Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050620\
Data File : VL034954.D
Acq On : 7 May 2020 4:05
Operator : SY/AP
Sample : L2507-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1DUP

Manual Integrations APPROVED
MMDadoda
5/7/2020 2:32:04 PM

Quant Time: May 07 08:05:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1001727	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2309618	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2103321	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1740767	10.22	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	39453	0.278	ppbv	97
3) Chlorodifluoromethane	2.95	51	36070m	0.315	ppbv	
4) Chloromethane	3.11	50	33059	0.504	ppbv	98
9) Propene	2.98	41	30700m	0.619	ppbv	
11) Trichlorofluoromethane	3.93	101	37508	0.256	ppbv	90
13) Ethanol	3.58	45	207360	12.662	ppbv	96
15) Acetone	3.83	43	610266	4.608	ppbv	97
19) Isopropyl Alcohol	3.95	45	166456	1.885	ppbv #	93
20) Methylene Chloride	4.32	84	65139m	1.486	ppbv	
26) Hexane	5.68	57	49788	0.516	ppbv #	44
29) Chloroform	5.75	83	18802m	0.119	ppbv	
34) 2-Butanone	5.25	43	51314	0.357	ppbv	99
35) Carbon Tetrachloride	7.02	117	9320m	0.064	ppbv	
36) Benzene	6.89	78	27385m	0.144	ppbv	
53) Toluene	9.83	91	51355m	0.254	ppbv	

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

Quantitation Report (QT Reviewed)

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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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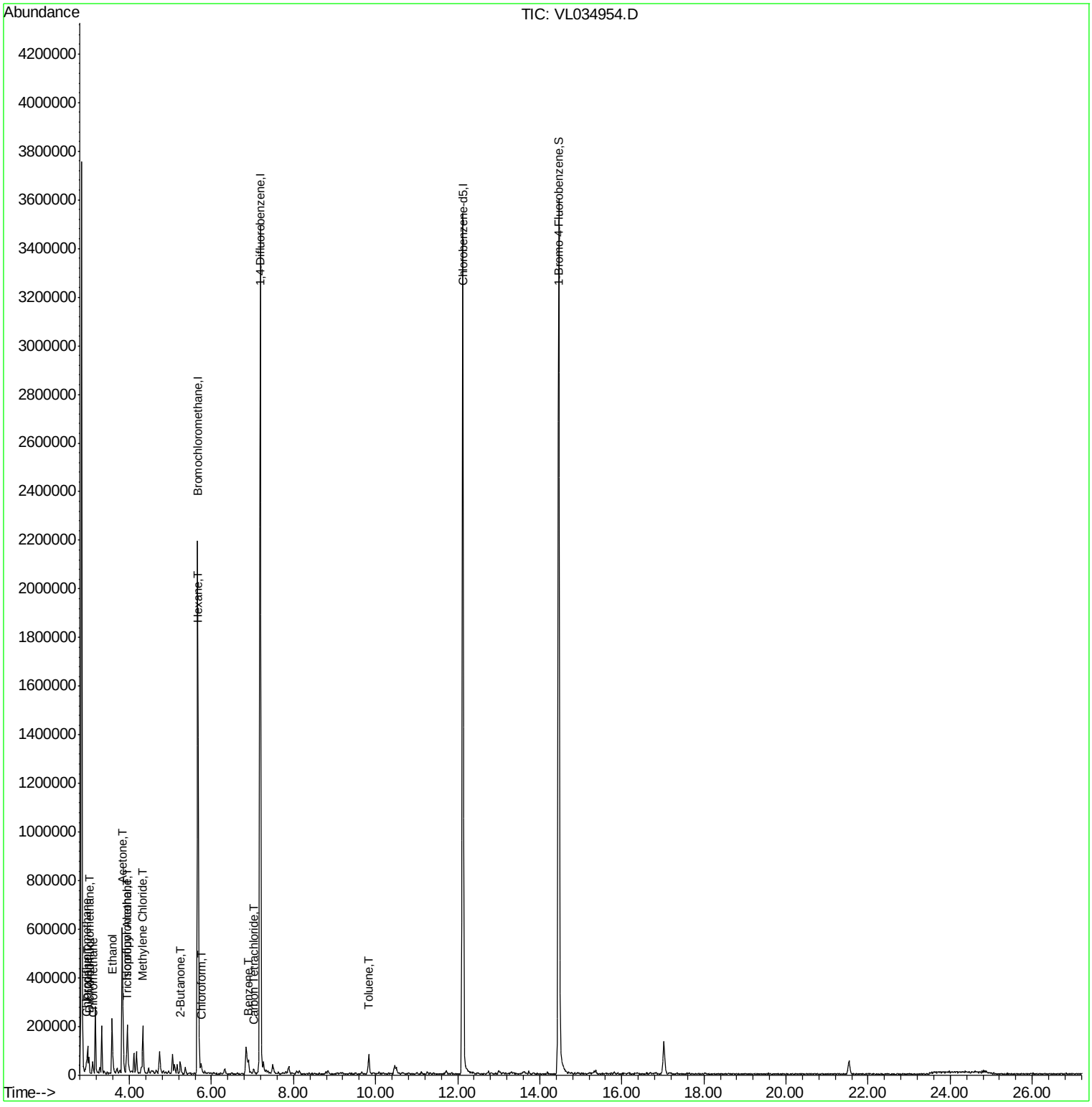
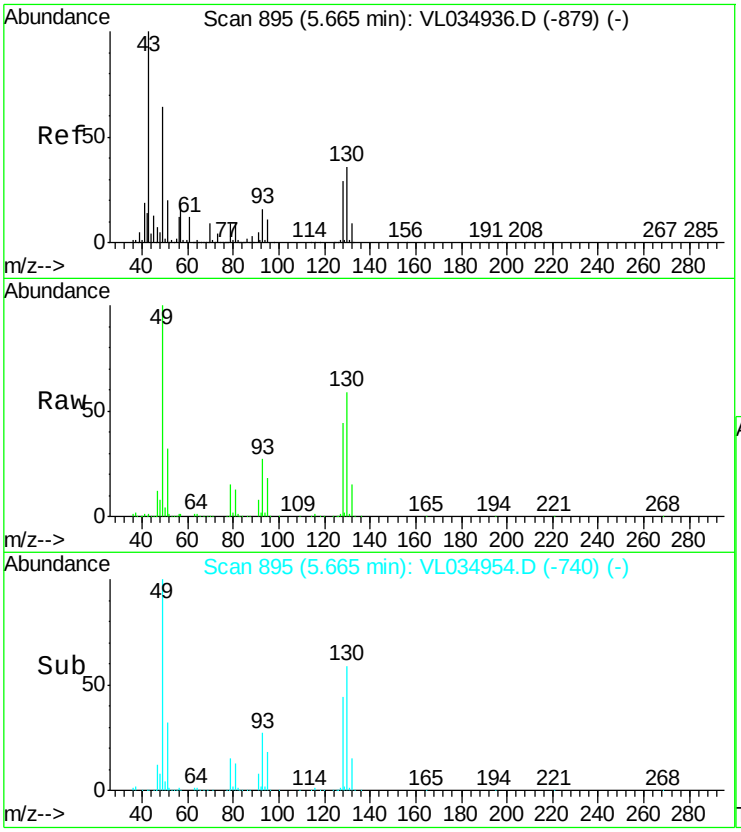
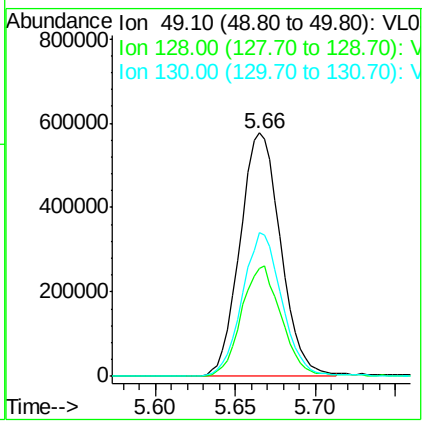




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 49 Resp: 1001727

Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.1	66.5
130	58.0	29.1	87.3



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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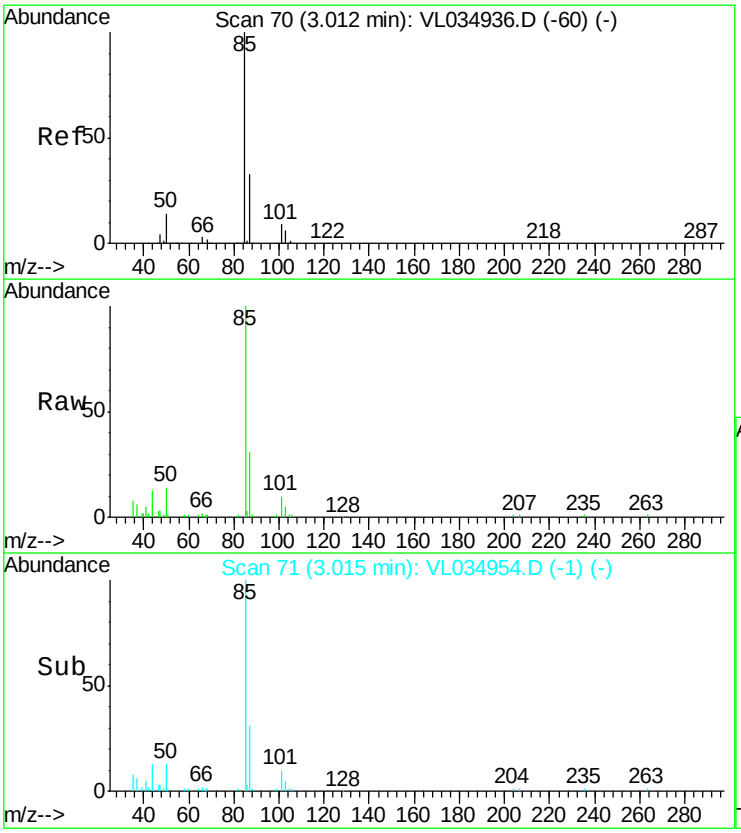
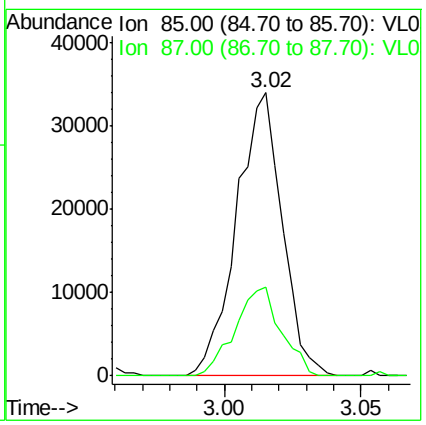
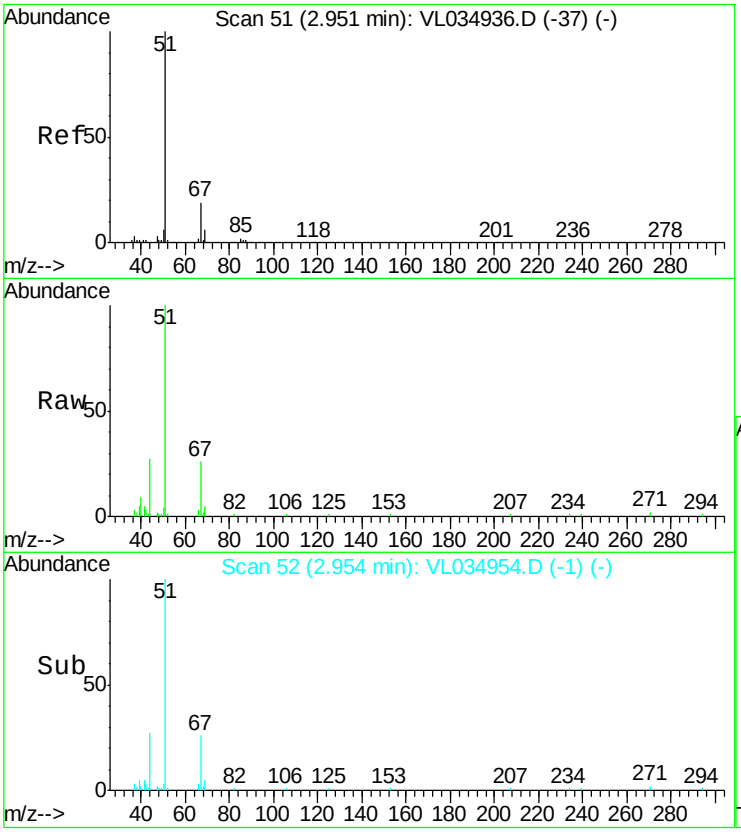


#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 85 Resp: 39453

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.2	39.2





#3
Chlorodifluoromethane
Concen: 0.315 ppbv m
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 51 Resp: 36070

Ion	Ratio	Lower	Upper
51	100		
67	22.4	15.0	22.6

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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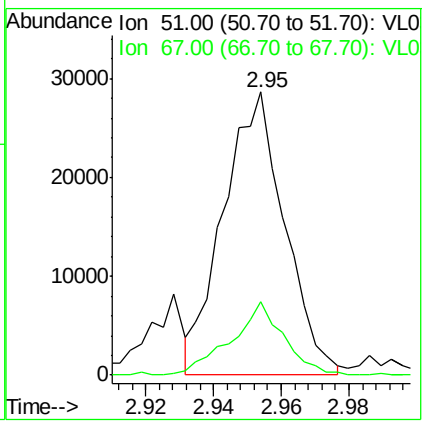
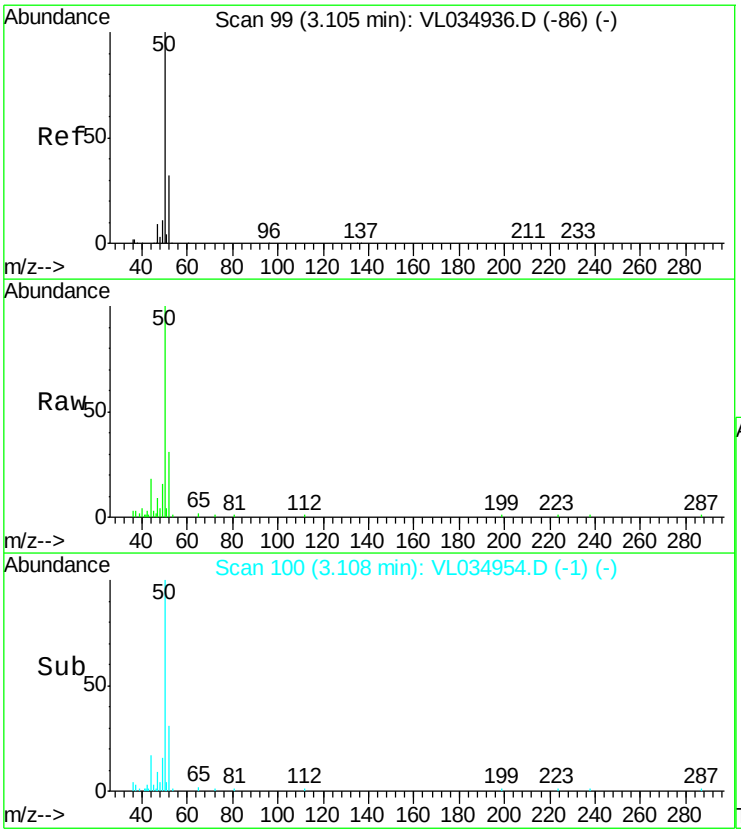
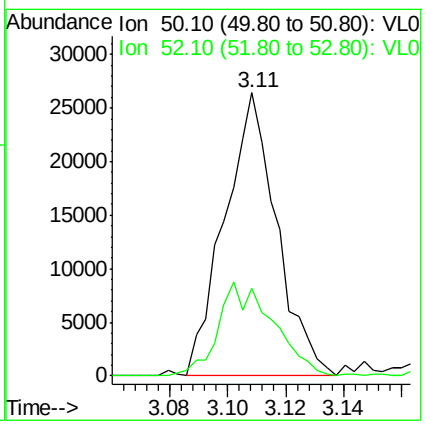


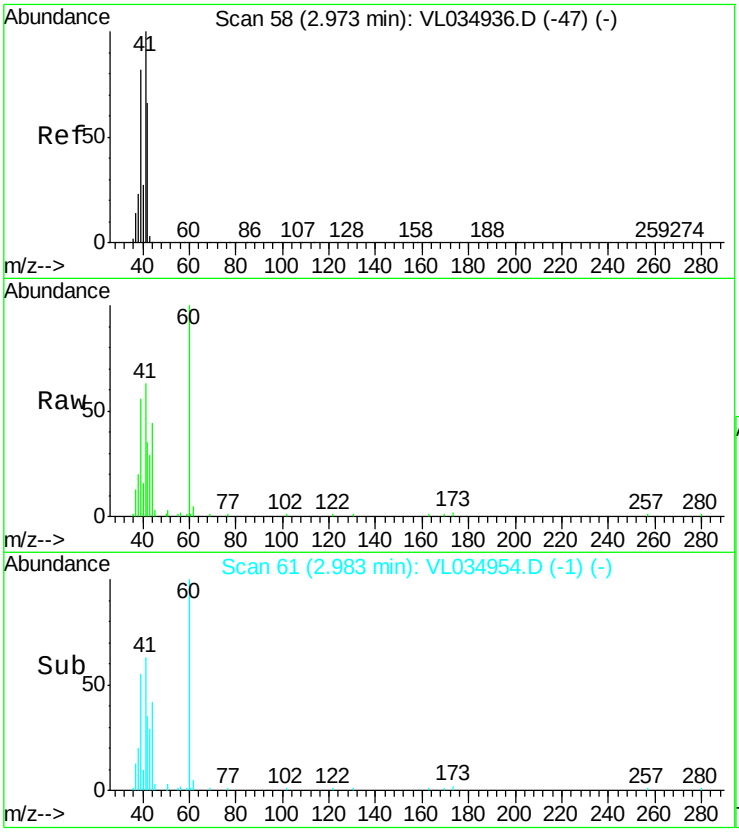


#4
Chloromethane
Concen: 0.504 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 50 Resp: 33059

Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.4	38.2

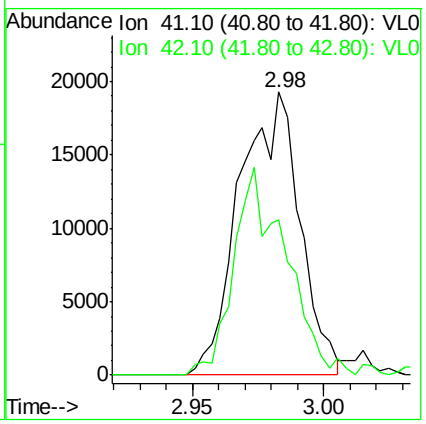




#9
Propene
Concen: 0.619 ppbv m
RT: 2.98 min Scan# 61
Delta R.T. 0.01 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 41 Resp: 30700

Ion	Ratio	Lower	Upper
41	100		
42	63.6	54.5	81.7



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

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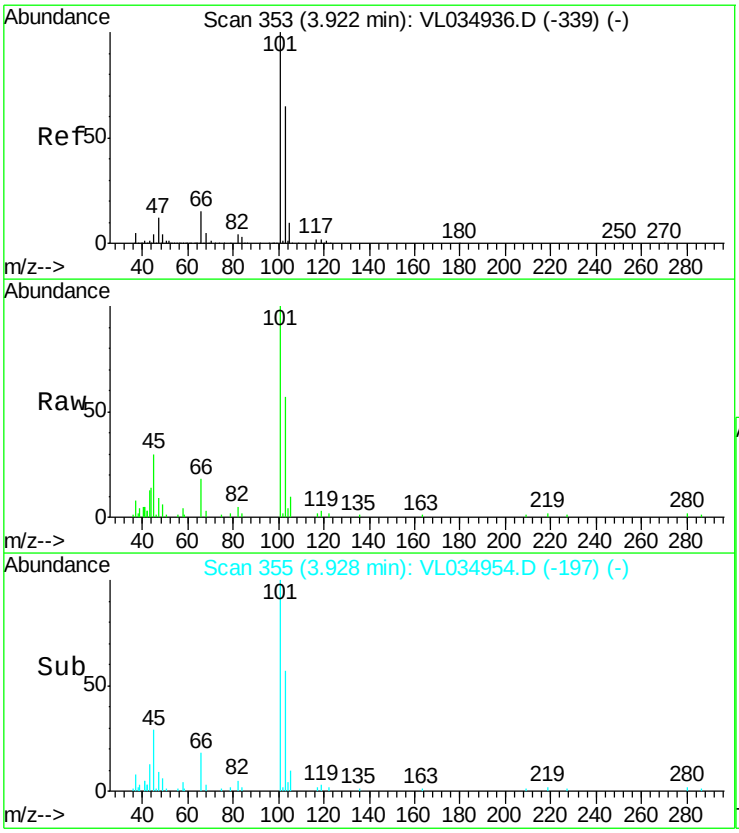
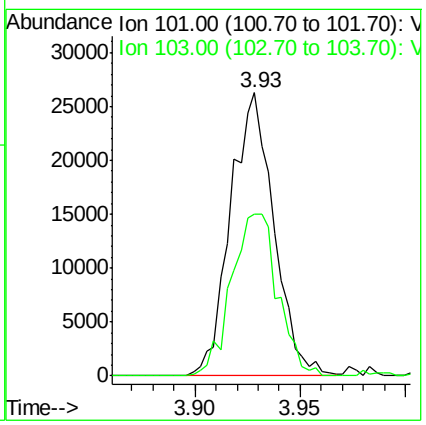
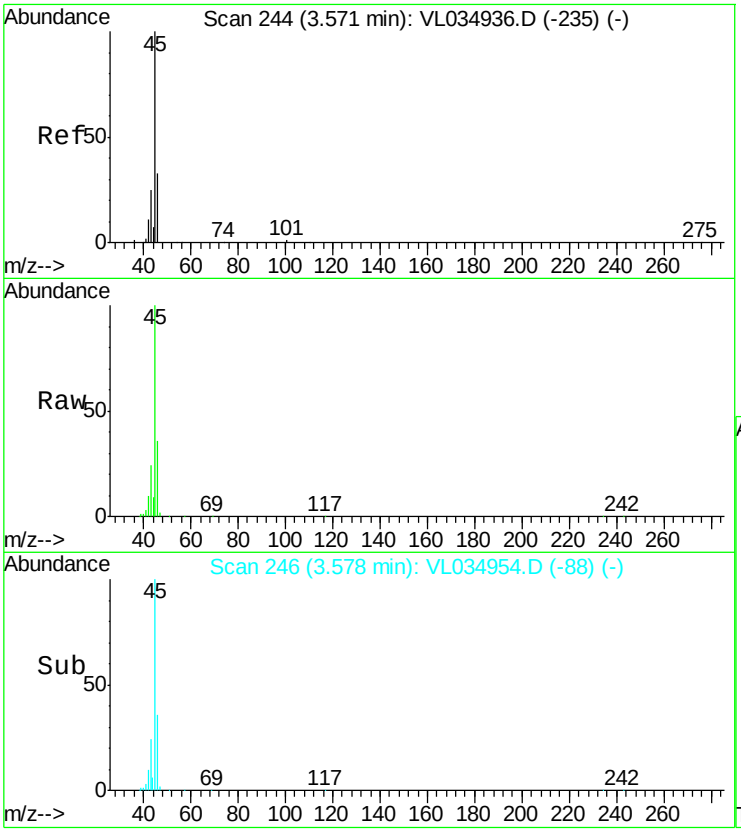


#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.01 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion:101 Resp: 37508

Ion	Ratio	Lower	Upper
101	100		
103	57.1	51.9	77.9

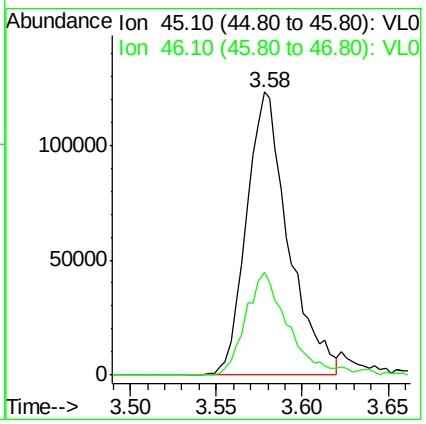




#13
Ethanol
Concen: 12.662 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 45 Resp: 207360

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.3	57.3



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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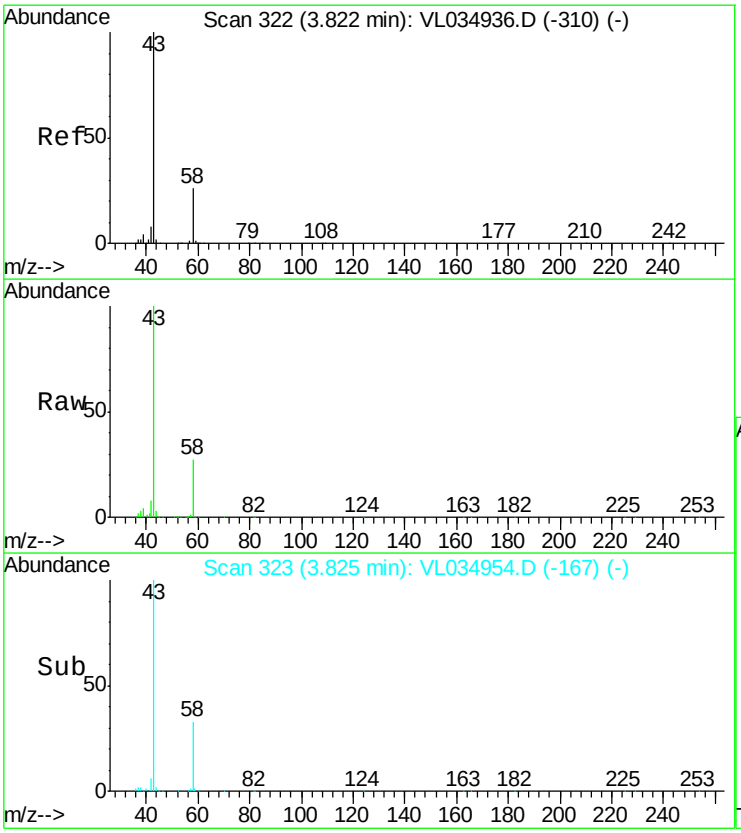
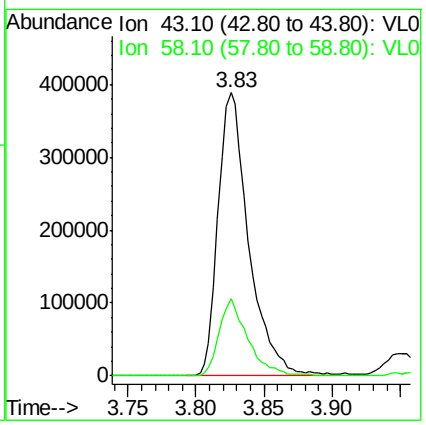
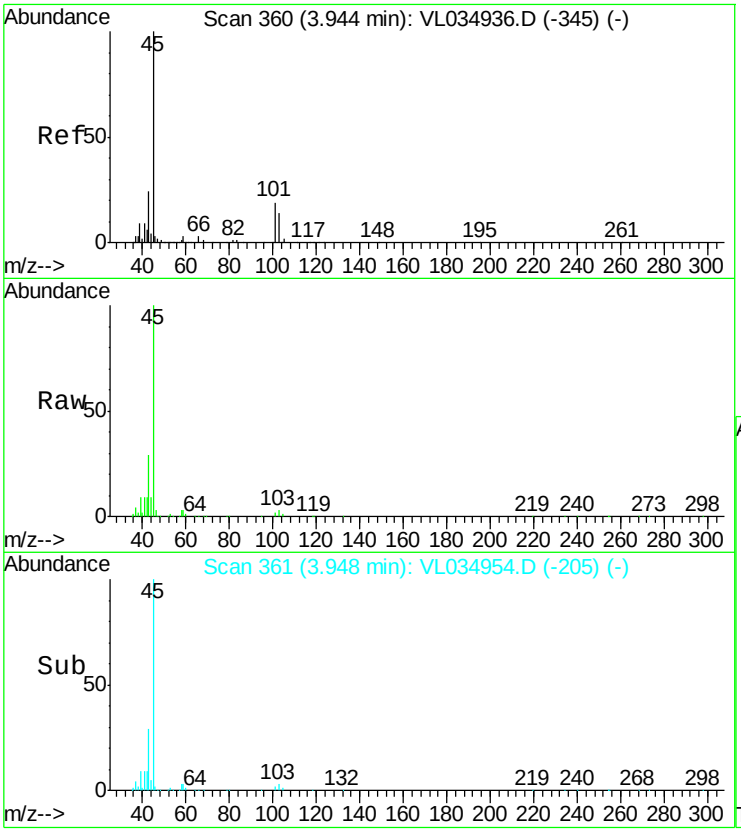


#15
Acetone
Concen: 4.608 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 43 Resp: 610266

Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.7	32.5

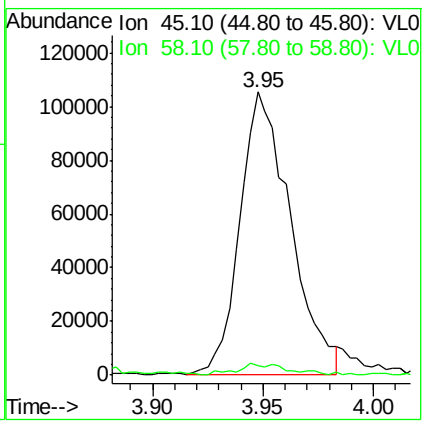




#19
Isopropyl Alcohol
Concen: 1.885 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 45 Resp: 166456

Ion	Ratio	Lower	Upper
45	100		
58	4.6	1.7	2.5#



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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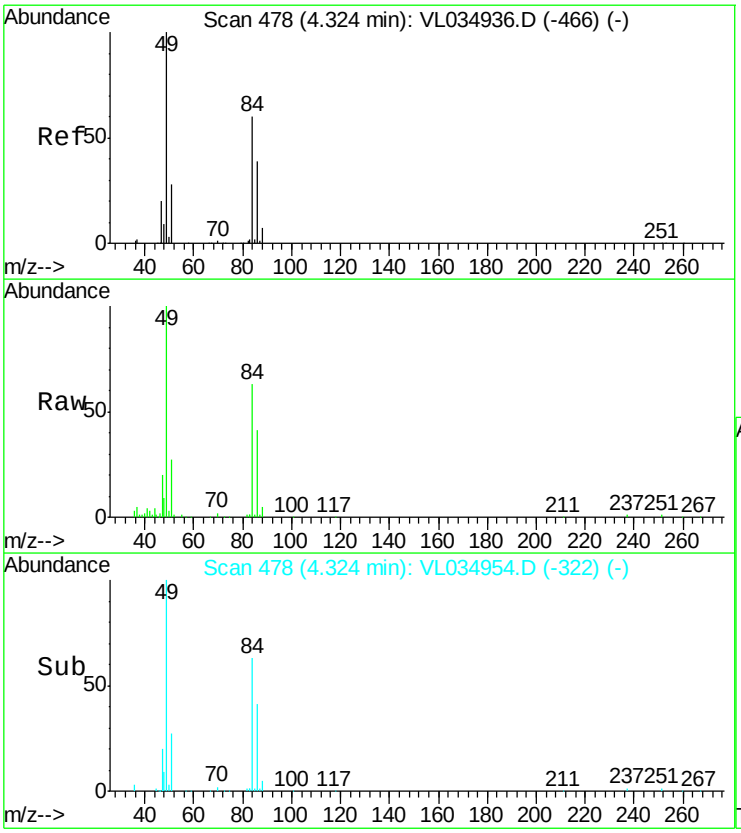
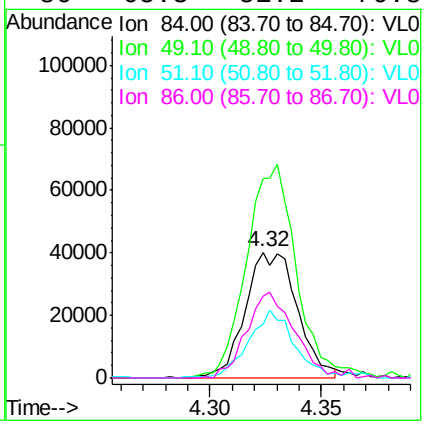
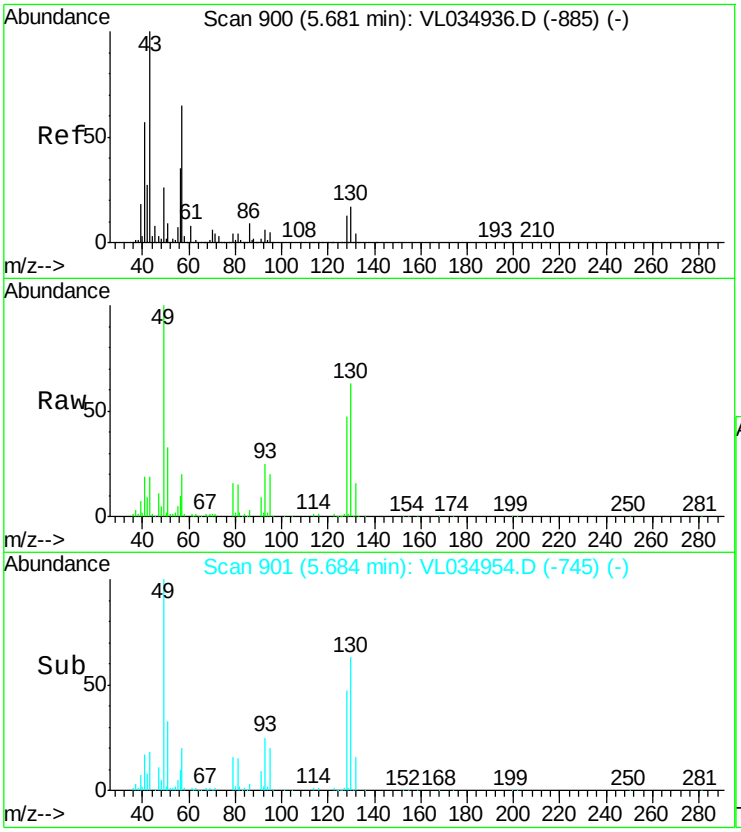


#20
Methylene Chloride
Concen: 1.486 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 84 Resp: 65139

Ion	Ratio	Lower	Upper
84	100		
49	158.8	132.5	198.7
51	42.5	38.4	57.6
86	65.3	51.2	76.8

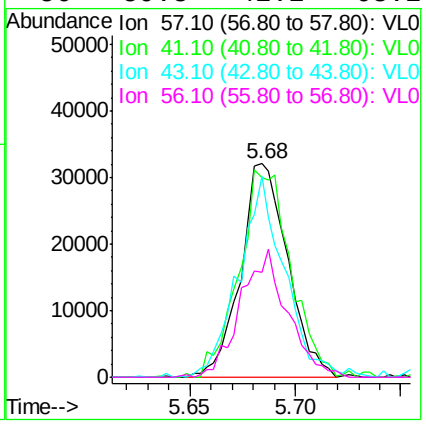




#26
Hexane
Concen: 0.516 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 57 Resp: 49788

Ion	Ratio	Lower	Upper
57	100		
41	106.6	72.7	109.1
43	92.3	182.1	273.1#
56	59.8	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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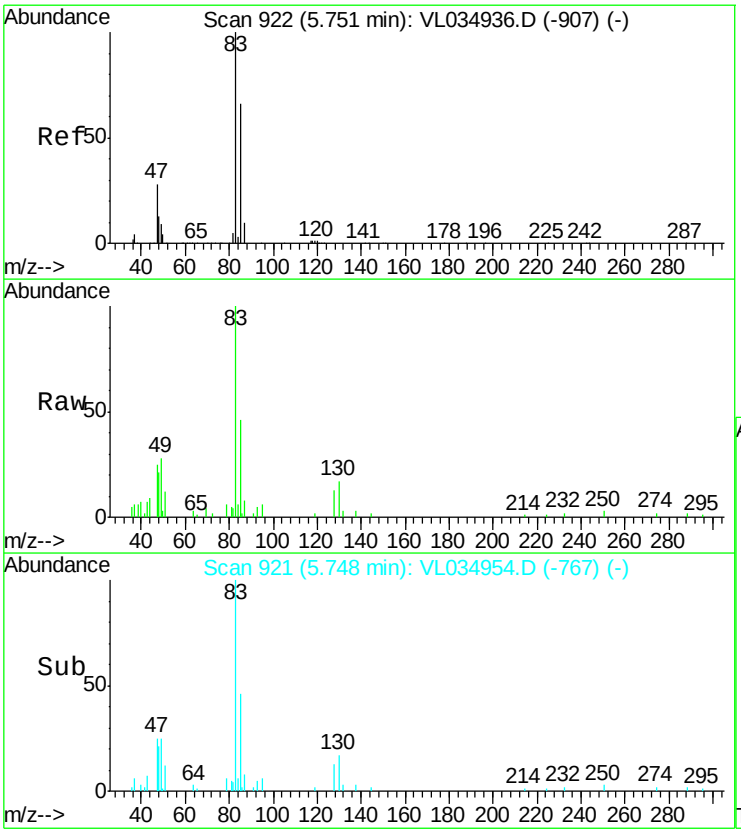
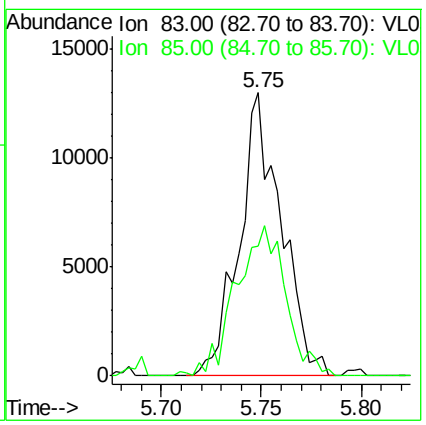
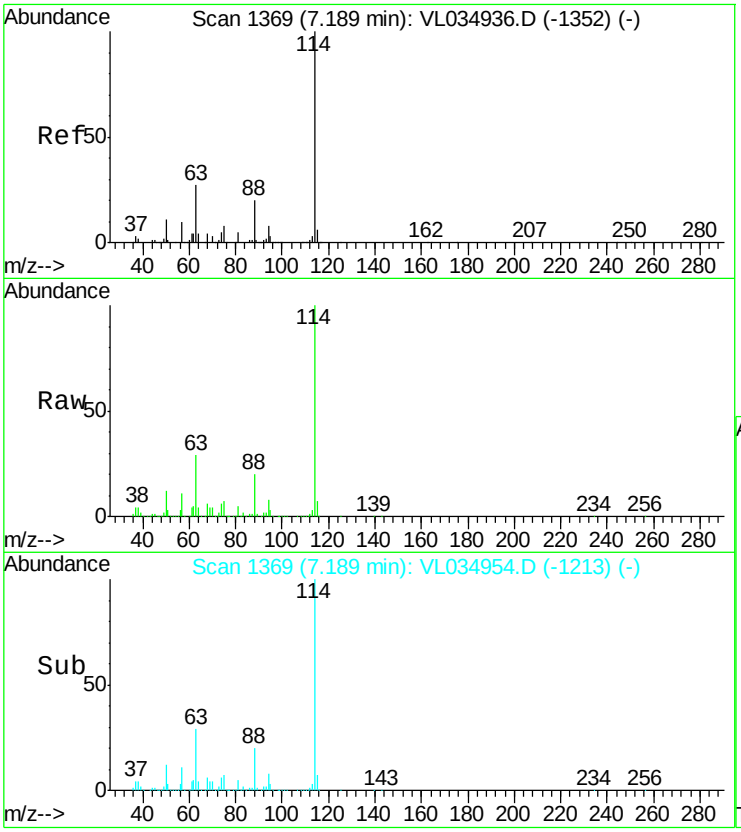


#29
Chloroform
Concen: 0.119 ppbv m
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 83 Resp: 18802

Ion	Ratio	Lower	Upper
83	100		
85	45.7	53.0	79.6#

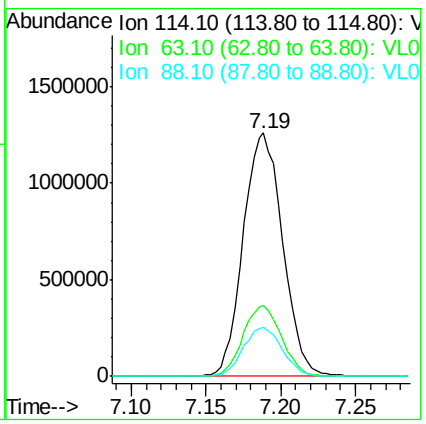




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion:114 Resp: 2309618

Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.2	33.4
88	19.8	15.5	23.3



Instrument :
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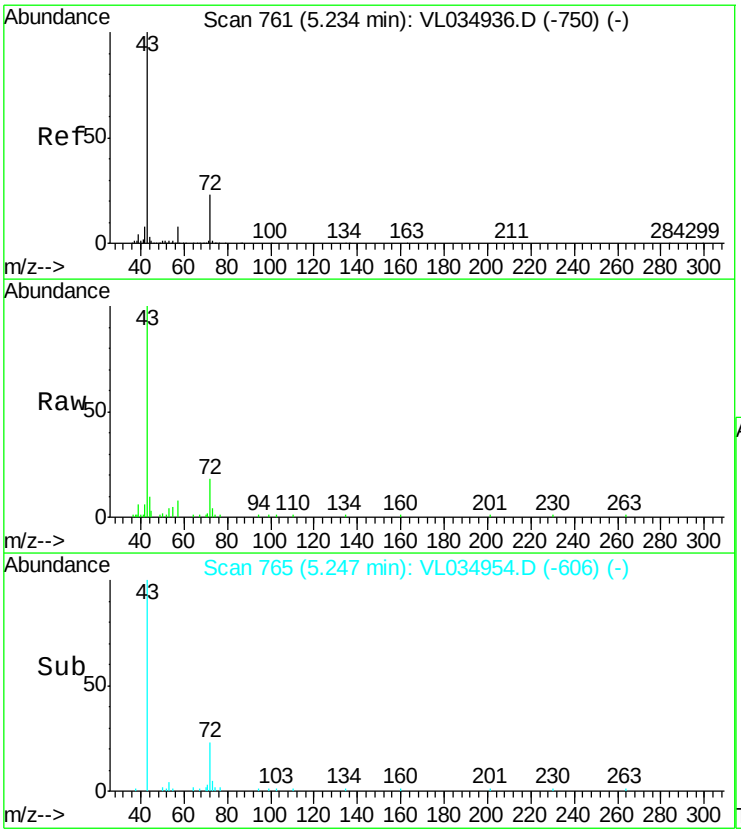
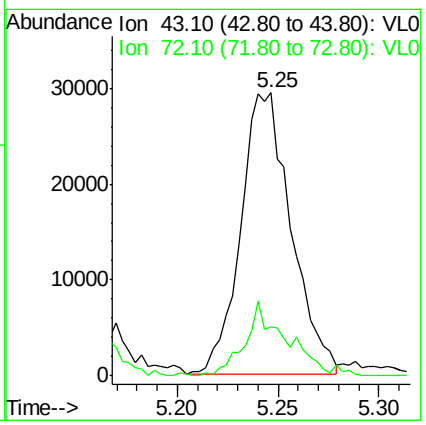
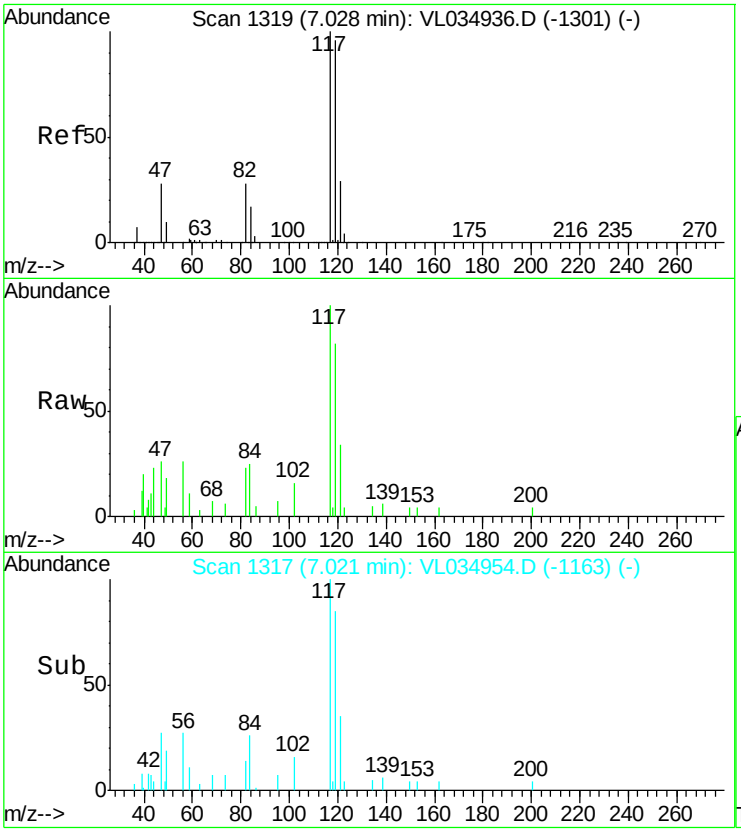


#34
2-Butanone
Concen: 0.357 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.01 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 43 Resp: 51314

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.0	27.0

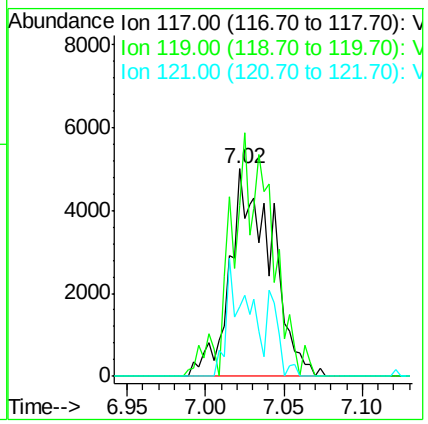




#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion:117 Resp: 9320

Ion	Ratio	Lower	Upper
117	100		
119	82.0	77.0	115.6
121	33.7	23.0	34.6



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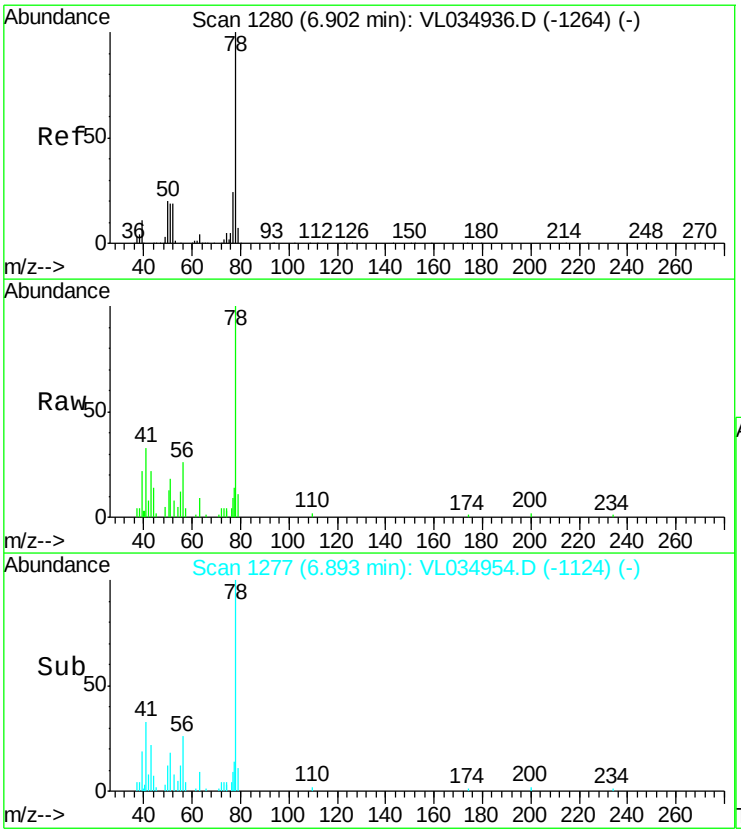
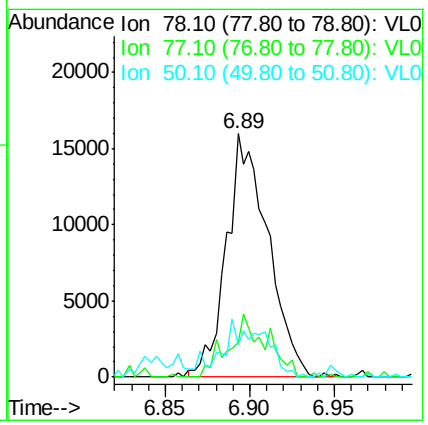
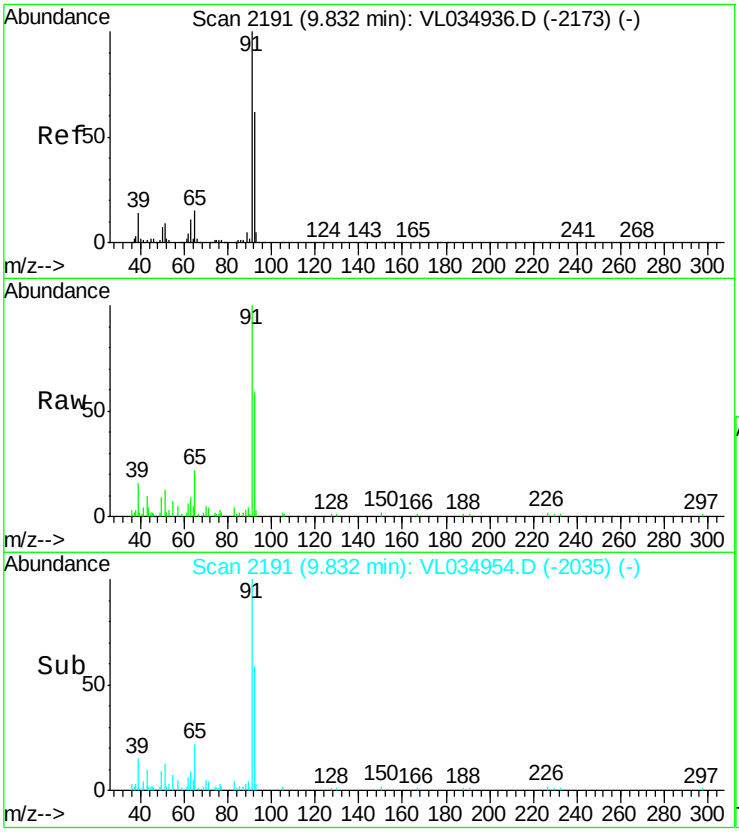


#36
Benzene
Concen: 0.144 ppbv m
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 78 Resp: 27385

Ion	Ratio	Lower	Upper
78	100		
77	14.1	19.0	28.6#
50	13.3	15.8	23.8#

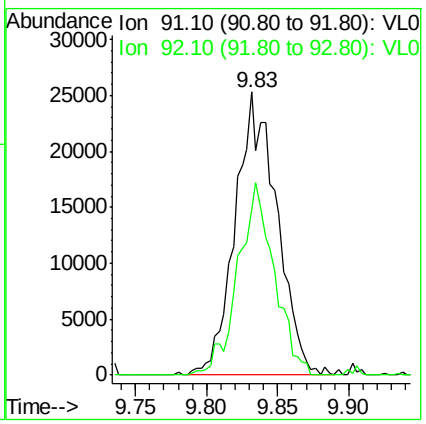




#53
Toluene
Concen: 0.254 ppbv m
RT: 9.83 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 91 Resp: 51355

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.6	73.0



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
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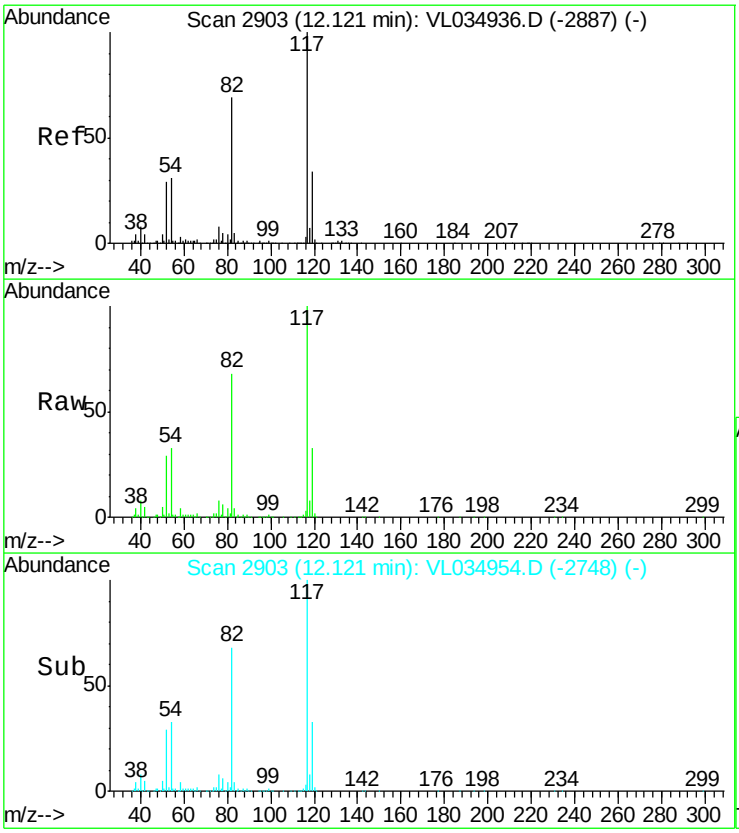
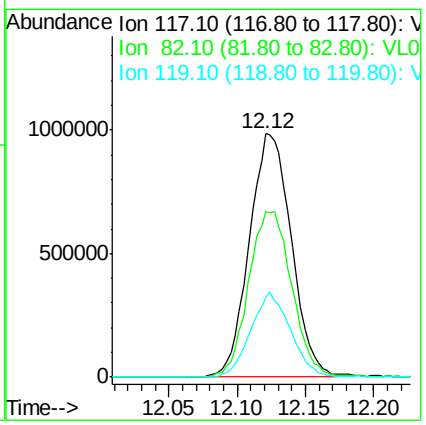
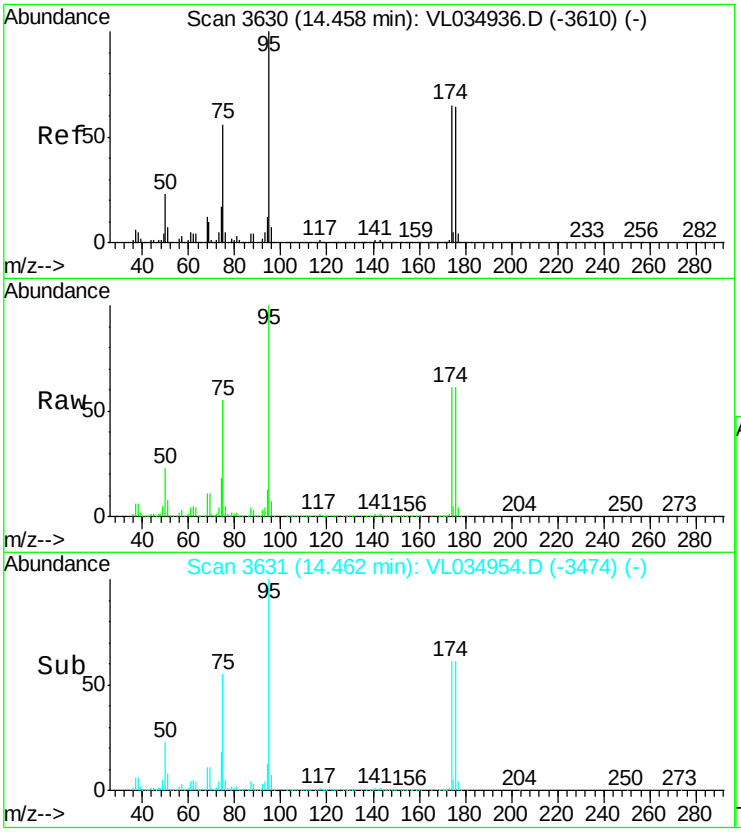


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion:117 Resp: 2103321

Ion	Ratio	Lower	Upper
117	100		
82	70.5	53.1	79.7
119	33.1	26.7	40.1

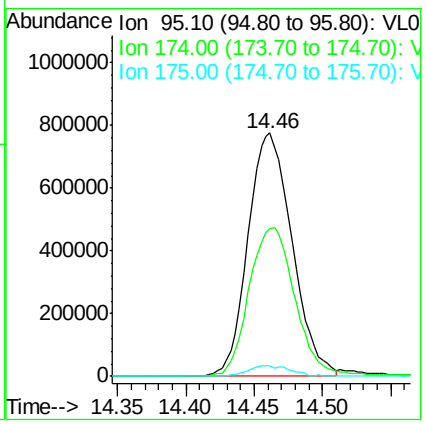




#68
1-Bromo-4-Fluorobenzene
Concen: 10.225 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.00 min
Lab File: VL034954.D
Acq: 7 May 2020 4:05

Tgt Ion: 95 Resp: 1740767

Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.5	77.3
175	4.4	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Manual Integrations APPROVED
MMDadoda
5/7/2020 2:32:04 PM