Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\
Data File : VL032664.D
Acq On : 19 Oct 2018 1:46
Operator : SY/AP
Sample : J5578-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Manual Integrations APPROVED
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10/24/2018 12:05:07 PM

Quant Time: Oct 23 09:56:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 1
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1362532	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3400792	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3227426	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2333030	9.71	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	39299	0.283	ppbv	93
3) Chlorodifluoromethane	3.02	51	42207	0.396	ppbv	92
4) Chloromethane	3.19	50	31714m	0.533	ppbv	
9) Propene	3.06	41	15590m	0.356	ppbv	
11) Trichlorofluoromethane	4.02	101	43487	0.240	ppbv	99
13) Ethanol	3.67	45	66150	5.278	ppbv	95
15) Acetone	3.92	43	220359	1.751	ppbv	96
19) Isopropyl Alcohol	4.07	45	24383	0.272	ppbv #	1
20) Methylene Chloride	4.43	84	21459	0.336	ppbv	86
34) 2-Butanone	5.36	43	47243	0.259	ppbv	98
35) Carbon Tetrachloride	7.14	117	20661m	0.086	ppbv	
53) Toluene	9.97	91	59968m	0.189	ppbv	

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

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Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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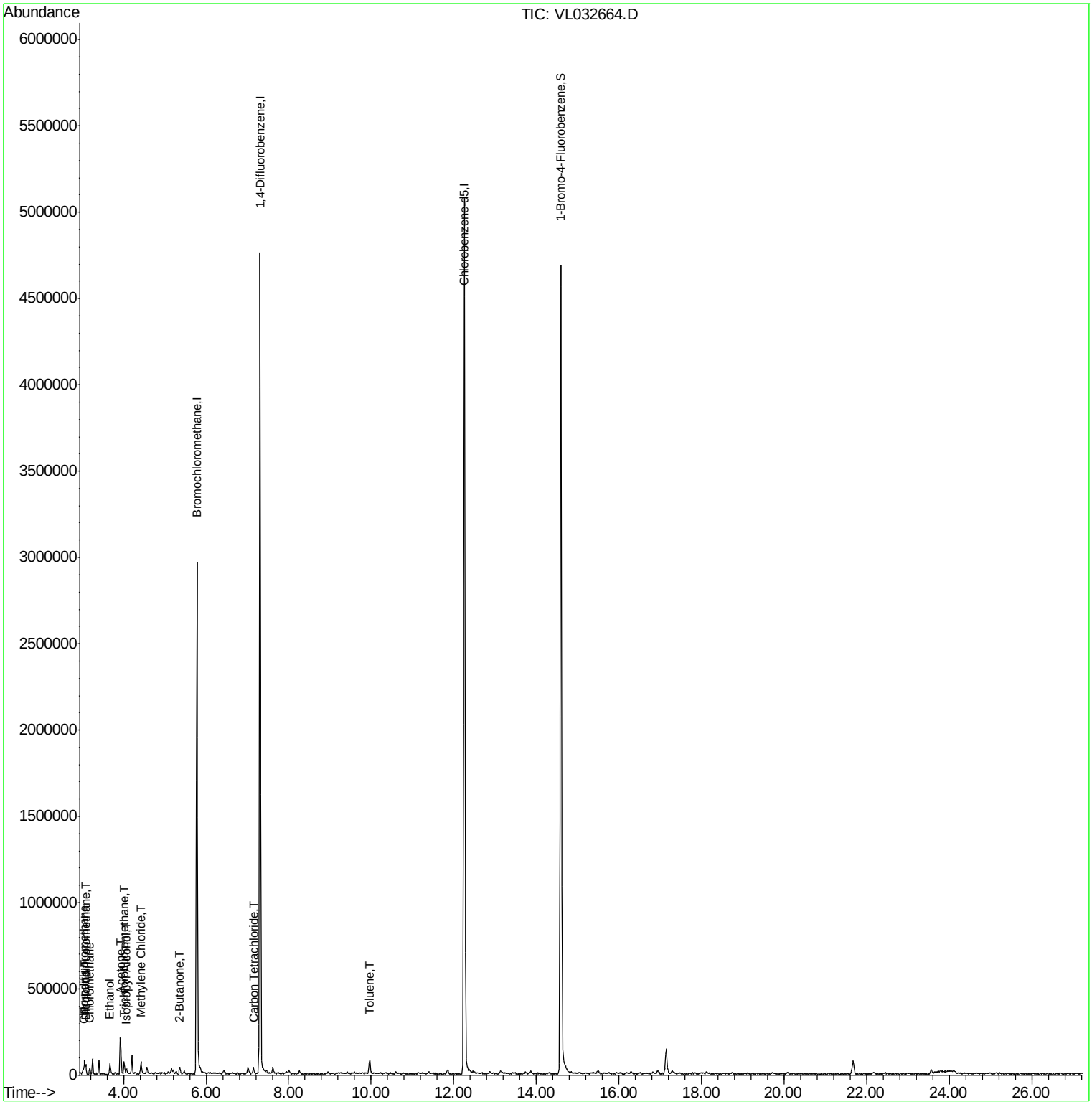
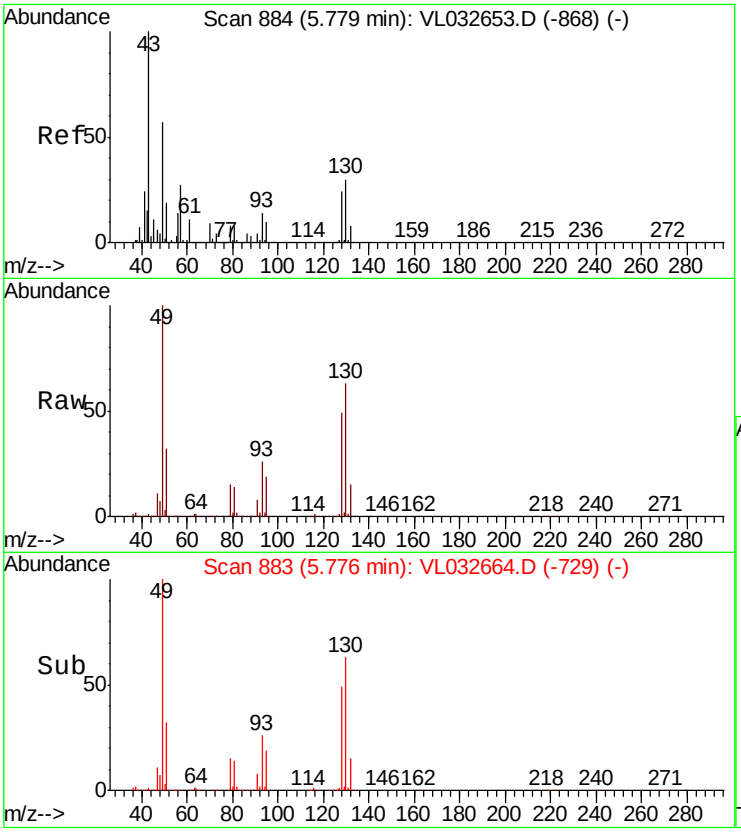
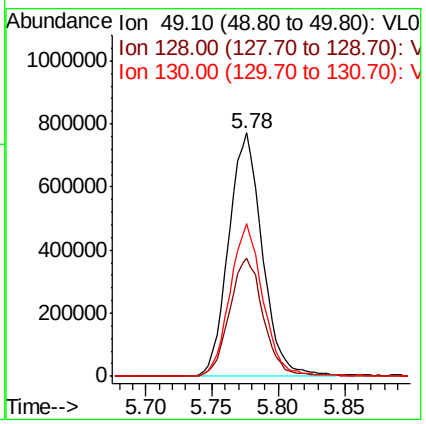




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 49 Resp: 1362532

Ion	Ratio	Lower	Upper
49	100		
128	49.6	22.3	66.8
130	62.0	28.4	85.3



Instrument :
MSVOA_L
ClientSampleId :
AA-1

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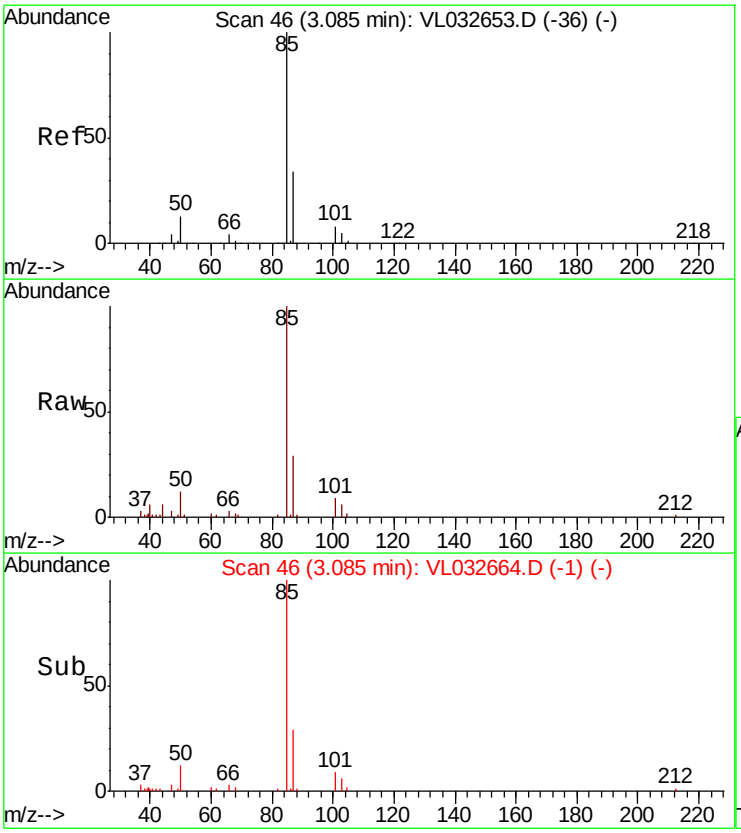
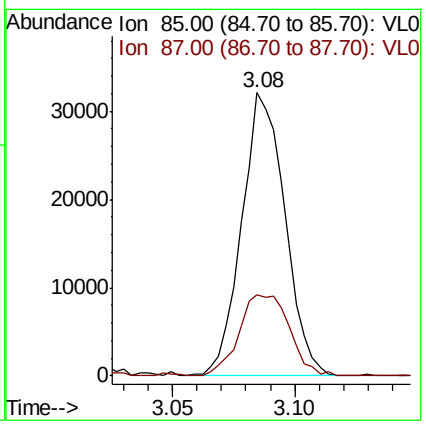
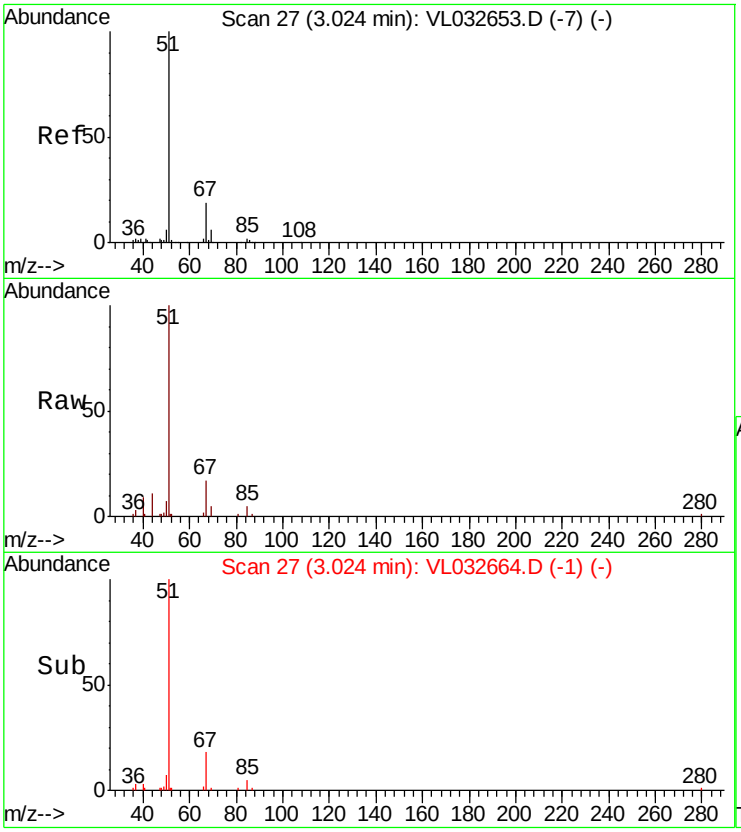


#2
Dichlorodifluoromethane
Concen: 0.283 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 85 Resp: 39299

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.2	39.2

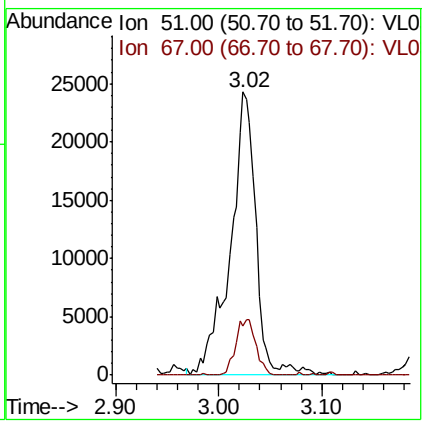




#3
Chlorodifluoromethane
Concen: 0.396 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 51 Resp: 42207

Ion	Ratio	Lower	Upper
51	100		
67	15.4	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
AA-1

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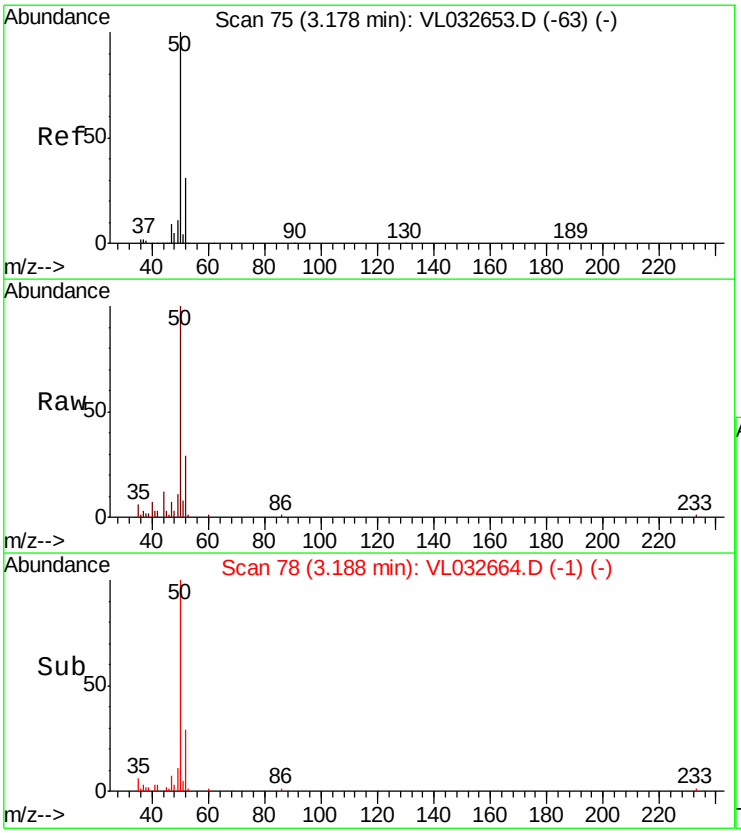
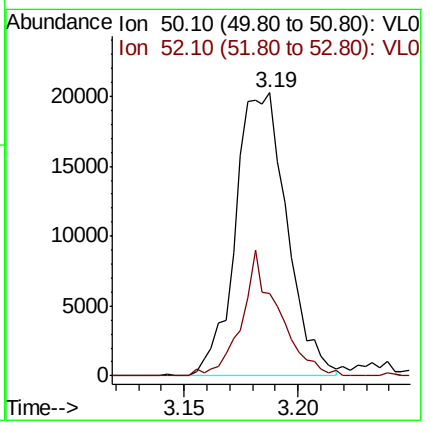
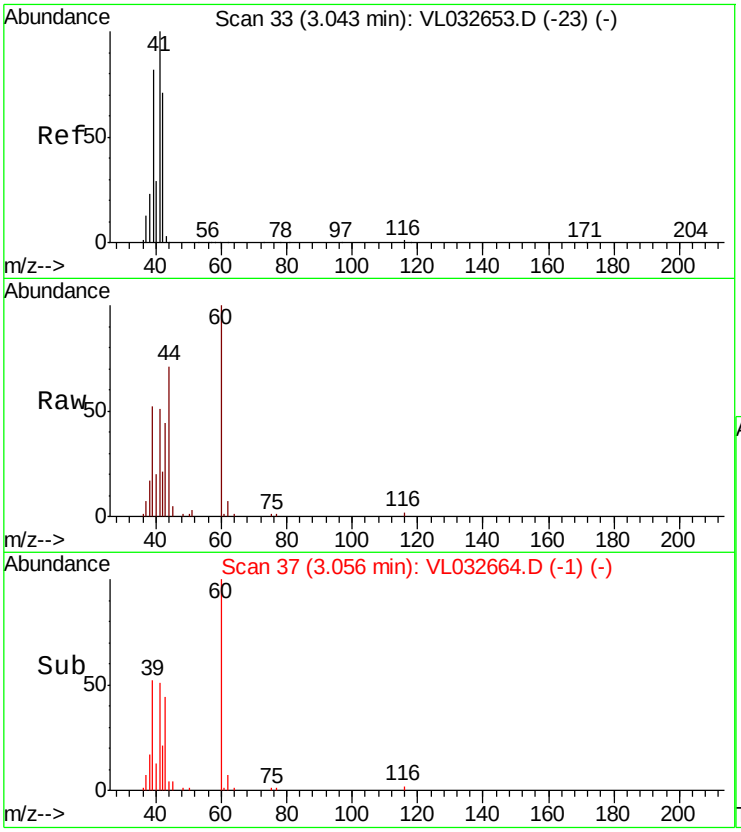


#4
Chloromethane
Concen: 0.533 ppbv m
RT: 3.19 min Scan# 78
Delta R.T. 0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 50 Resp: 31714

Ion	Ratio	Lower	Upper
50	100		
52	29.0	25.9	38.9





#9
Propene
Concen: 0.356 ppbv m
RT: 3.06 min Scan# 37
Delta R.T. 0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 41 Resp: 15590

Ion	Ratio	Lower	Upper
41	100		
42	98.6	55.4	83.0#

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Manual Integrations APPROVED
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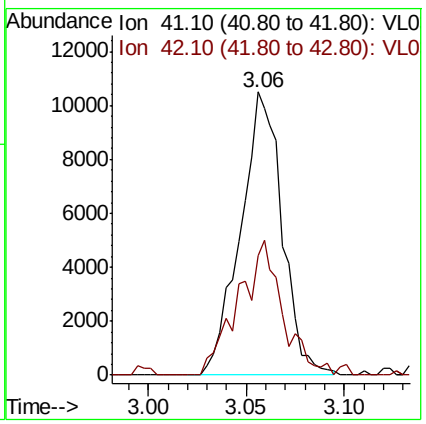
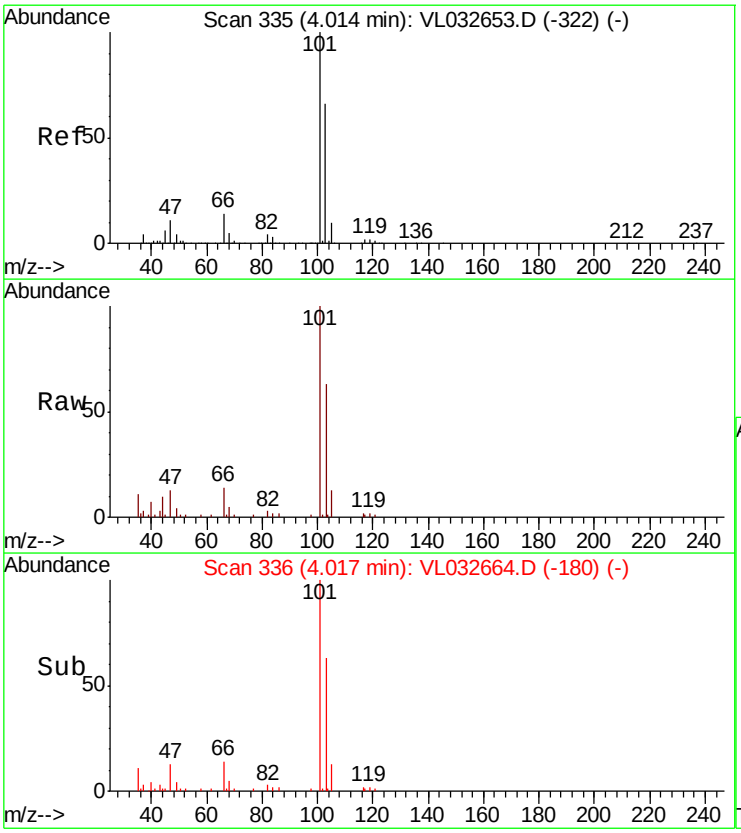
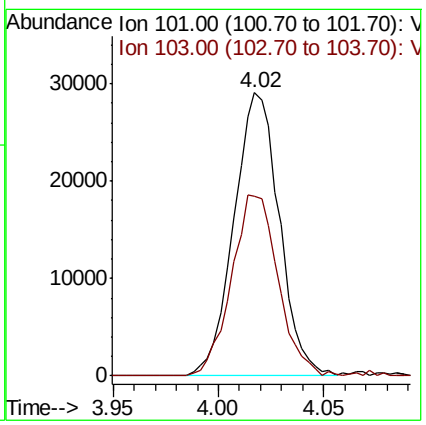


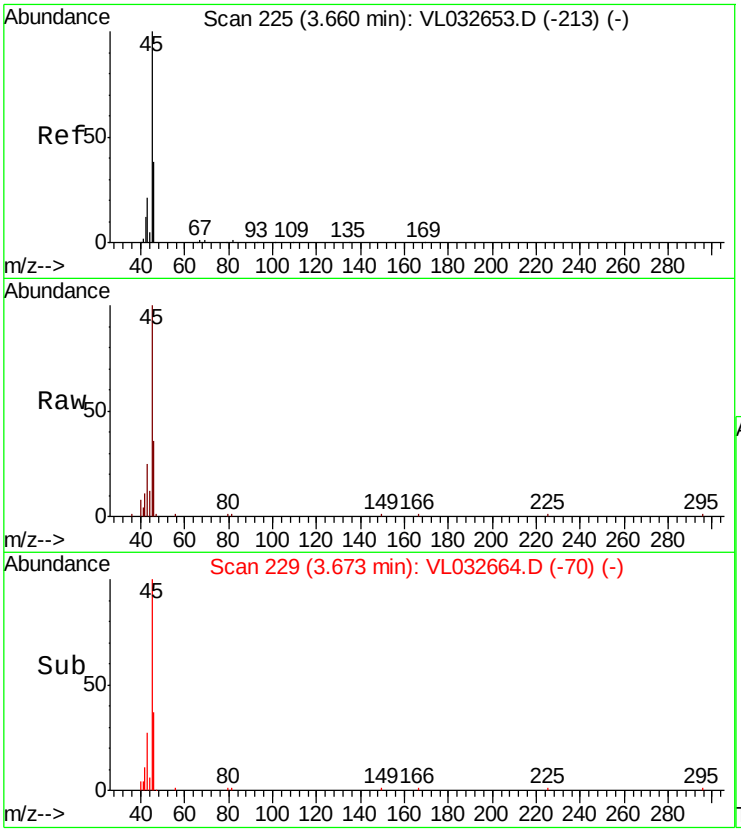


#11
Trichlorofluoromethane
Concen: 0.240 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion:101 Resp: 43487

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.2

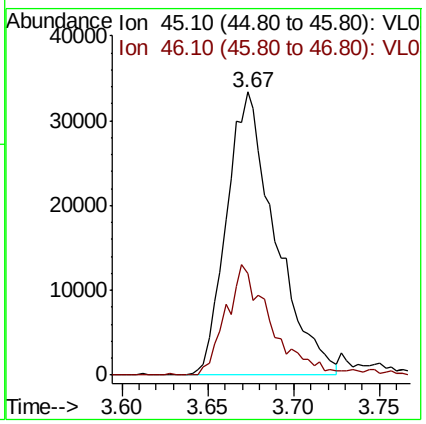




#13
Ethanol
Concen: 5.278 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 45 Resp: 66150

Ion	Ratio	Lower	Upper
45	100		
46	35.5	15.4	61.8



Instrument :
MSVOA_L
ClientSampleId :
AA-1

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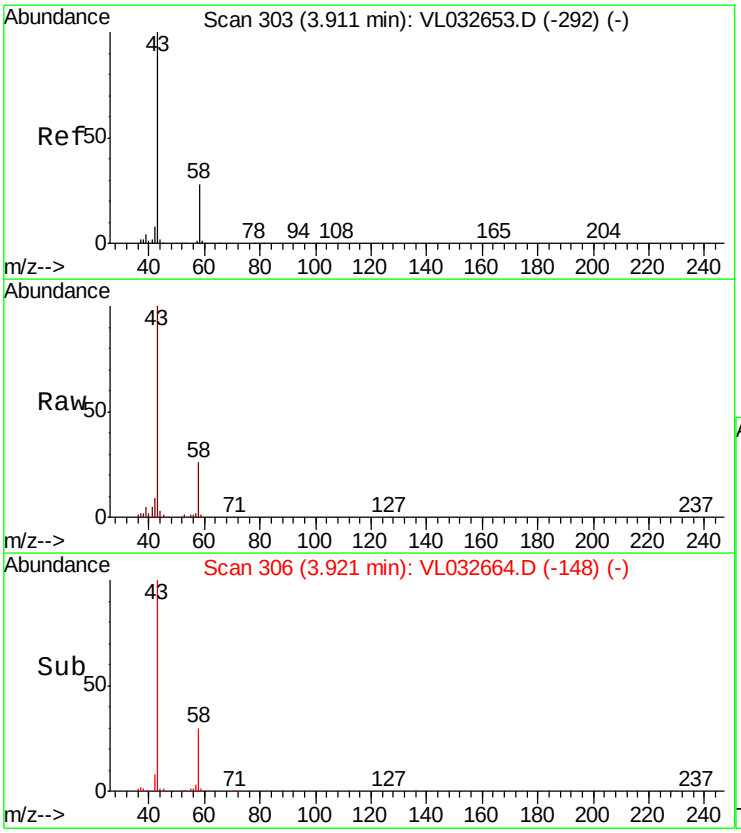
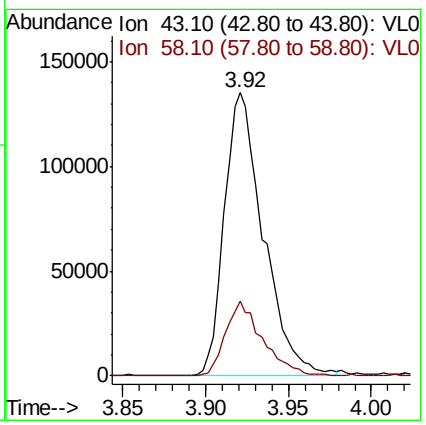
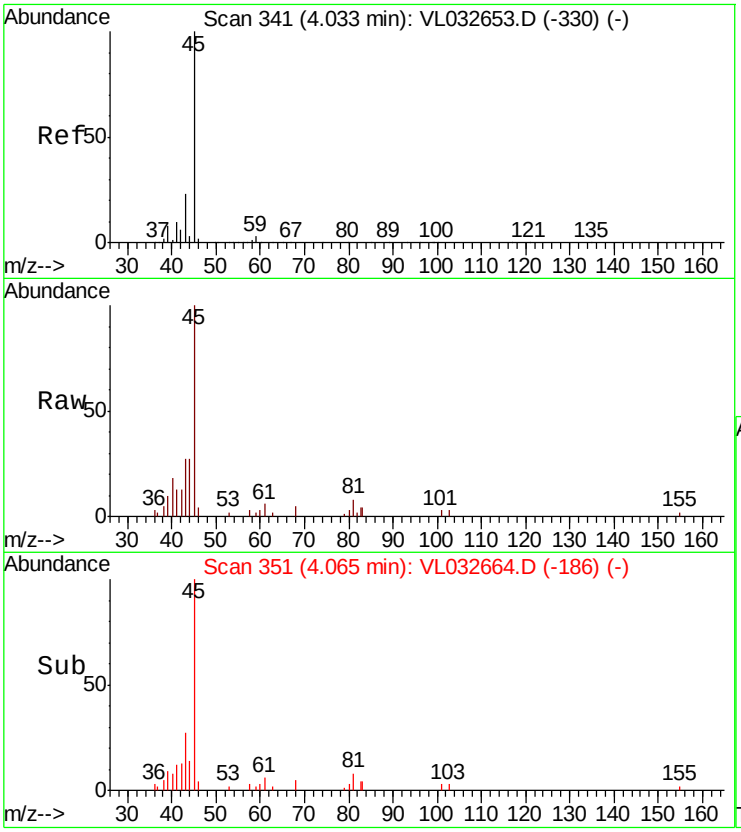


#15
Acetone
Concen: 1.751 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 43 Resp: 220359

Ion	Ratio	Lower	Upper
43	100		
58	25.8	22.1	33.1

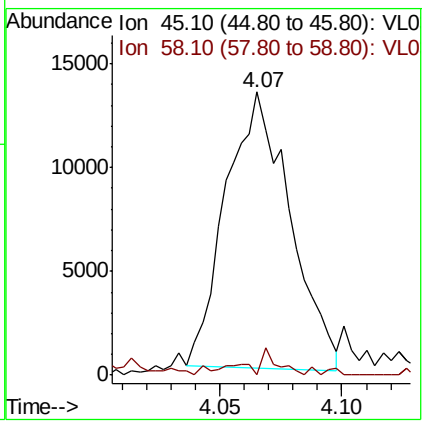




#19
Isopropyl Alcohol
Concen: 0.272 ppbv
RT: 4.07 min Scan# 351
Delta R.T. 0.03 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 45 Resp: 24383

Ion	Ratio	Lower	Upper
45	100		
58	229.2	2.0	3.0#



Instrument :
MSVOA_L
ClientSampleId :
AA-1

Manual Integrations APPROVED
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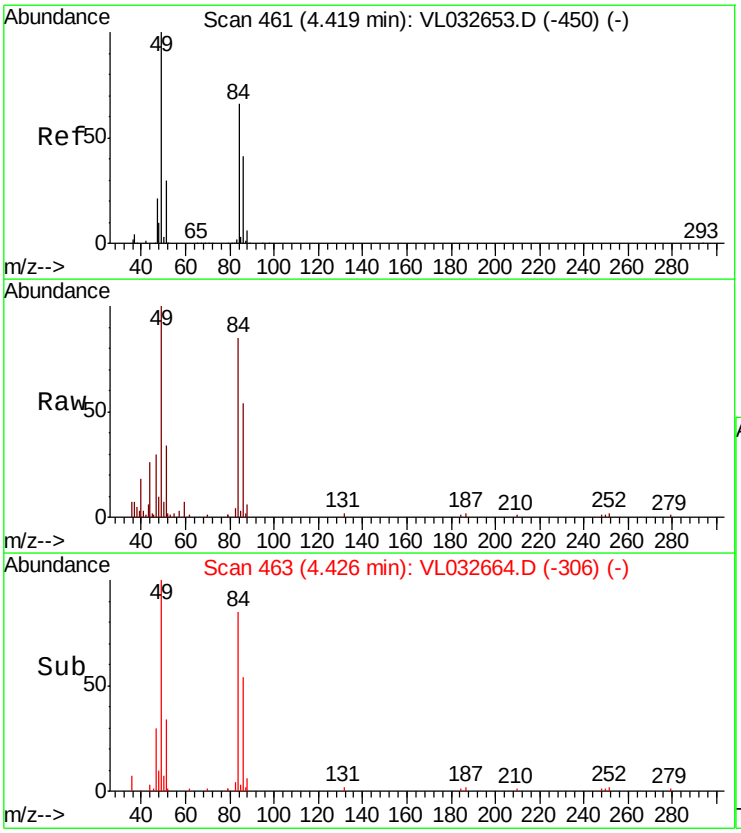
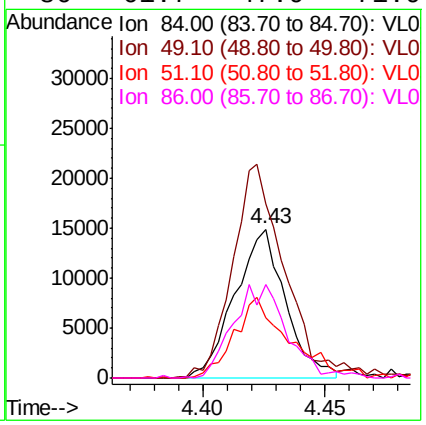
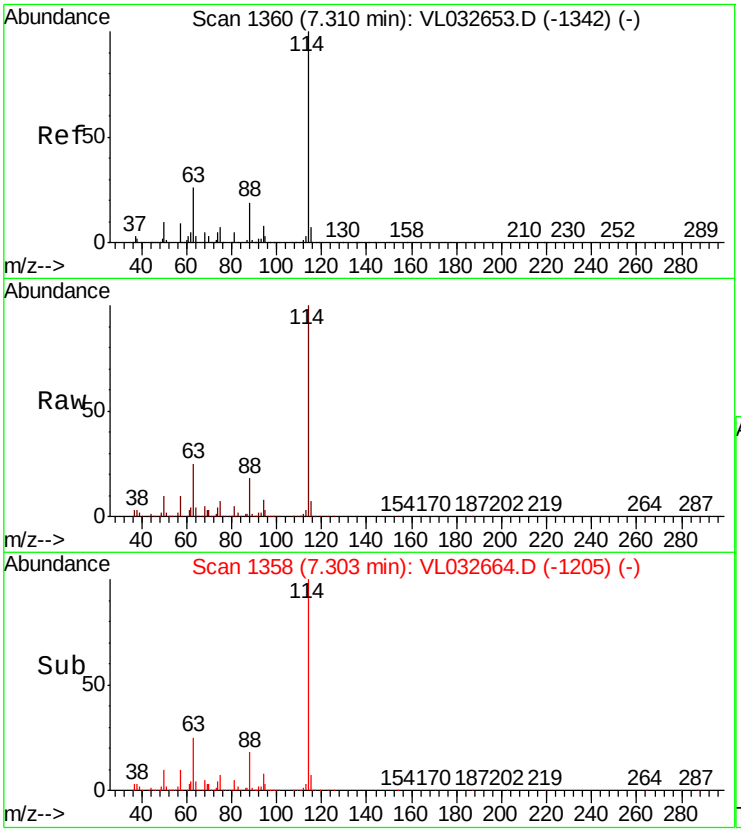


#20
Methylene Chloride
Concen: 0.336 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 84 Resp: 21459

Ion	Ratio	Lower	Upper
84	100		
49	115.8	113.5	170.3
51	40.0	34.8	52.2
86	61.7	47.9	71.9

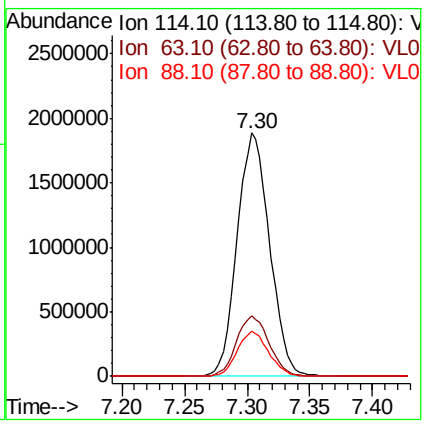




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion:114 Resp: 3400792

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.7	32.5
88	18.0	14.9	22.3



Instrument :
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ClientSampleId :
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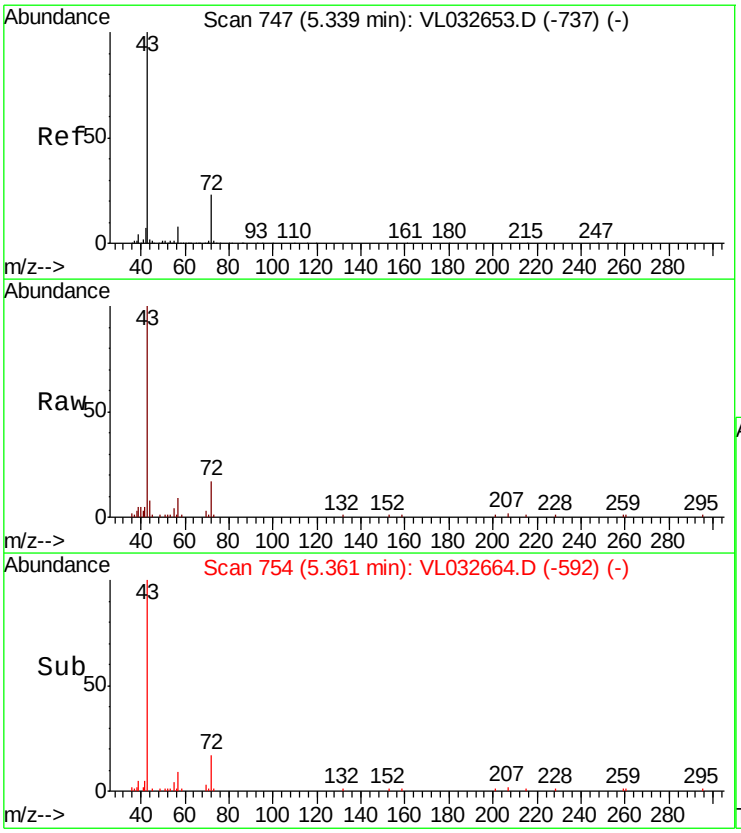
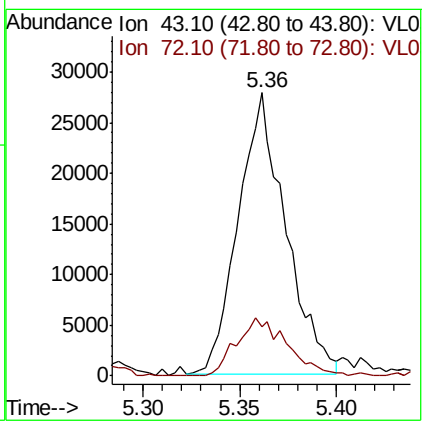
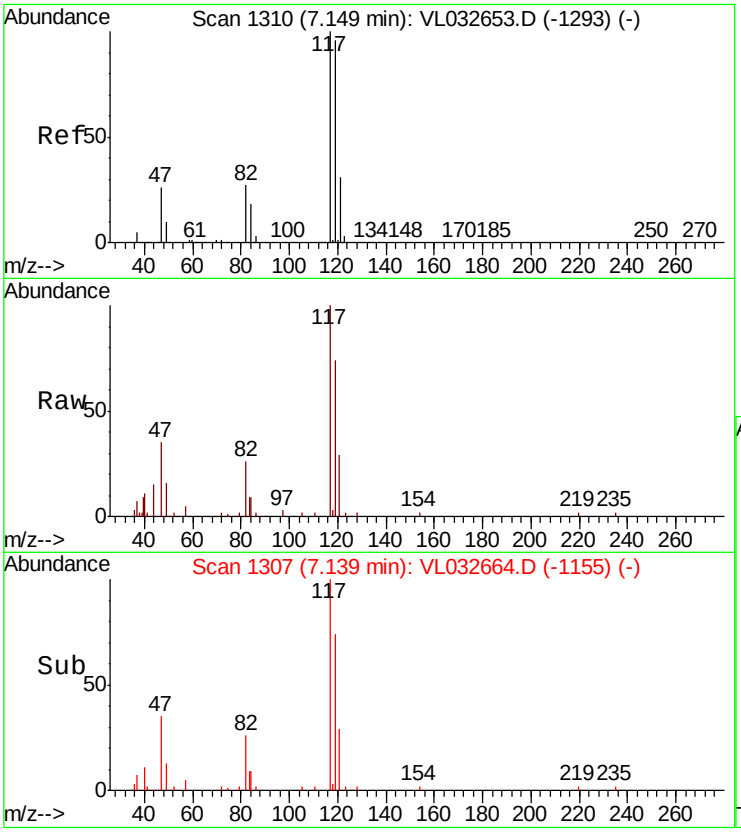


#34
2-Butanone
Concen: 0.259 ppbv
RT: 5.36 min Scan# 754
Delta R.T. 0.02 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 43 Resp: 47243

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	27.8

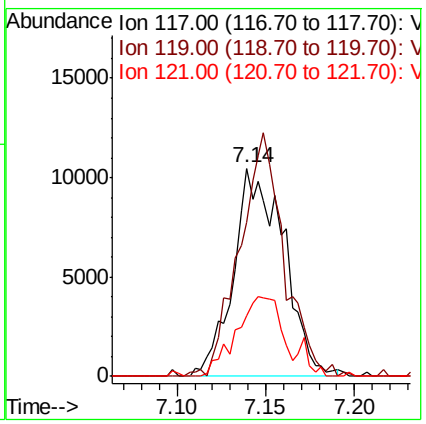




#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 7.14 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion:117 Resp: 20661

Ion	Ratio	Lower	Upper
117	100		
119	73.9	75.7	113.5#
121	29.3	24.7	37.1



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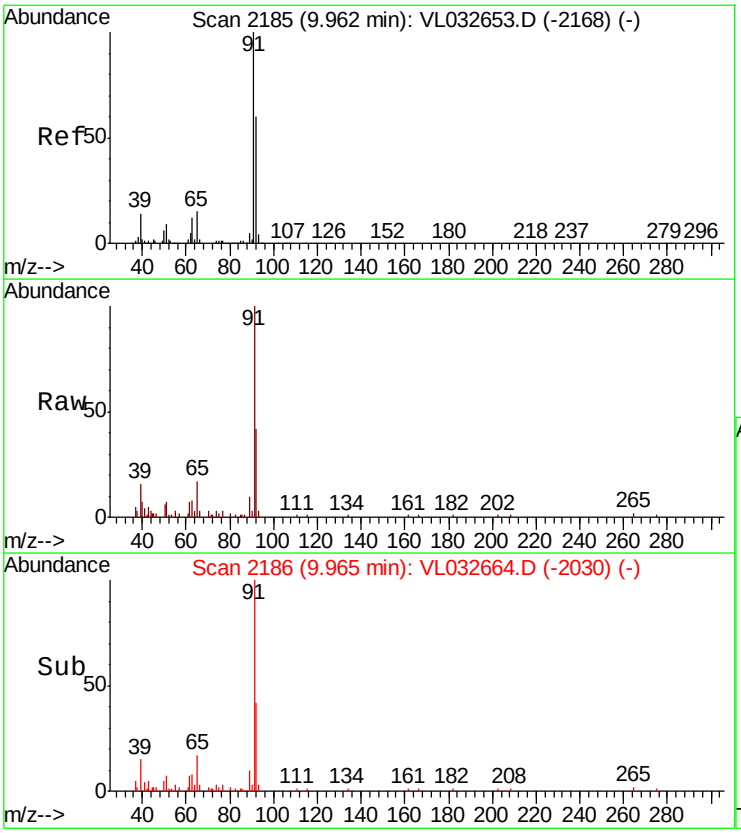
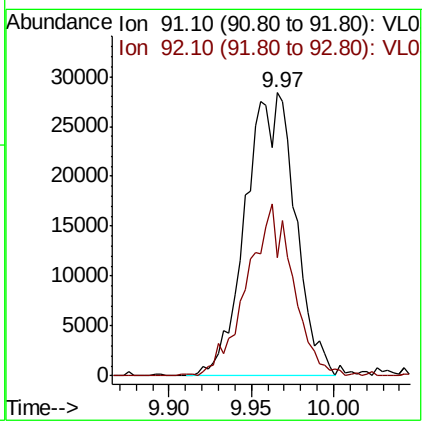
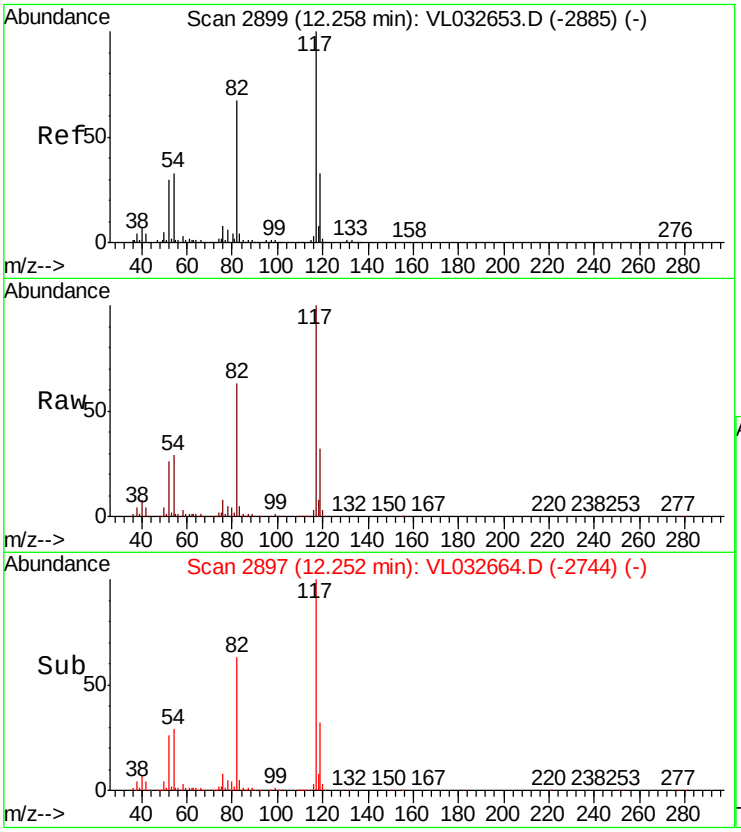


#53
Toluene
Concen: 0.189 ppbv m
RT: 9.97 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 91 Resp: 59968

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

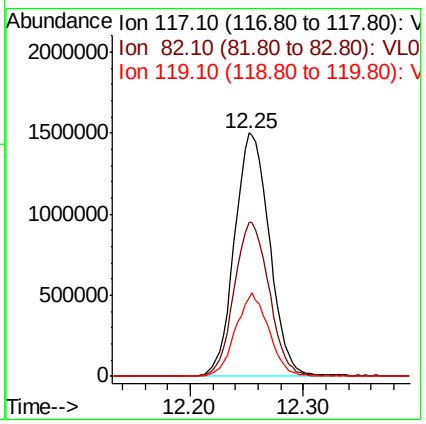




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion:117 Resp: 3227426

Ion	Ratio	Lower	Upper
117	100		
82	63.6	52.7	79.1
119	32.5	26.7	40.1



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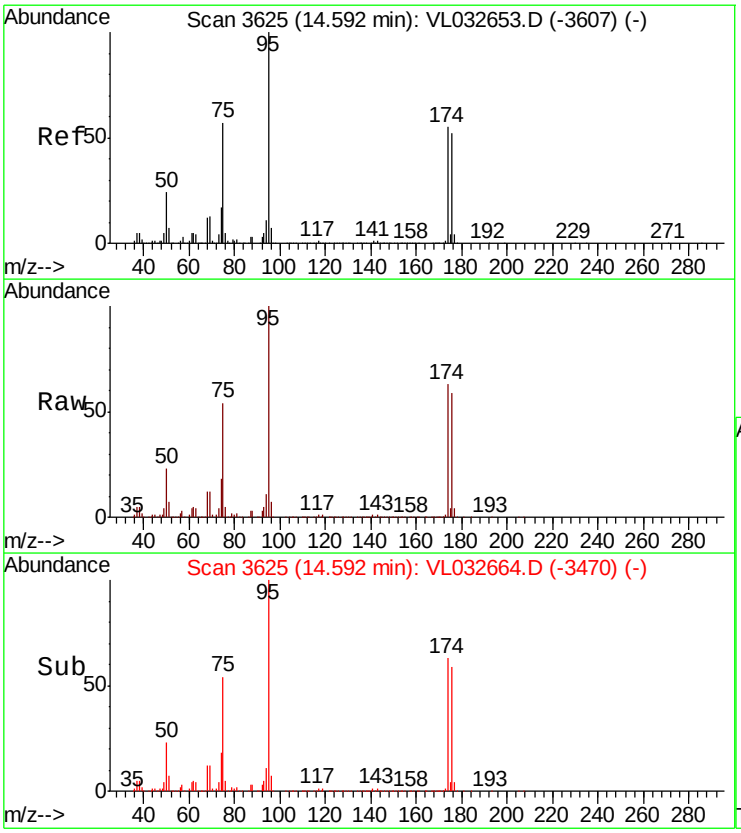

#68
1-Bromo-4-Fluorobenzene
Concen: 9.708 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032664.D
Acq: 19 Oct 2018 1:46

Tgt Ion: 95 Resp: 2333030

Ion	Ratio	Lower	Upper
95	100		
174	64.1	46.0	69.0
175	4.6	3.4	5.0