Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032531.D
Acq On : 25 Sep 2018 5:37
Operator : SY/AP
Sample : J5034-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 26 17:47:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 2
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : GAC-EFF-DUP-092018DL

Manual Integrations APPROVED
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9/27/2018 12:31:36 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1493320	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3338856	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3217144	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2439485	10.06	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%			
Target Compounds						Qvalue
9) Propene	3.07	41	39177m	0.727	ppbv	
13) Ethanol	3.68	45	135327	8.356	ppbv	94
15) Acetone	3.94	43	44805m	0.342	ppbv	
19) Isopropyl Alcohol	4.06	45	24132	0.264	ppbv #	93
24) 1,1-Dichloroethane	5.11	63	160798	0.834	ppbv	96
26) Hexane	5.81	57	20981m	0.146	ppbv	
29) Chloroform	5.87	83	49233	0.223	ppbv	90
31) cis-1,2-Dichloroethene	5.66	61	105256	0.769	ppbv	94
32) 1,1,1-Trichloroethane	6.64	97	506699	2.157	ppbv	100
38) Trichloroethene	7.99	130	644548	6.241	ppbv	99

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

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Manual Integrations APPROVED
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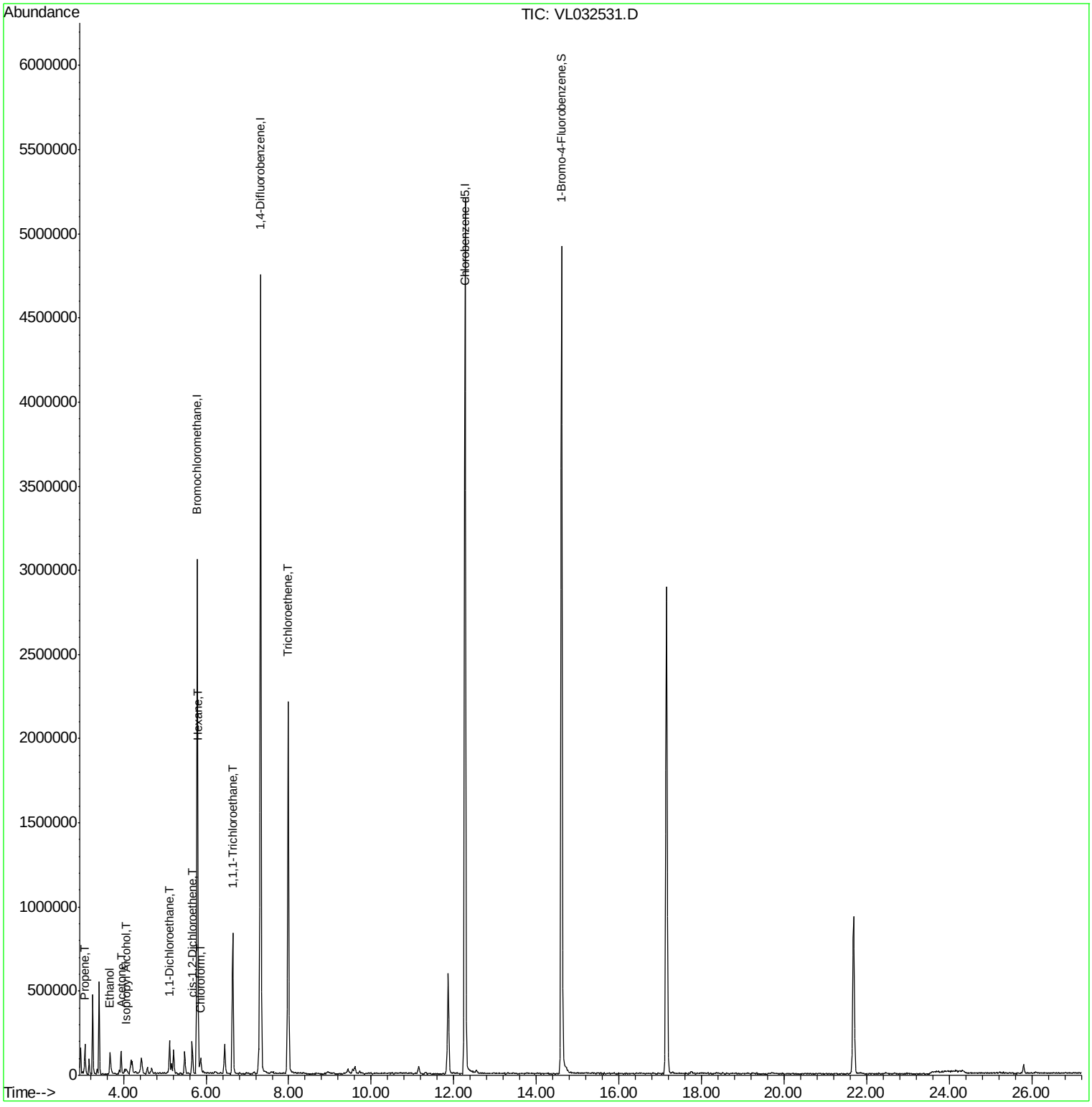
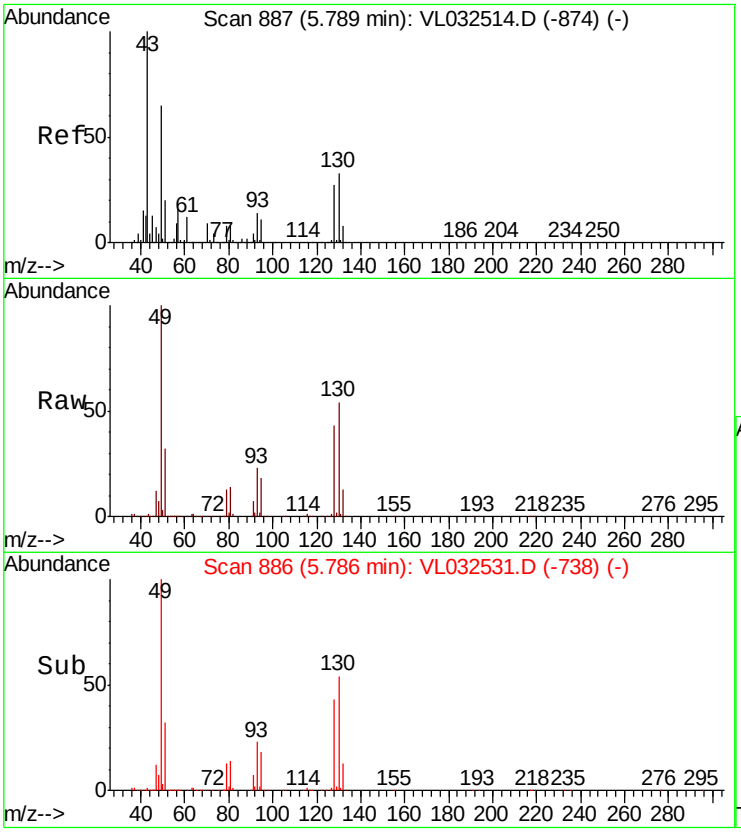
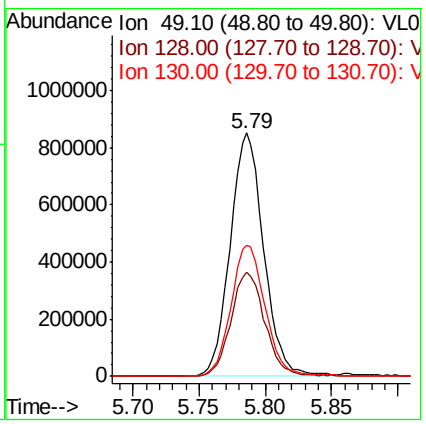




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 49 Resp: 1493320

Ion	Ratio	Lower	Upper
49	100		
128	43.8	20.7	62.1
130	55.2	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018DL

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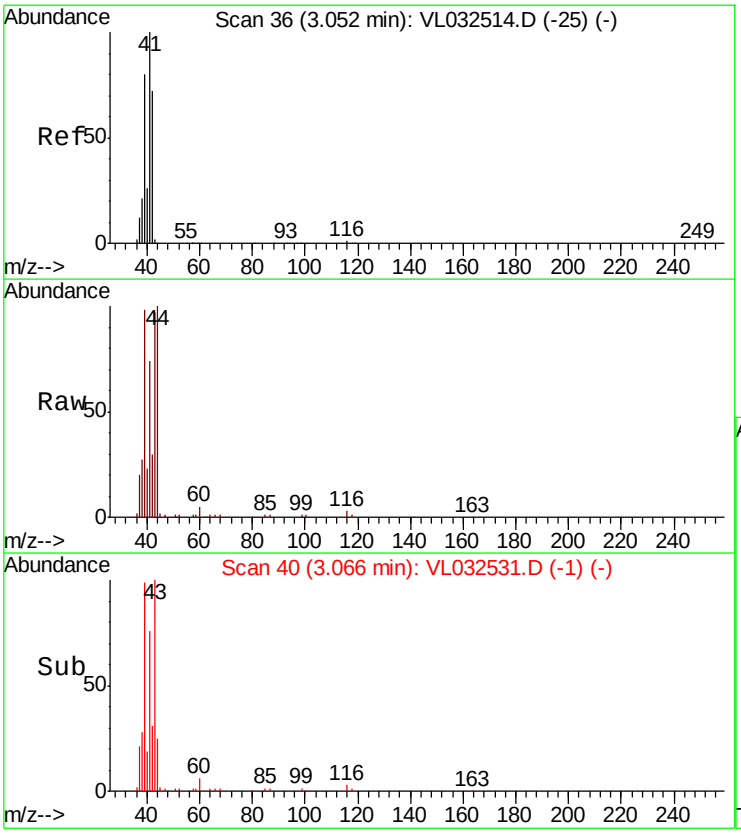
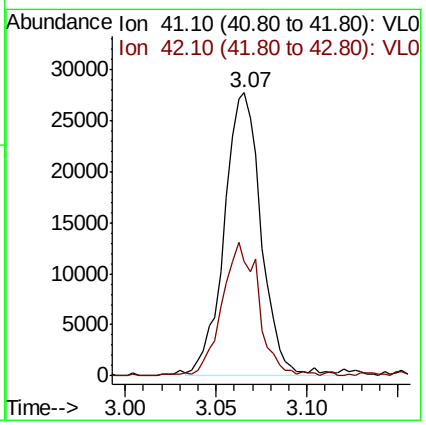
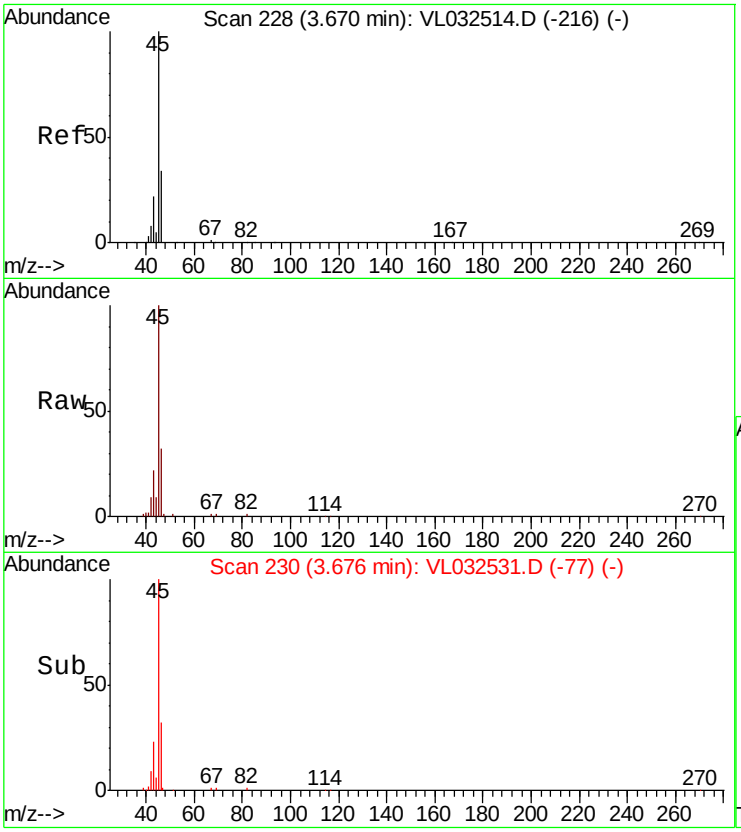


#9
Propene
Concen: 0.727 ppbv m
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 41 Resp: 39177

Ion	Ratio	Lower	Upper
41	100		
42	218.1	56.6	84.8#

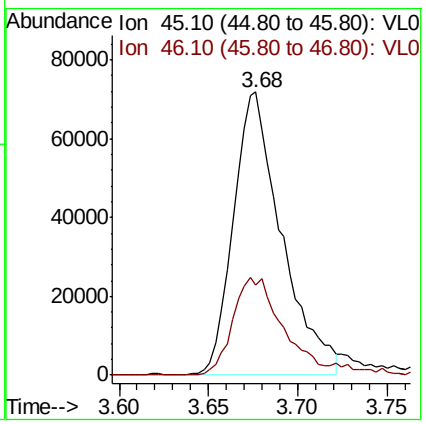




#13
Ethanol
Concen: 8.356 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 45 Resp: 135327

Ion	Ratio	Lower	Upper
45	100		
46	38.7	14.2	56.8



Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018DL

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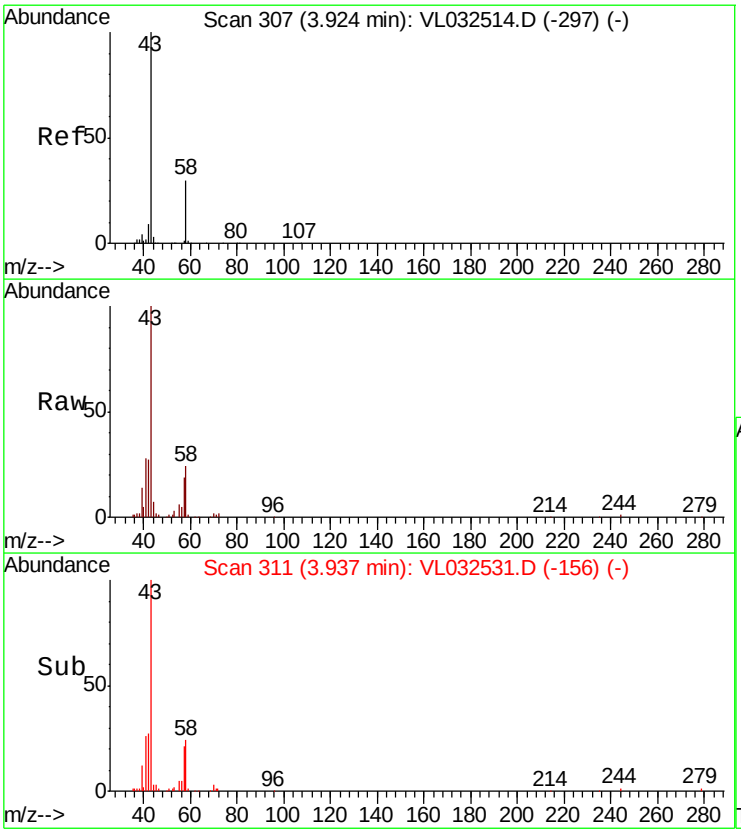
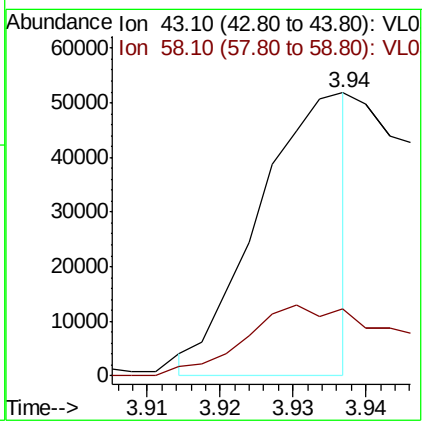
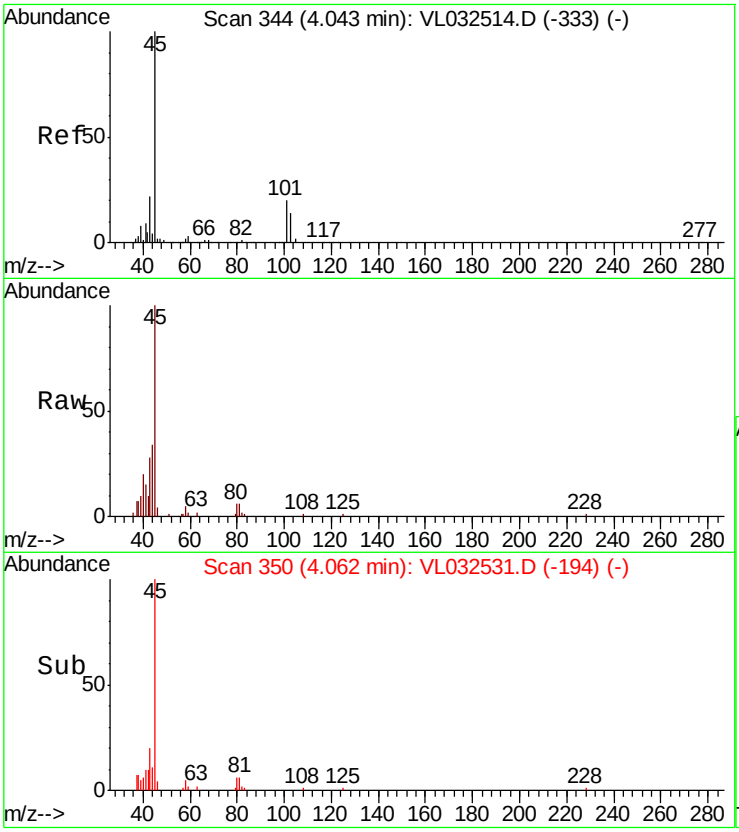


#15
Acetone
Concen: 0.342 ppbv m
RT: 3.94 min Scan# 311
Delta R.T. -0.00 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 43 Resp: 44805

Ion	Ratio	Lower	Upper
43	100		
58	48.8	22.6	33.8#





#19
Isopropyl Alcohol
Concen: 0.264 ppbv
RT: 4.06 min Scan# 350
Delta R.T. 0.00 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 45 Resp: 24132

Ion	Ratio	Lower	Upper
45	100		
58	4.8	2.0	3.0#

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018DL

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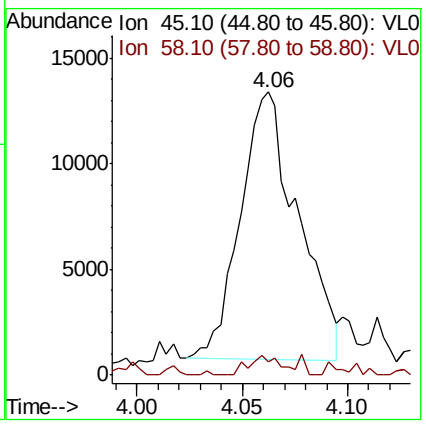
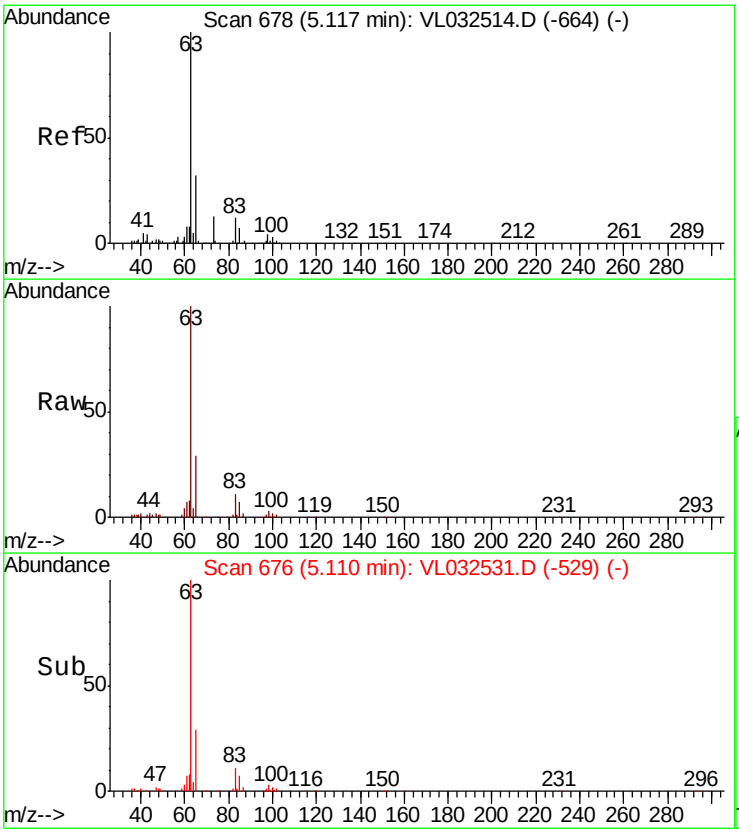
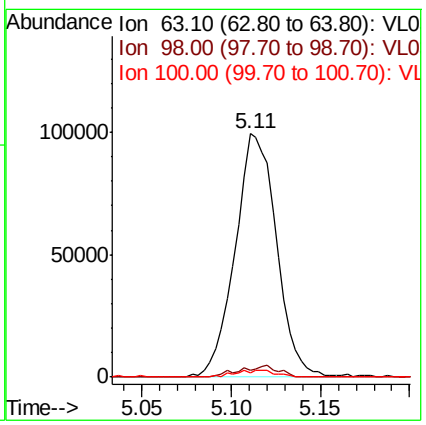


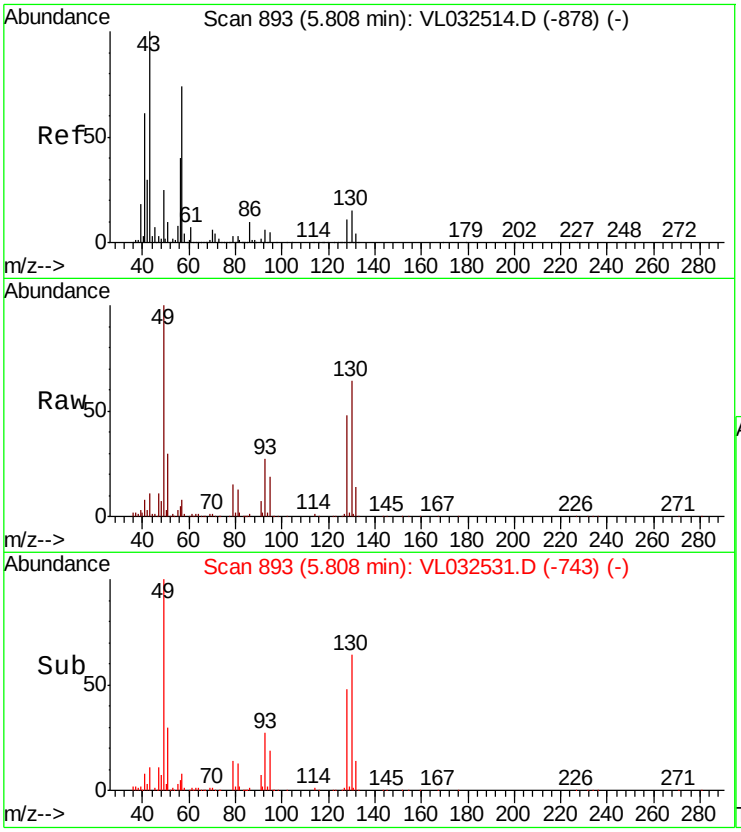


#24
1,1-Dichloroethane
Concen: 0.834 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 63 Resp: 160798

Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.1	6.5
100	1.6	1.5	4.4

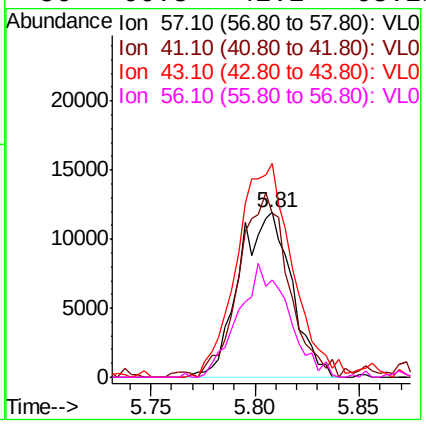




#26
Hexane
Concen: 0.146 ppbv m
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 57 Resp: 20981

Ion	Ratio	Lower	Upper
57	100		
41	106.2	69.0	103.4#
43	139.2	172.1	258.1#
56	66.8	42.2	63.2#



Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018DL

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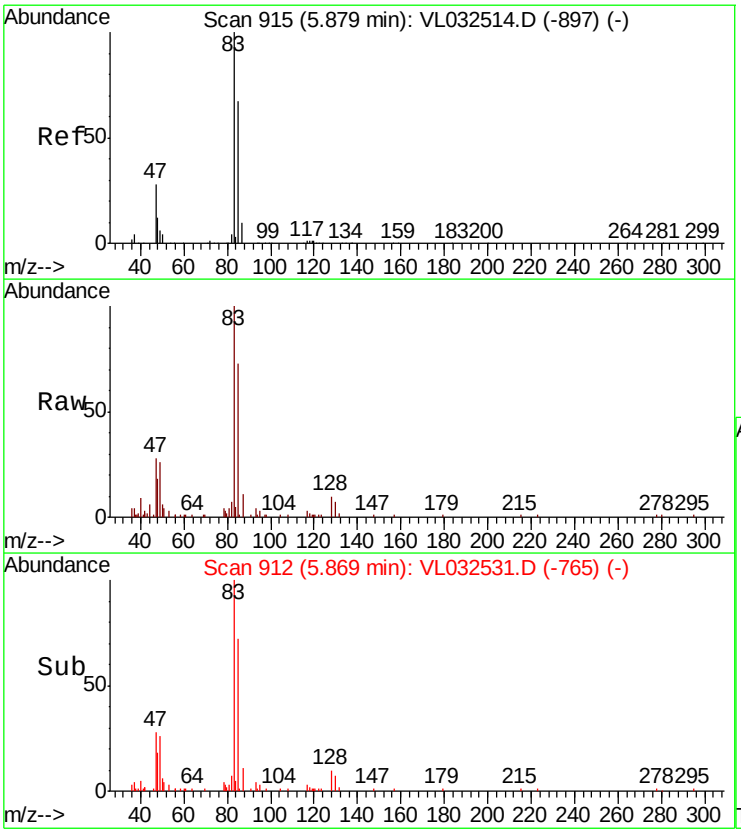
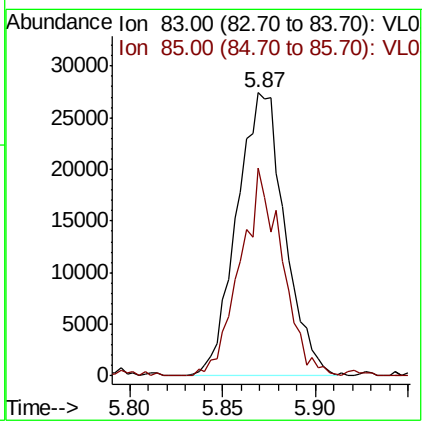
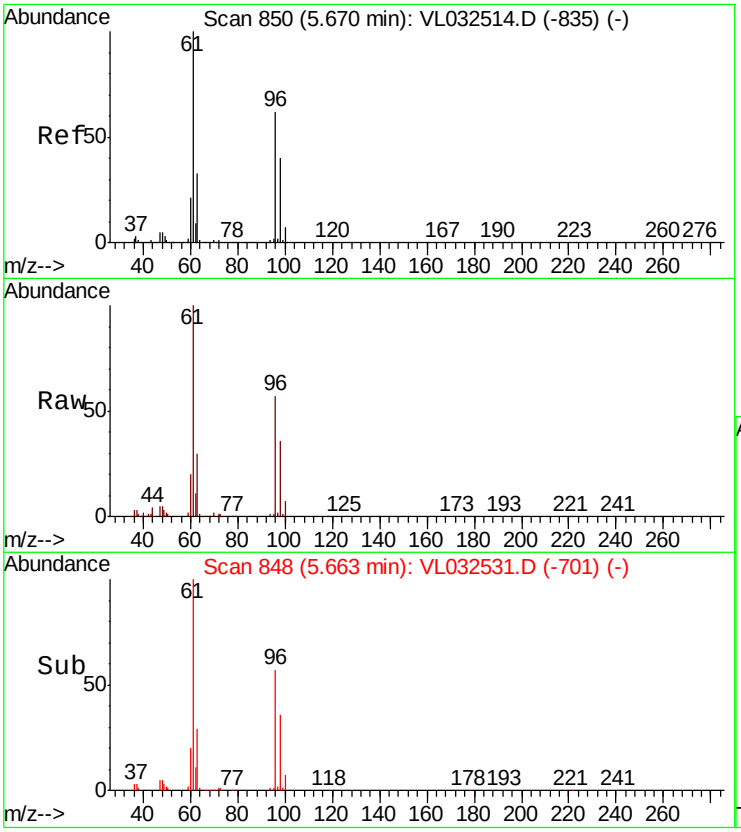


#29
Chloroform
Concen: 0.223 ppbv
RT: 5.87 min Scan# 912
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 83 Resp: 49233

Ion	Ratio	Lower	Upper
83	100		
85	73.3	52.5	78.7

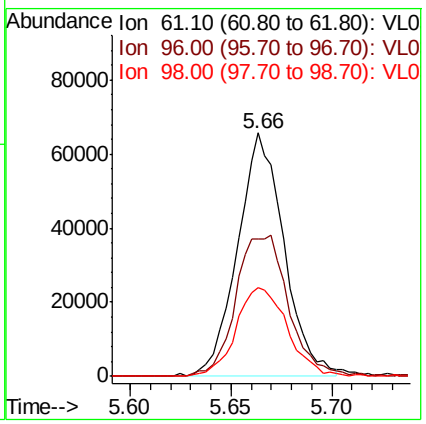




#31
cis-1,2-Dichloroethene
Concen: 0.769 ppbv
RT: 5.66 min Scan# 848
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 61 Resp: 105256

Ion	Ratio	Lower	Upper
61	100		
96	56.4	49.2	73.8
98	36.1	30.7	46.1



Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018DL

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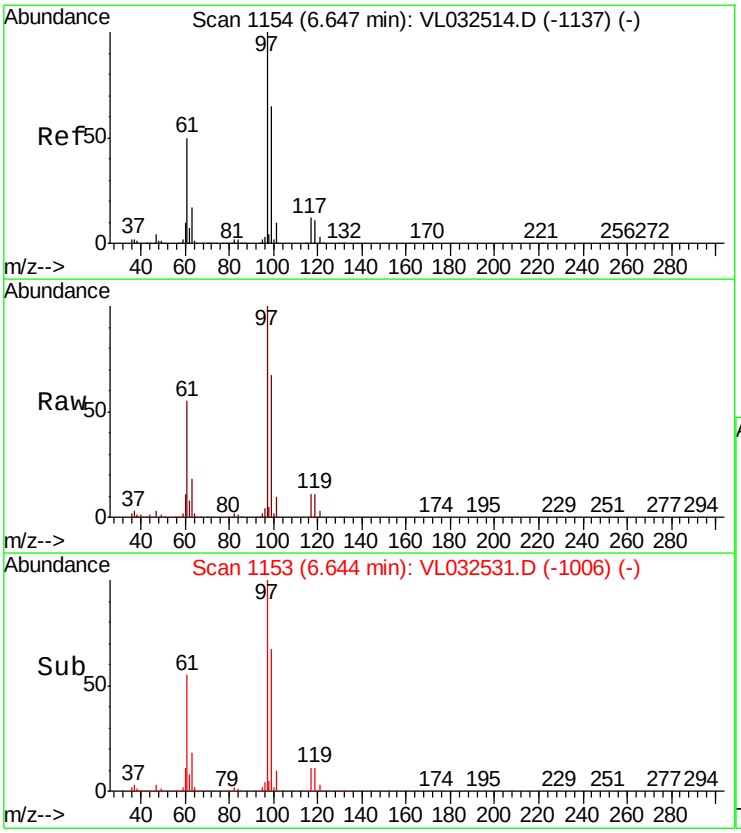
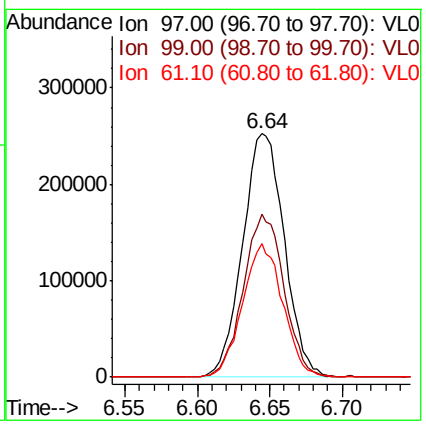
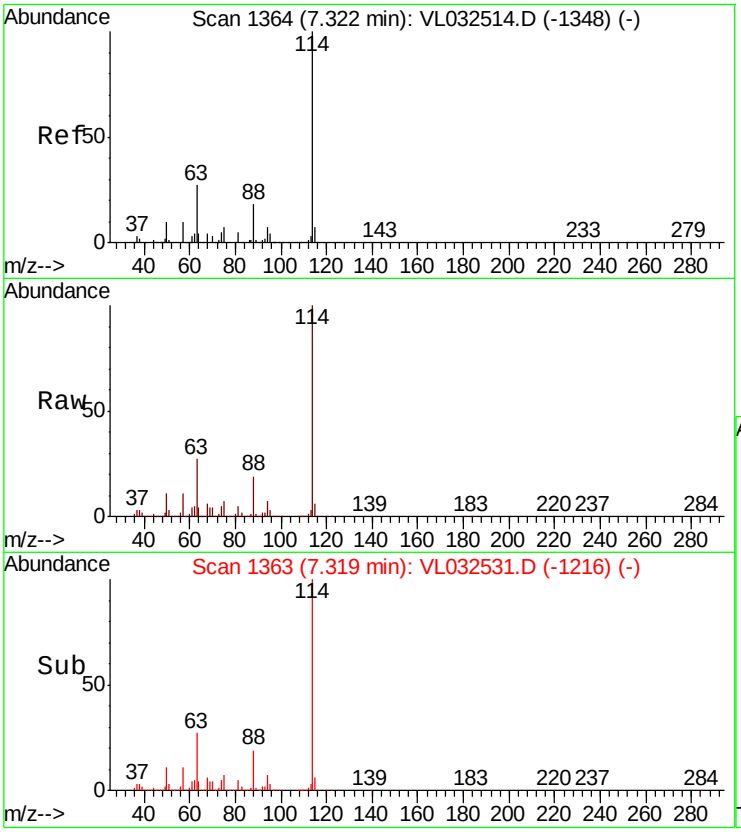


#32
1,1,1-Trichloroethane
Concen: 2.157 ppbv
RT: 6.64 min Scan# 1153
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 97 Resp: 506699

Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.1	78.1
61	52.8	42.5	63.7

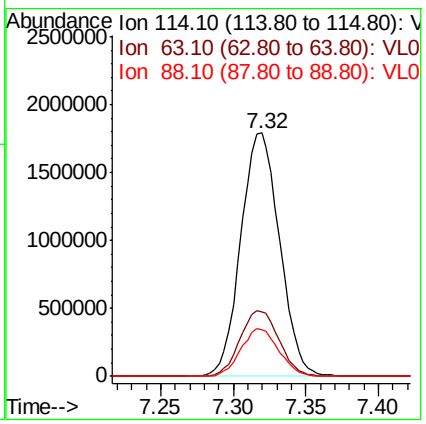




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion:114 Resp: 3338856

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	19.1	15.0	22.4



Instrument :
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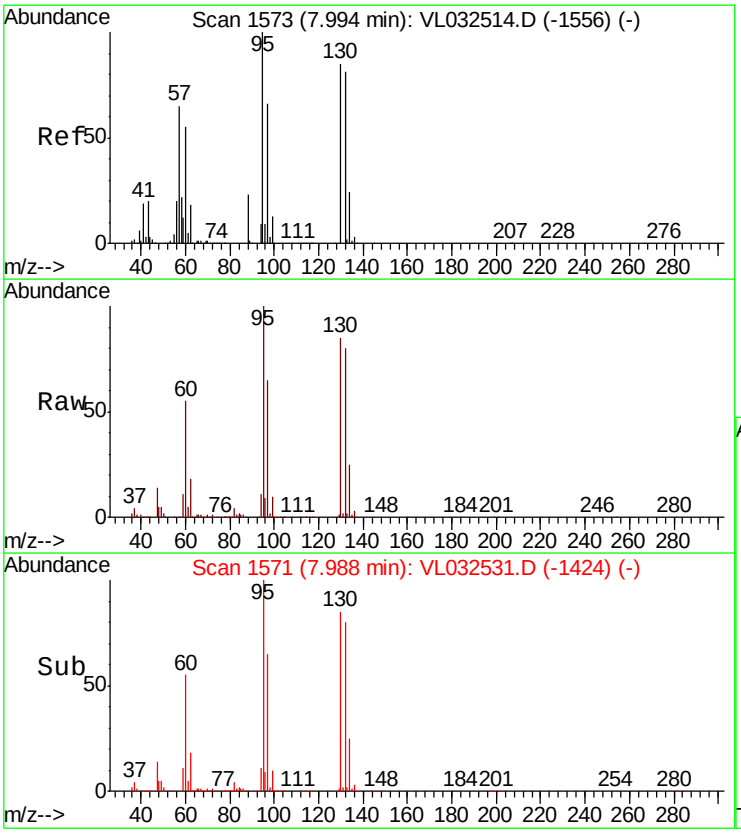
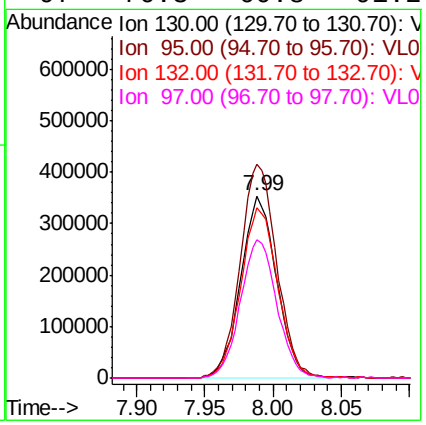
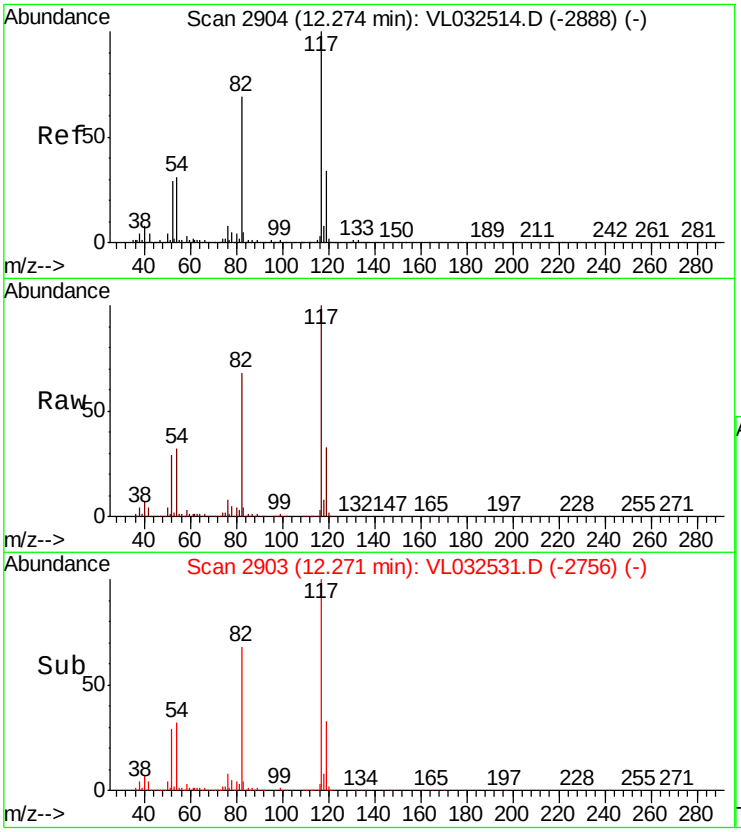


#38
Trichloroethene
Concen: 6.241 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion:130 Resp: 644548

Ion	Ratio	Lower	Upper
130	100		
95	117.5	94.2	141.4
132	93.5	76.2	114.4
97	76.3	60.8	91.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion:117 Resp: 3217144

Ion	Ratio	Lower	Upper
117	100		
82	68.1	53.0	79.6
119	32.6	45.9	68.9#

Instrument :
MSVOA_L
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Manual Integrations APPROVED
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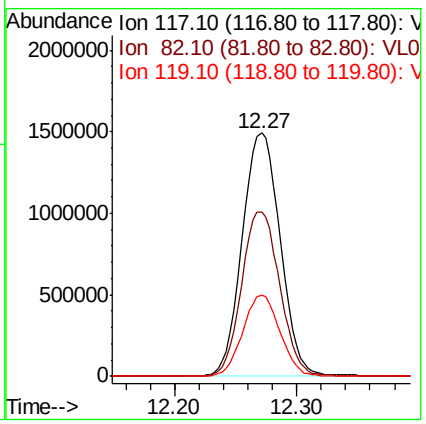

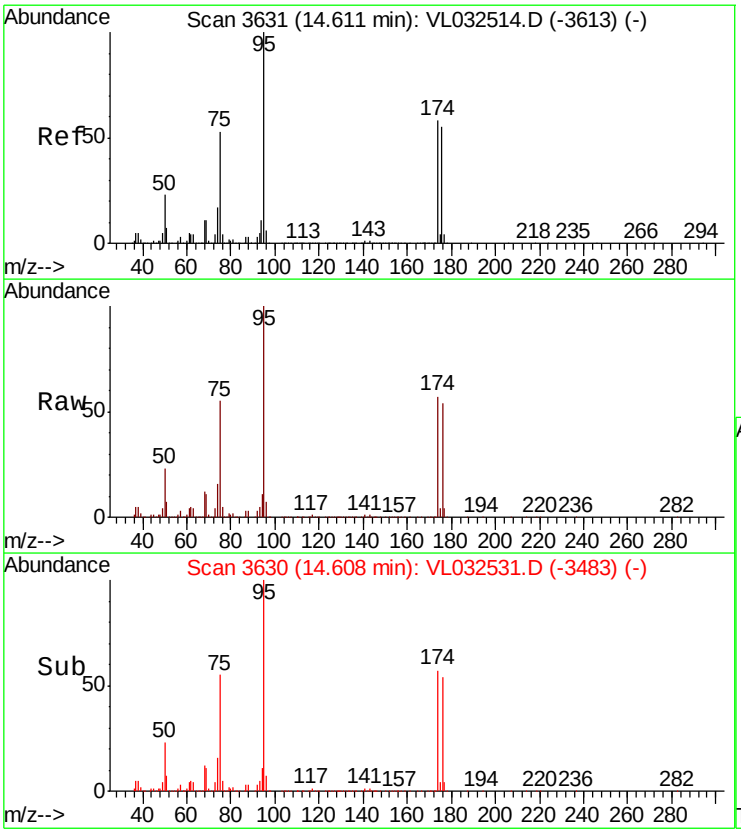

#68
1-Bromo-4-Fluorobenzene
Concen: 10.055 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032531.D
Acq: 25 Sep 2018 5:37

Tgt Ion: 95 Resp: 2439485

Ion	Ratio	Lower	Upper
95	100		
174	58.2	46.3	69.5
175	4.2	3.4	5.0