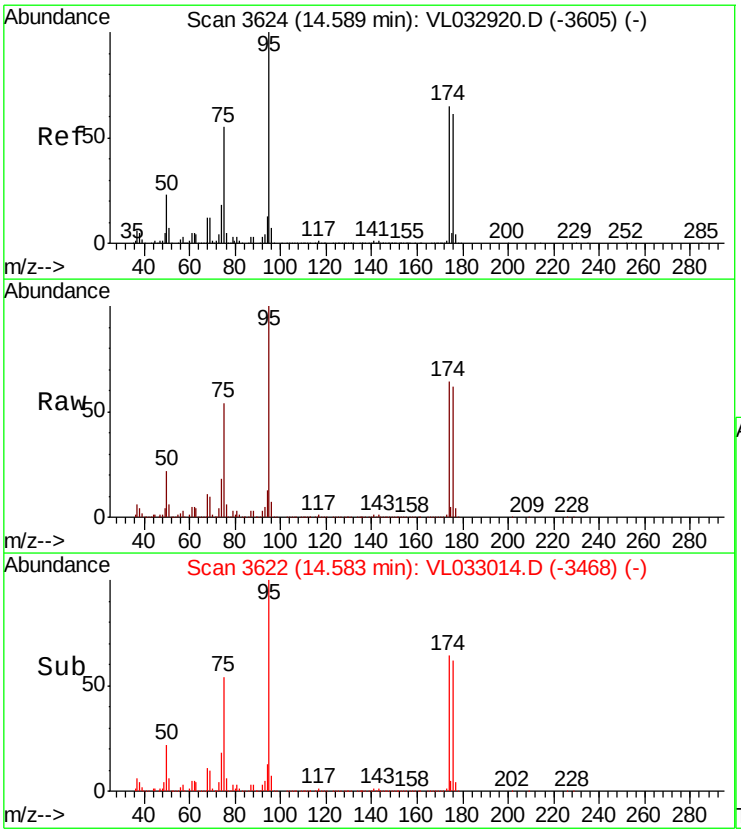
Tgt Ion: 91 Resp: 54569

Ion	Ratio	Lower	Upper
91	100		
106	45.8	21.9	65.8

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-01

Manual Integrations APPROVED
MMDadoda
12/19/2018 5:37:45 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 11.443 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 95 Resp: 2147248

Ion	Ratio	Lower	Upper
95	100		
174	67.0	51.4	77.0
175	5.0	3.8	5.6