Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090820\
Data File : VL035572.D
Acq On : 9 Sep 2020 1:47
Operator : SY/AP
Sample : L3898-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

Manual Integrations APPROVED
MMDadoda
9/10/2020 10:45:40 AM

Quant Time: Sep 09 15:37:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 2
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1219608	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4939241	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4996268	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3747105	10.56	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.60%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.97	51	21778m	0.161	ppbv	
9) Propene	3.01	41	13168	0.253	ppbv #	78
11) Trichlorofluoromethane	3.94	101	246812	0.801	ppbv	94
13) Ethanol	3.59	45	97898	7.593	ppbv	98
15) Acetone	3.83	43	1080691	8.034	ppbv	99
19) Isopropyl Alcohol	3.96	45	63777	0.795	ppbv #	93
53) Toluene	9.80	91	47785	0.119	ppbv	95
79) Naphthalene	22.22	128	76594	0.123	ppbv #	91

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

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MSVOA_L
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Manual Integrations APPROVED
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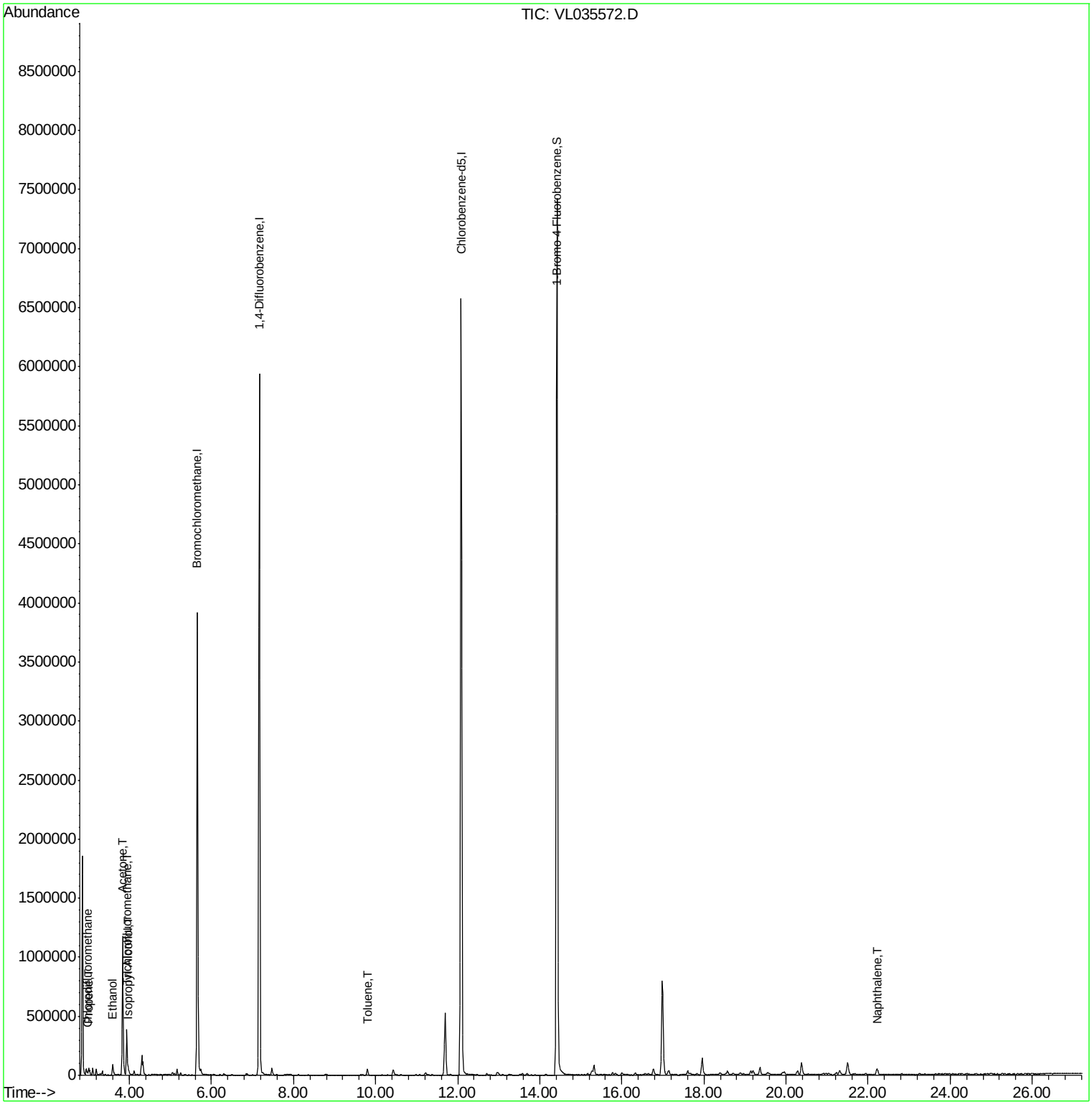
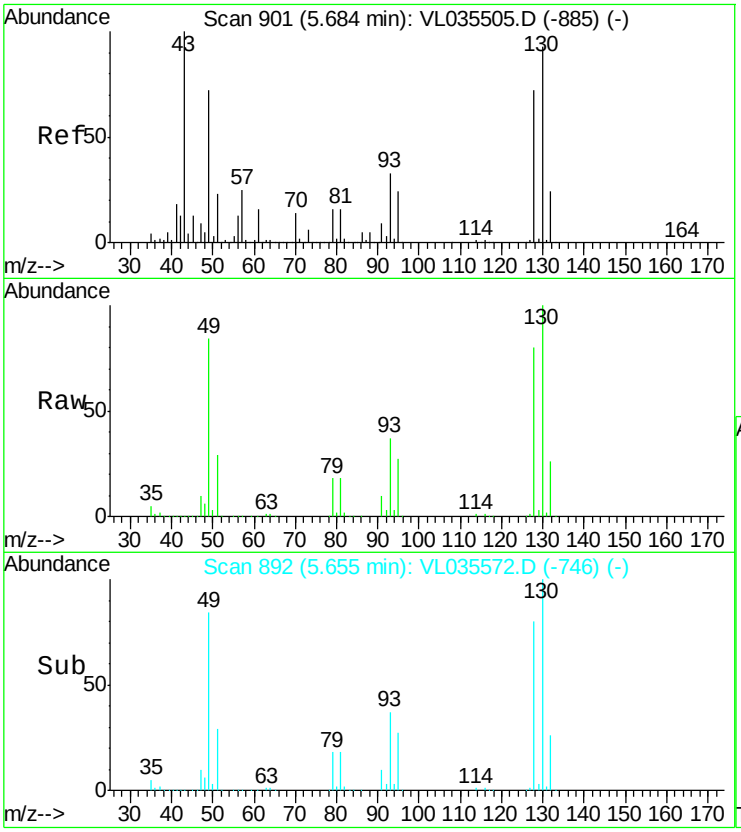
9/10/2020 10:45:40 AM

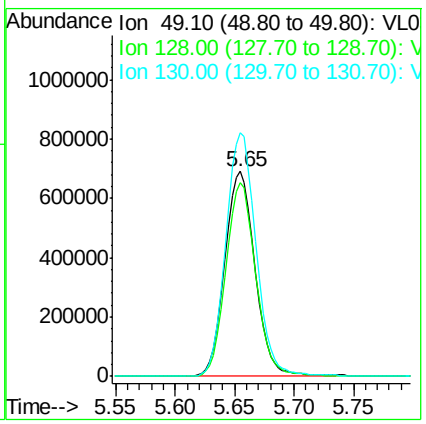




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

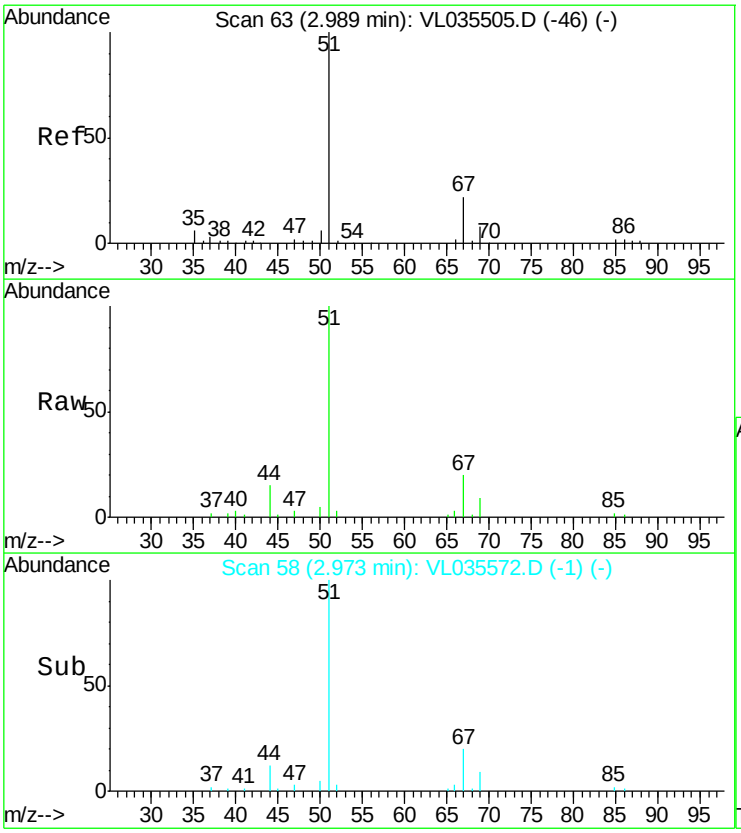
Tgt Ion: 49 Resp: 1219608

Ion	Ratio	Lower	Upper
49	100		
128	93.6	50.0	150.1
130	119.7	64.4	193.2



Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

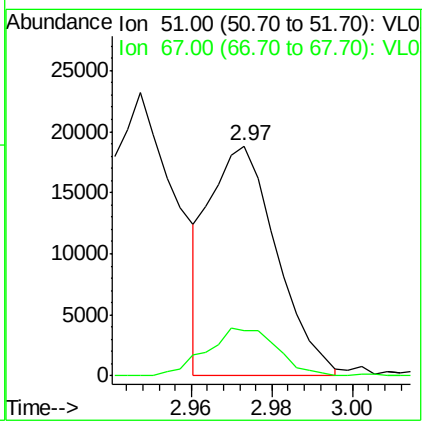
Manual Integrations APPROVED
MMDadoda
9/10/2020 10:45:40 AM

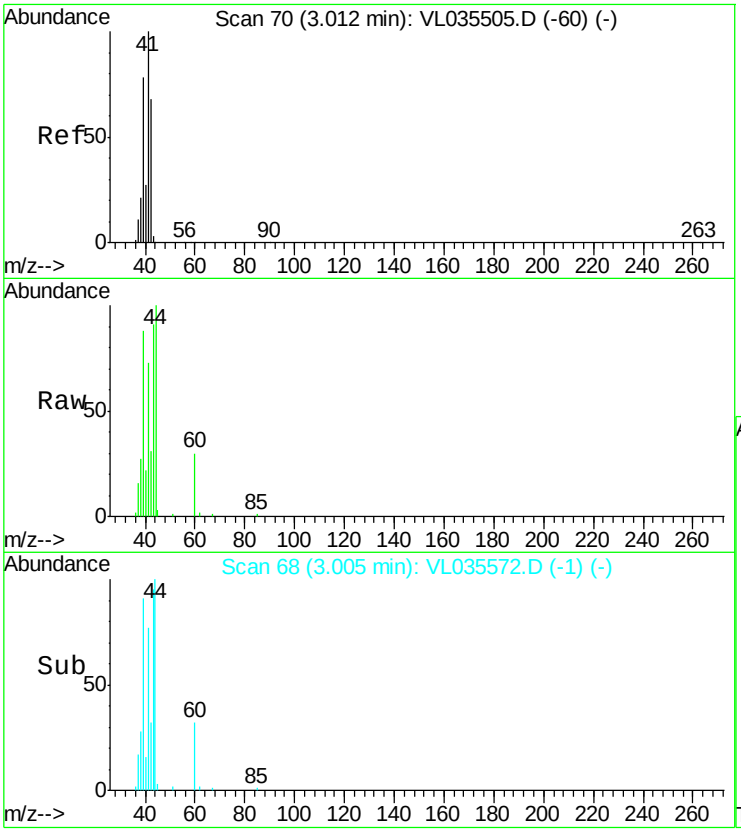


#3
Chlorodifluoromethane
Concen: 0.161 ppbv m
RT: 2.97 min Scan# 58
Delta R.T. -0.02 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 51 Resp: 21778

Ion	Ratio	Lower	Upper
51	100		
67	21.9	17.8	26.8

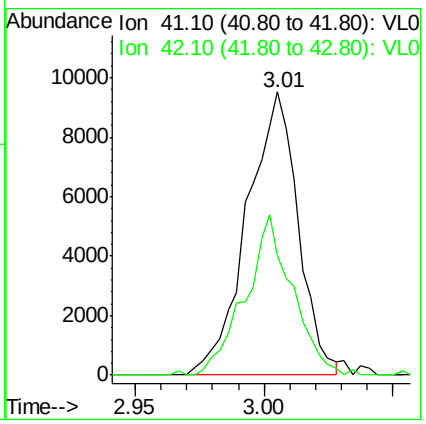




#9
Propene
Concen: 0.253 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.01 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 41 Resp: 13168

Ion	Ratio	Lower	Upper
41	100		
42	52.5	56.3	84.5#



Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

Manual Integrations APPROVED
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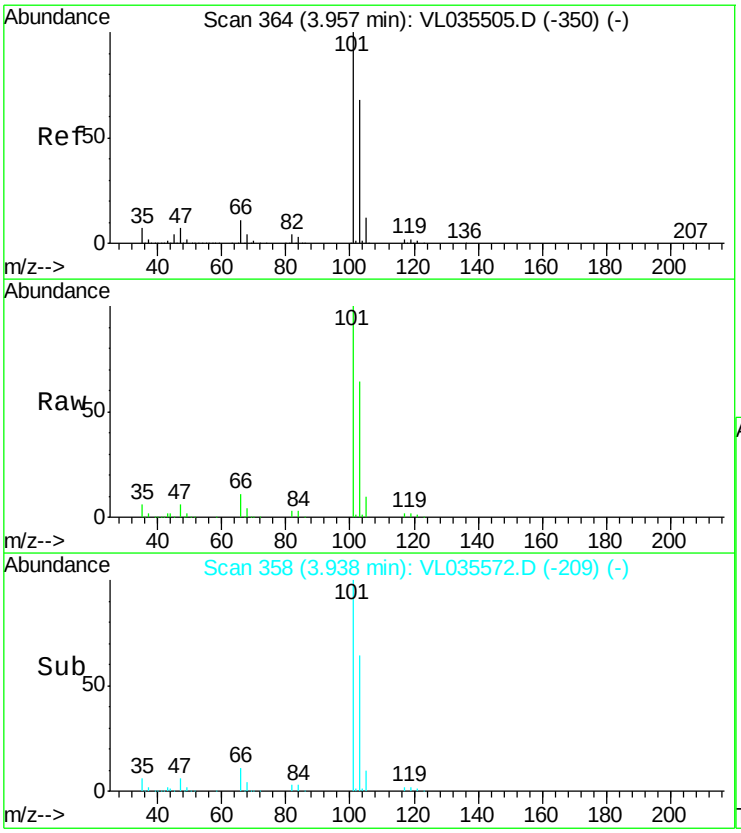
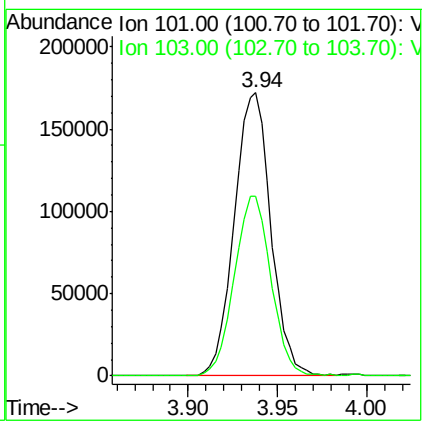
9/10/2020 10:45:40 AM

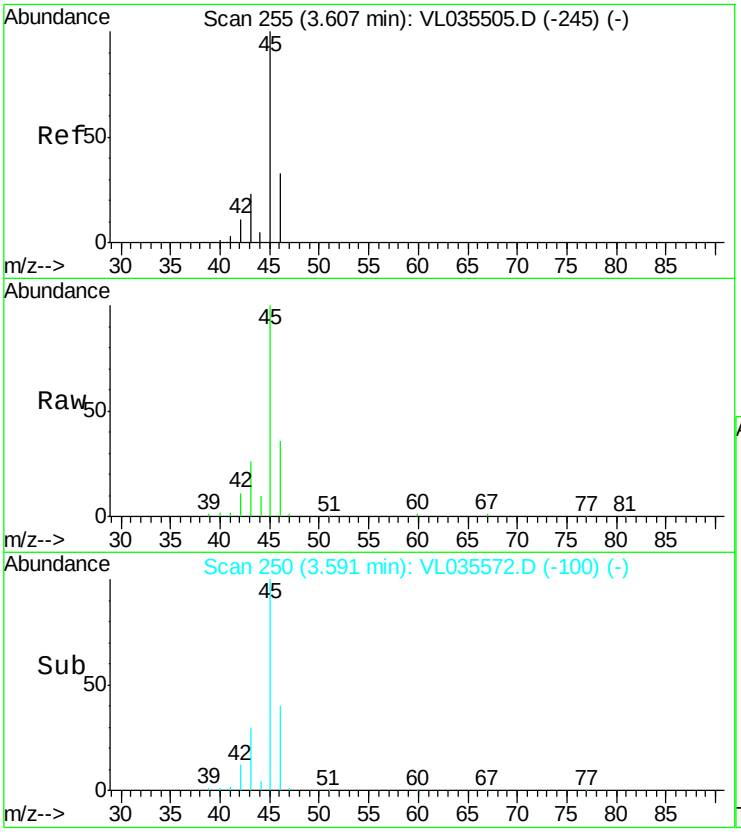


#11
Trichlorofluoromethane
Concen: 0.801 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.02 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion:101 Resp: 246812

Ion	Ratio	Lower	Upper
101	100		
103	63.5	54.5	81.7

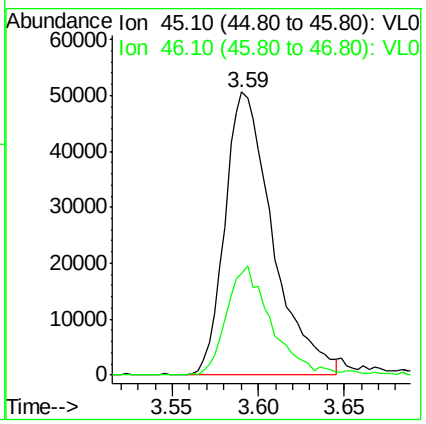




#13
Ethanol
Concen: 7.593 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 45 Resp: 97898

Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.2	60.6



Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

Manual Integrations APPROVED
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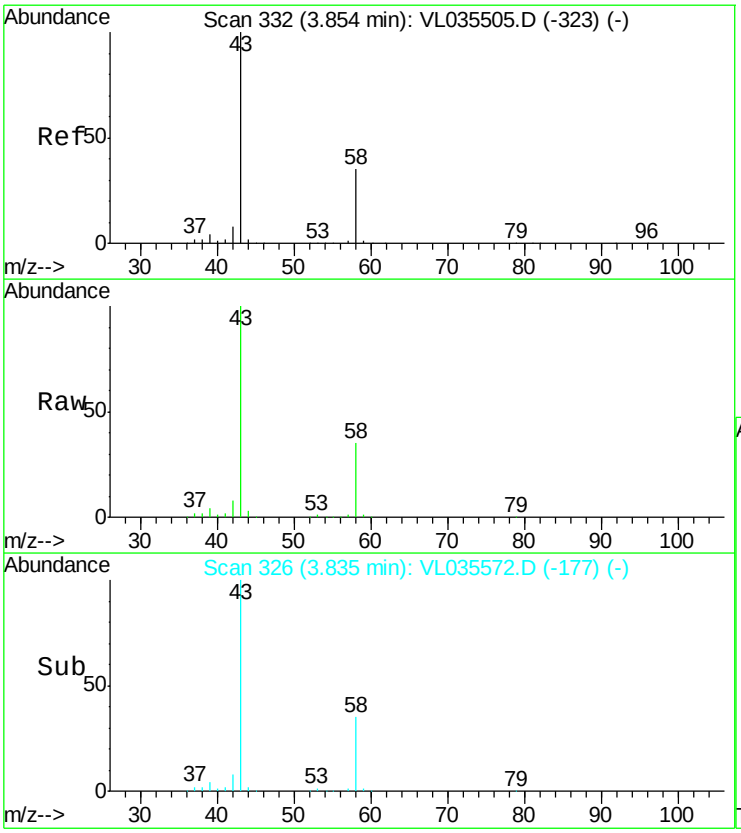
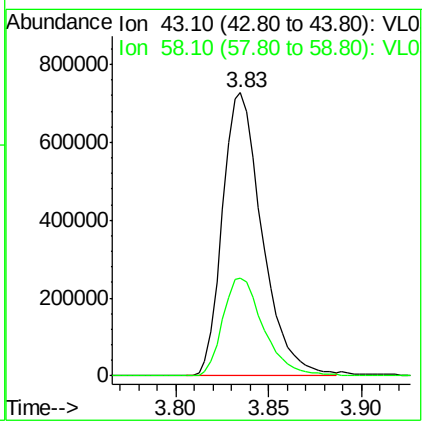
9/10/2020 10:45:40 AM

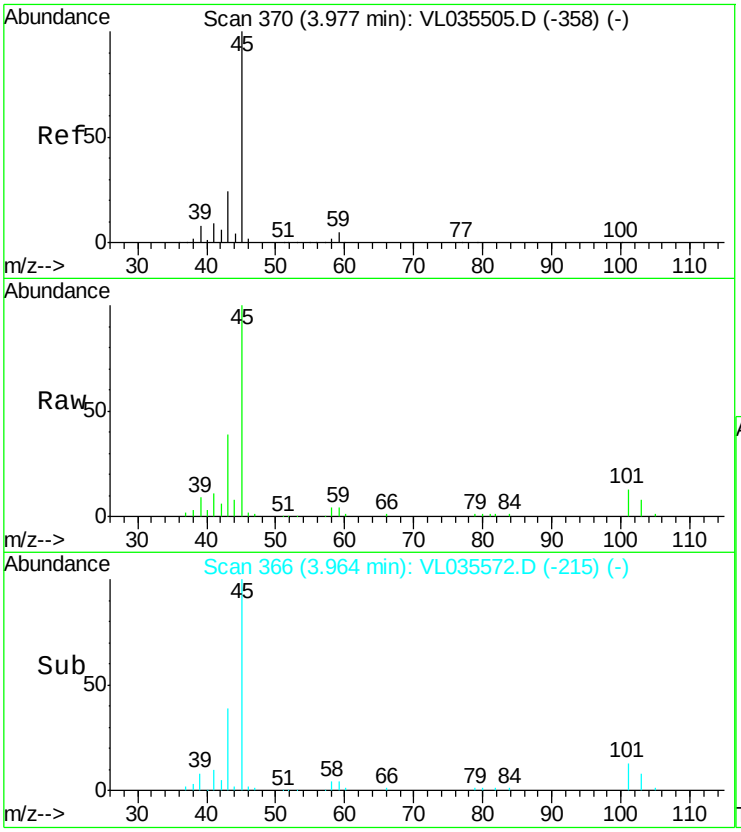


#15
Acetone
Concen: 8.034 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 43 Resp: 1080691

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.4	42.6





#19
Isopropyl Alcohol
Concen: 0.795 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 45 Resp: 63777

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

Manual Integrations APPROVED
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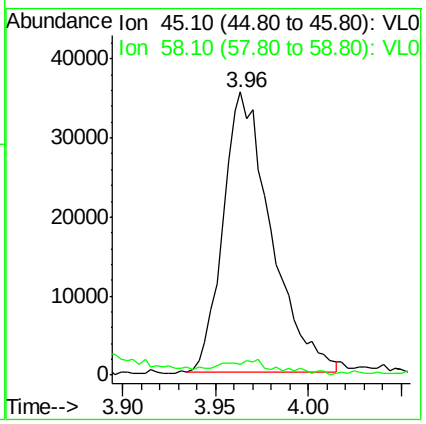
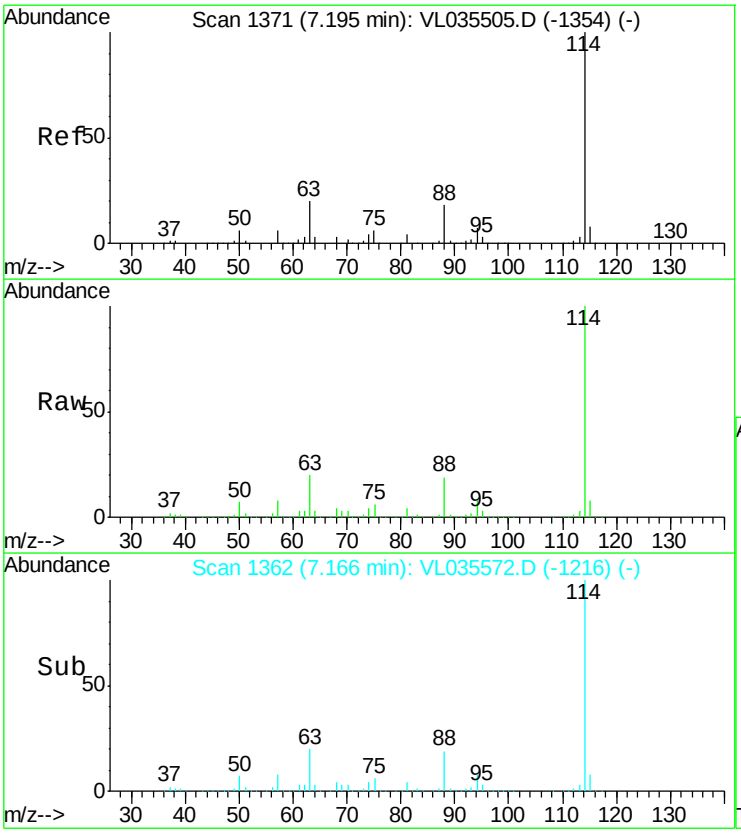
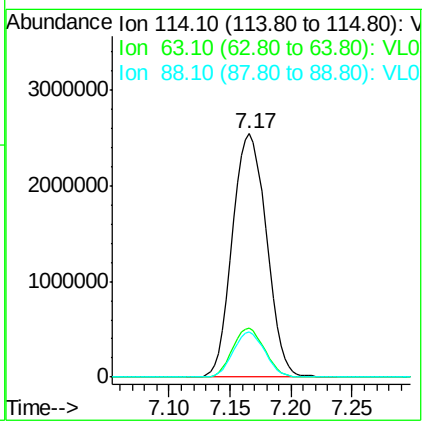


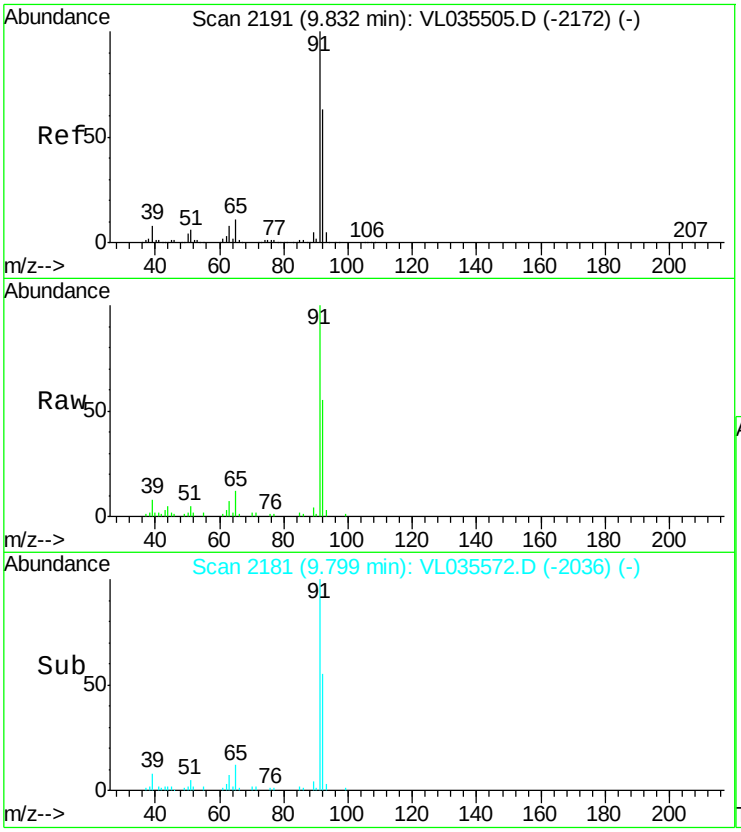


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion:114 Resp: 4939241

Ion	Ratio	Lower	Upper
114	100		
63	19.0	14.7	22.1
88	17.3	13.4	20.2





#53
Toluene
Concen: 0.119 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.03 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 91 Resp: 47785

Ion	Ratio	Lower	Upper
91	100		
92	58.6	49.8	74.8

Instrument :
MSVOA_L
ClientSampleId :
SS-8DL

Manual Integrations APPROVED
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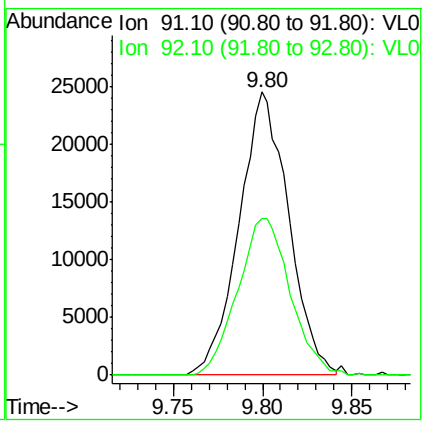
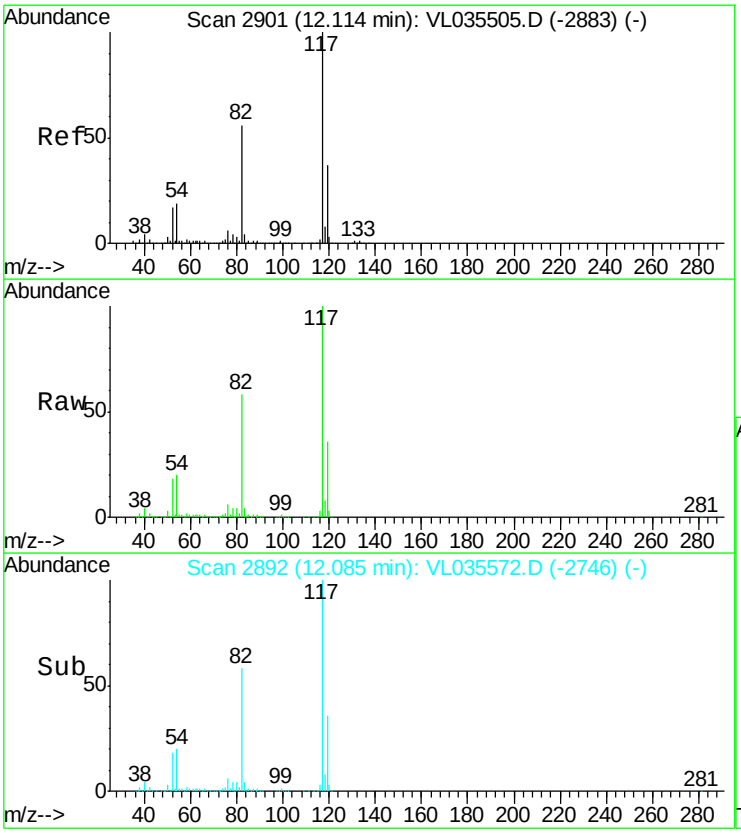
9/10/2020 10:45:40 AM

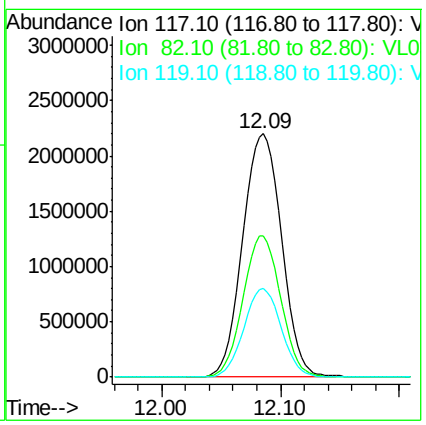


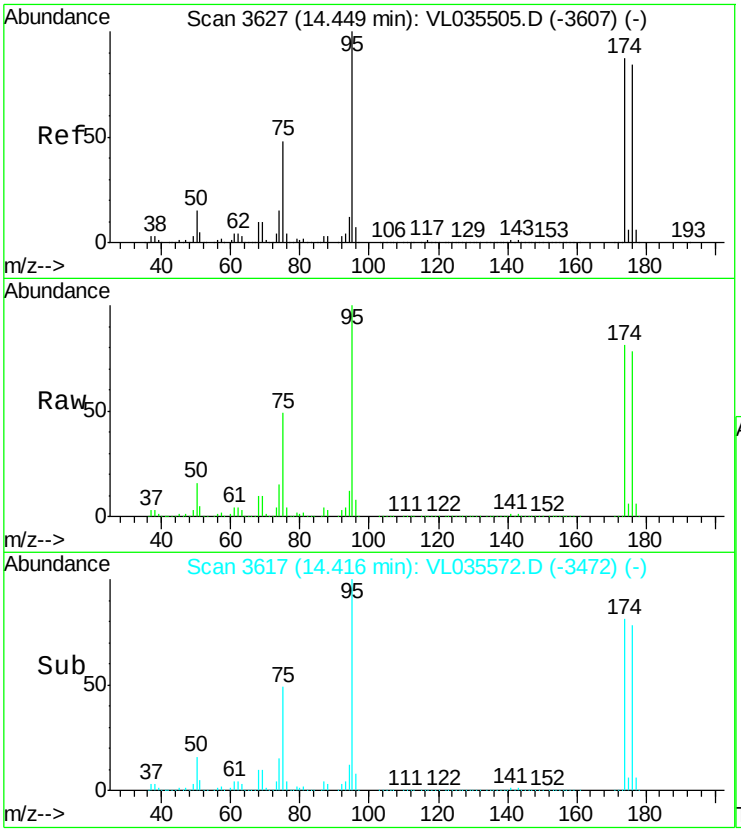


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion:117 Resp: 4996268

Ion	Ratio	Lower	Upper
117	100		
82	56.4	41.6	62.4
119	35.1	29.3	43.9

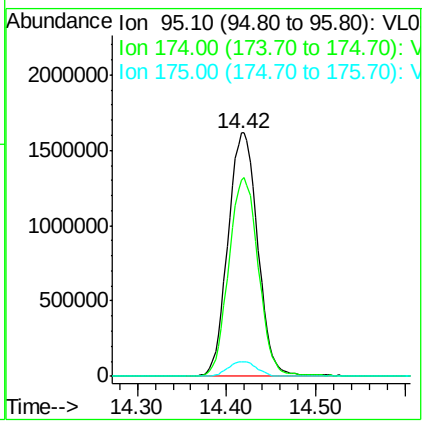




#68
1-Bromo-4-Fluorobenzene
Concen: 10.561 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.03 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion: 95 Resp: 3747105

Ion	Ratio	Lower	Upper
95	100		
174	81.8	69.6	104.4
175	5.9	5.1	7.7



Instrument :
MSVOA_L
ClientSampleId :
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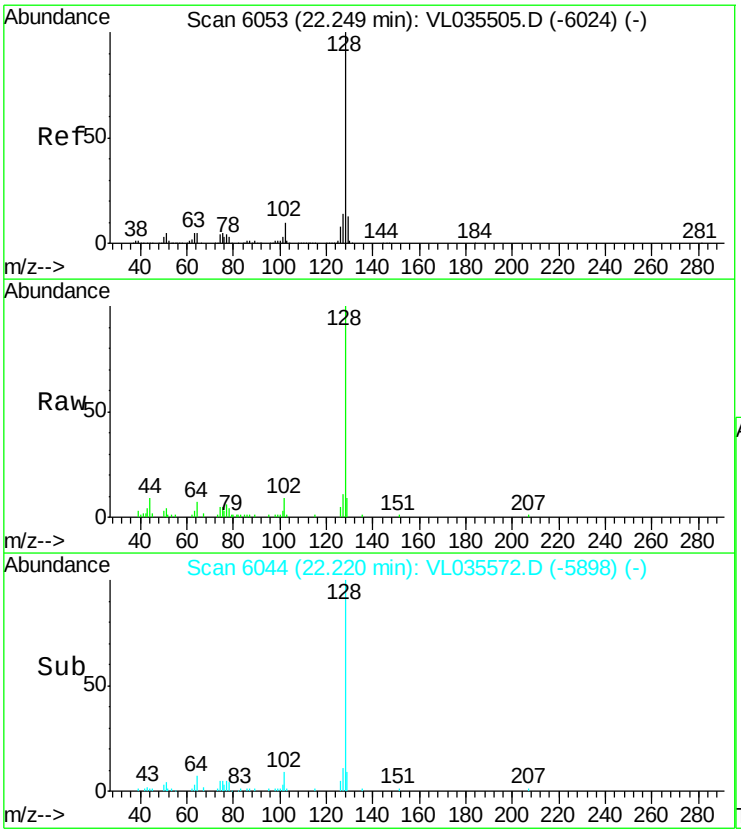
9/10/2020 10:45:40 AM



#79
Naphthalene
Concen: 0.123 ppbv
RT: 22.22 min Scan# 6044
Delta R.T. -0.03 min
Lab File: VL035572.D
Acq: 9 Sep 2020 1:47

Tgt Ion:128 Resp: 76594

Ion	Ratio	Lower	Upper
128	100		
127	10.7	11.4	17.2#
129	9.4	10.5	15.7#