Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033467.D
Acq On : 27 Mar 2019 14:08
Operator : SY/AP
Sample : K1560-15 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Manual Integrations APPROVED
MMDadoda
4/1/2019 1:56:17 AM

Quant Time: Mar 31 11:02:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 2
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	830676	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1933659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1870465	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1481264	10.10	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%			
Target Compounds						Qvalue
13) Ethanol	3.66	45	4995m	0.481	ppbv	
17) tert-Butyl alcohol	4.38	59	7398	0.403	ppbv	100
20) Methylene Chloride	4.41	84	21688	0.512	ppbv	91
40) 1,4-Dioxane	7.99	88	10063m	0.444	ppbv	
66) Benzyl Chloride	17.15	91	31548m	0.252	ppbv	
80) Naphthalene,2-methyl-	25.12	142	10187	0.143	ppbv	96

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

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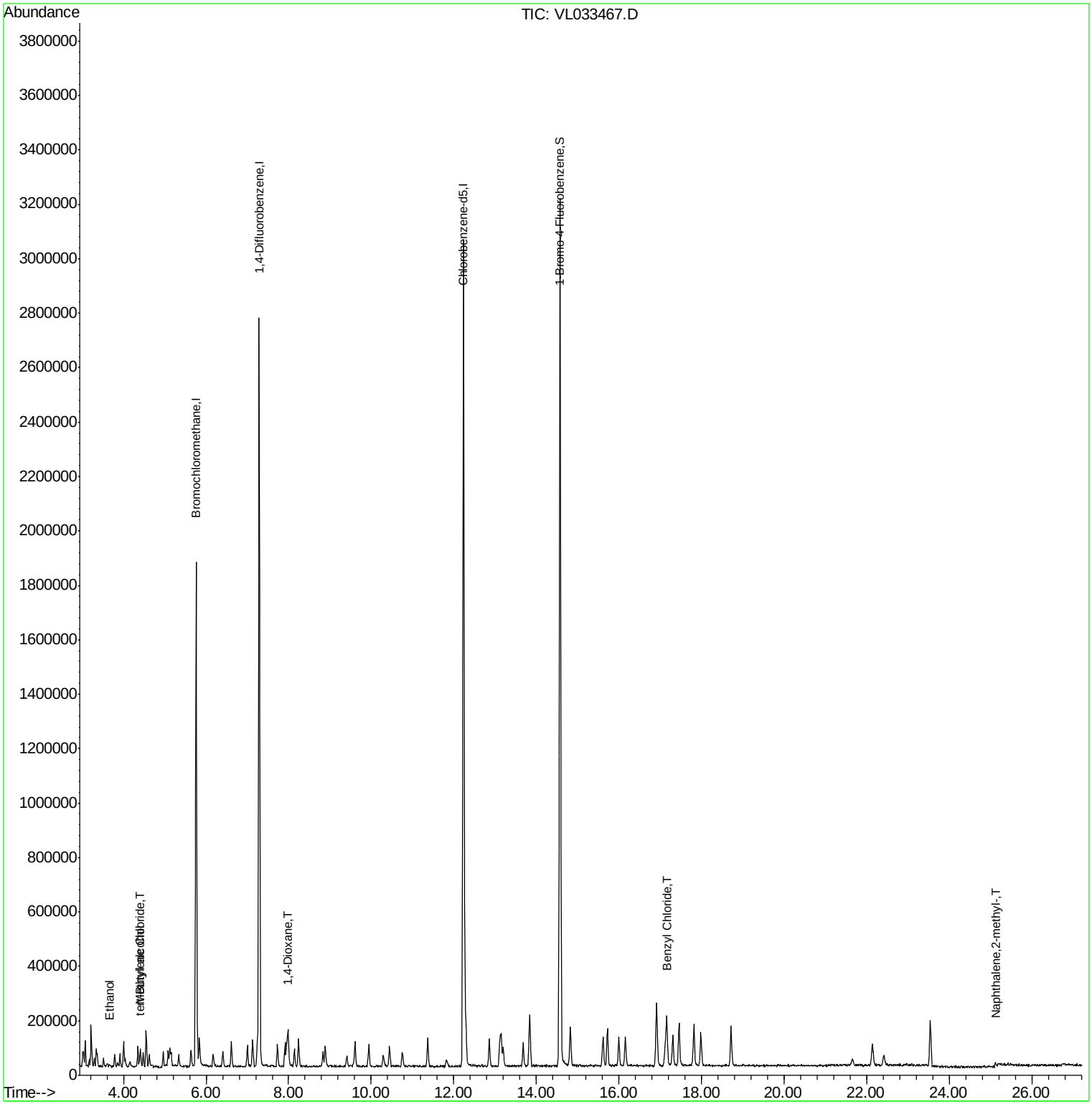
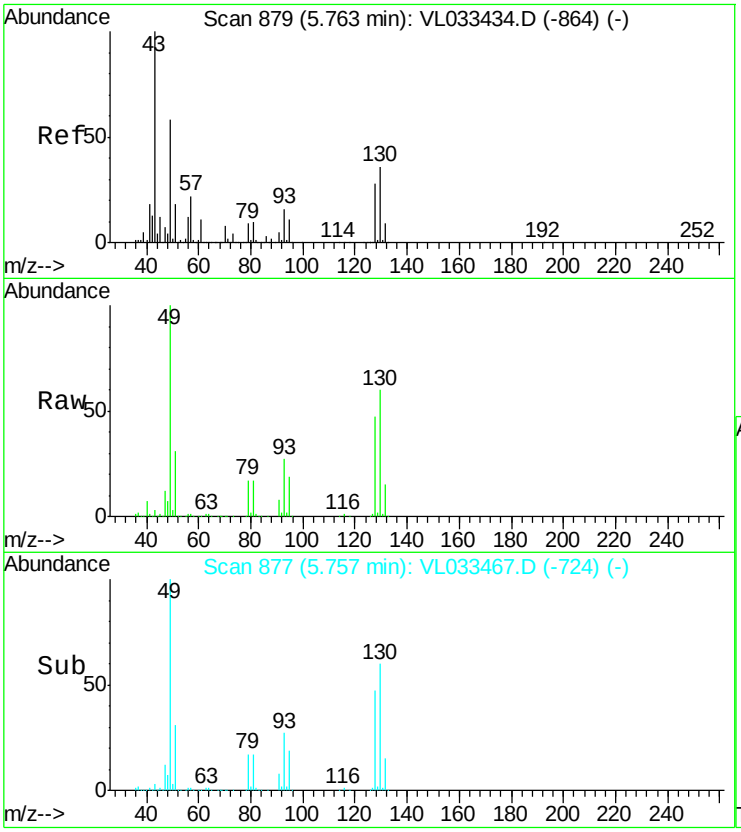
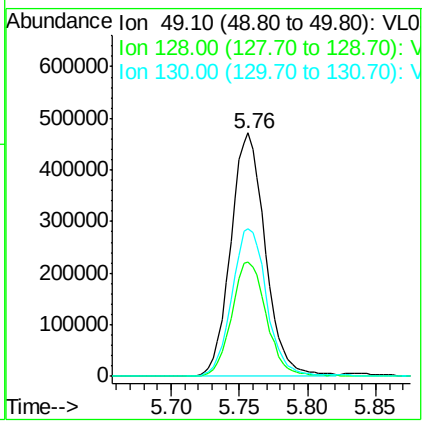




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 49 Resp: 830676

Ion	Ratio	Lower	Upper
49	100		
128	47.6	24.0	72.0
130	61.5	31.2	93.6



Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Manual Integrations APPROVED
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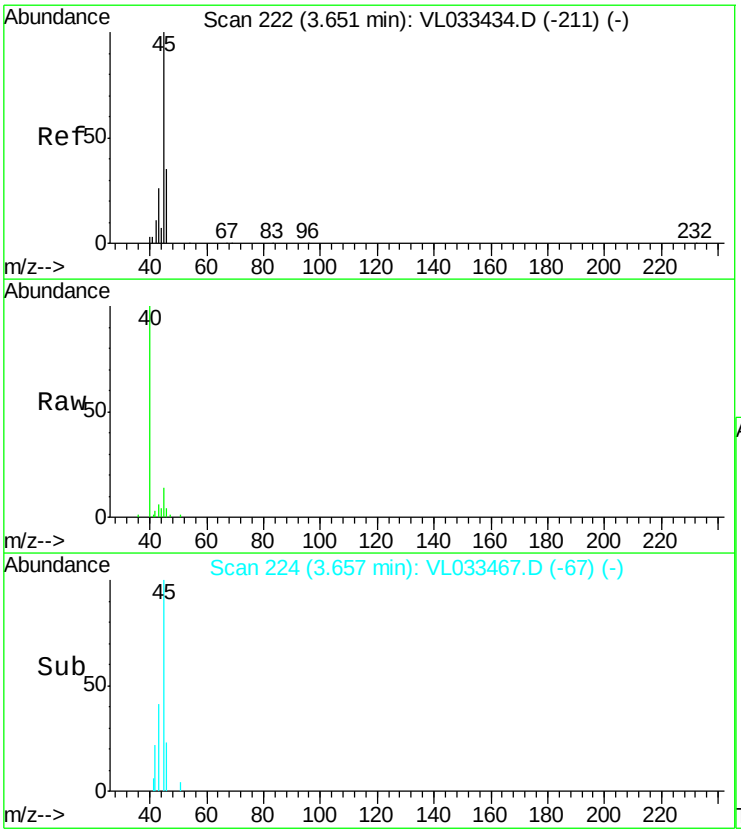
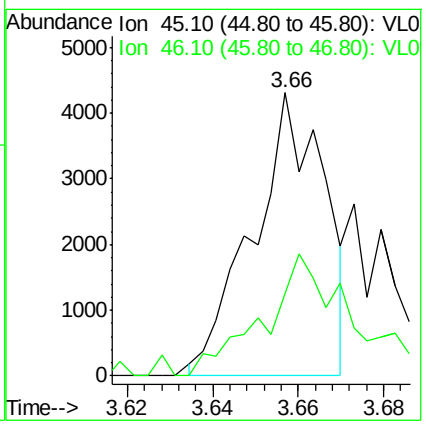
4/1/2019 1:56:17 AM

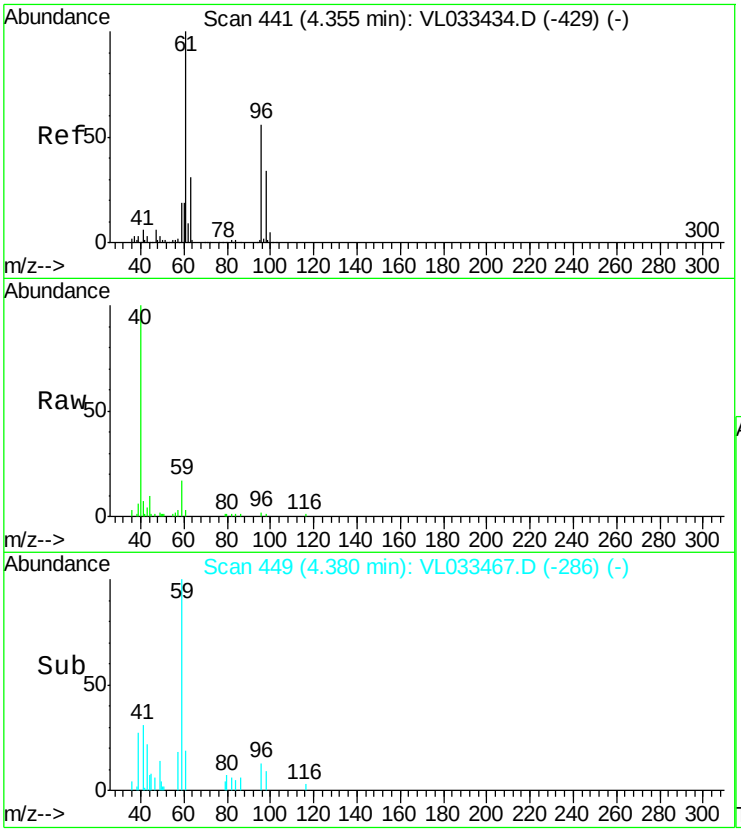


#13
Ethanol
Concen: 0.481 ppbv m
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 45 Resp: 4995

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#

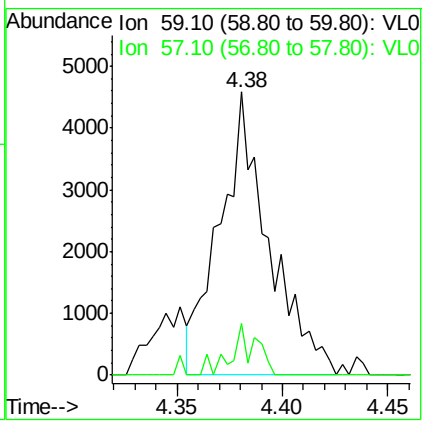




#17
tert-Butyl alcohol
Concen: 0.403 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.03 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 59 Resp: 7398

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8



Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

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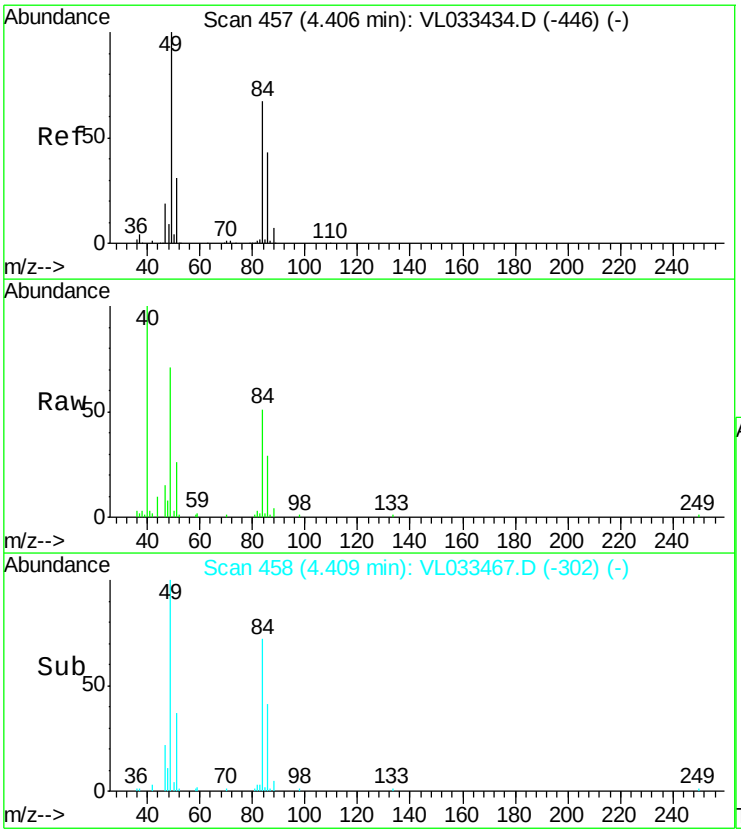
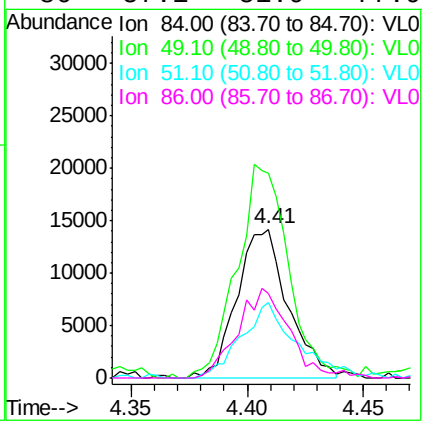
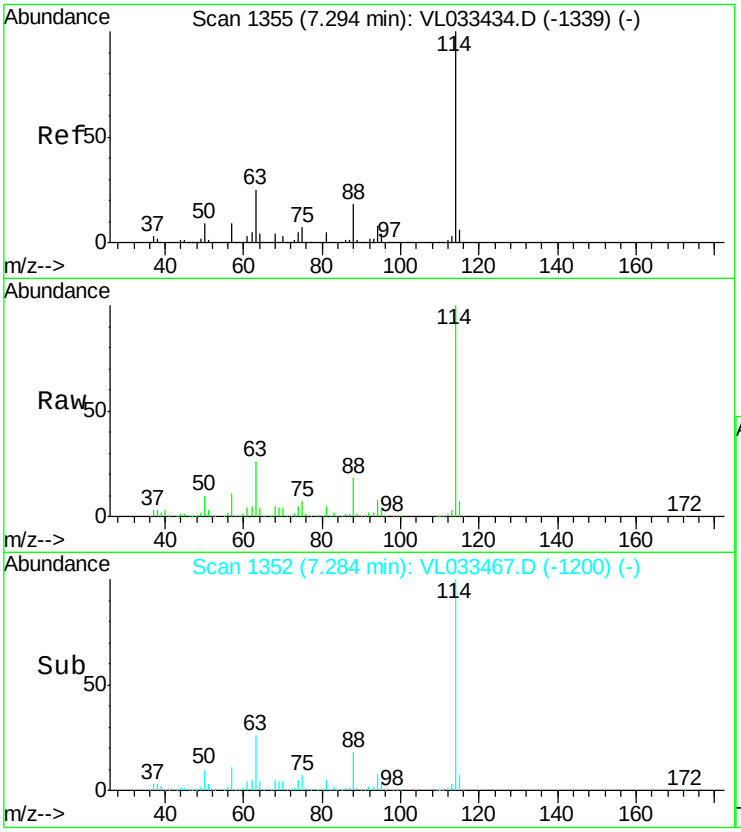


#20
Methylene Chloride
Concen: 0.512 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 84 Resp: 21688

Ion	Ratio	Lower	Upper
84	100		
49	137.9	120.0	180.0
51	51.0	36.7	55.1
86	57.1	51.9	77.9

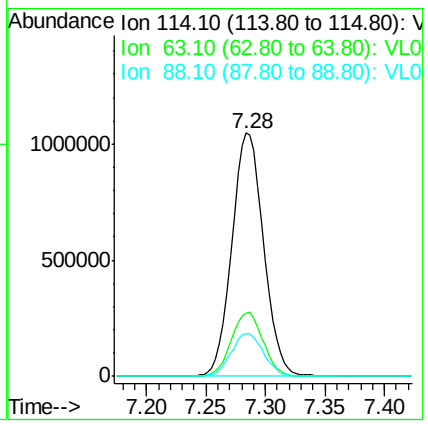




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:114 Resp: 1933659

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.1	14.5	21.7



Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Manual Integrations APPROVED
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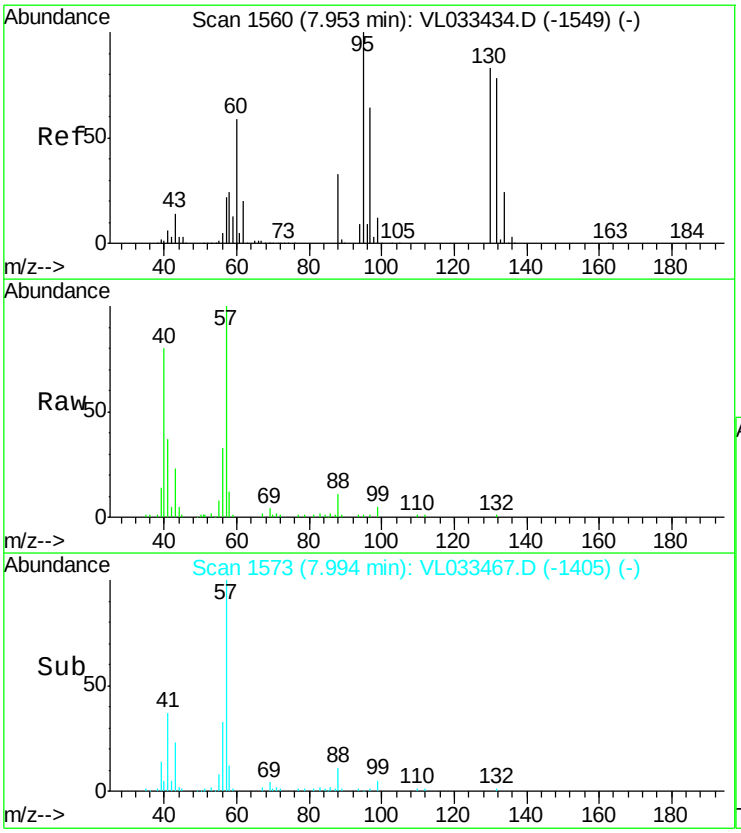
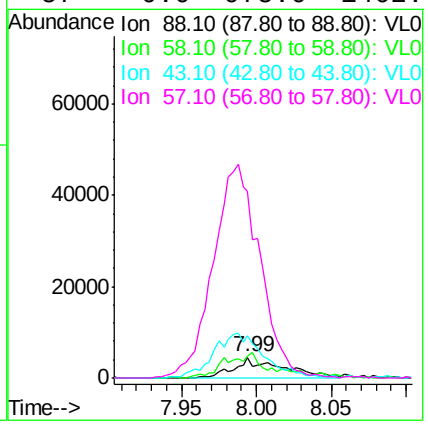
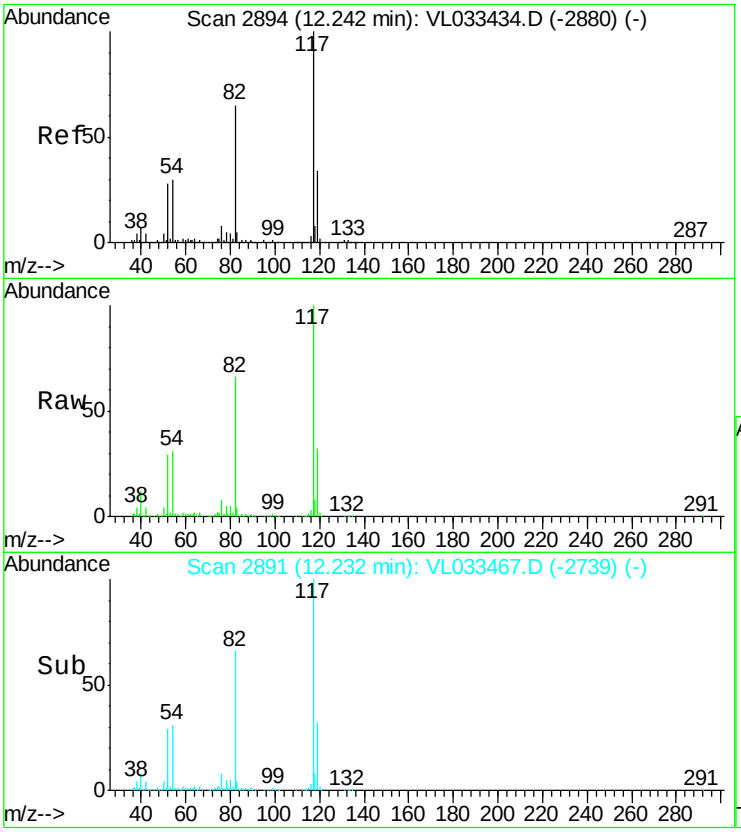


#40
1,4-Dioxane
Concen: 0.444 ppbv m
RT: 7.99 min Scan# 1573
Delta R.T. 0.04 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 88 Resp: 10063

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	216.7	325.1#
57	0.0	975.0	1462.4#

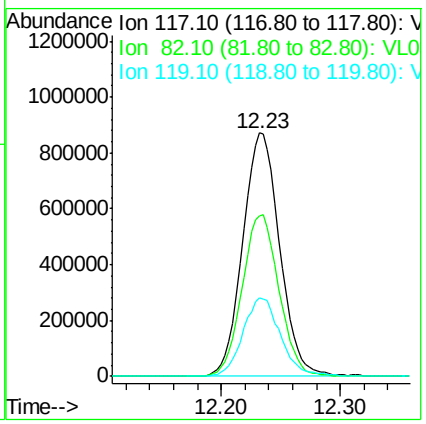




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:117 Resp: 1870465

Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.5	77.3
119	32.9	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Manual Integrations APPROVED
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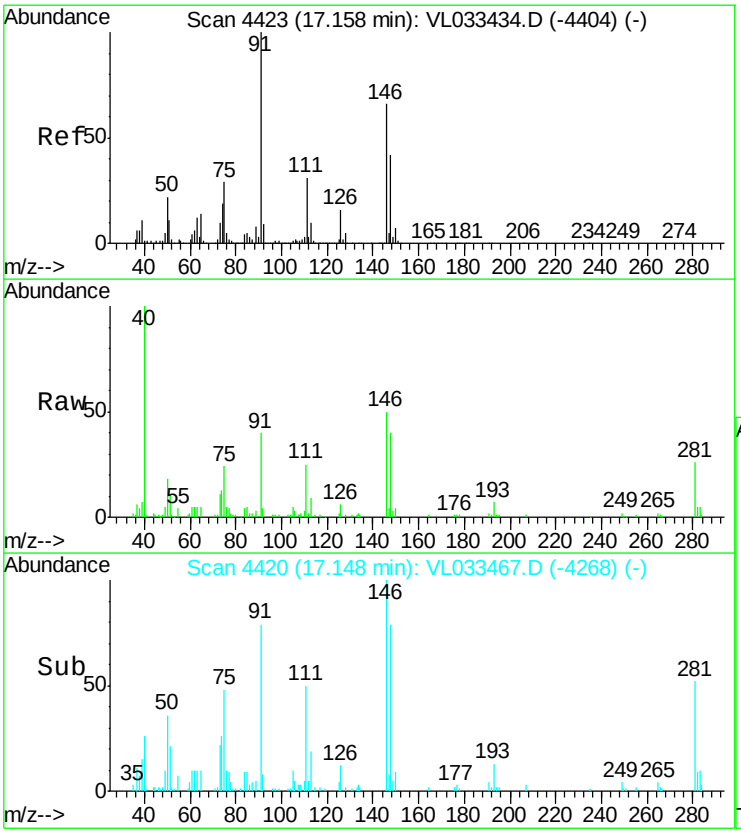
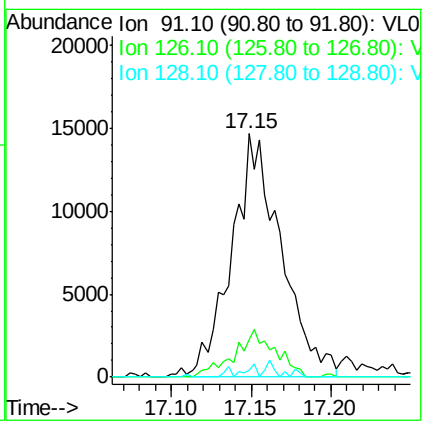
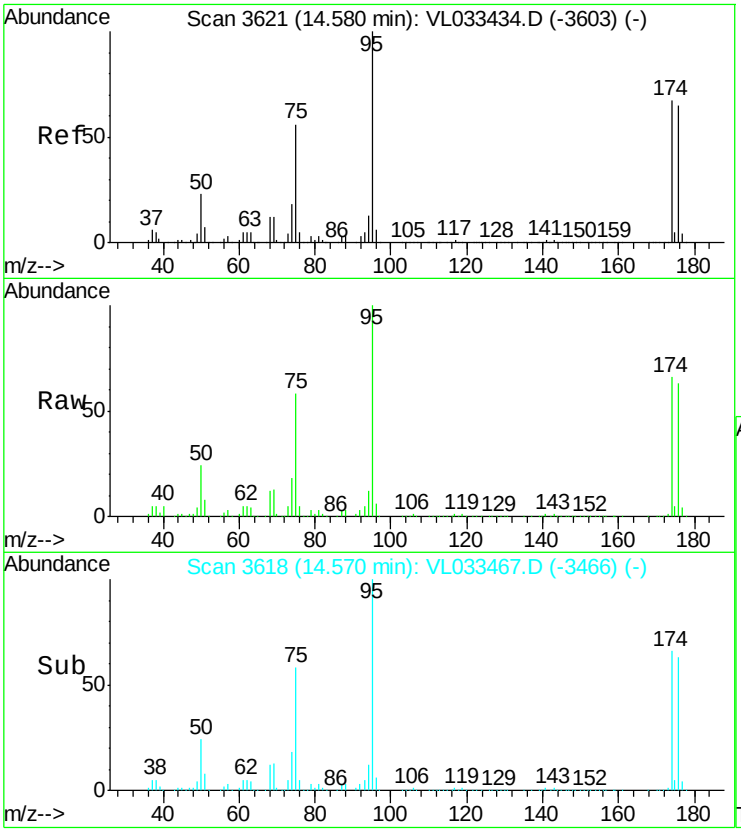


#66
Benzyl Chloride
Concen: 0.252 ppbv m
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 91 Resp: 31548

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.0	19.6#
128	0.0	4.2	6.2#

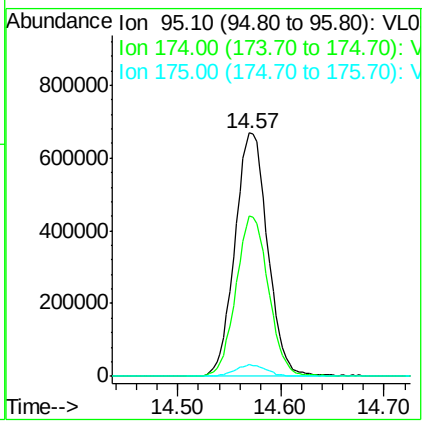




#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 95 Resp: 1481264

Ion	Ratio	Lower	Upper
95	100		
174	65.6	52.9	79.3
175	4.7	3.8	5.6



Instrument :
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ClientSampleId :
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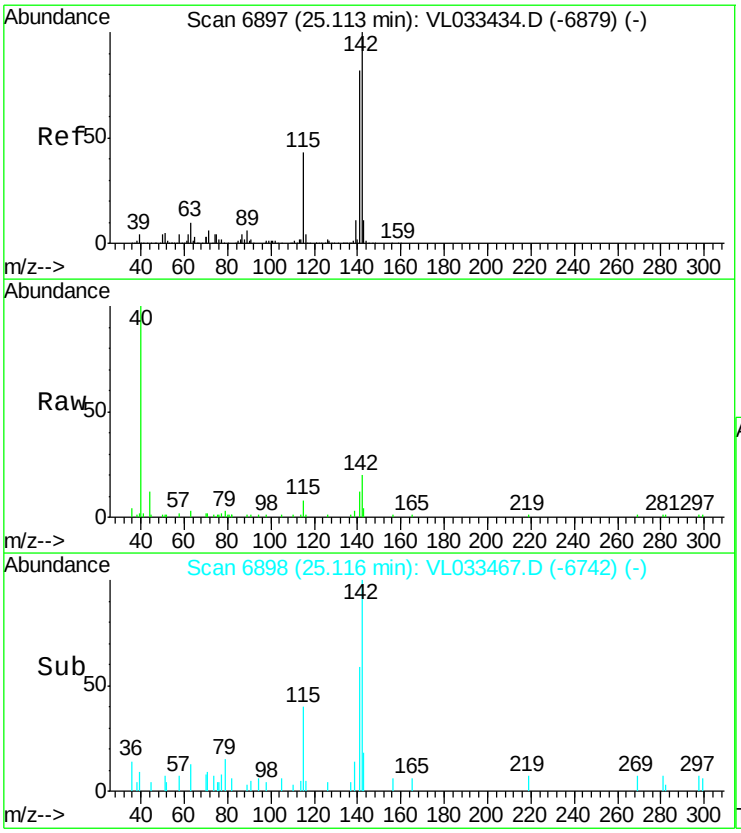

#80
Naphthalene,2-methyl-
Concen: 0.143 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:142 Resp: 10187

Ion	Ratio	Lower	Upper
142	100		
141	78.6	66.6	99.8
115	44.0	34.4	51.6