Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
Data File : VL034103.D
Acq On : 12 Aug 2019 14:33
Operator : SY/AP
Sample : K4185-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BP-VPB203-AIR-UW-20190805

Manual Integrations APPROVED
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8/16/2019 8:54:15 AM

Quant Time: Aug 13 12:49:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 0
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1064441	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.24	114	2055097	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.17	117	2142892	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.51	95	1844281	10.61	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	30742	0.235	ppbv		100
3) Chlorodifluoromethane	2.98	51	45911	0.373	ppbv	#	90
4) Chloromethane	3.14	50	35524	0.448	ppbv	#	88
9) Propene	3.02	41	34420m	0.474	ppbv		
11) Trichlorofluoromethane	3.97	101	33631	0.217	ppbv		93
13) Ethanol	3.62	45	81249m	3.973	ppbv		
15) Acetone	3.86	43	923795	6.073	ppbv		96
20) Methylene Chloride	4.37	84	65506	1.436	ppbv		94
26) Hexane	5.73	57	86368	0.681	ppbv	#	48
34) 2-Butanone	5.29	43	73867m	0.387	ppbv		
35) Carbon Tetrachloride	7.09	117	9682m	0.061	ppbv		
36) Benzene	6.94	78	32862	0.141	ppbv	#	93
38) Trichloroethene	7.91	130	2899m	0.032	ppbv		
53) Toluene	9.89	91	178676	0.663	ppbv		99
59) m/p-Xylene	13.07	91	35014m	0.121	ppbv		
74) 1,2,4-Trimethylbenzene	16.86	105	45789m	0.134	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
Data File : VL034103.D
Acq On : 12 Aug 2019 14:33
Operator : SY/AP
Sample : K4185-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 12:49:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

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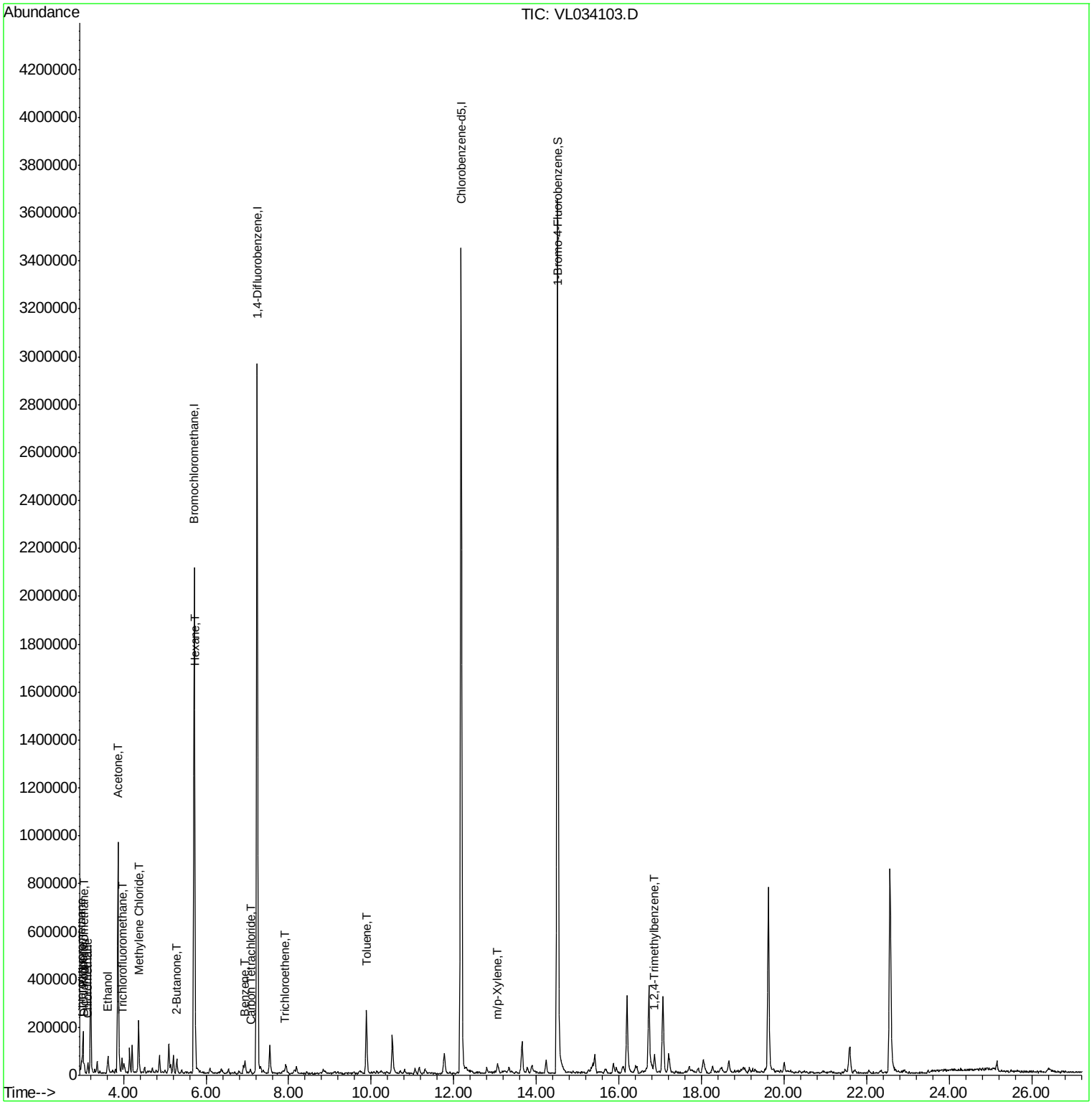
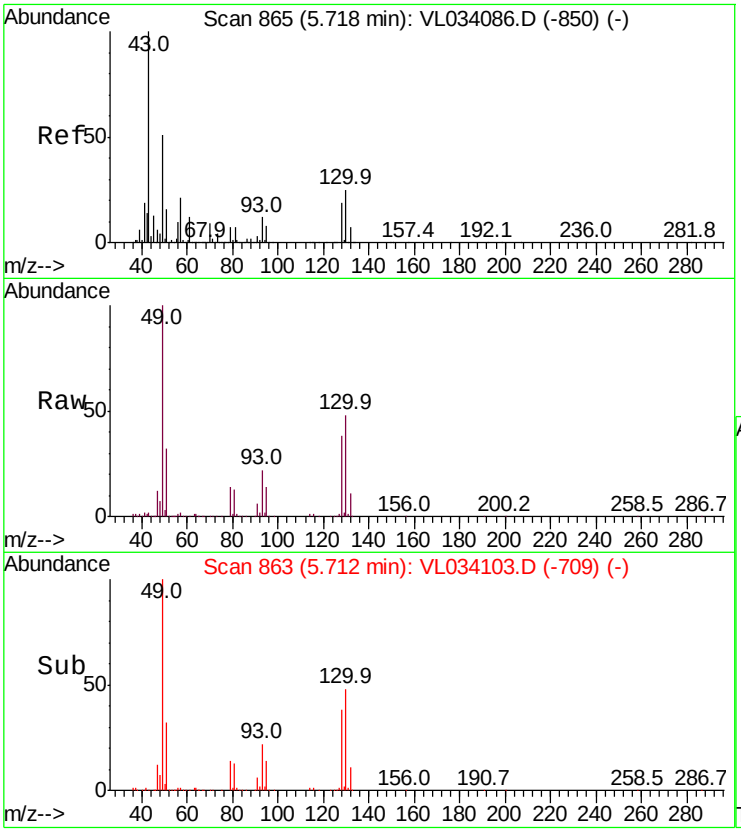
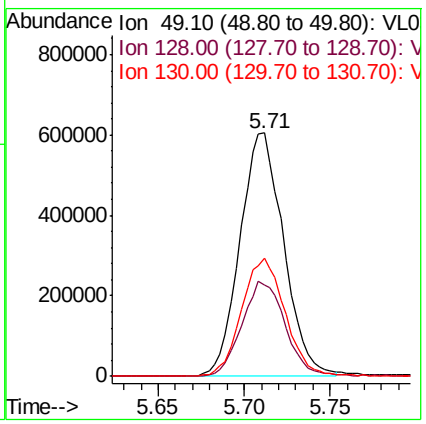




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 49 Resp: 1064441

Ion	Ratio	Lower	Upper
49	100		
128	38.6	19.5	58.5
130	48.4	25.4	76.0



Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

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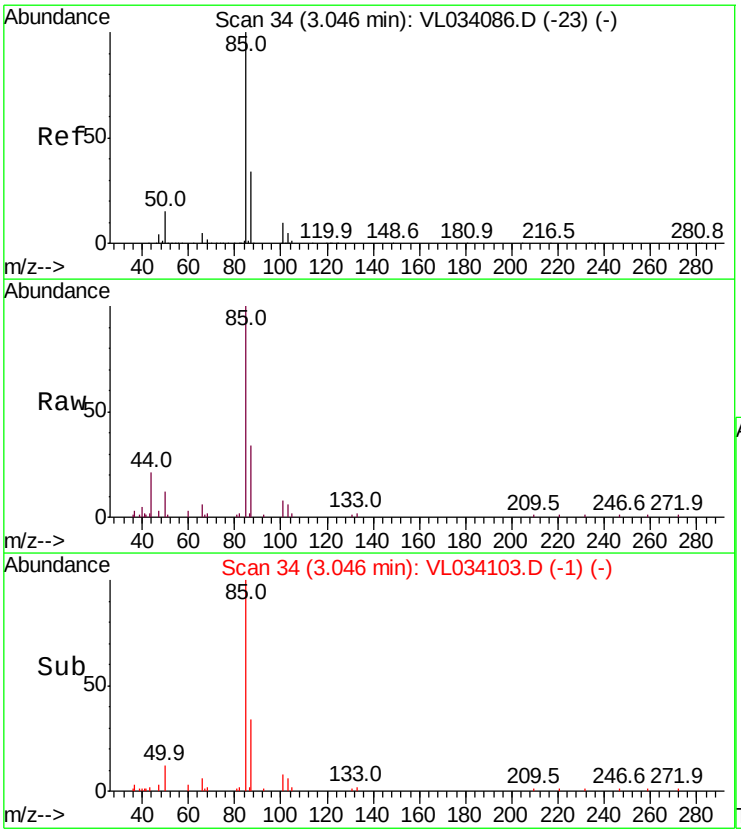
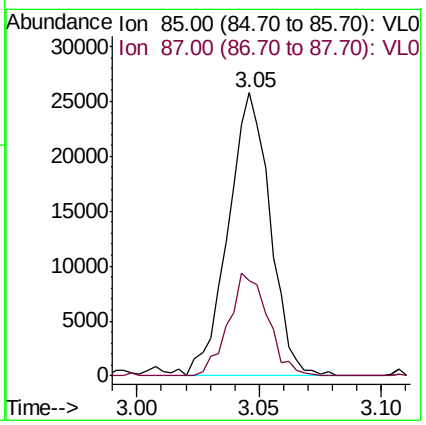
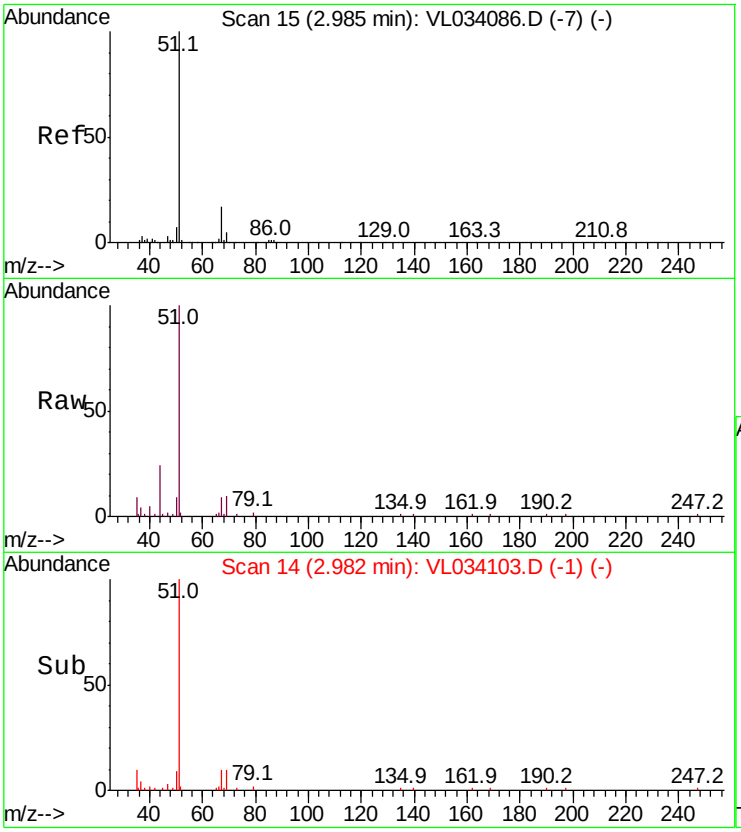


#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 85 Resp: 30742

Ion	Ratio	Lower	Upper
85	100		
87	33.7	27.1	40.7





#3
Chlorodifluoromethane
Concen: 0.373 ppbv
RT: 2.98 min Scan# 14
Delta R.T. -0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 51 Resp: 45911

Ion	Ratio	Lower	Upper
51	100		
67	12.4	13.3	19.9#

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

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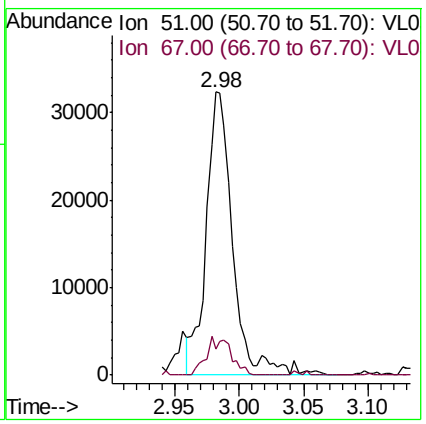
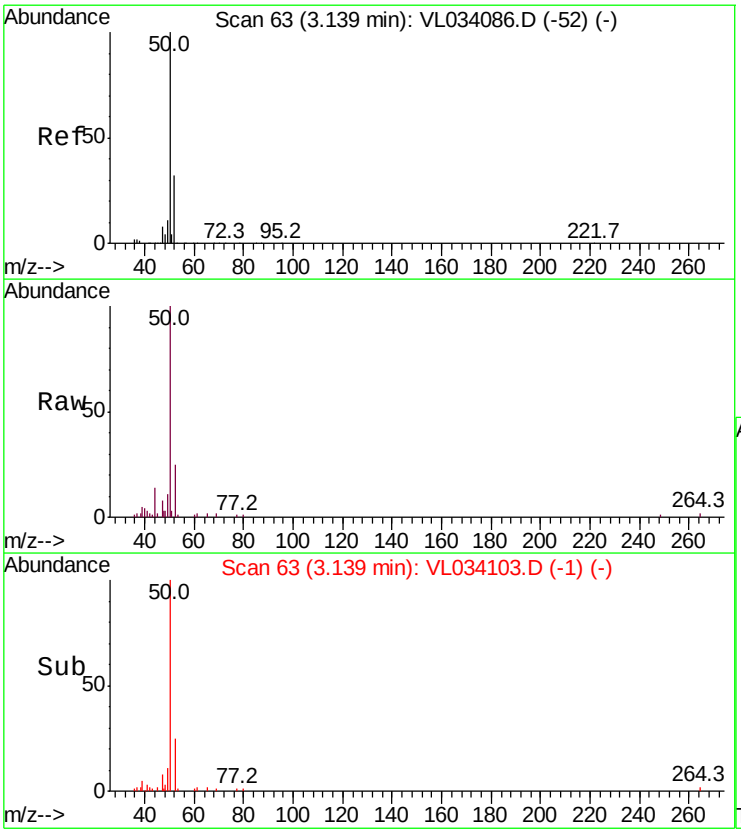
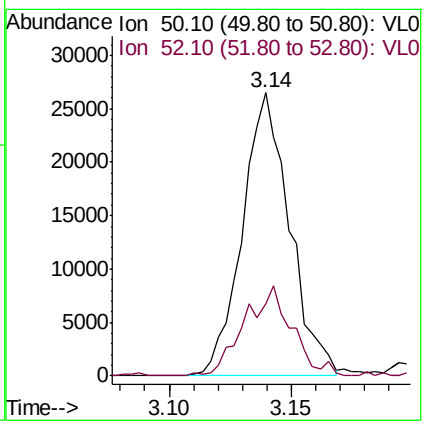


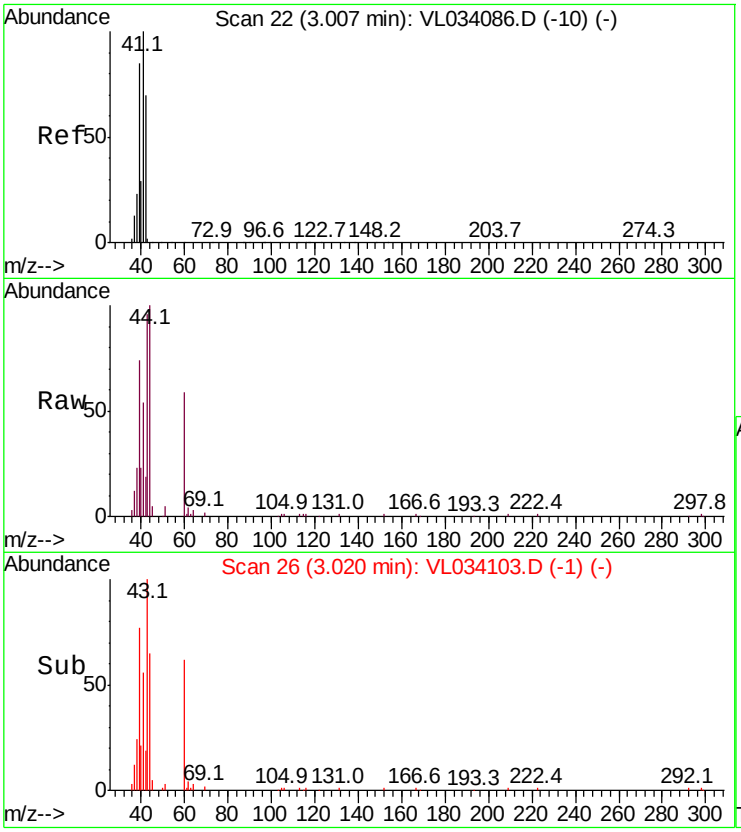


#4
Chloromethane
Concen: 0.448 ppbv
RT: 3.14 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 50 Resp: 35524

Ion	Ratio	Lower	Upper
50	100		
52	25.5	25.7	38.5#





#9
Propene
Concen: 0.474 ppbv m
RT: 3.02 min Scan# 26
Delta R.T. 0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 41 Resp: 34420

Ion	Ratio	Lower	Upper
41	100		
42	49.4	55.8	83.6#

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

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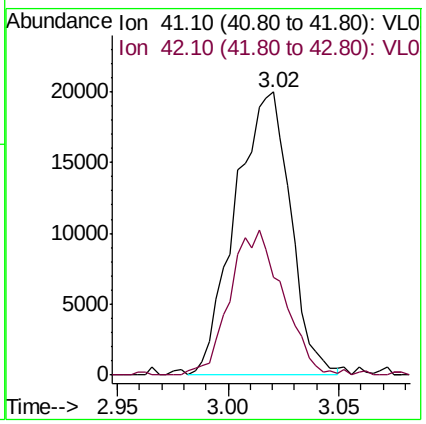
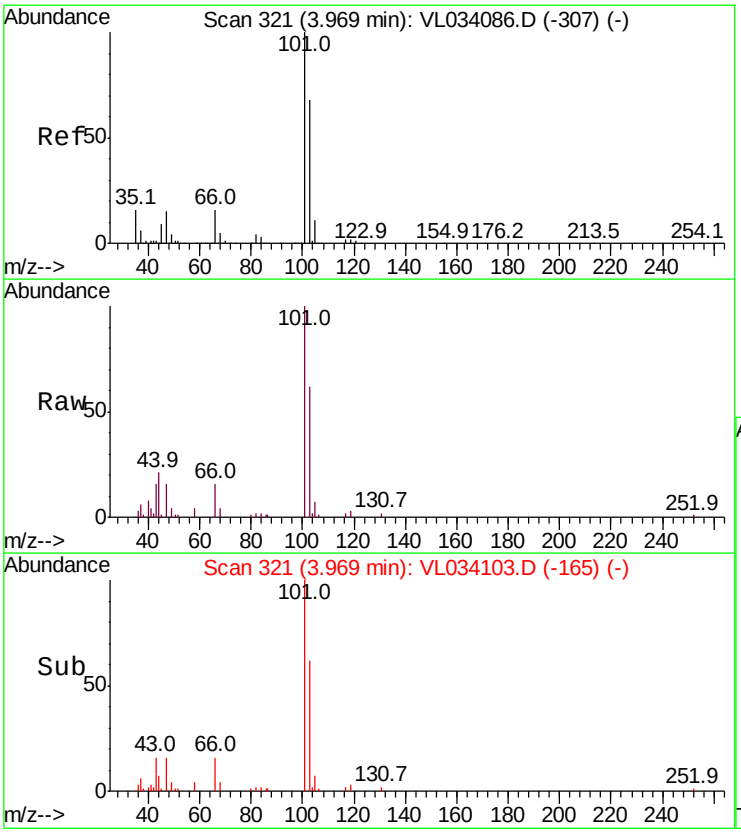
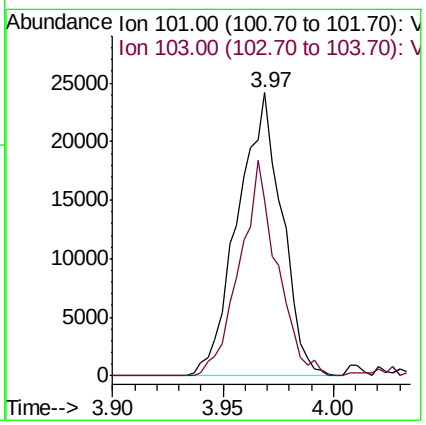


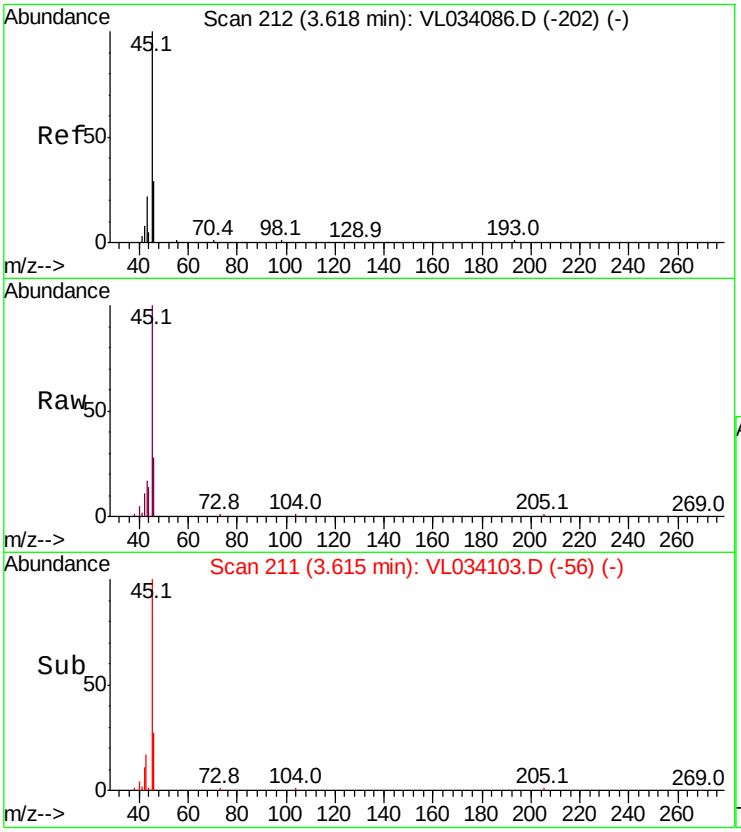


#11
Trichlorofluoromethane
Concen: 0.217 ppbv
RT: 3.97 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion:101 Resp: 33631

Ion	Ratio	Lower	Upper
101	100		
103	62.0	54.3	81.5





#13
Ethanol
Concen: 3.973 ppbv m
RT: 3.62 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 45 Resp: 81249

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.5#

Instrument :
MSVOA_L
ClientSampleId :
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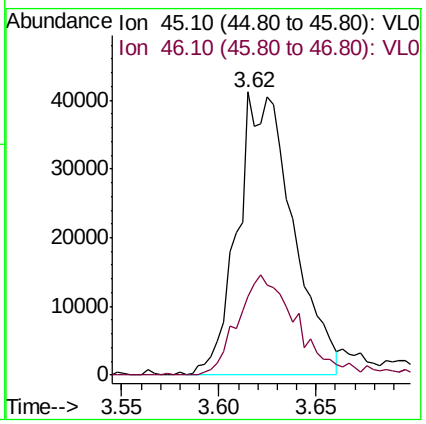
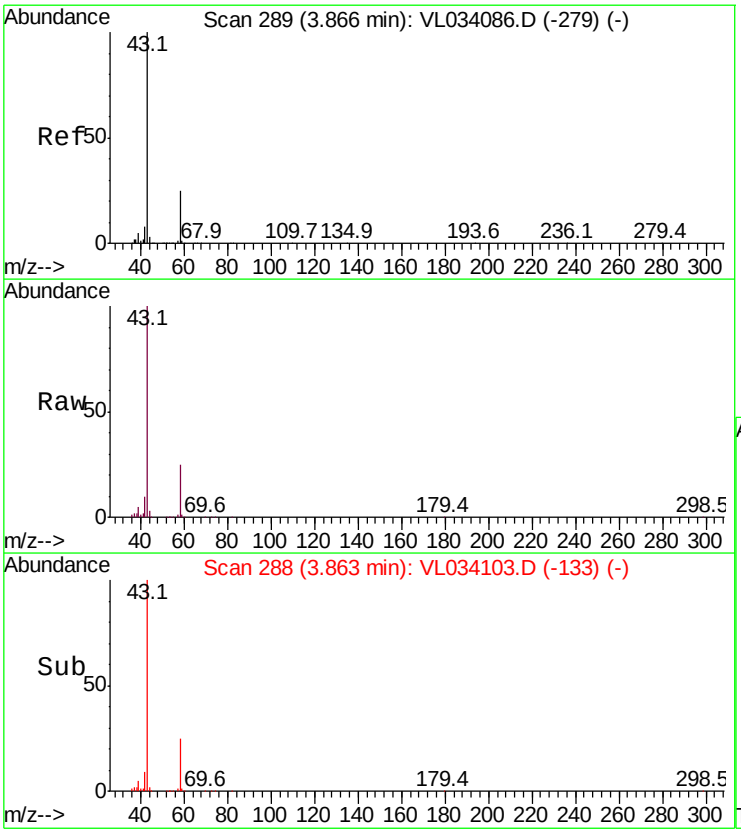
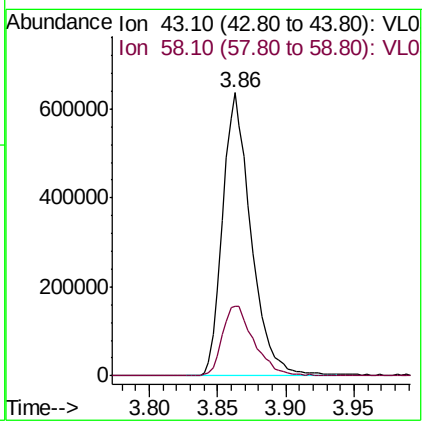


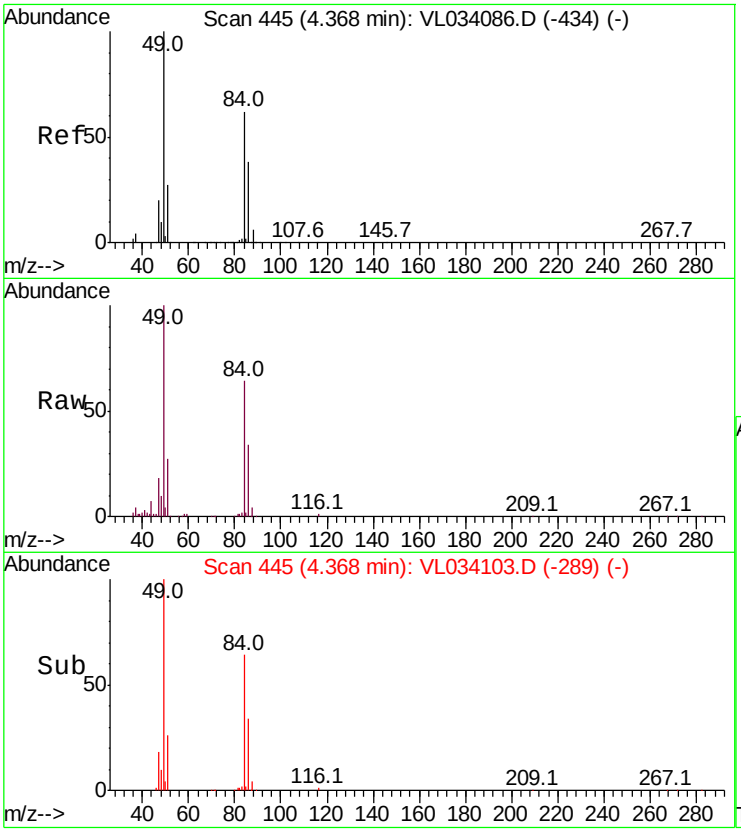


#15
Acetone
Concen: 6.073 ppbv
RT: 3.86 min Scan# 288
Delta R.T. -0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 43 Resp: 923795

Ion	Ratio	Lower	Upper
43	100		
58	27.7	20.6	30.8

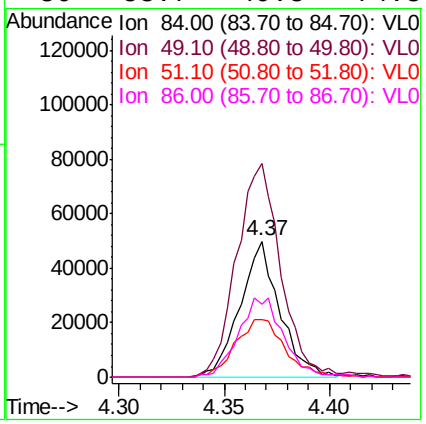




#20
Methylene Chloride
Concen: 1.436 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 84 Resp: 65506

Ion	Ratio	Lower	Upper
84	100		
49	156.7	129.7	194.5
51	41.9	35.8	53.8
86	53.7	49.8	74.8



Instrument :
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ClientSampleId :
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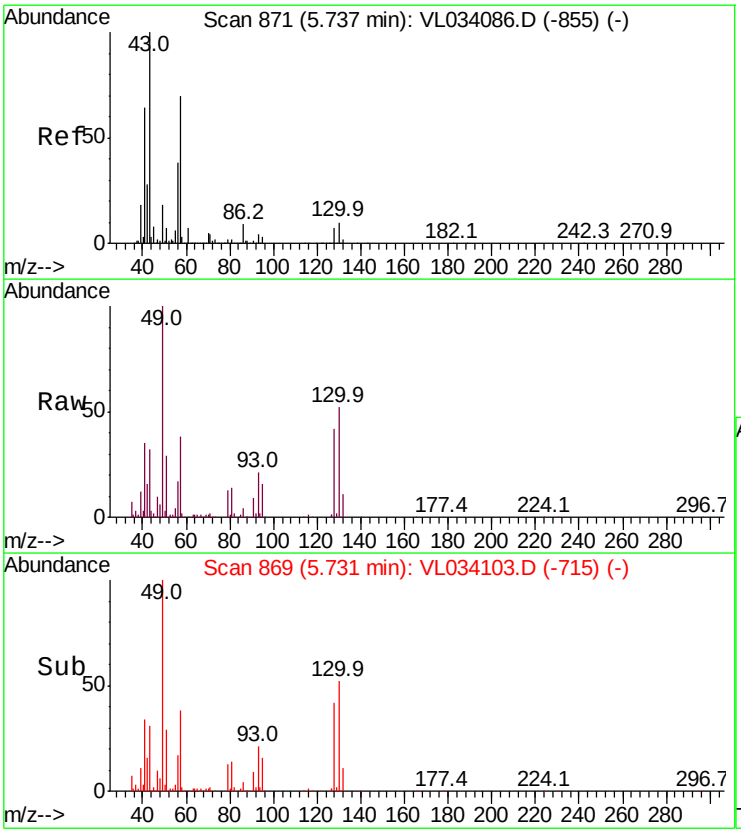
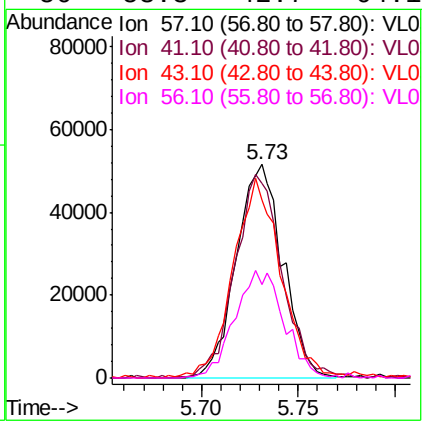
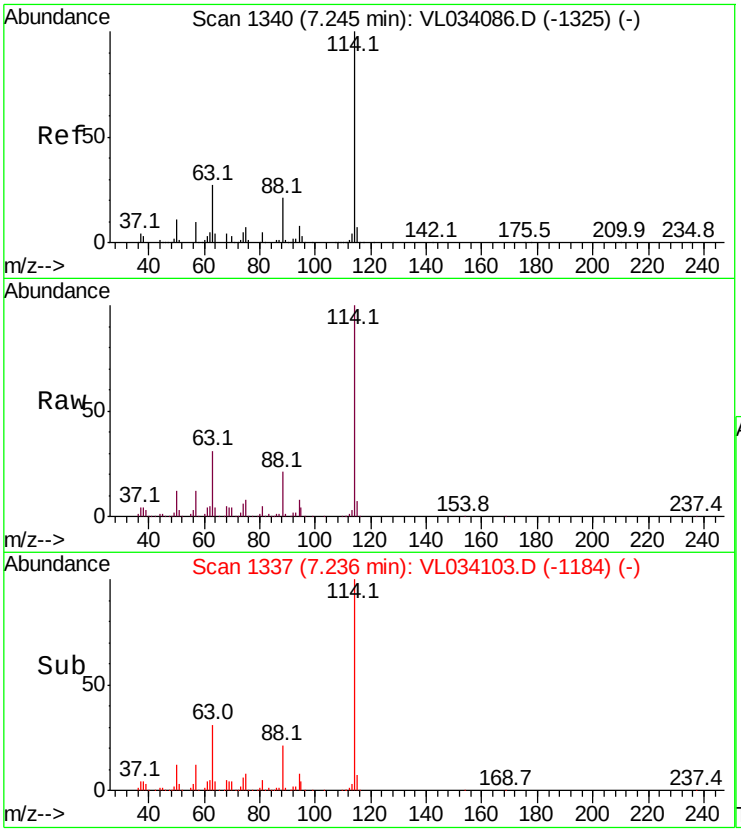


#26
Hexane
Concen: 0.681 ppbv
RT: 5.73 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 57 Resp: 86368

Ion	Ratio	Lower	Upper
57	100		
41	96.6	75.7	113.5
43	97.6	189.8	284.8#
56	53.3	42.7	64.1

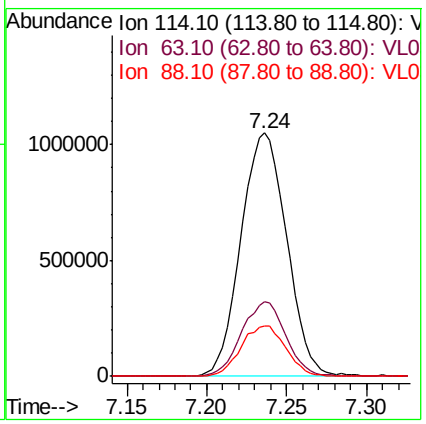




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion:114 Resp: 2055097

Ion	Ratio	Lower	Upper
114	100		
63	30.0	22.5	33.7
88	20.4	15.7	23.5



Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

Manual Integrations APPROVED
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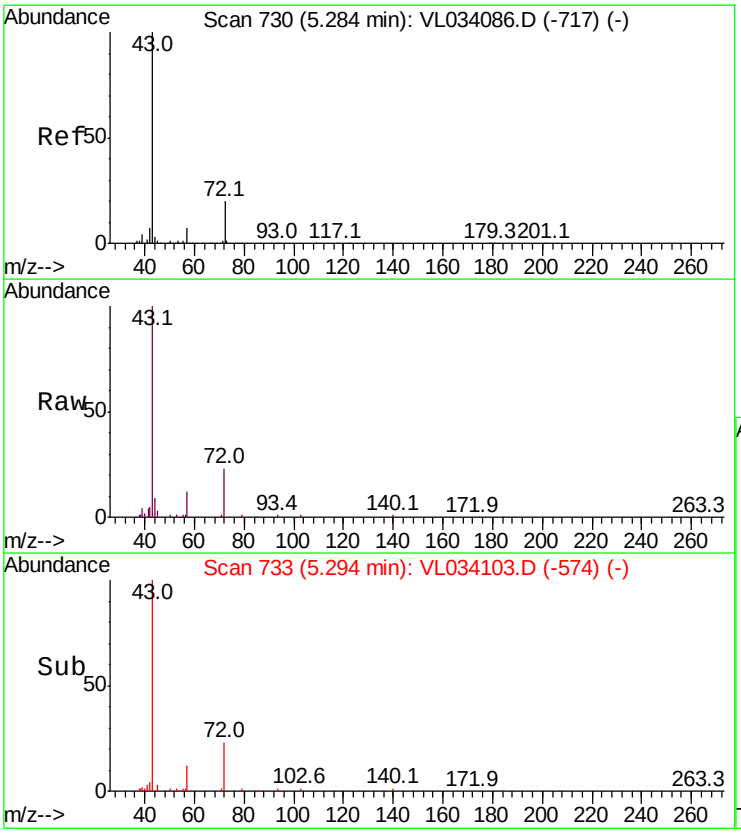
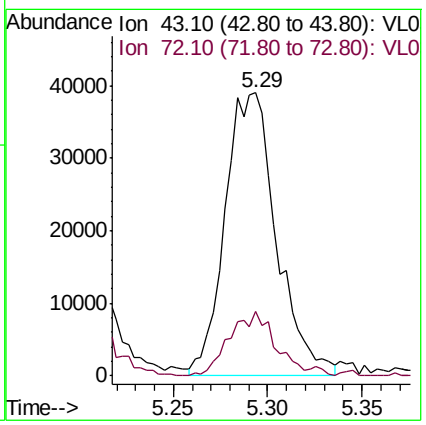
8/16/2019 8:54:15 AM

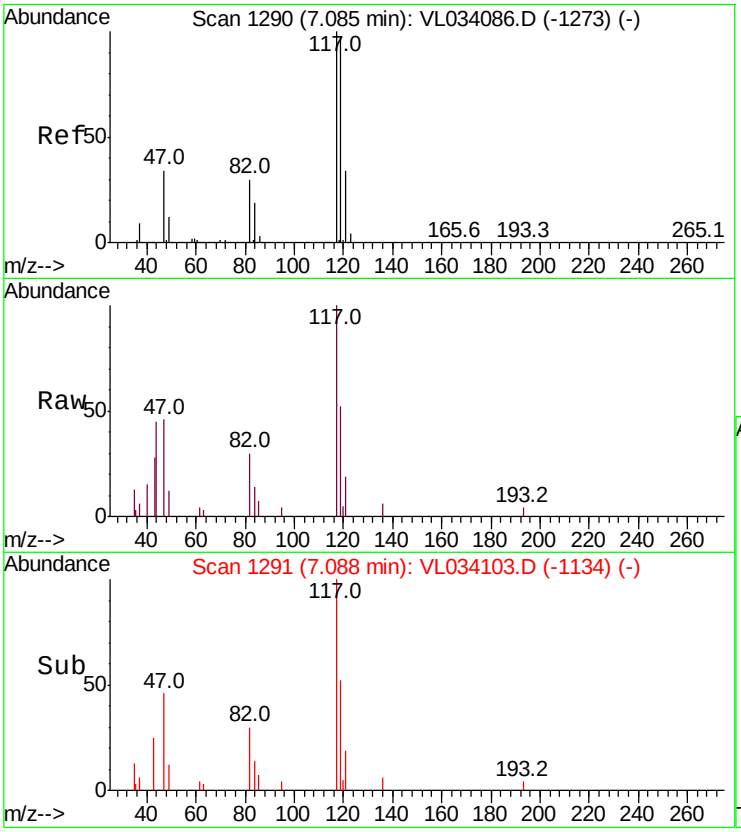


#34
2-Butanone
Concen: 0.387 ppbv m
RT: 5.29 min Scan# 733
Delta R.T. 0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 43 Resp: 73867

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.0	24.0#

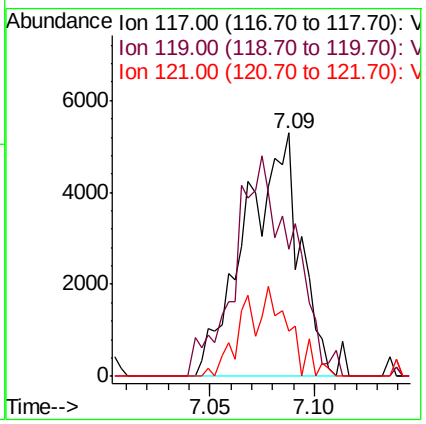




#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.09 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion:117 Resp: 9682

Ion	Ratio	Lower	Upper
117	100		
119	52.0	77.8	116.6#
121	18.8	27.4	41.2#



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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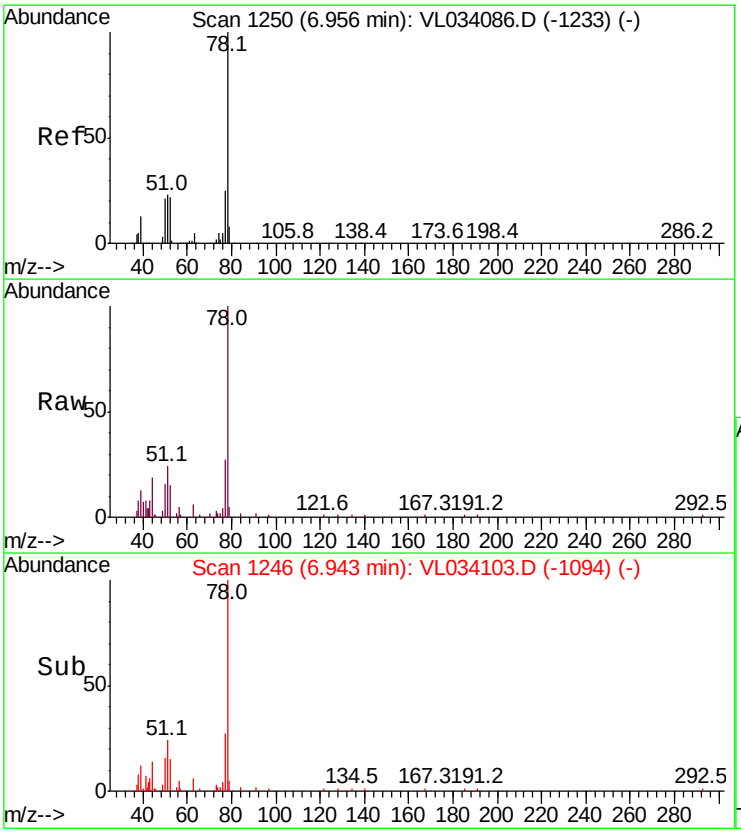
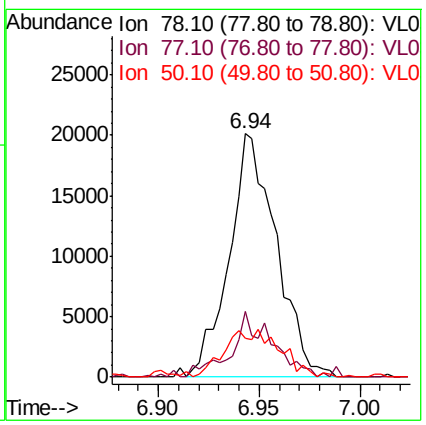
8/16/2019 8:54:15 AM

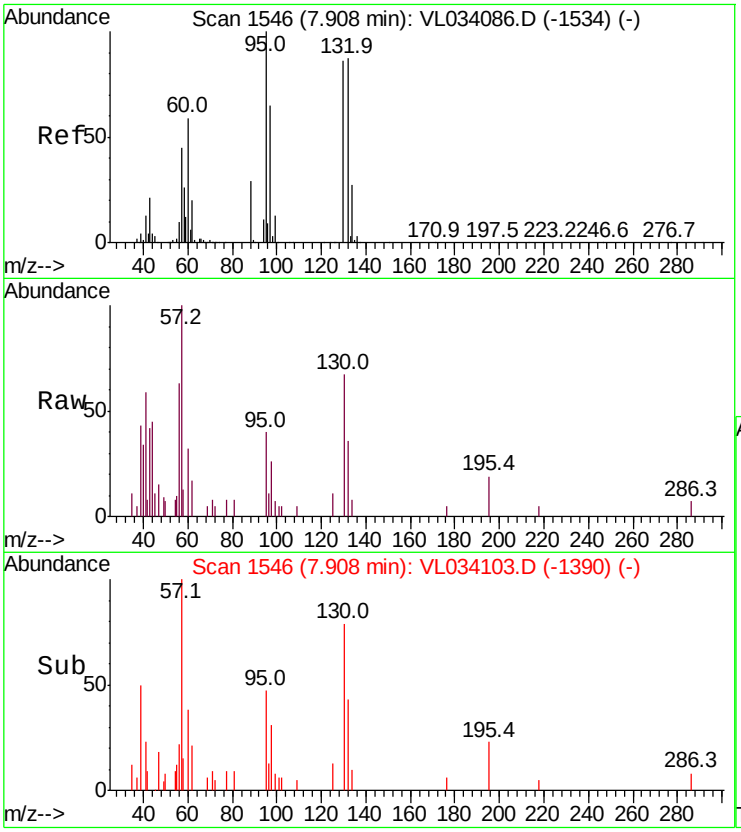


#36
Benzene
Concen: 0.141 ppbv
RT: 6.94 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 78 Resp: 32862

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.9	29.9
50	15.7	16.7	25.1#

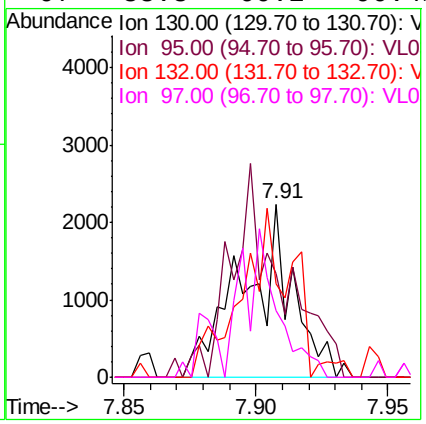




#38
Trichloroethene
Concen: 0.032 ppbv m
RT: 7.91 min Scan# 1546
Delta R.T. 0.00 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

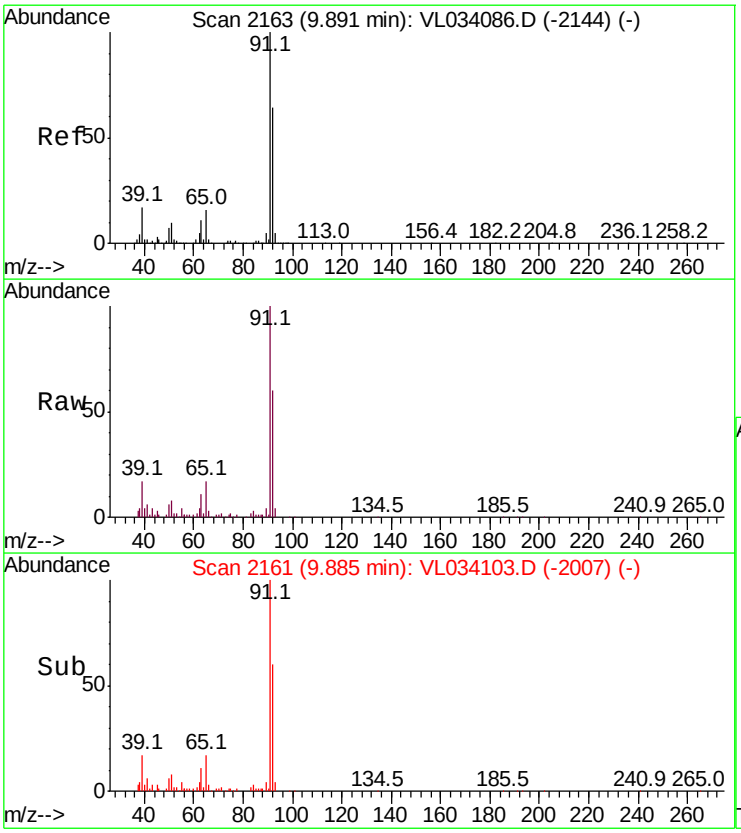
Tgt Ion:130 Resp: 2899

Ion	Ratio	Lower	Upper
130	100		
95	60.0	92.1	138.1#
132	54.0	79.7	119.5#
97	38.8	60.2	90.4#



Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

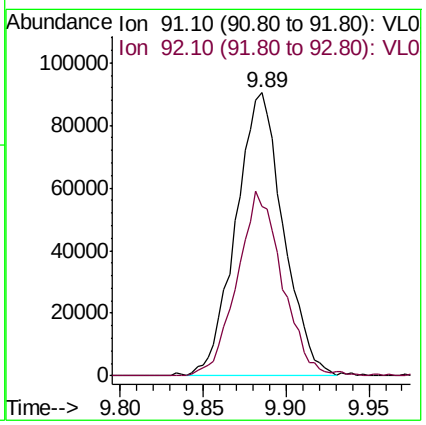
Manual Integrations APPROVED
MMDadoda
8/16/2019 8:54:15 AM

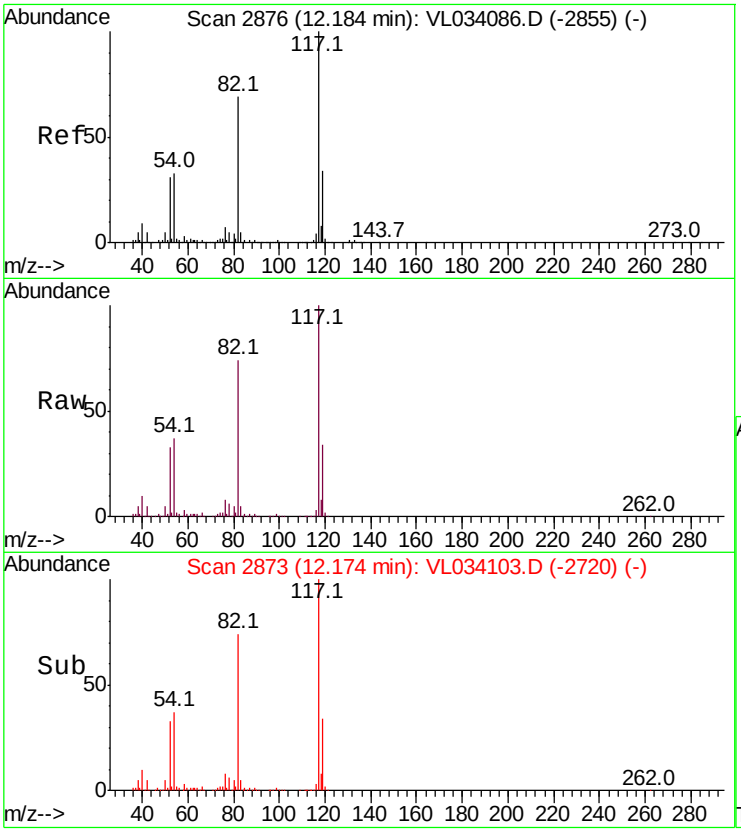


#53
Toluene
Concen: 0.663 ppbv
RT: 9.89 min Scan# 2161
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 91 Resp: 178676

Ion	Ratio	Lower	Upper
91	100		
92	62.5	50.3	75.5





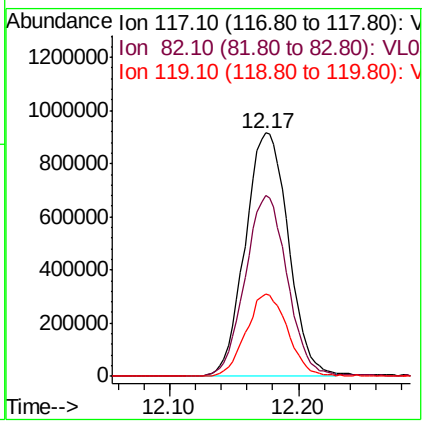
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2873
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

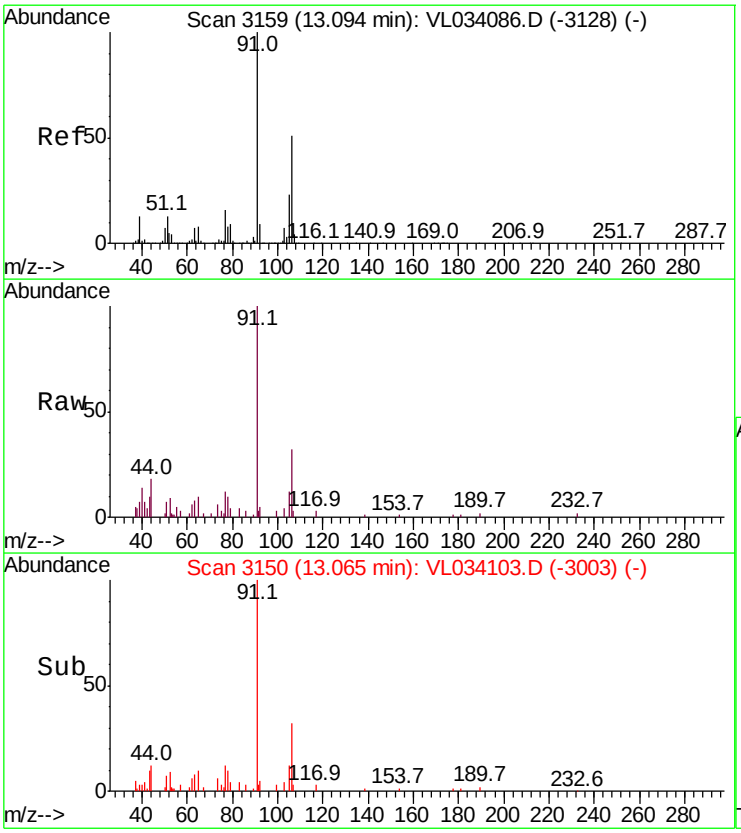
Tgt Ion:117 Resp: 2142892

Ion	Ratio	Lower	Upper
117	100		
82	73.2	52.2	78.4
119	32.7	44.8	67.2#

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

Manual Integrations APPROVED
MMDadoda
8/16/2019 8:54:15 AM

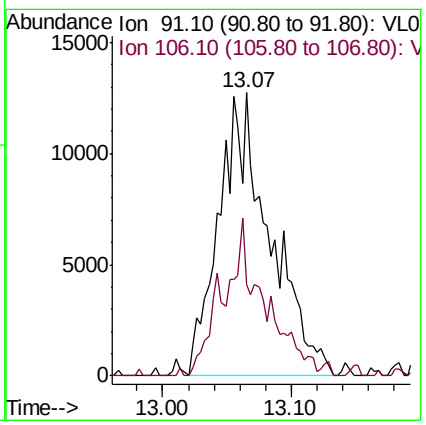


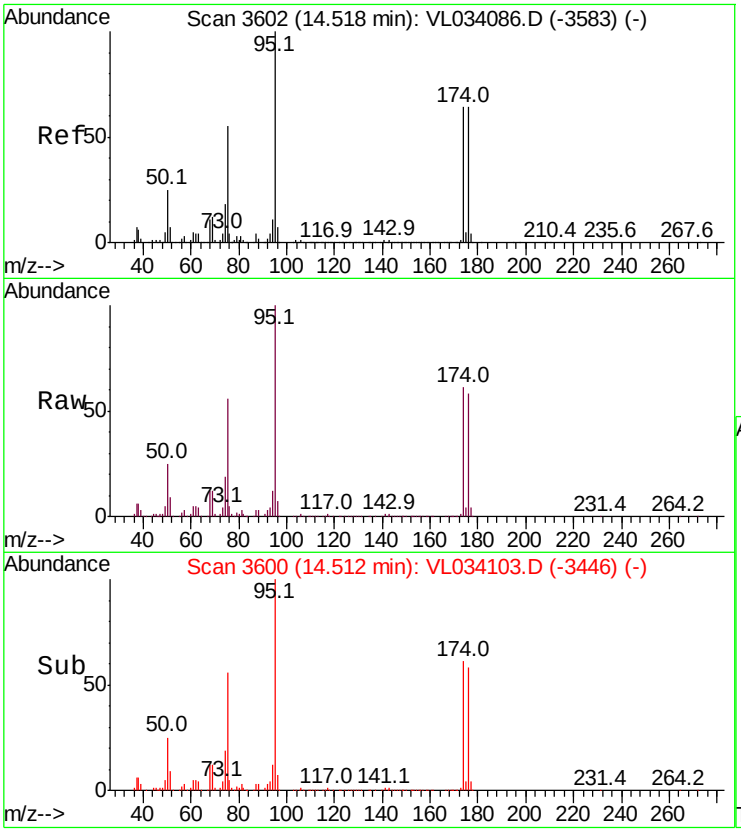


#59
m/p-Xylene
Concen: 0.121 ppbv m
RT: 13.07 min Scan# 3150
Delta R.T. -0.03 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 91 Resp: 35014

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.7	58.1#

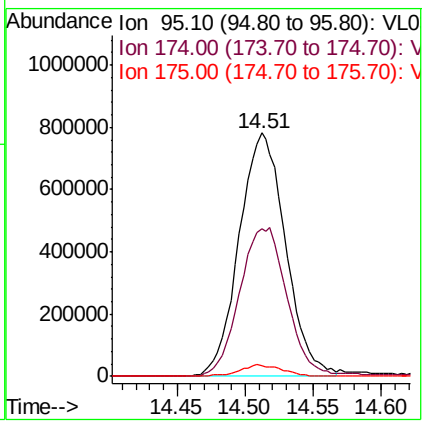




#68
1-Bromo-4-Fluorobenzene
Concen: 10.607 ppbv
RT: 14.51 min Scan# 3600
Delta R.T. -0.01 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion: 95 Resp: 1844281

Ion	Ratio	Lower	Upper
95	100		
174	63.7	53.0	79.6
175	4.5	4.2	6.2



Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-UW-20190805

Manual Integrations APPROVED
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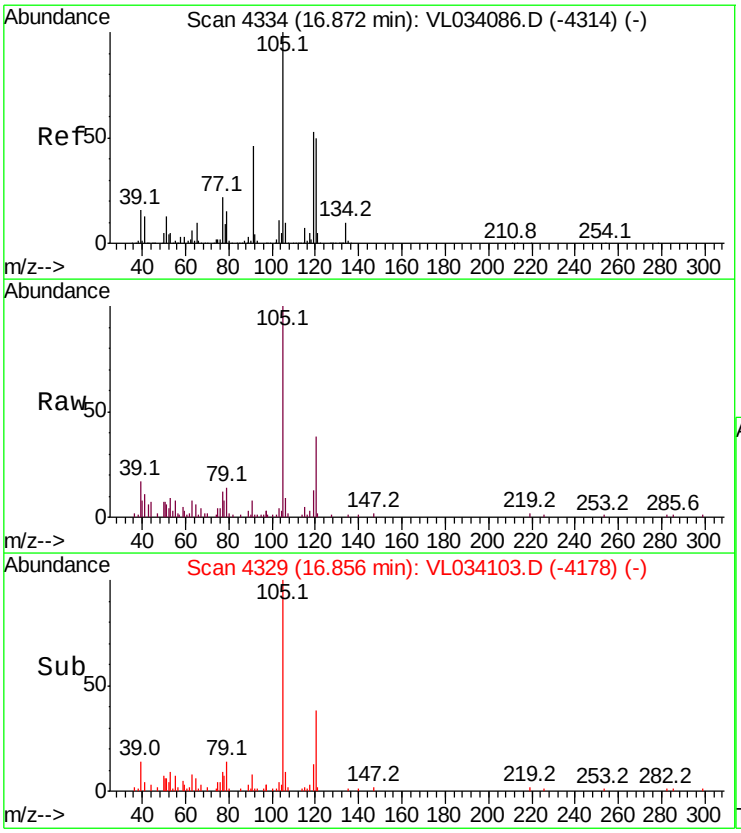
8/16/2019 8:54:15 AM



#74
1,2,4-Trimethylbenzene
Concen: 0.134 ppbv m
RT: 16.86 min Scan# 4329
Delta R.T. -0.02 min
Lab File: VL034103.D
Acq: 12 Aug 2019 14:33

Tgt Ion:105 Resp: 45789

Ion	Ratio	Lower	Upper
105	100		
120	37.6	40.2	60.4#
91	8.2	38.1	57.1#
77	11.8	17.8	26.8#