Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033010.D
Acq On : 18 Dec 2018 00:30
Operator : SY/AP
Sample : J6444-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : YT-CBA-LTM5-05

Manual Integrations APPROVED
MMDadoda
12/19/2018 5:36:57 PM

Quant Time: Dec 19 15:44:18 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	899125	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2705126	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2081215	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2181990	14.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 141.90%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	80686	0.672	ppbv		96
3) Chlorodifluoromethane	3.02	51	46249m	0.679	ppbv		
4) Chloromethane	3.17	50	30801	0.777	ppbv		91
9) Propene	3.05	41	1226137m	45.539	ppbv		
10) Heptane	8.25	43	28566	0.282	ppbv		94
11) Trichlorofluoromethane	4.01	101	38644	0.342	ppbv		96
13) Ethanol	3.65	45	504505	54.420	ppbv		97
15) Acetone	3.90	43	843642m	10.932	ppbv		
19) Isopropyl Alcohol	4.03	45	143047	2.952	ppbv	#	1
20) Methylene Chloride	4.41	84	41022	1.088	ppbv		95
26) Hexane	5.78	57	146927	1.746	ppbv	#	54
27) Carbon Disulfide	4.63	76	37821m	0.359	ppbv		
34) 2-Butanone	5.34	43	53240	0.452	ppbv		99
36) Benzene	7.01	78	148593	0.747	ppbv		95
44) 2,2,4-Trimethylpentane	8.00	57	91935	0.272	ppbv	#	73
52) Tetrachloroethene	11.38	164	9779	0.135	ppbv		86
53) Toluene	9.97	91	23254373	110.200	ppbv	#	83
58) Ethyl Benzene	12.87	91	65143	0.293	ppbv		95
59) m/p-Xylene	13.13	91	208090m	1.034	ppbv		
60) o-Xylene	13.86	91	75105m	0.369	ppbv		
73) 1,3,5-Trimethylbenzene	16.16	105	35365m	0.160	ppbv		
74) 1,2,4-Trimethylbenzene	16.94	105	125294	0.501	ppbv	#	71

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033010.D
Acq On : 18 Dec 2018 00:30
Operator : SY/AP
Sample : J6444-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 15:44:18 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-LTM5-05

Manual Integrations APPROVED
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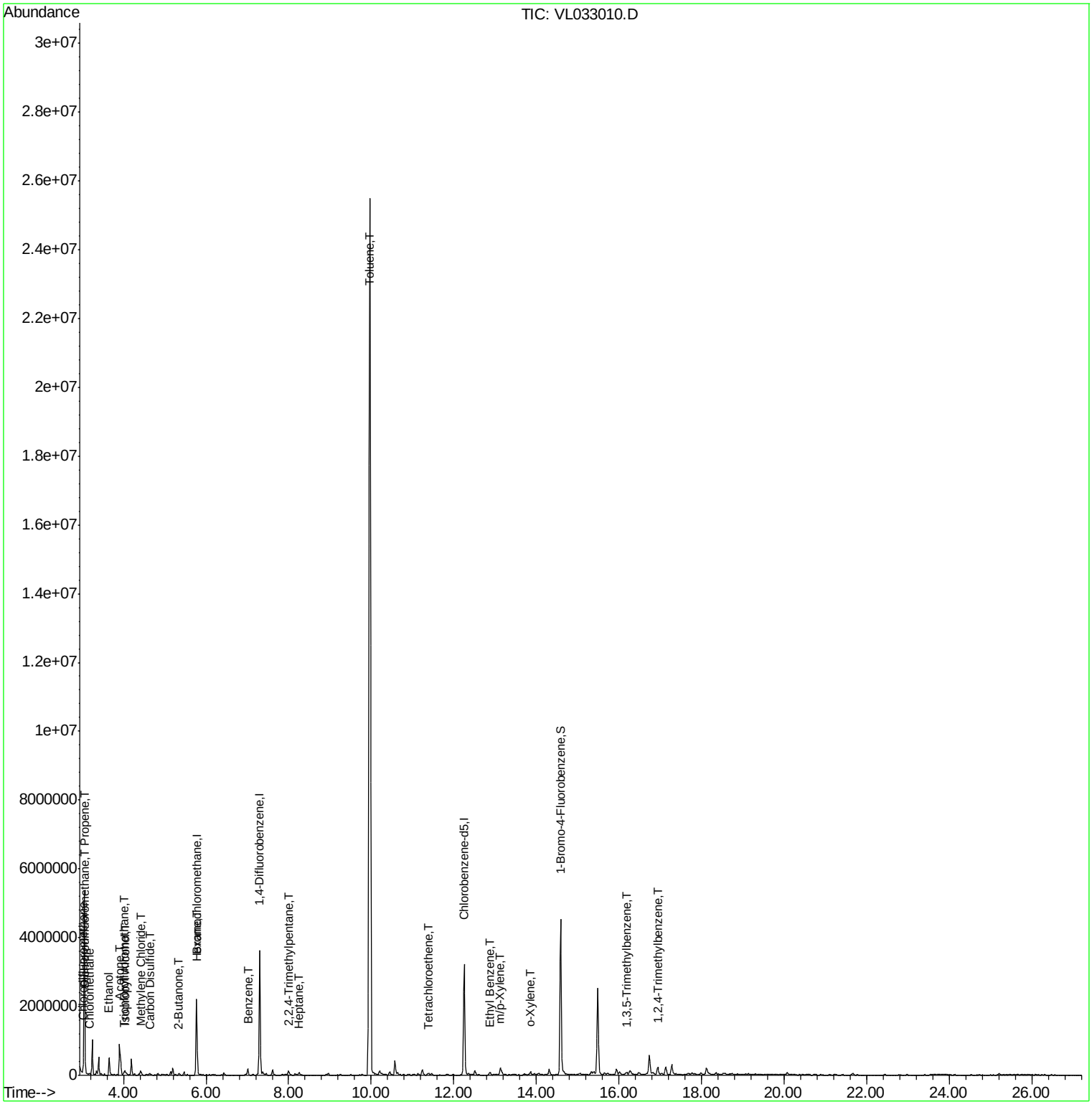
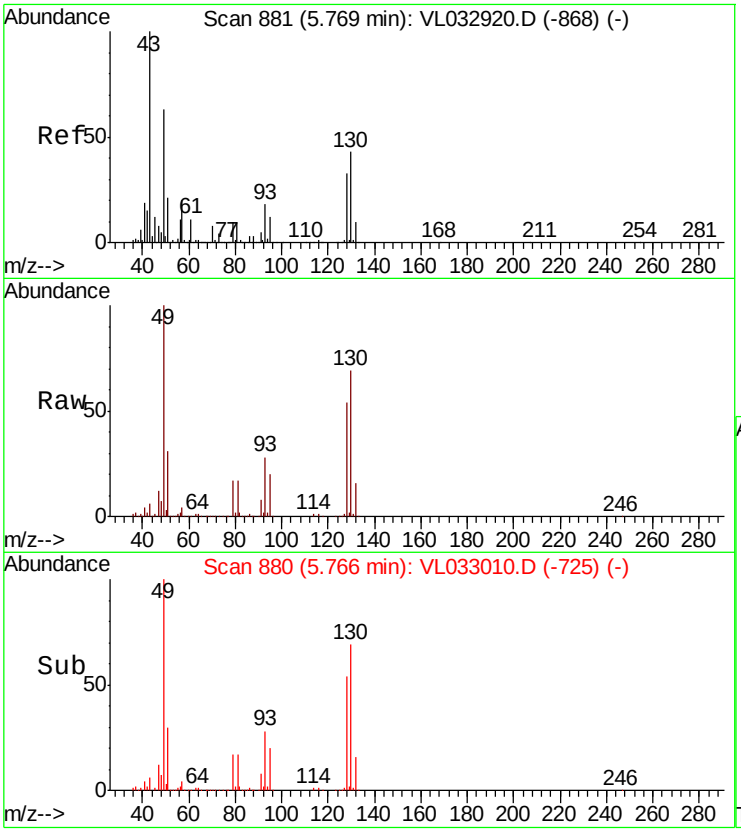
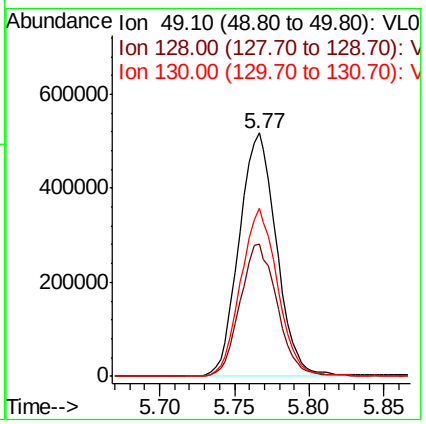




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 49 Resp: 899125

Ion	Ratio	Lower	Upper
49	100		
128	54.0	26.3	78.8
130	69.1	33.9	101.7



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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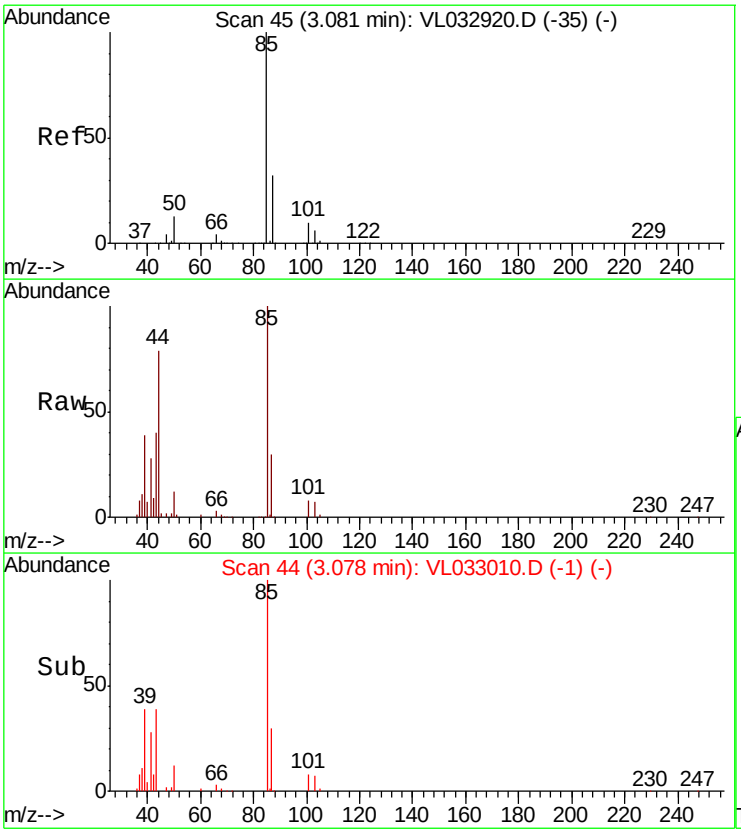
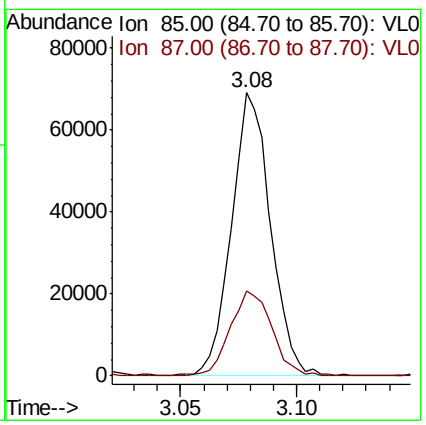
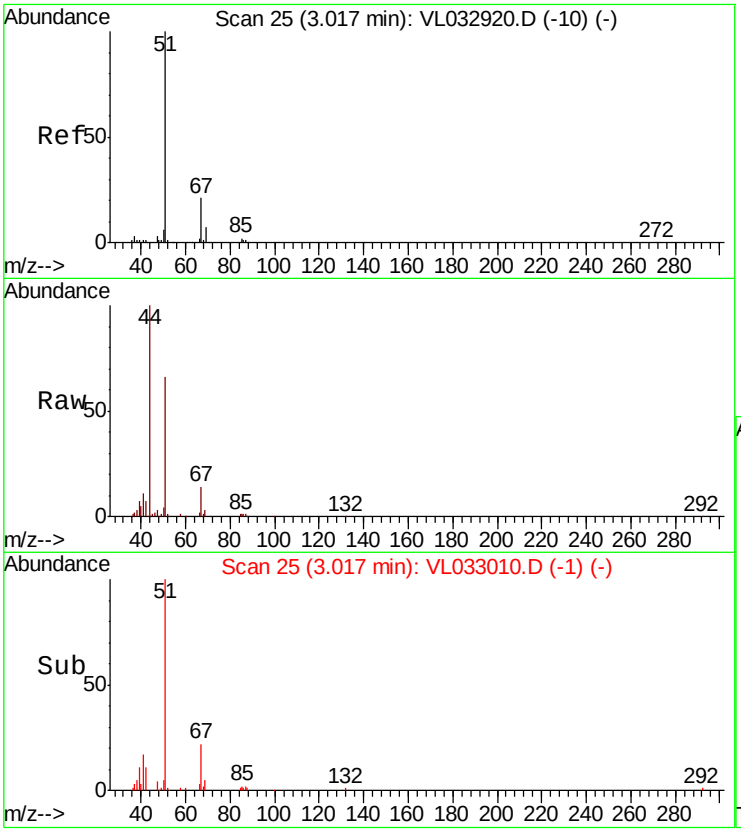


#2
Dichlorodifluoromethane
Concen: 0.672 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 85 Resp: 80686

Ion	Ratio	Lower	Upper
85	100		
87	30.1	25.7	38.5





#3
Chlorodifluoromethane
Concen: 0.679 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 51 Resp: 46249

Ion	Ratio	Lower	Upper
51	100		
67	21.5	16.8	25.2

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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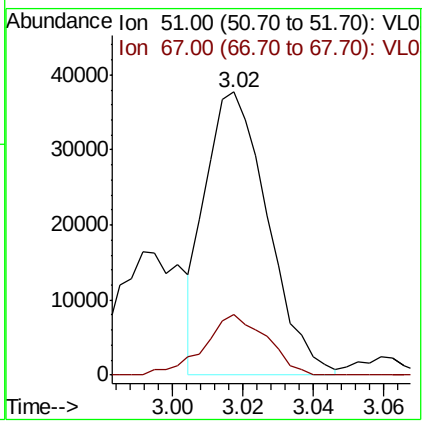
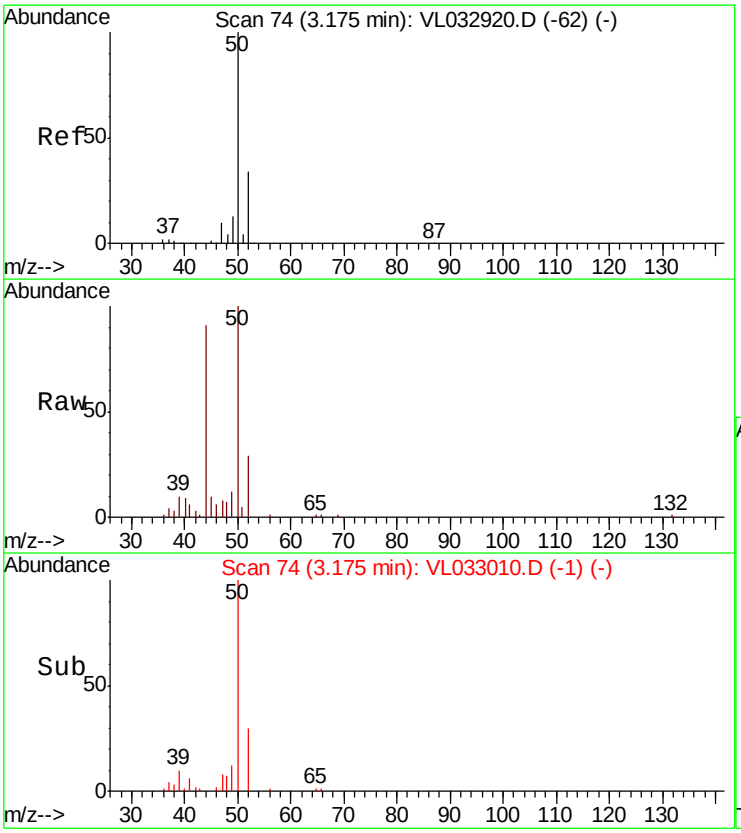
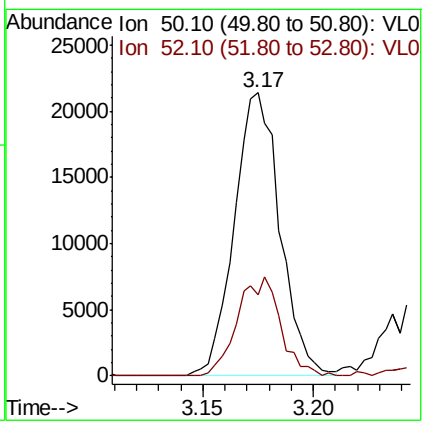


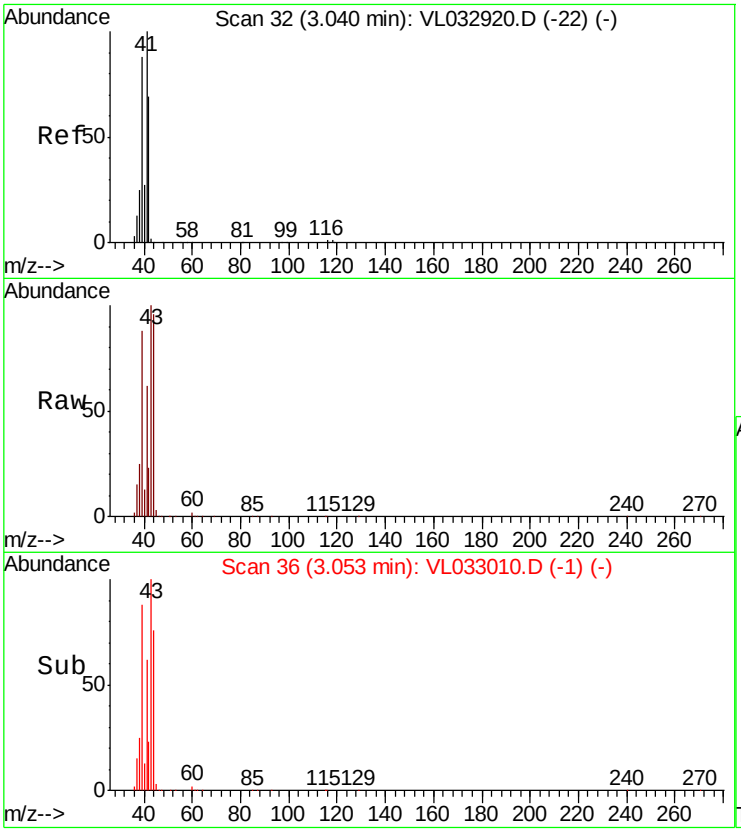


#4
Chloromethane
Concen: 0.777 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 50 Resp: 30801

Ion	Ratio	Lower	Upper
50	100		
52	28.9	27.3	40.9





#9
Propene
Concen: 45.539 ppbv m
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 41 Resp: 1226137

Ion	Ratio	Lower	Upper
41	100		
42	14.4	56.2	84.2#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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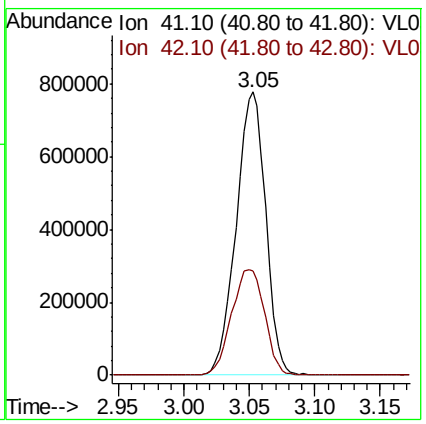
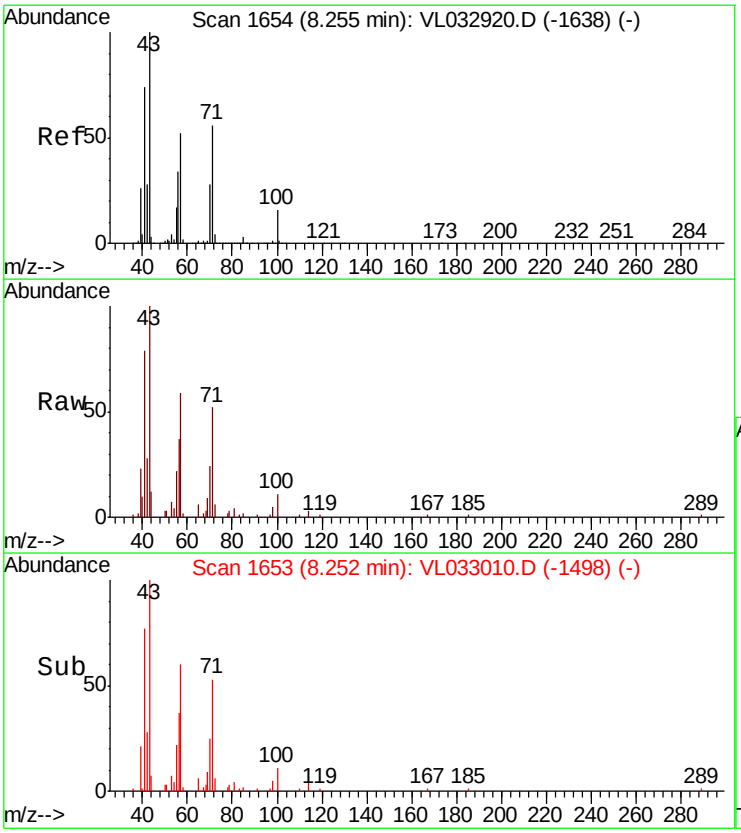
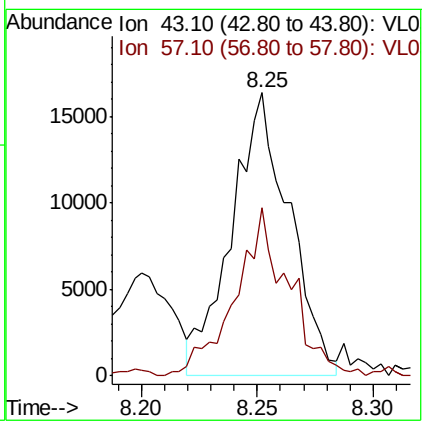


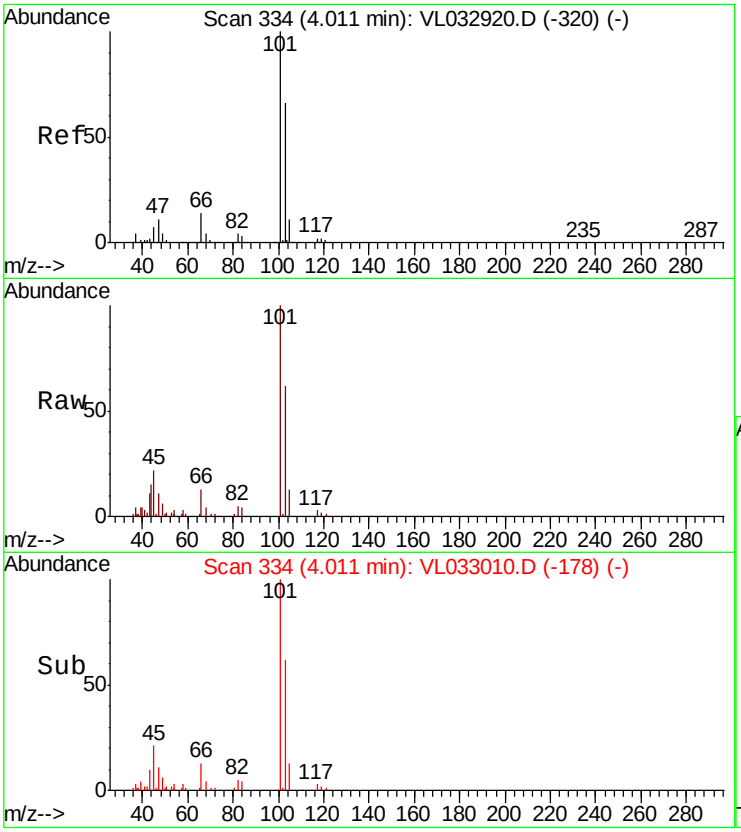


#10
Heptane
Concen: 0.282 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 43 Resp: 28566

Ion	Ratio	Lower	Upper
43	100		
57	56.6	41.8	62.6

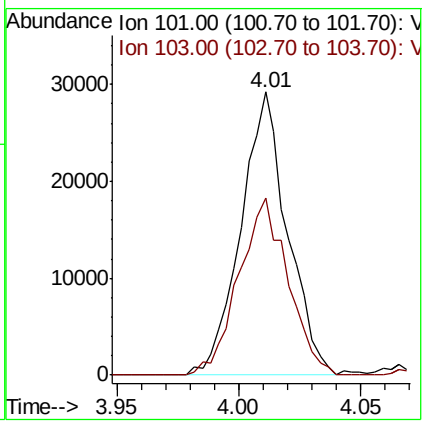




#11
Trichlorofluoromethane
Concen: 0.342 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:101 Resp: 38644

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.7	79.1



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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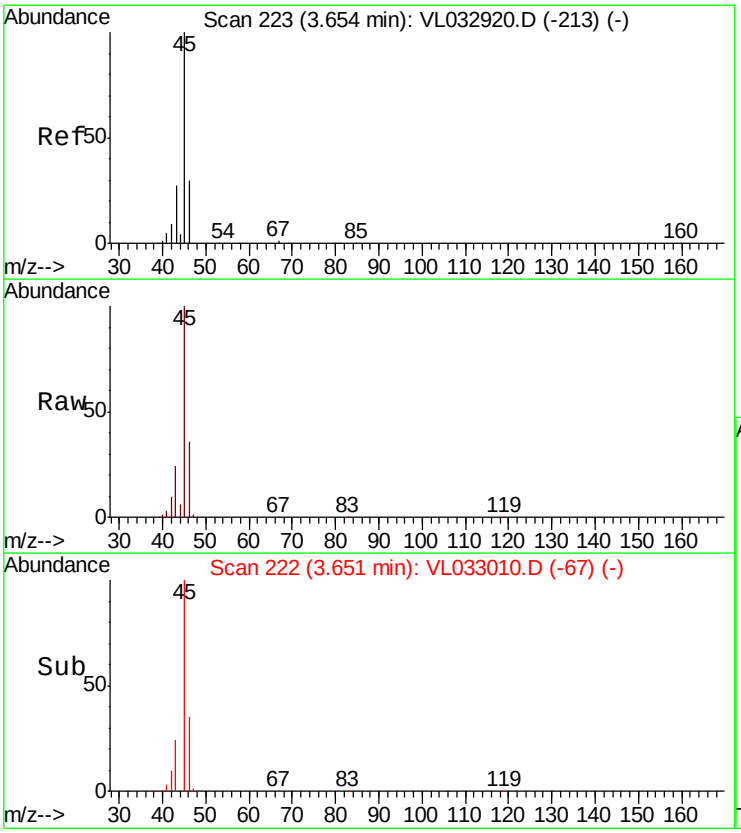
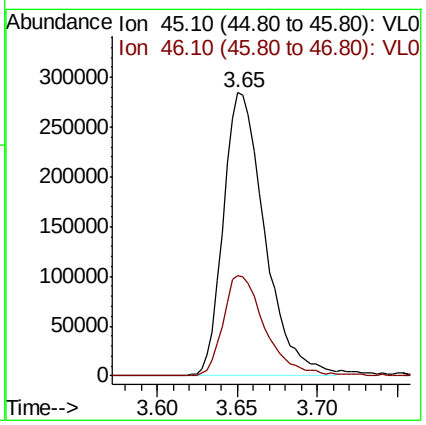
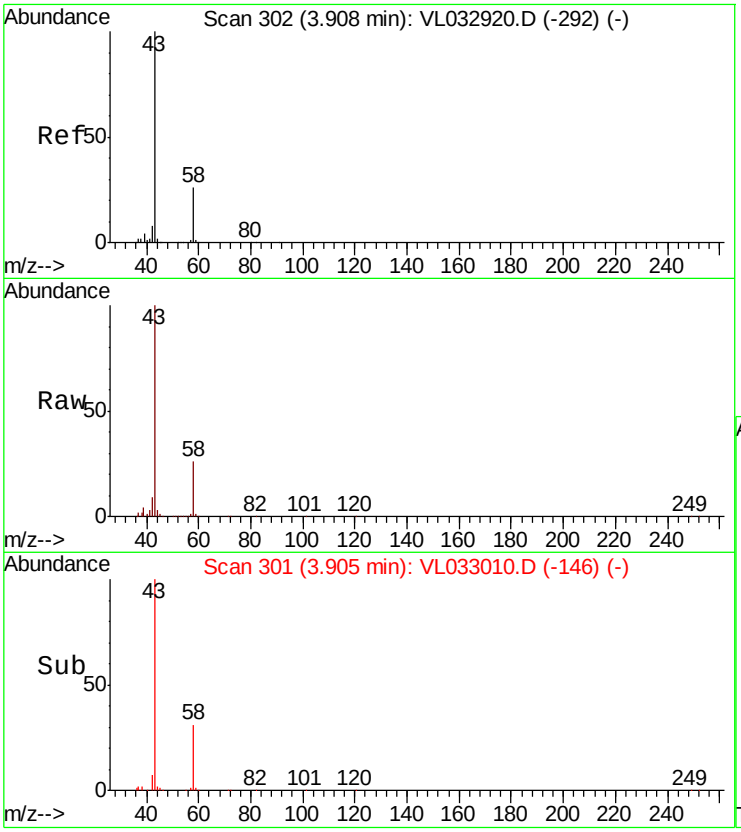


#13
Ethanol
Concen: 54.420 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 45 Resp: 504505

Ion	Ratio	Lower	Upper
45	100		
46	36.3	13.8	55.4





#15
Acetone
Concen: 10.932 ppbv m
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 43 Resp: 843642

Ion	Ratio	Lower	Upper
43	100		
58	28.9	20.6	30.8

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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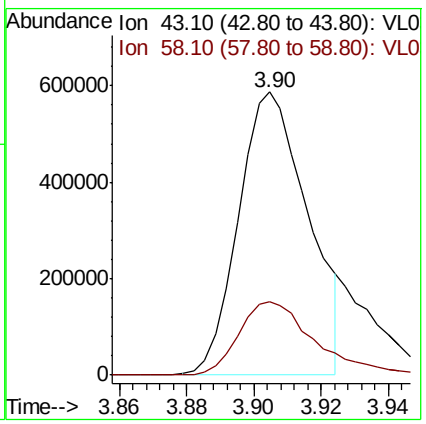
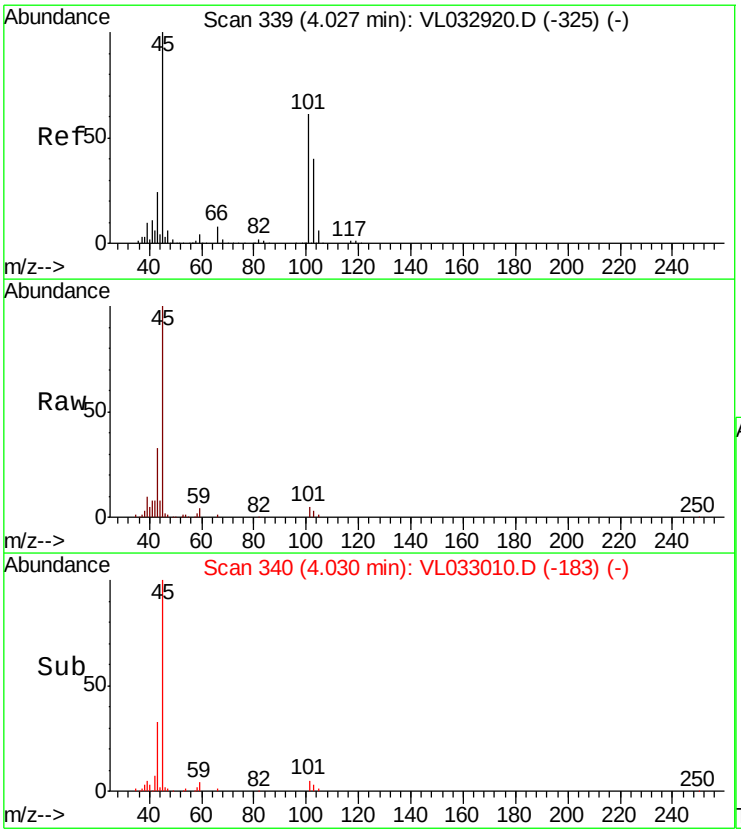
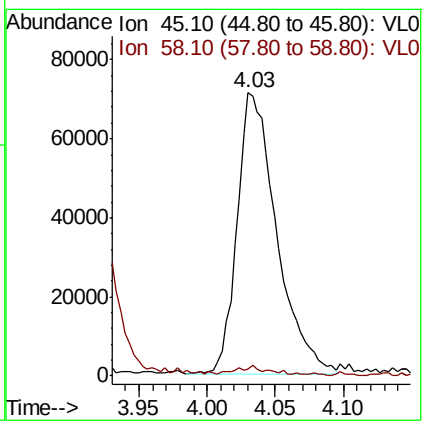


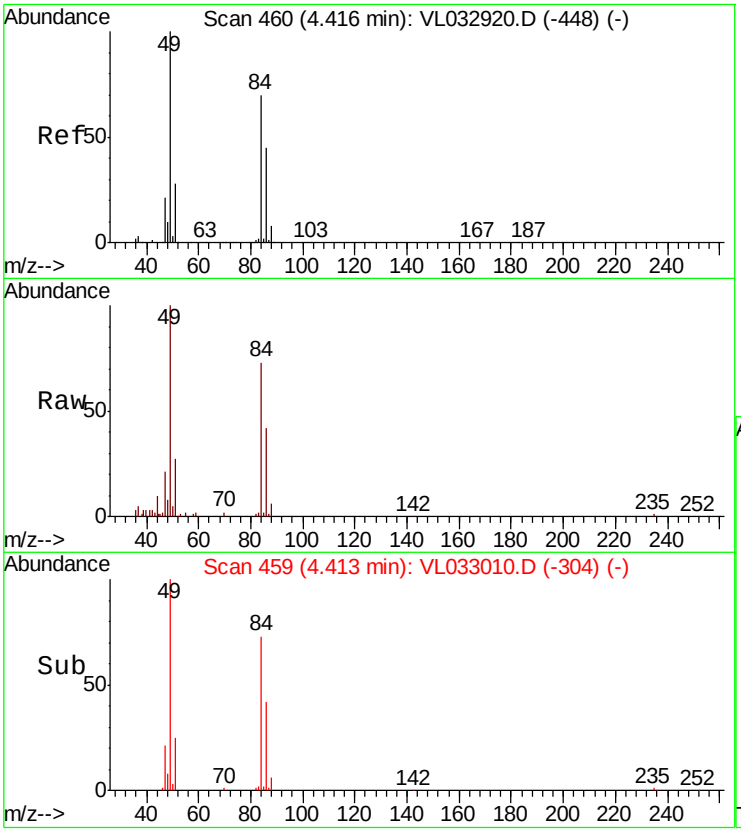


#19
Isopropyl Alcohol
Concen: 2.952 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 45 Resp: 143047

Ion	Ratio	Lower	Upper
45	100		
58	170.7	1.4	2.2#

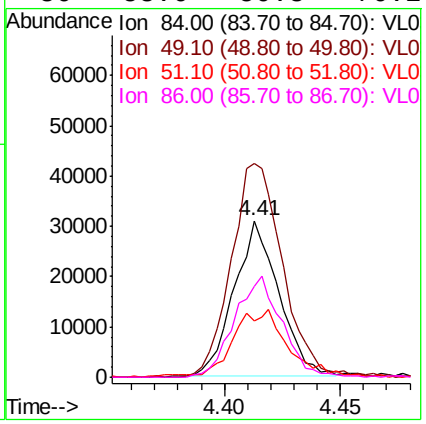




#20
Methylene Chloride
Concen: 1.088 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 84 Resp: 41022

Ion	Ratio	Lower	Upper
84	100		
49	137.1	113.8	170.8
51	35.1	31.8	47.8
86	58.6	50.8	76.2



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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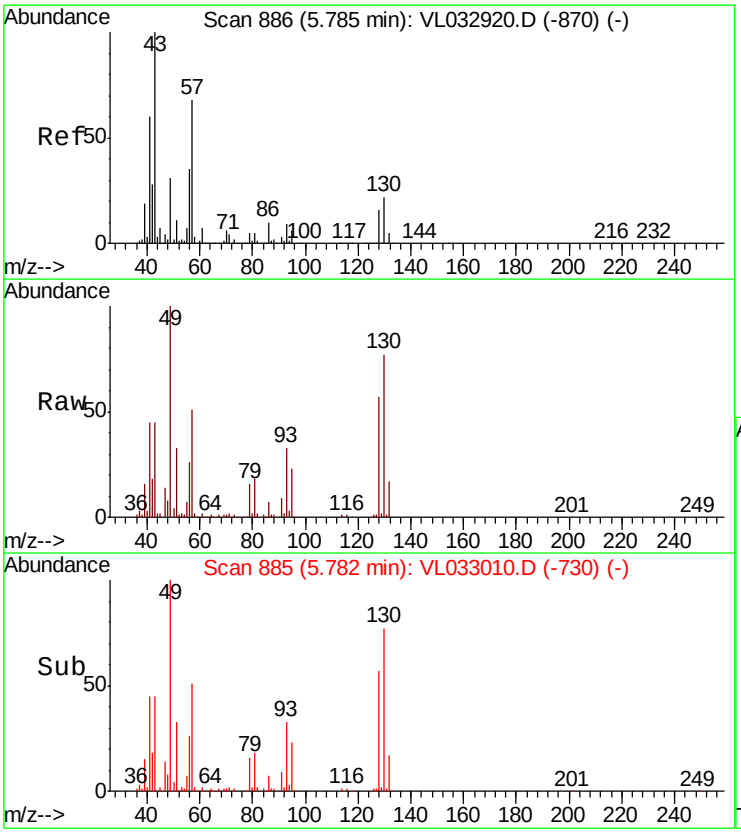
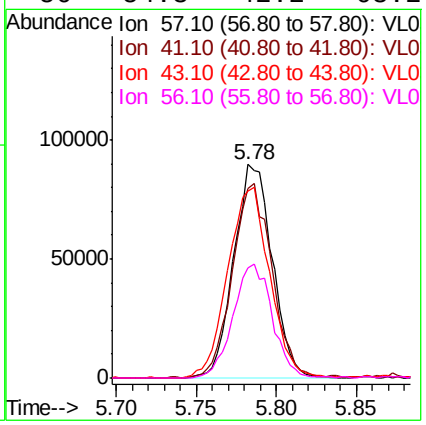
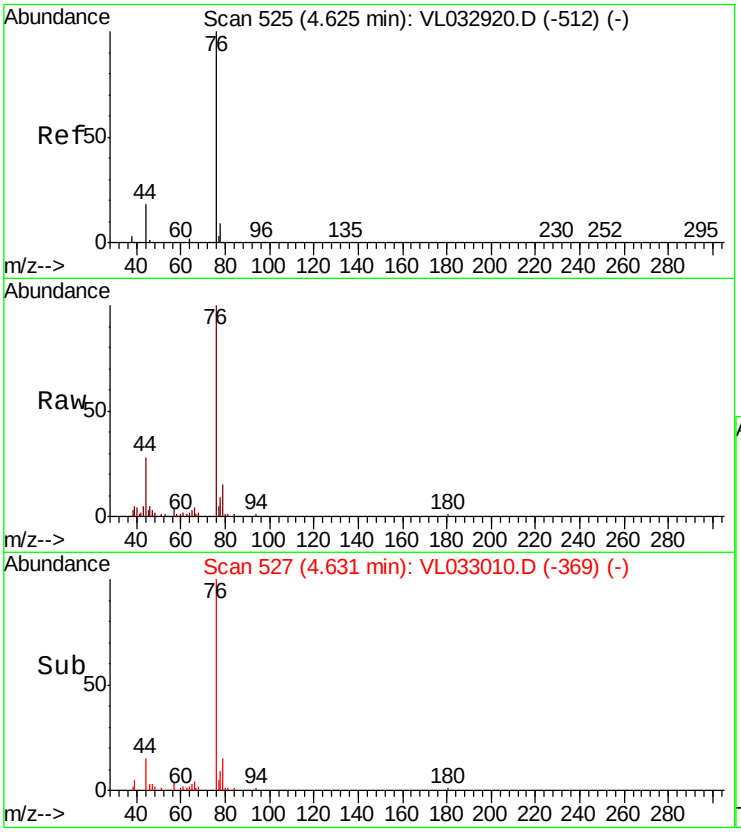


#26
Hexane
Concen: 1.746 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 57 Resp: 146927

Ion	Ratio	Lower	Upper
57	100		
41	94.0	72.2	108.2
43	98.0	171.9	257.9#
56	54.3	42.2	63.2

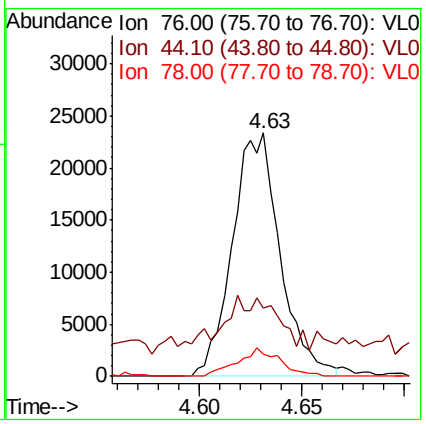




#27
Carbon Disulfide
Concen: 0.359 ppbv m
RT: 4.63 min Scan# 527
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 76 Resp: 37821

Ion	Ratio	Lower	Upper
76	100		
44	35.0	14.7	22.1#
78	0.0	7.4	11.2#



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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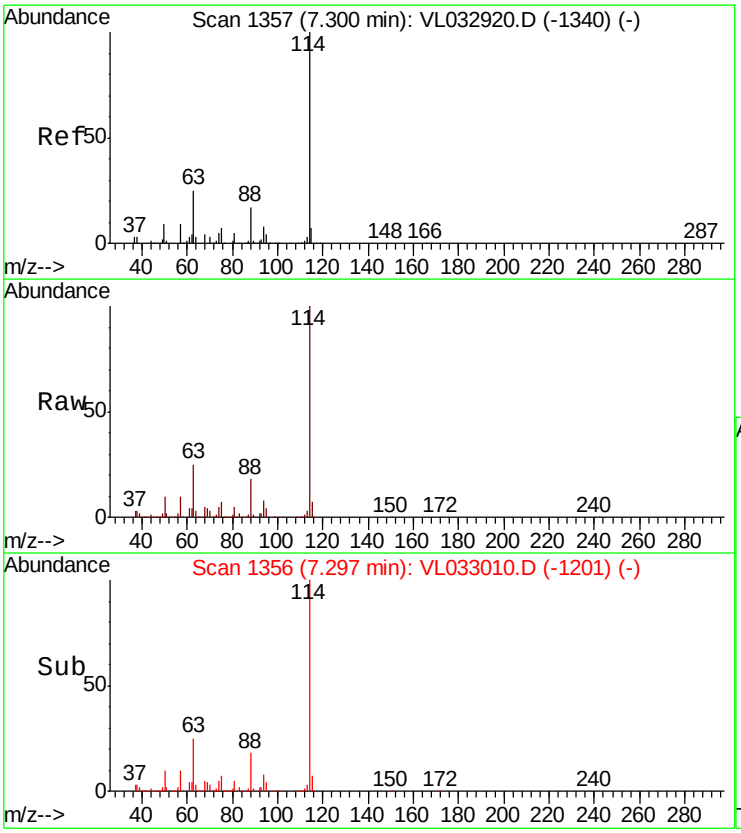
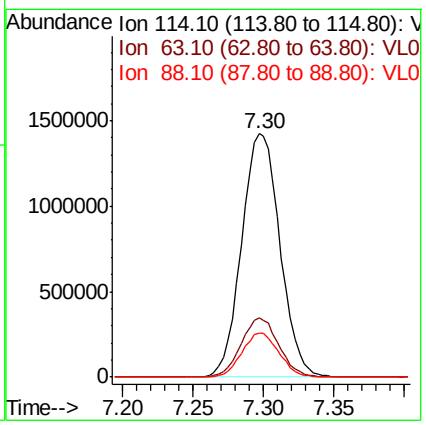
12/19/2018 5:36:57 PM

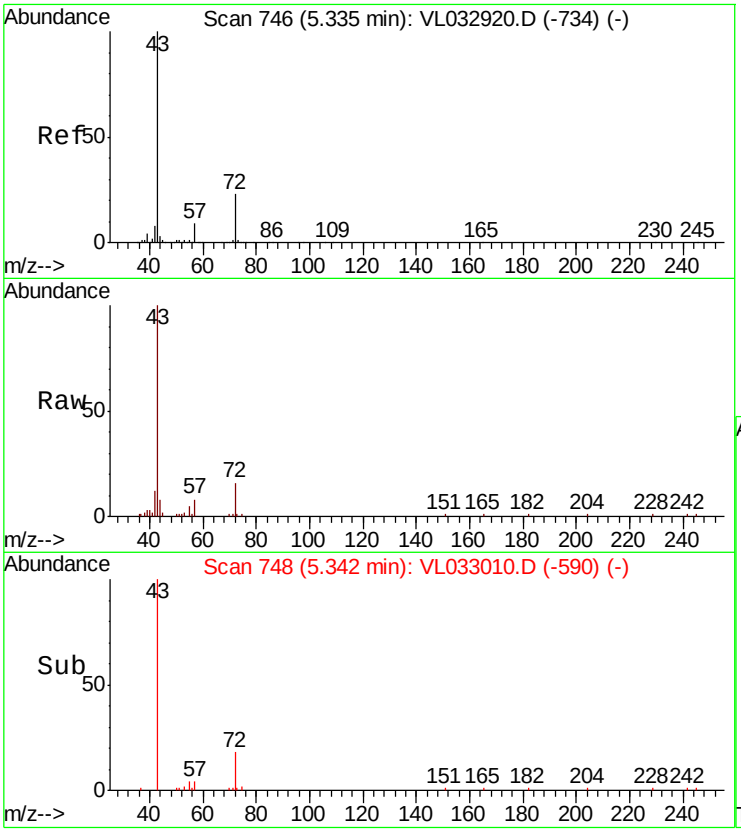


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:114 Resp: 2705126

Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.1	30.1
88	17.7	14.2	21.4

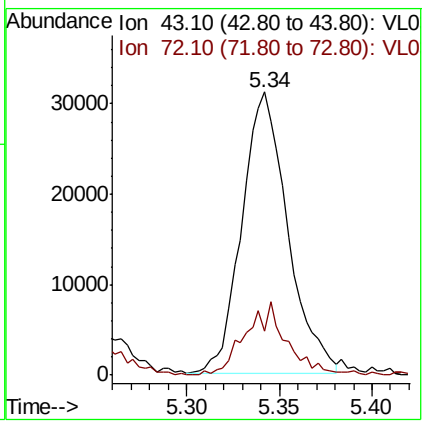




#34
2-Butanone
Concen: 0.452 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 43 Resp: 53240

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.8	28.2



Instrument :
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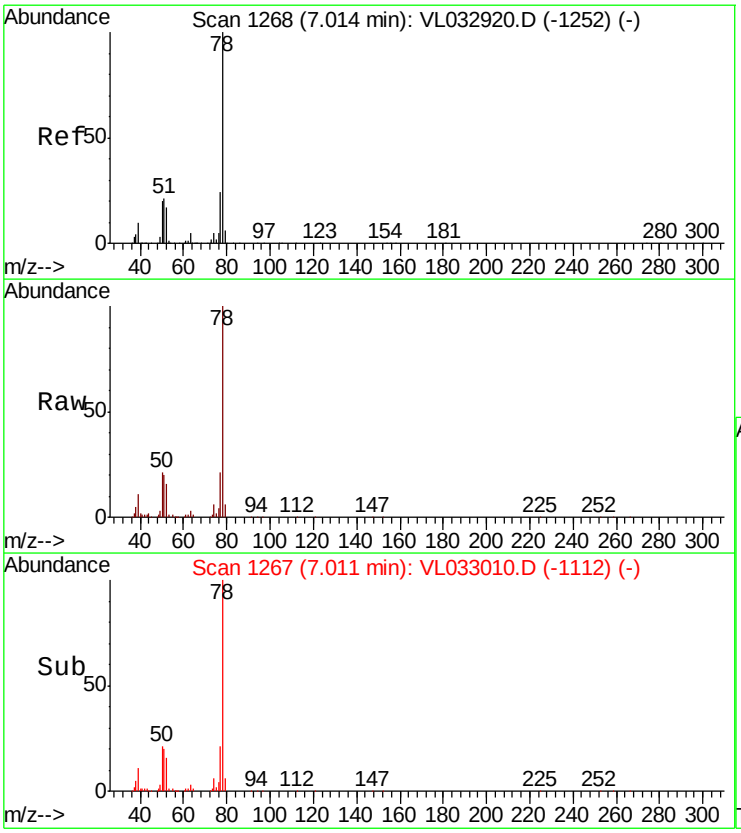
YT-CBA-LTM5-05

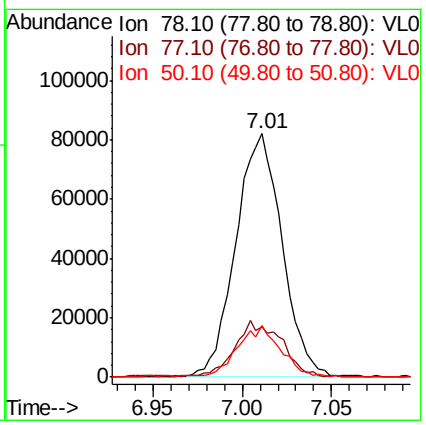
Manual Integrations APPROVED
MMDadoda
12/19/2018 5:36:57 PM

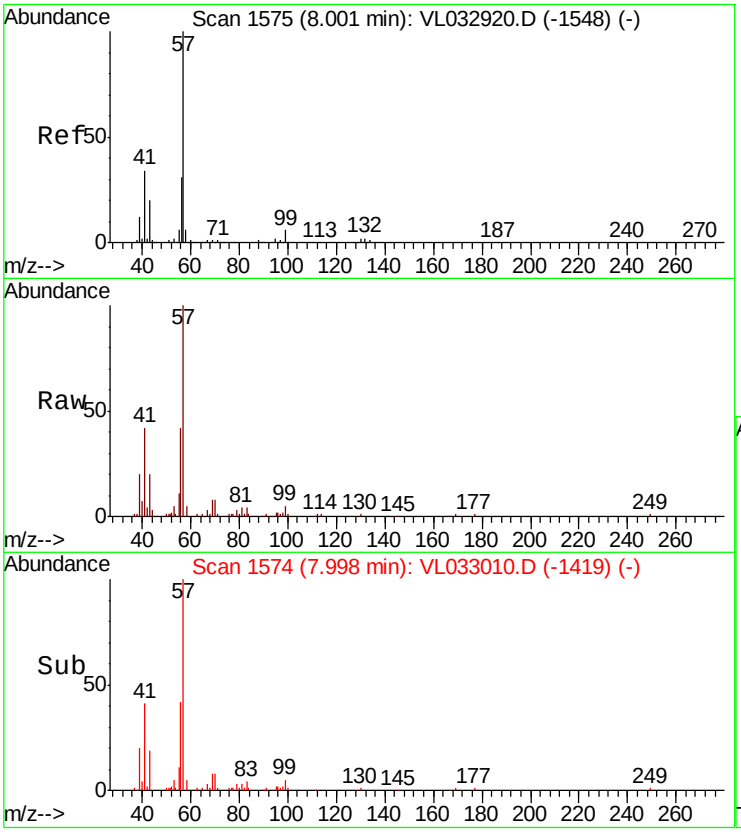


#36
Benzene
Concen: 0.747 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 78 Resp: 148593

Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.9	28.3
50	20.8	16.1	24.1

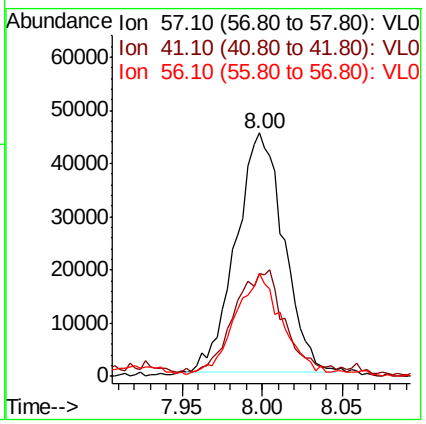




#44
2,2,4-Trimethylpentane
Concen: 0.272 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 57 Resp: 91935

Ion	Ratio	Lower	Upper
57	100		
41	49.7	27.0	40.4#
56	45.1	24.6	37.0#



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

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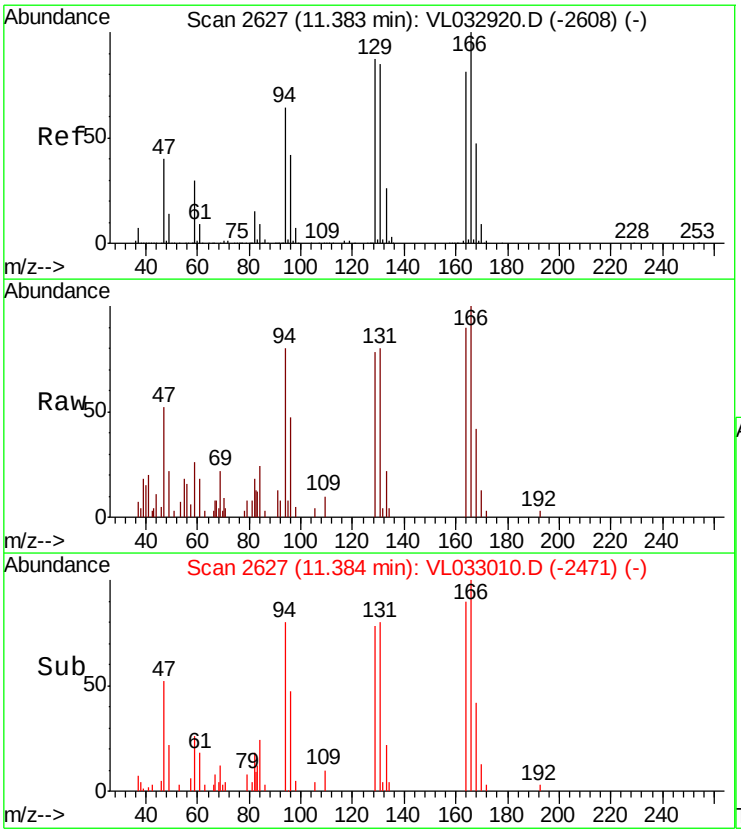
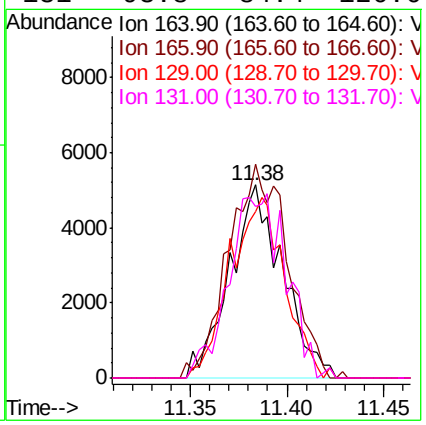
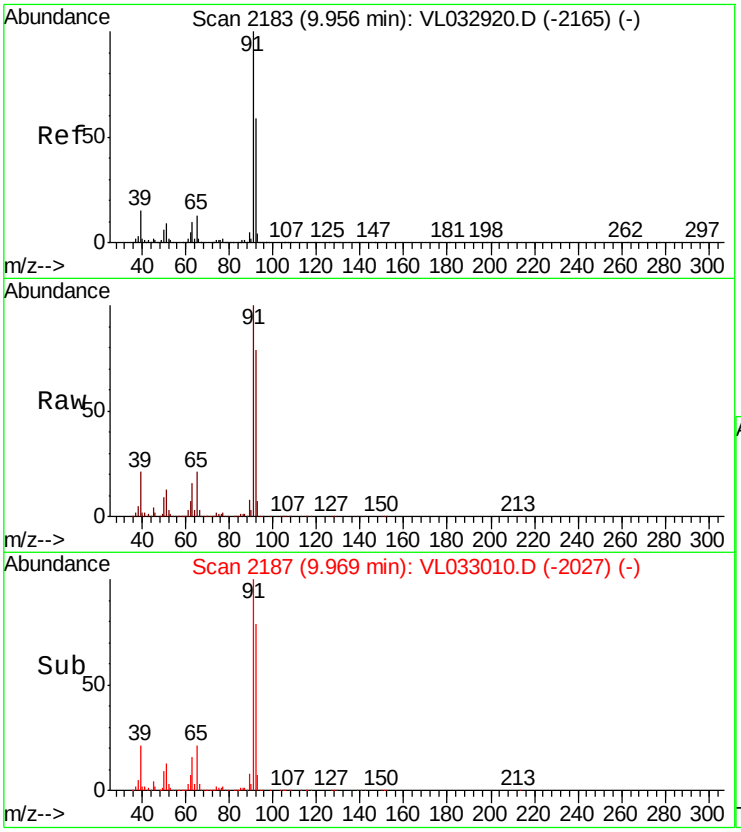


#52
Tetrachloroethene
Concen: 0.135 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:164 Resp: 9779

Ion	Ratio	Lower	Upper
164	100		
166	110.5	98.8	148.2
129	86.4	85.5	128.3
131	93.8	84.4	126.6





#53
Toluene
Concen: 110.200 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 91 Resp:23254373

Ion	Ratio	Lower	Upper
91	100		
92	71.9	47.4	71.0#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

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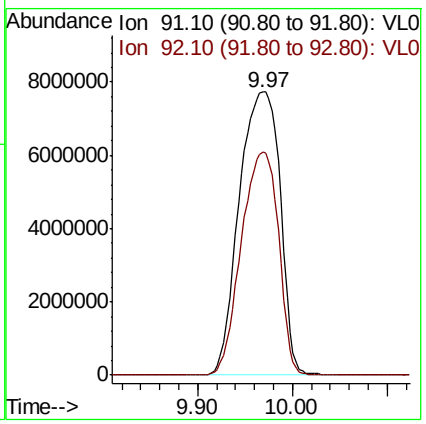
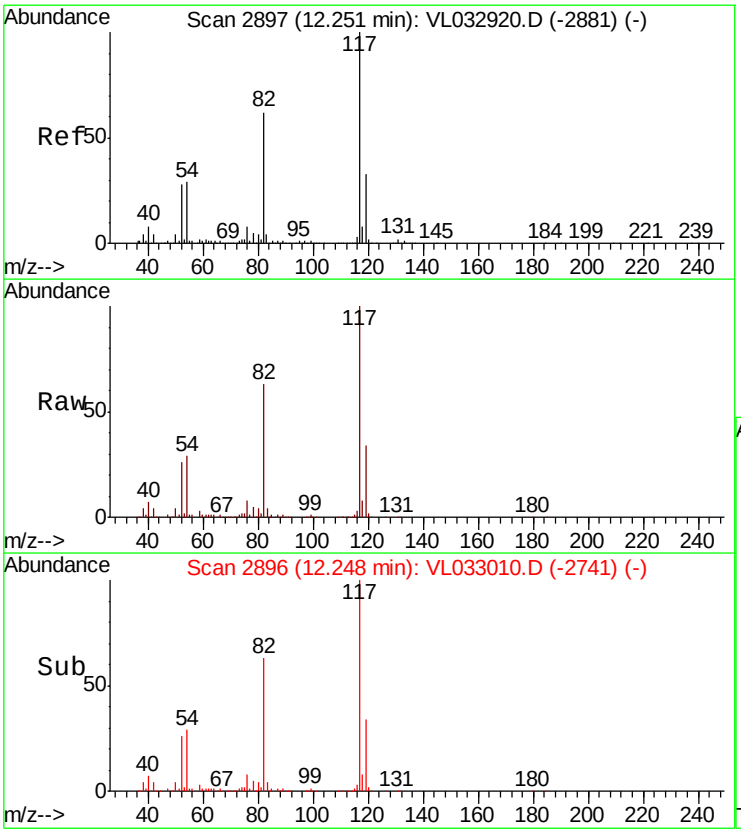
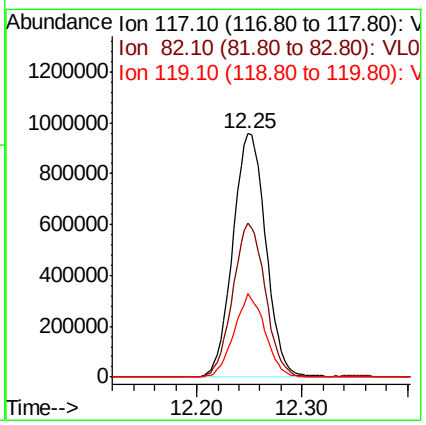


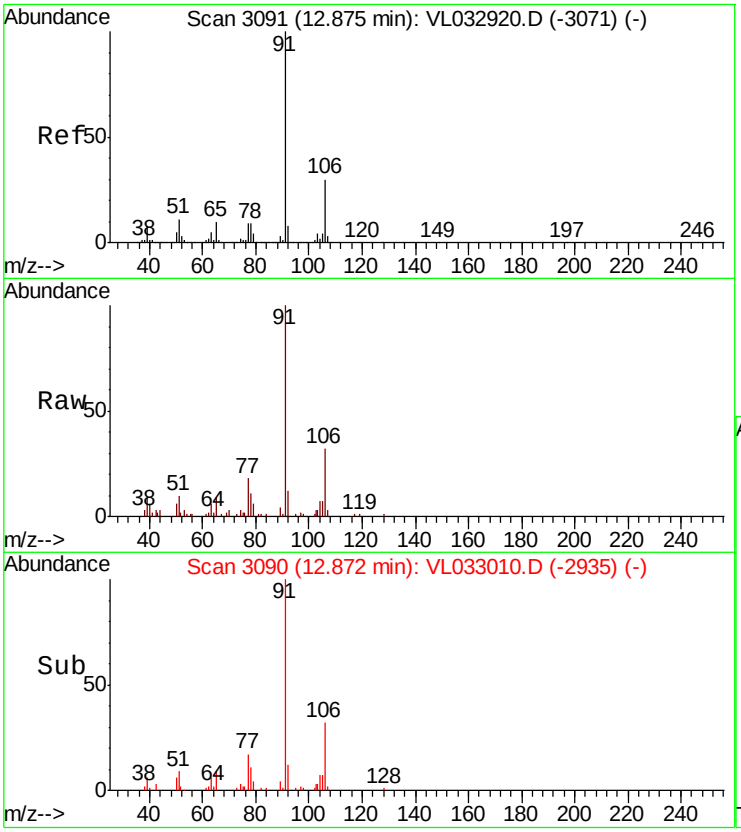


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:117 Resp: 2081215

Ion	Ratio	Lower	Upper
117	100		
82	62.2	47.8	71.8
119	32.0	43.1	64.7#

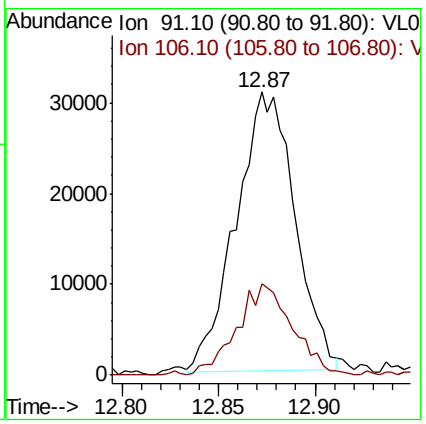




#58
Ethyl Benzene
Concen: 0.293 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 91 Resp: 65143

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

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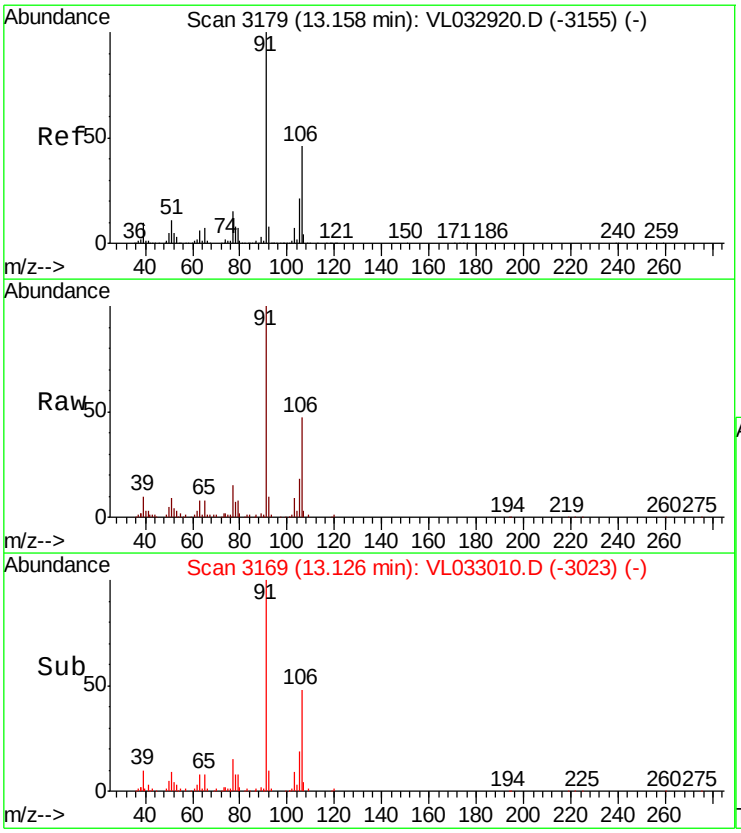
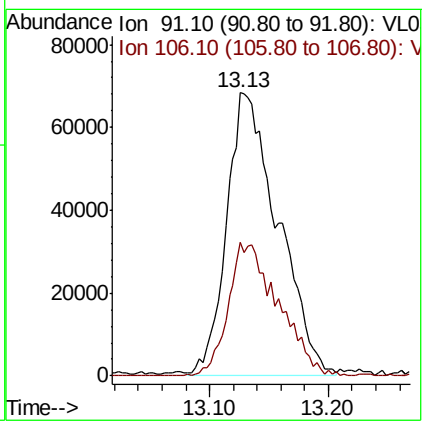
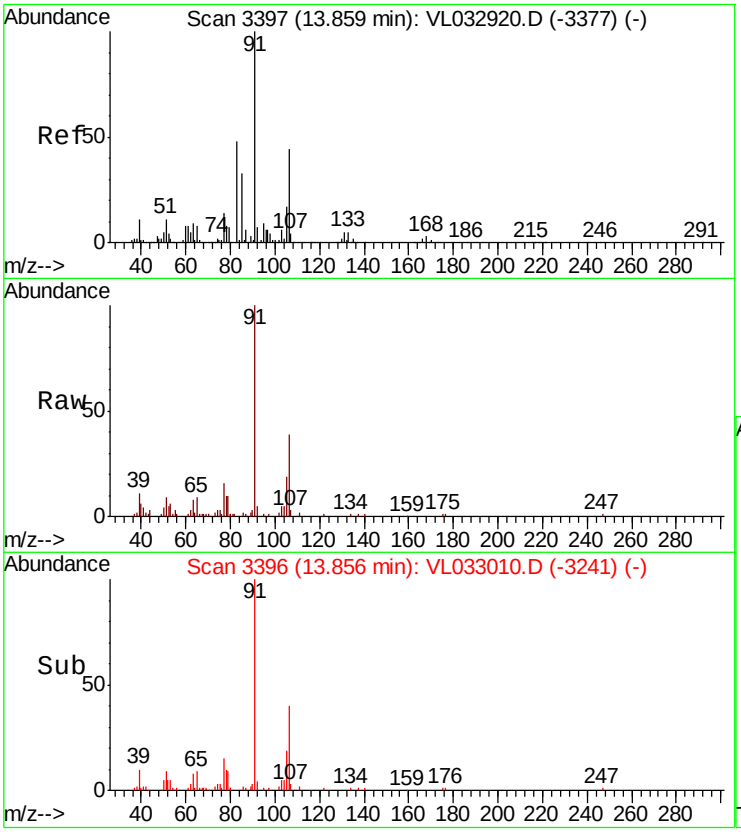


#59
m/p-Xylene
Concen: 1.034 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 91 Resp: 208090

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0





#60
o-Xylene
Concen: 0.369 ppbv m
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 91 Resp: 75105

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.8#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

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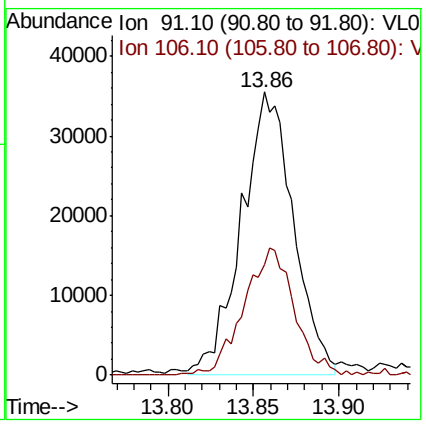
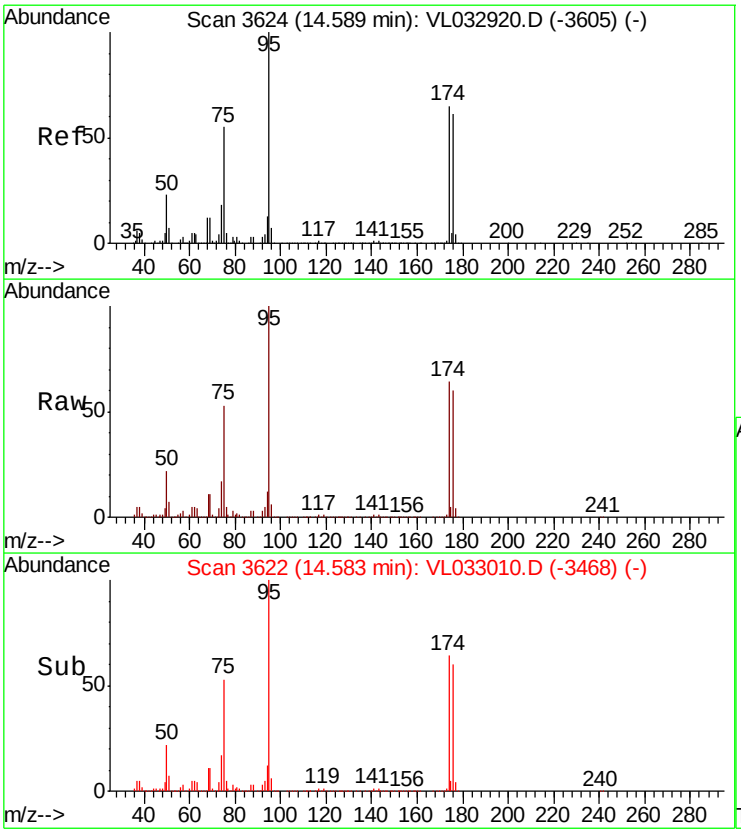
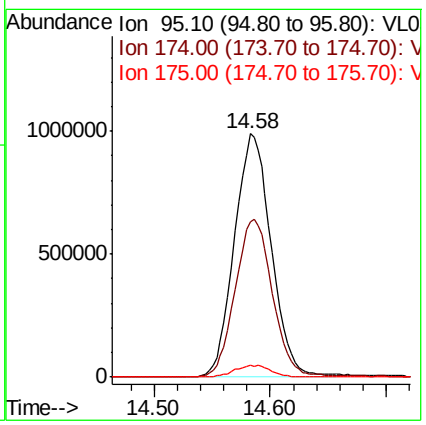


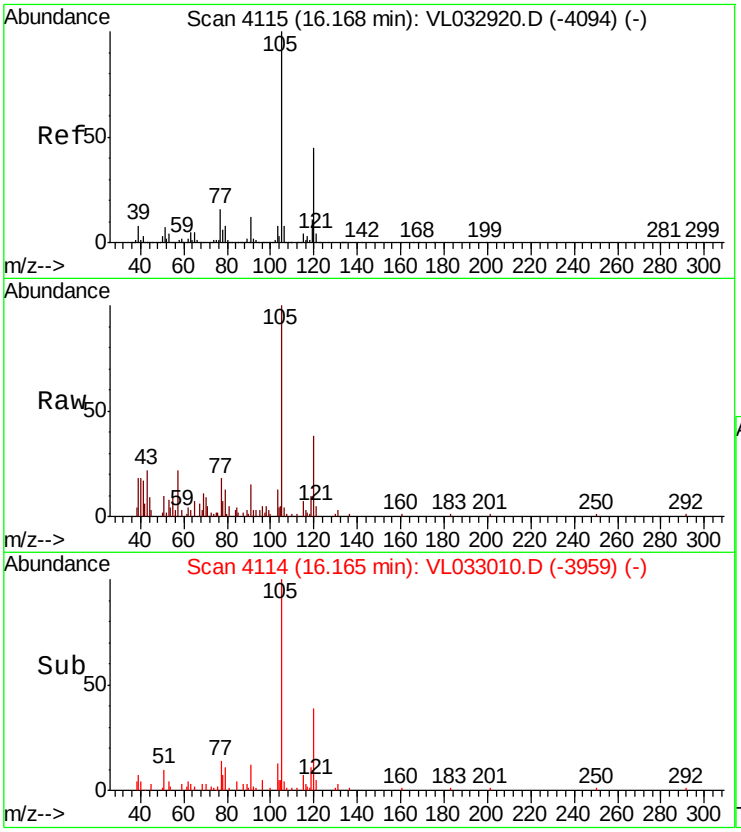


#68
1-Bromo-4-Fluorobenzene
Concen: 14.191 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 95 Resp: 2181990

Ion	Ratio	Lower	Upper
95	100		
174	66.5	51.4	77.0
175	4.9	3.8	5.6





#73
1,3,5-Trimethylbenzene
Concen: 0.160 ppbv m
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:105 Resp: 35365

Ion	Ratio	Lower	Upper
105	100		
120	38.1	36.0	54.0

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-05

Manual Integrations APPROVED
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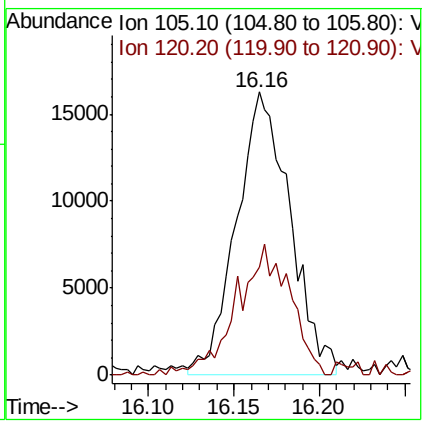

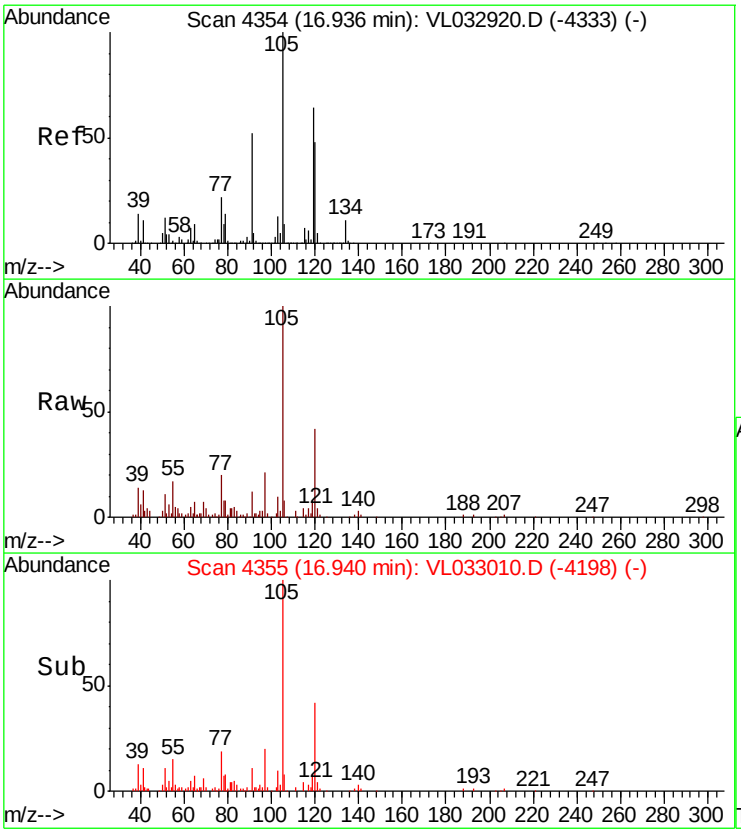

#74
1,2,4-Trimethylbenzene
Concen: 0.501 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:105 Resp: 125294

Ion	Ratio	Lower	Upper
105	100		
120	43.5	38.6	58.0
91	10.8	41.7	62.5#
77	19.1	17.4	26.2