Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051920\
Data File : VL035056.D
Acq On : 19 May 2020 22:56
Operator : SY/AP
Sample : L2683-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DC-SS

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Quant Time: May 20 09:40:20 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	5.64	49	1122833	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	2593479	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.10	117	2470421	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2103953	10.52	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	45732	0.287	ppbv		96
3) Chlorodifluoromethane	2.94	51	34461m	0.269	ppbv		
4) Chloromethane	3.09	50	11462m	0.156	ppbv		
9) Propene	2.97	41	17103	0.307	ppbv		90
11) Trichlorofluoromethane	3.91	101	41098	0.250	ppbv	#	83
13) Ethanol	3.56	45	709660	38.660	ppbv		98
15) Acetone	3.81	43	351852	2.370	ppbv		99
19) Isopropyl Alcohol	3.93	45	57762m	0.583	ppbv		
20) Methylene Chloride	4.31	84	179863	3.660	ppbv		96
26) Hexane	5.66	57	106168	0.982	ppbv	#	41
34) 2-Butanone	5.23	43	30369m	0.188	ppbv		
35) Carbon Tetrachloride	7.00	117	10651m	0.065	ppbv		
38) Trichloroethene	7.83	130	46129	0.557	ppbv		95
52) Tetrachloroethene	11.25	164	8803544	115.789	ppbv		92
53) Toluene	9.81	91	154355	0.681	ppbv		91
59) m/p-Xylene	12.98	91	30822m	0.115	ppbv		

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

Quantitation Report (QT Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
DC-SS

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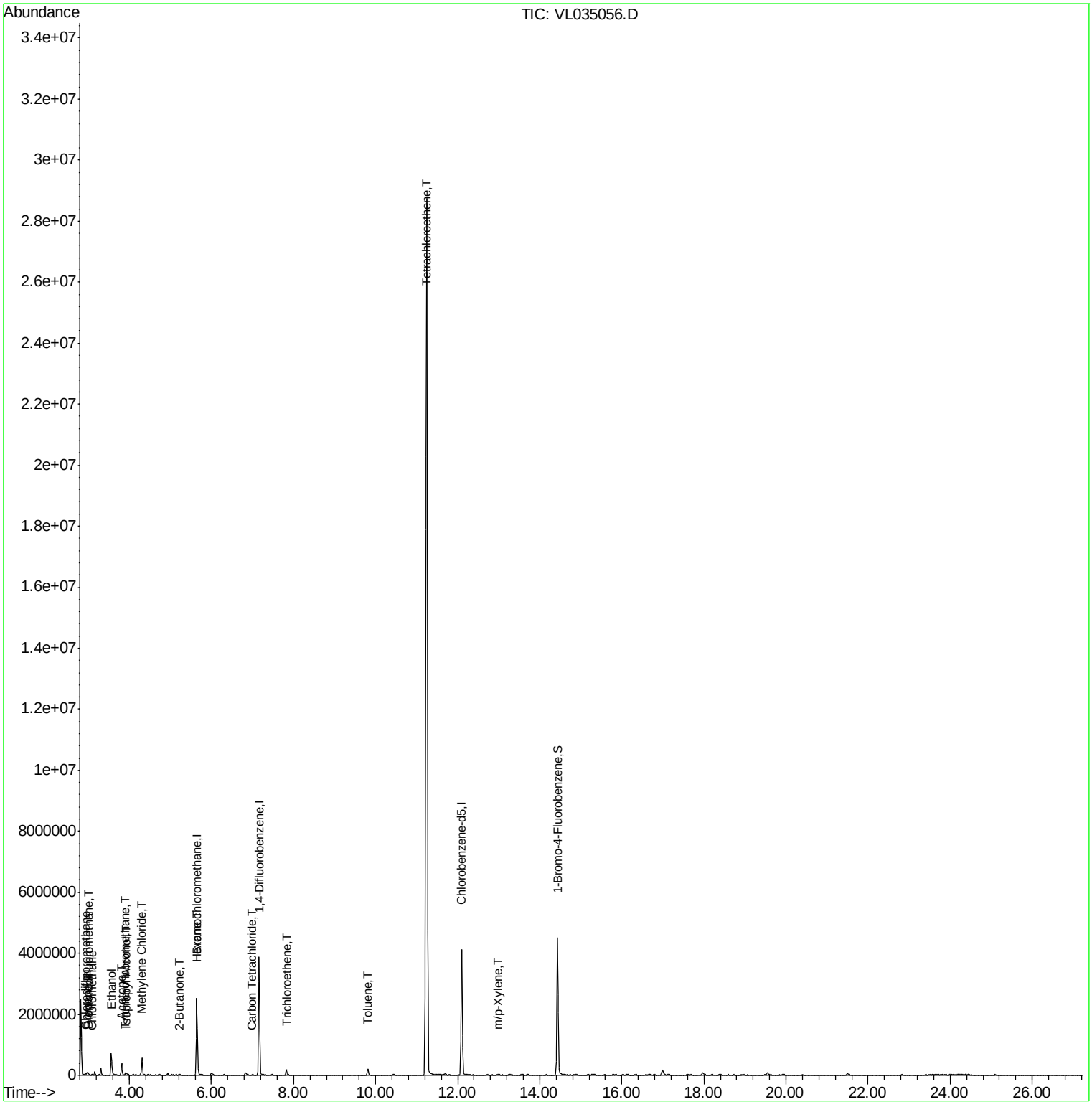
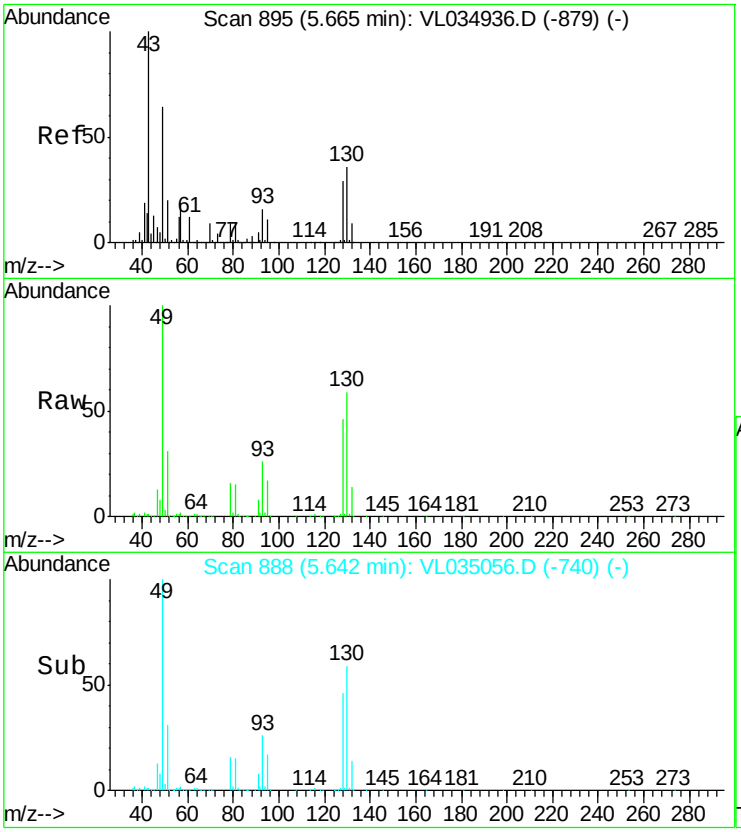
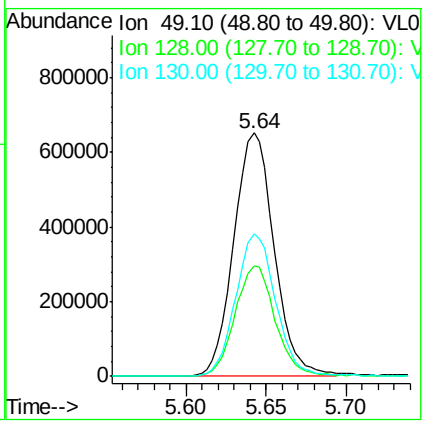




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 49 Resp: 1122833

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.1	66.5
130	58.9	29.1	87.3



Instrument :
MSVOA_L
ClientSampleId :
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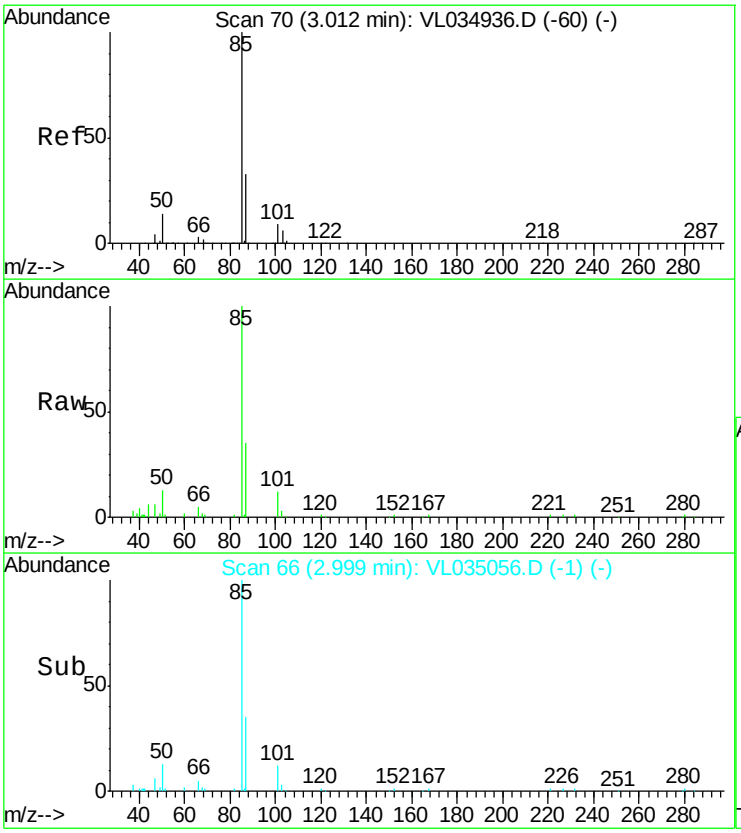
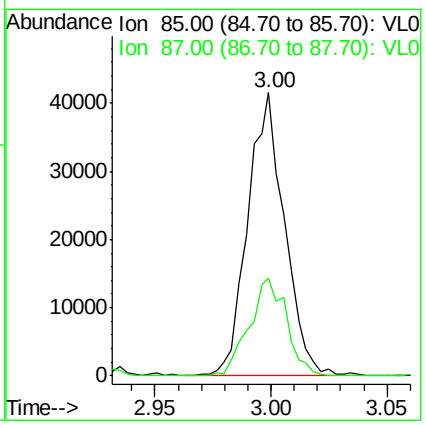
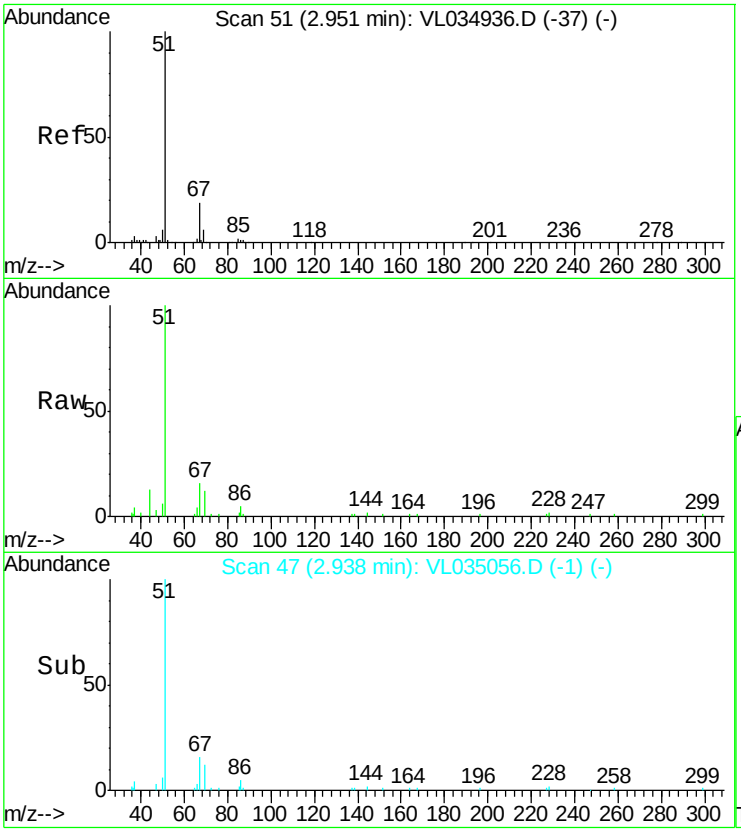


#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 85 Resp: 45732

Ion	Ratio	Lower	Upper
85	100		
87	34.7	26.2	39.2





#3
Chlorodifluoromethane
Concen: 0.269 ppbv m
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 51 Resp: 34461

Ion	Ratio	Lower	Upper
51	100		
67	1.5	15.0	22.6#

Instrument :
MSVOA_L
ClientSampleId :
DC-SS

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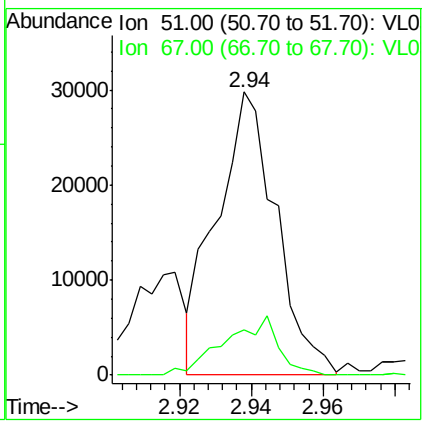
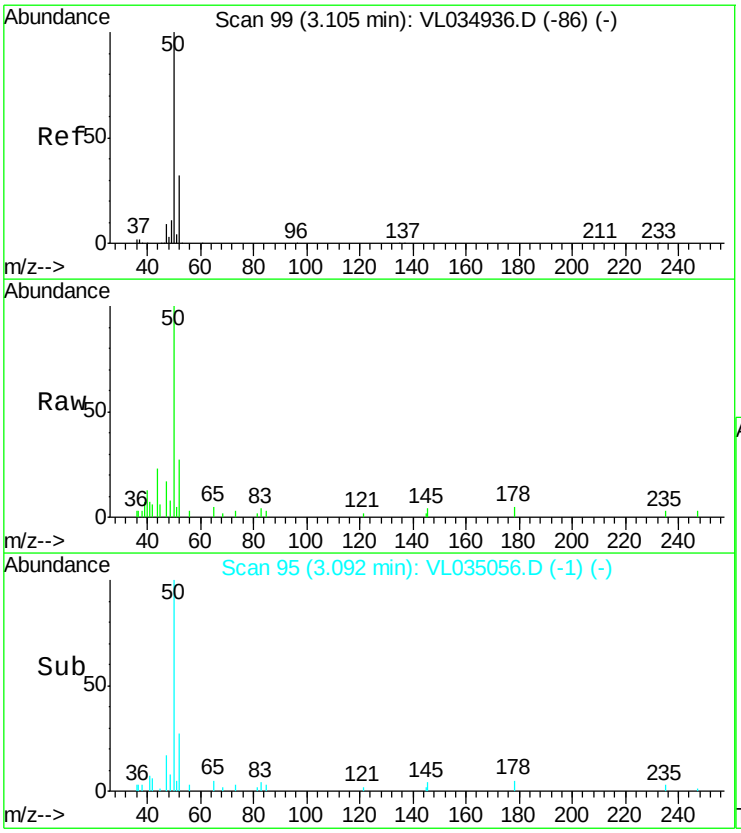
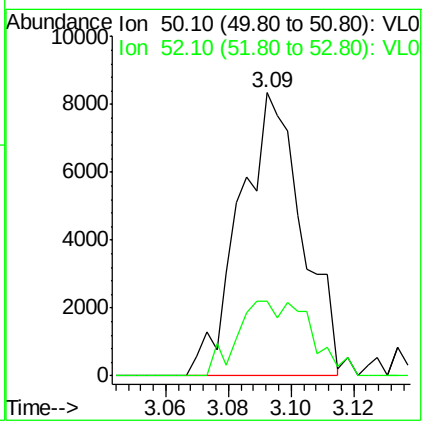


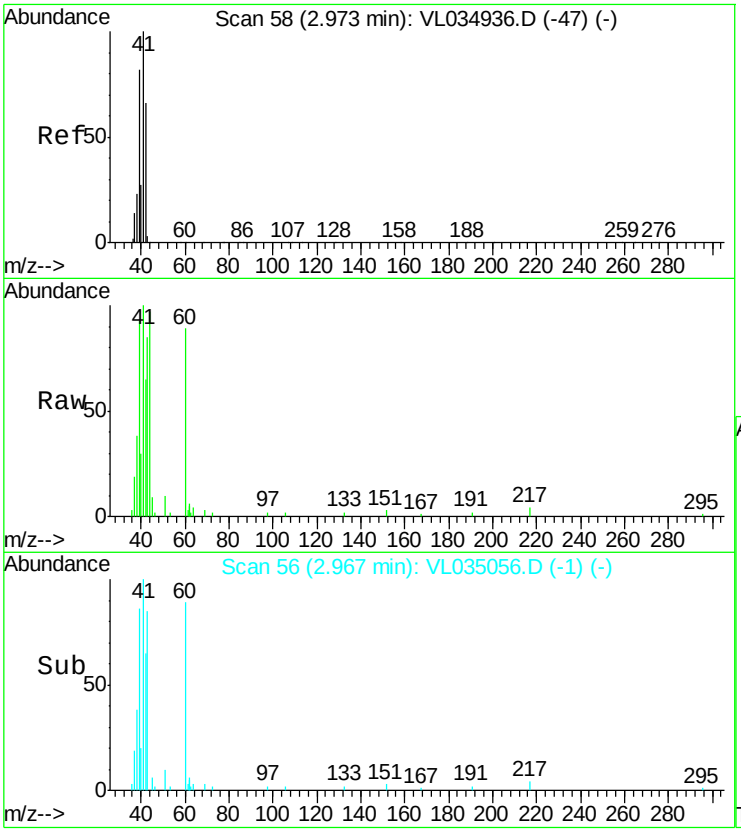


#4
Chloromethane
Concen: 0.156 ppbv m
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 50 Resp: 11462

Ion	Ratio	Lower	Upper
50	100		
52	26.6	25.4	38.2

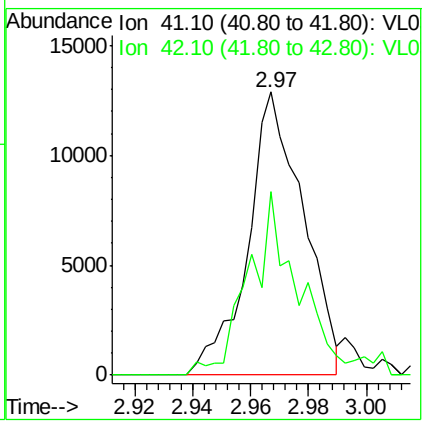




#9
Propene
Concen: 0.307 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 41 Resp: 17103

Ion	Ratio	Lower	Upper
41	100		
42	60.2	54.5	81.7



Instrument :
MSVOA_L
ClientSampleId :
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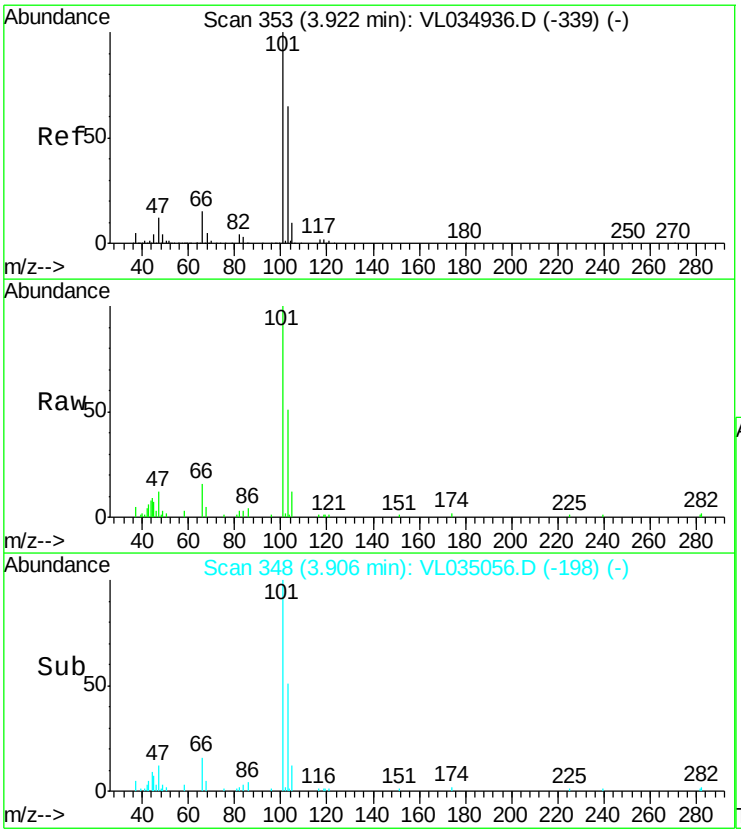
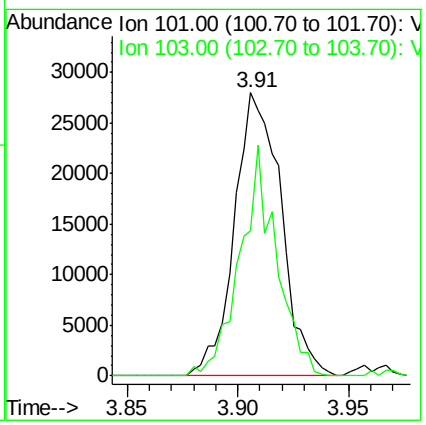
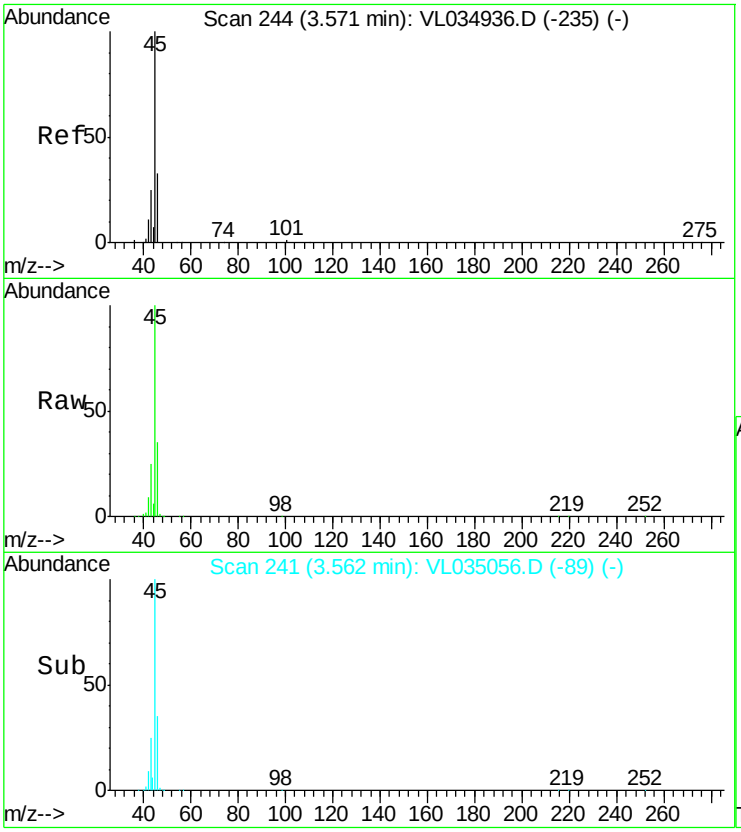


#11
Trichlorofluoromethane
Concen: 0.250 ppbv
RT: 3.91 min Scan# 348
Delta R.T. -0.02 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion:101 Resp: 41098

Ion	Ratio	Lower	Upper
101	100		
103	51.3	51.9	77.9#

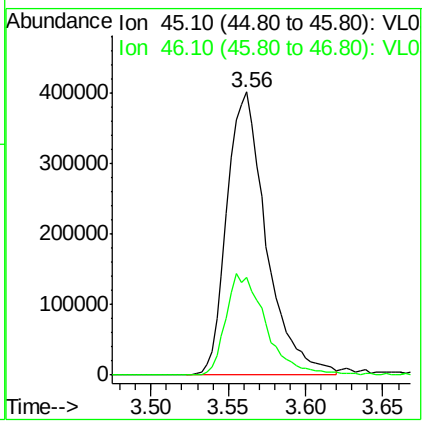




#13
Ethanol
Concen: 38.660 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 45 Resp: 709660

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.3	57.3



Instrument :
MSVOA_L
ClientSampleId :
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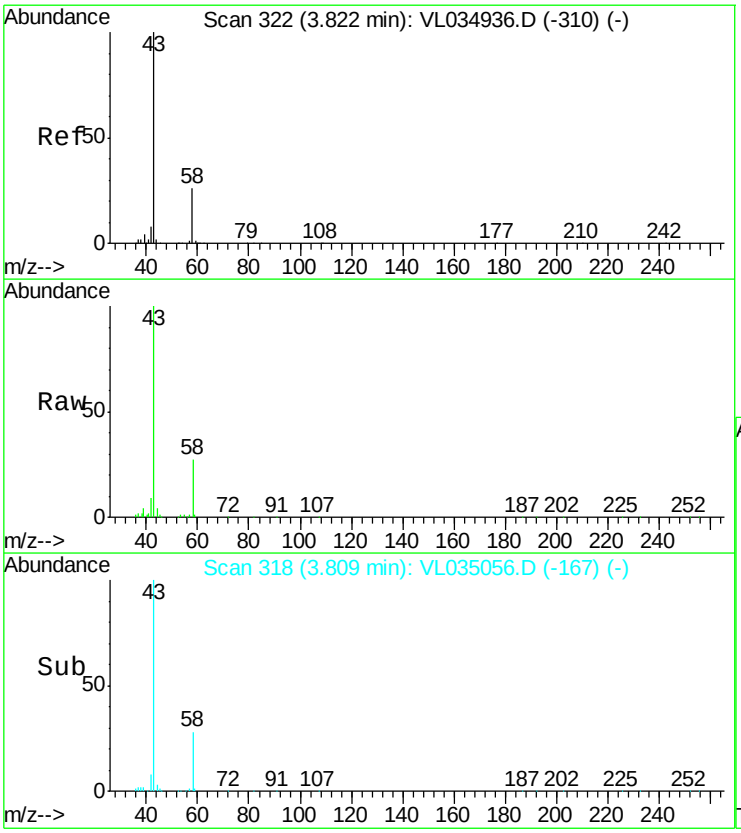
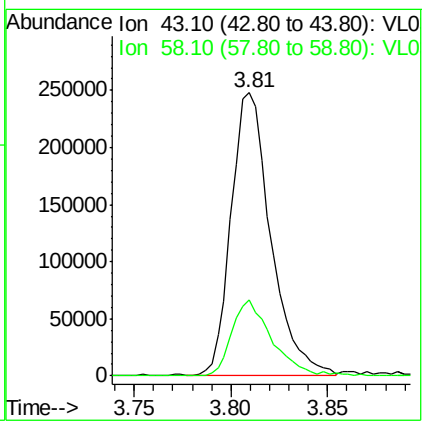
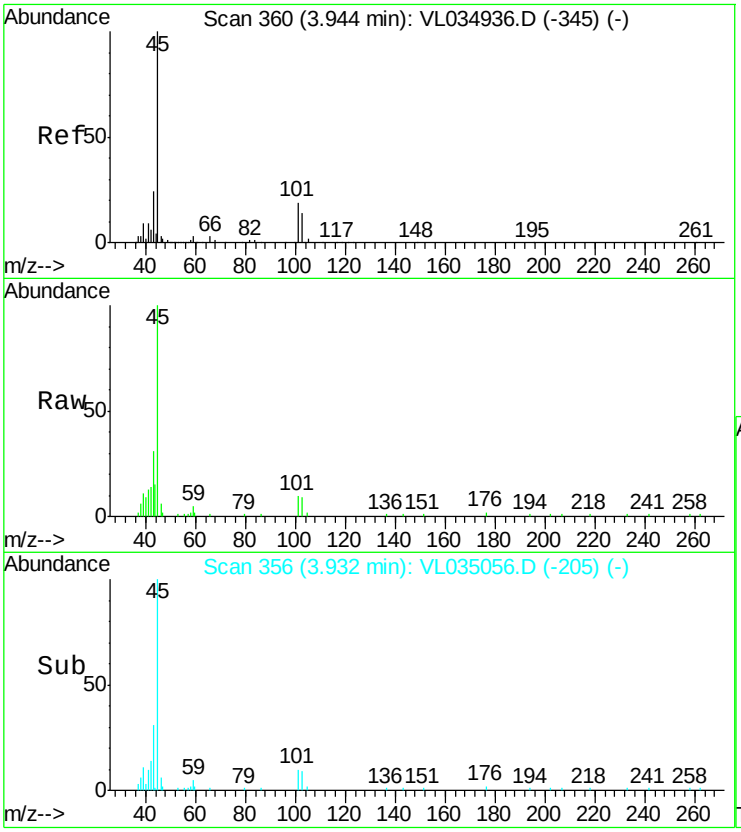


#15
Acetone
Concen: 2.370 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 43 Resp: 351852

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.7	32.5





#19
Isopropyl Alcohol
Concen: 0.583 ppbv m
RT: 3.93 min Scan# 356
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 45 Resp: 57762

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#

Instrument :
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ClientSampleId :
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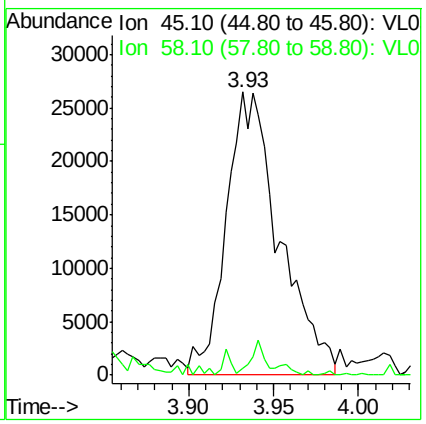
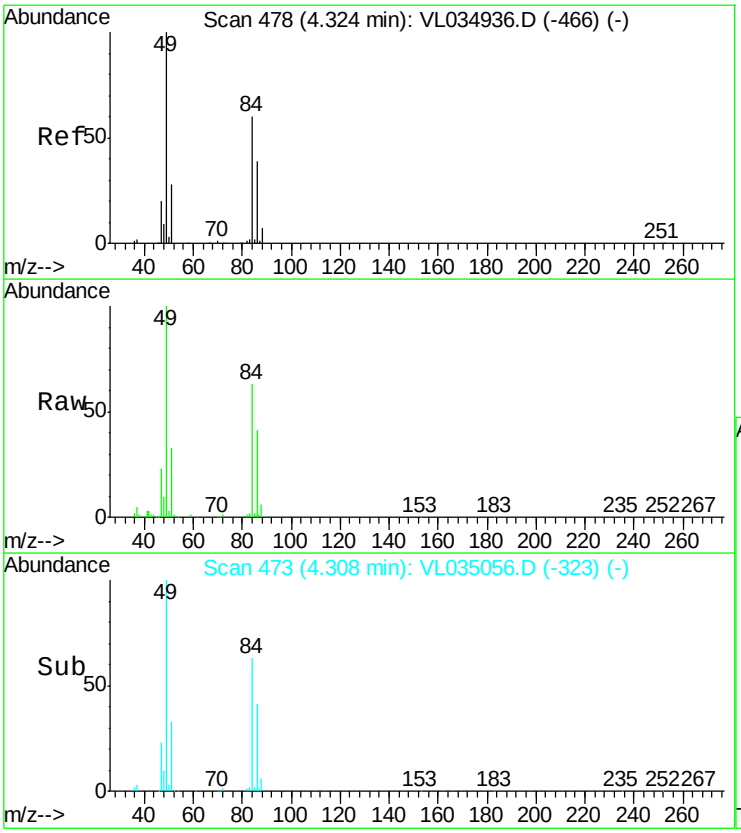
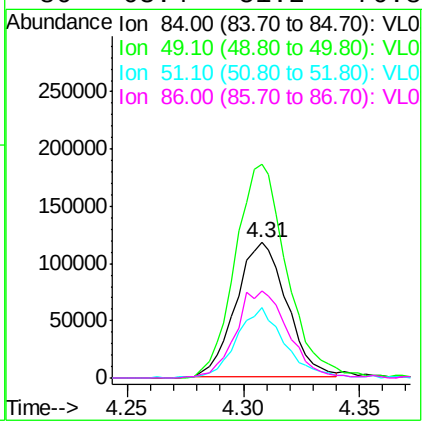


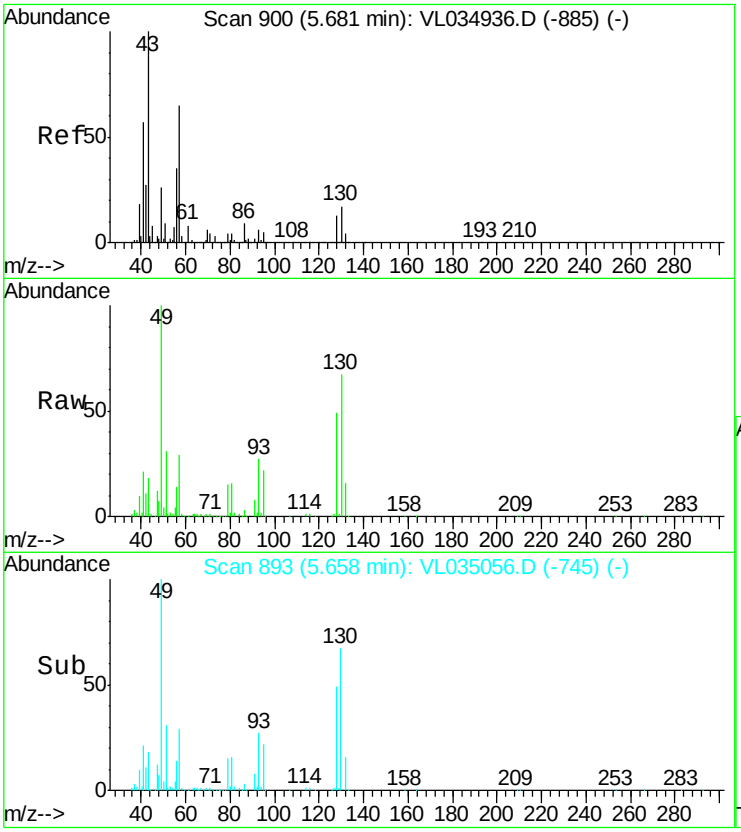


#20
Methylene Chloride
Concen: 3.660 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 84 Resp: 179863

Ion	Ratio	Lower	Upper
84	100		
49	158.9	132.5	198.7
51	51.3	38.4	57.6
86	63.4	51.2	76.8

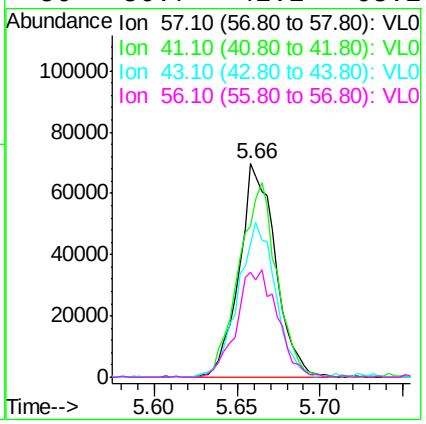




#26
Hexane
Concen: 0.982 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 57 Resp: 106168

Ion	Ratio	Lower	Upper
57	100		
41	95.1	72.7	109.1
43	75.6	182.1	273.1#
56	56.7	42.2	63.2



Instrument :
MSVOA_L
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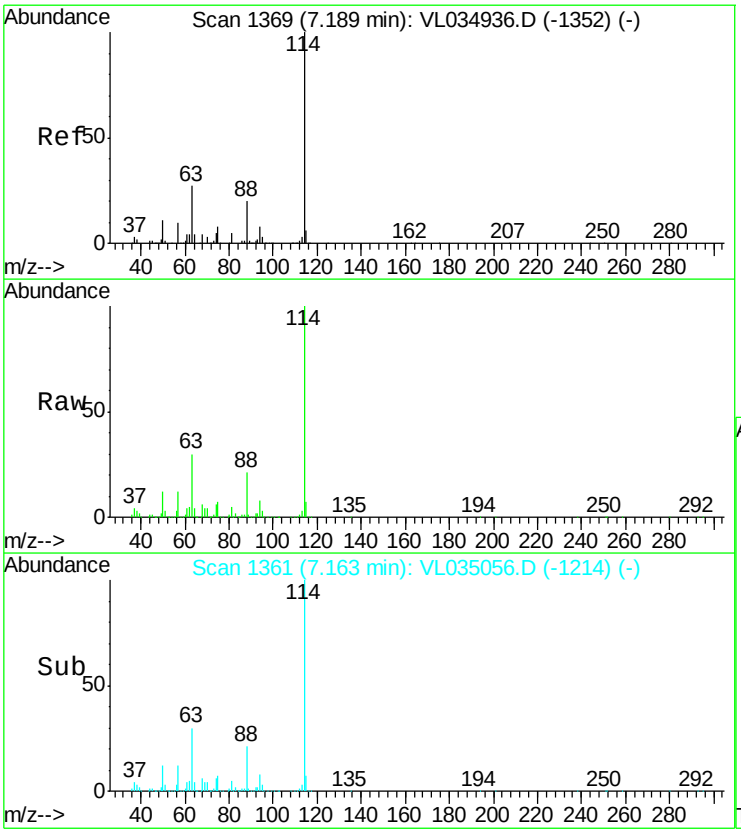
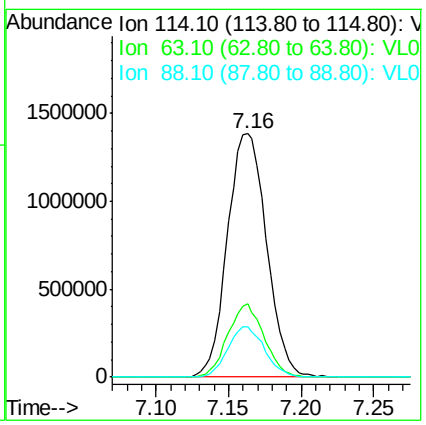
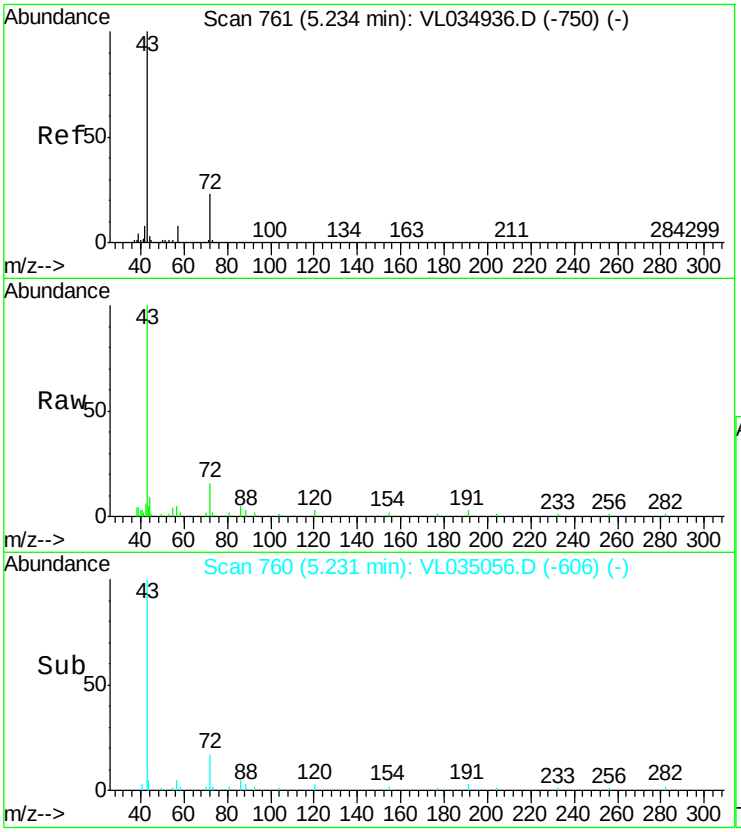


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.03 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion:114 Resp: 2593479

Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.4
88	19.4	15.5	23.3





#34
2-Butanone
Concen: 0.188 ppbv m
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 43 Resp: 30369

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.0	27.0#

Instrument :
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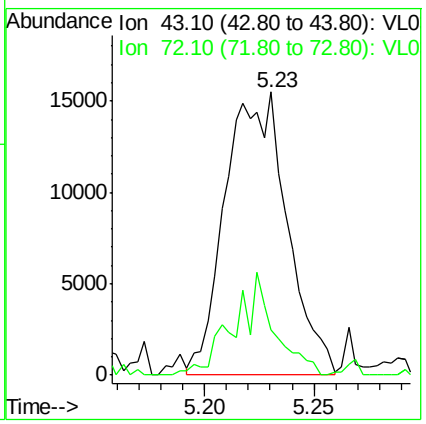
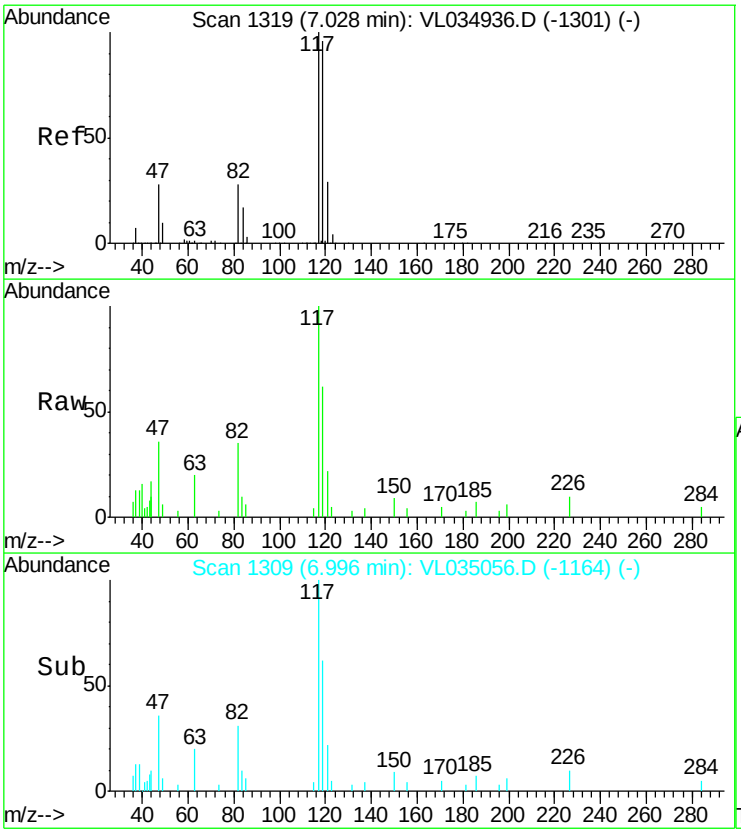
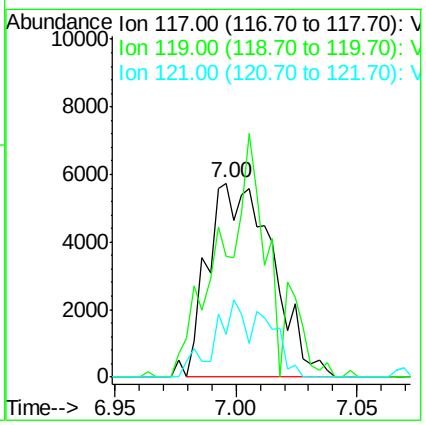


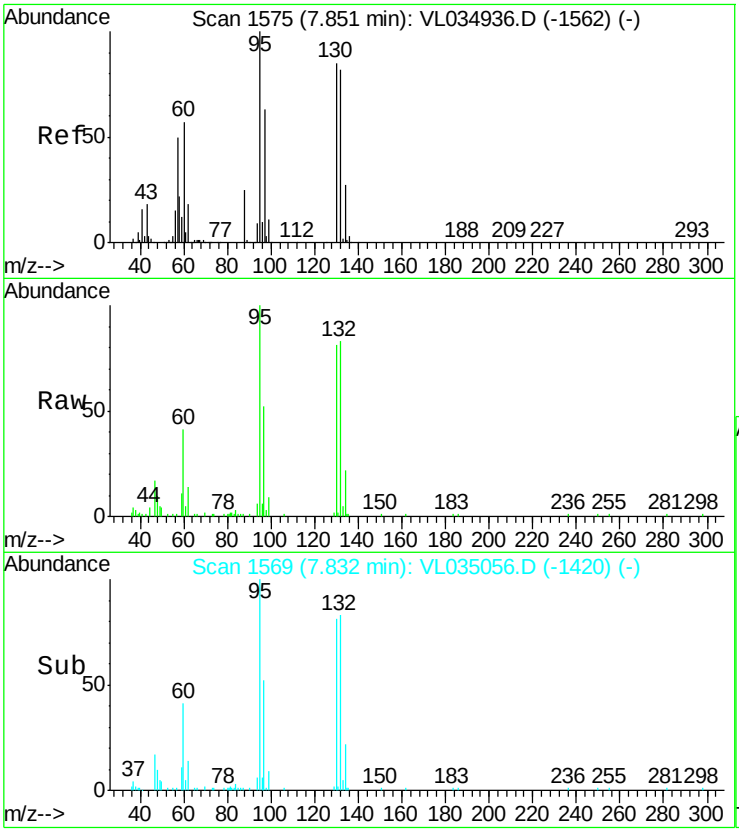


#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion:117 Resp: 10651

Ion	Ratio	Lower	Upper
117	100		
119	62.4	77.0	115.6#
121	21.8	23.0	34.6#

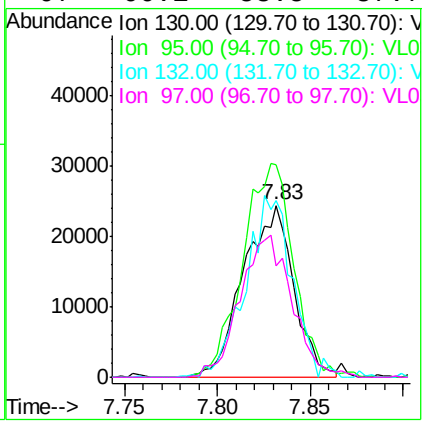




#38
Trichloroethene
Concen: 0.557 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion:130 Resp: 46129

Ion	Ratio	Lower	Upper
130	100		
95	120.7	93.4	140.0
132	99.3	76.4	114.6
97	66.1	58.5	87.7



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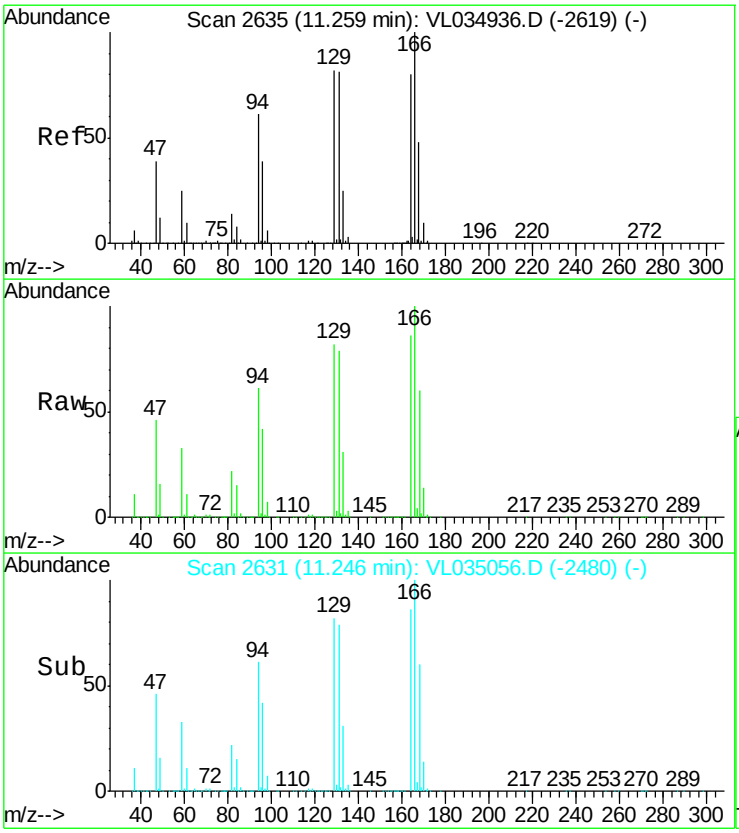
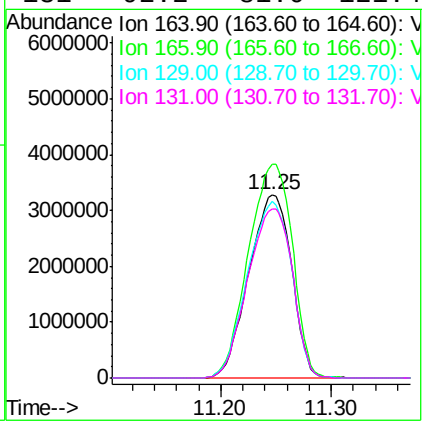
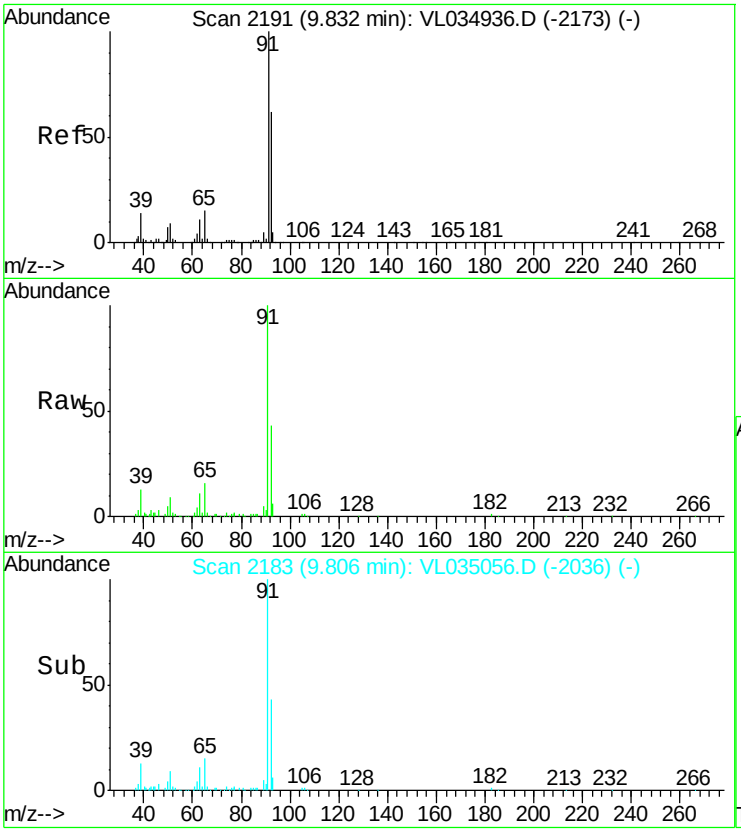


#52
Tetrachloroethene
Concen: 115.789 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion:164 Resp: 8803544

Ion	Ratio	Lower	Upper
164	100		
166	116.4	100.7	151.1
129	96.0	83.0	124.4
131	92.2	81.0	121.4

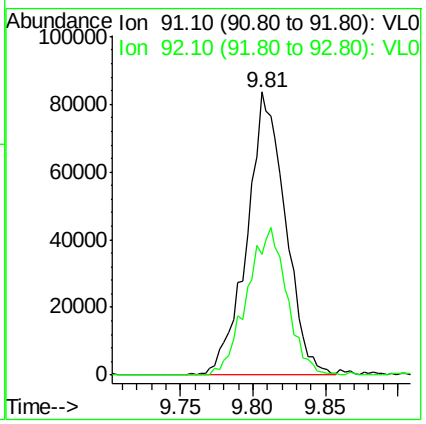




#53
Toluene
Concen: 0.681 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.03 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 91 Resp: 154355

Ion	Ratio	Lower	Upper
91	100		
92	54.1	48.6	73.0



Instrument :
MSVOA_L
ClientSampleId :
DC-SS

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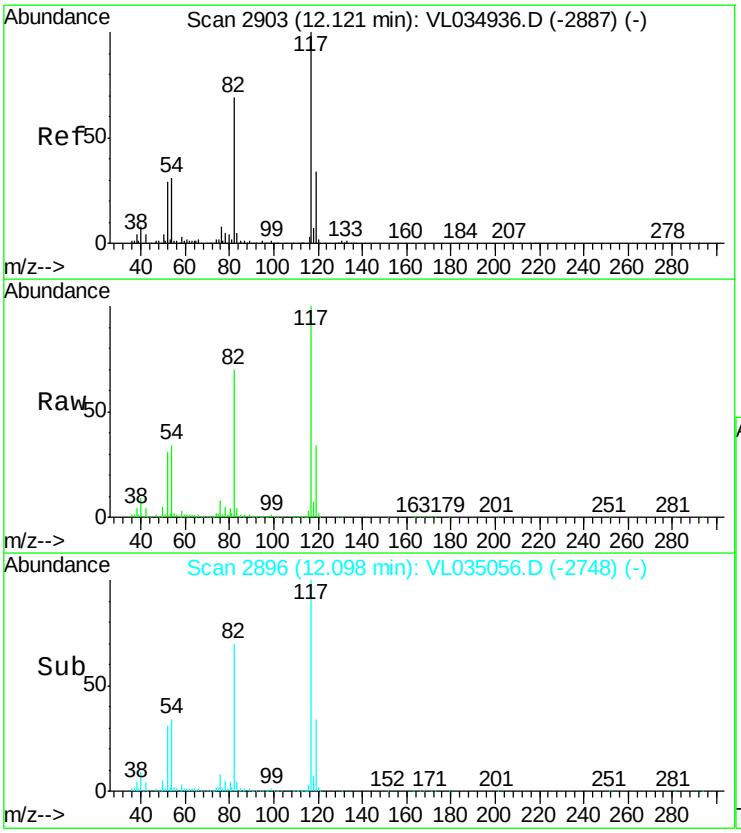
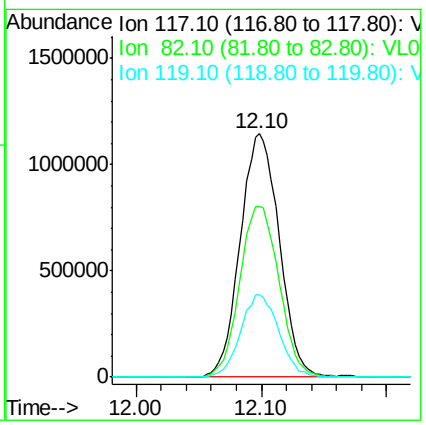
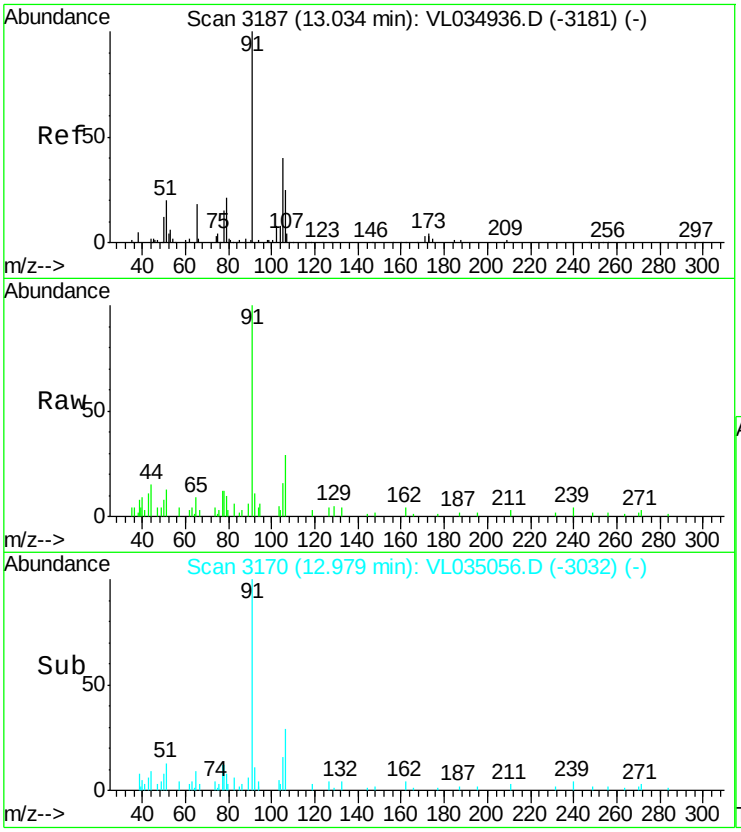


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion:117 Resp: 2470421

Ion	Ratio	Lower	Upper
117	100		
82	70.9	53.1	79.7
119	33.1	26.7	40.1





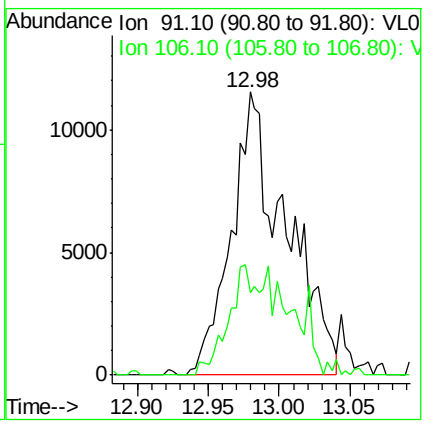
#59
m/p-Xylene
Concen: 0.115 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.05 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

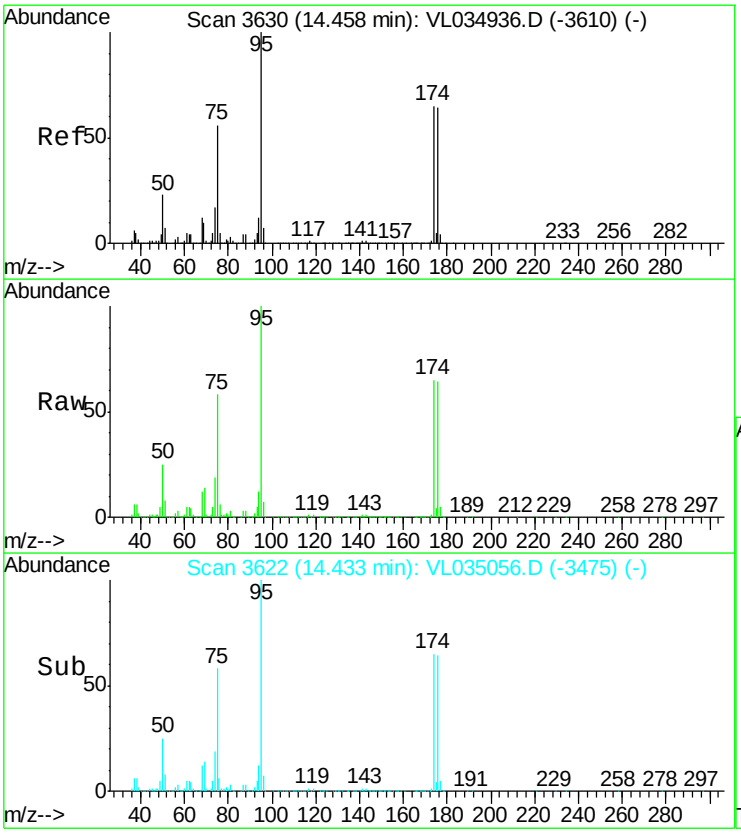
Tgt Ion: 91 Resp: 30822

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#

Instrument :
MSVOA_L
ClientSampleId :
DC-SS

Manual Integrations APPROVED
MMDadoda
5/20/2020 4:27:52 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 10.522 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.03 min
Lab File: VL035056.D
Acq: 19 May 2020 22:56

Tgt Ion: 95 Resp: 2103953

Ion	Ratio	Lower	Upper
95	100		
174	63.8	51.5	77.3
175	4.8	3.8	5.8