Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL063020\
Data File : VL035140.D
Acq On : 1 Jul 2020 00:55
Operator : SY/AP
Sample : QC062920 CAN 10661
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 05:09:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 2
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1121723	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2773238	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2709821	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2241106	9.96	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.60%			
Target Compounds						Qvalue
5) Vinyl Chloride	3.22	62	11792	0.179	ppbv #	74
10) Heptane	8.14	43	85777	0.675	ppbv #	26
15) Acetone	3.84	43	329555	2.430	ppbv #	62
26) Hexane	5.68	57	537743	4.873	ppbv #	40
30) Cyclohexane	7.14	84	77287m	0.976	ppbv	
36) Benzene	6.90	78	127243	0.593	ppbv #	93
38) Trichloroethene	7.85	130	90622	1.086	ppbv	98
44) 2,2,4-Trimethylpentane	7.88	57	163135	0.435	ppbv #	57
52) Tetrachloroethene	11.25	164	281888	3.725	ppbv	92
53) Toluene	9.83	91	36446m	0.159	ppbv	

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

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Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

Manual Integrations APPROVED
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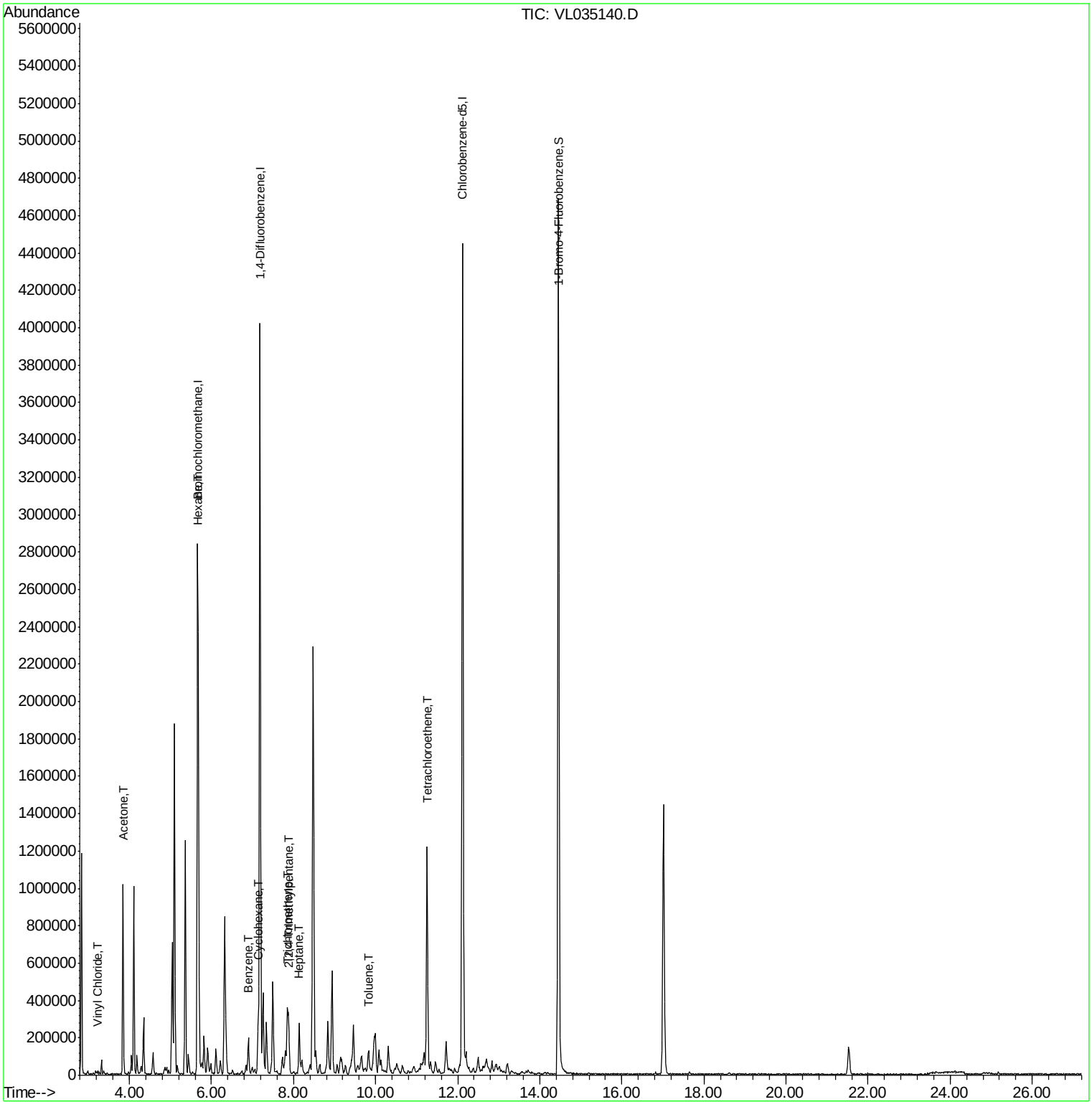
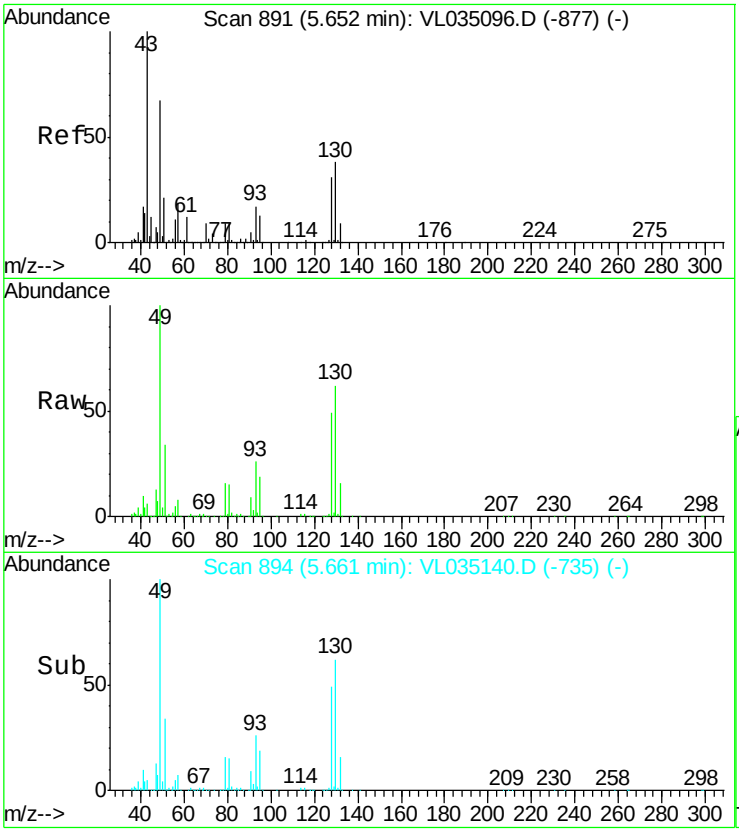
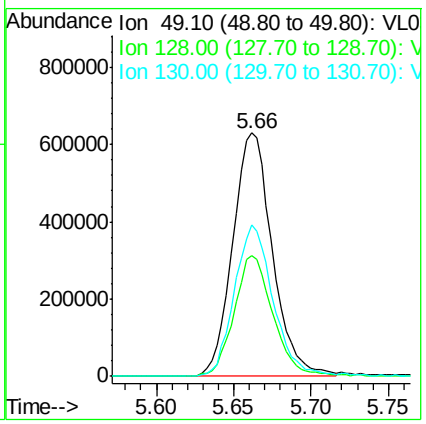




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 49 Resp: 1121723

Ion	Ratio	Lower	Upper
49	100		
128	49.0	22.9	68.5
130	61.8	29.0	87.0



Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

Manual Integrations APPROVED
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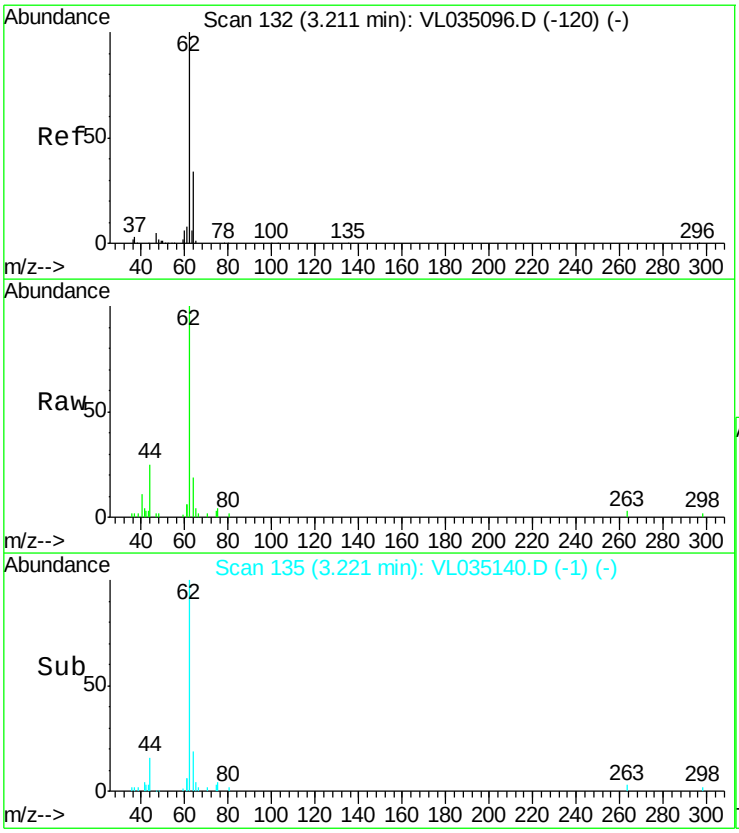
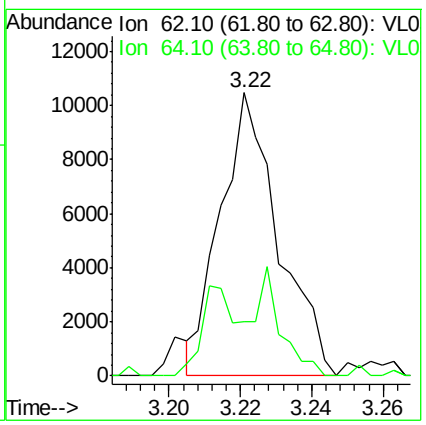
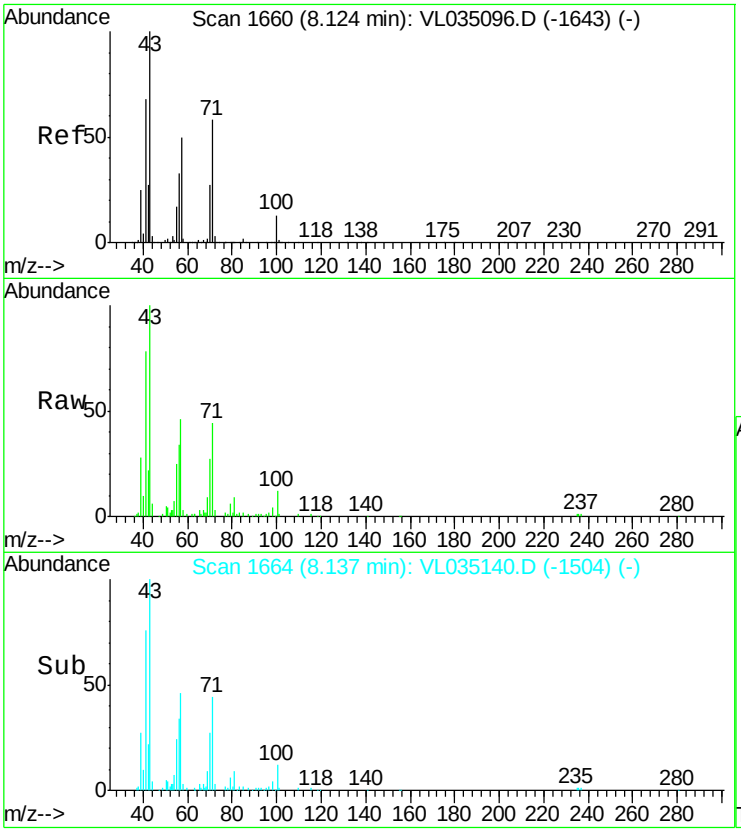


#5
Vinyl Chloride
Concen: 0.179 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 62 Resp: 11792

Ion	Ratio	Lower	Upper
62	100		
64	19.1	27.0	40.4#





#10
Heptane
Concen: 0.675 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 43 Resp: 85777

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.9	62.9#

Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

Manual Integrations APPROVED
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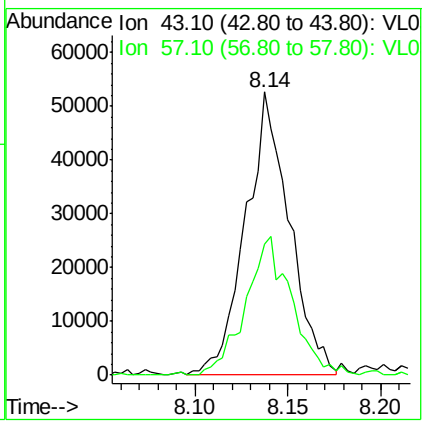
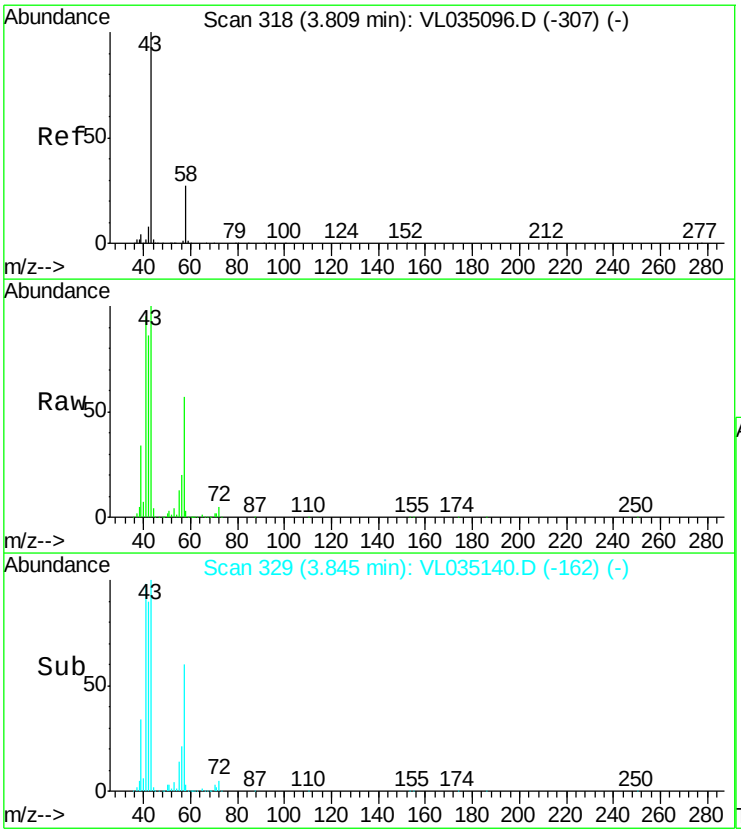
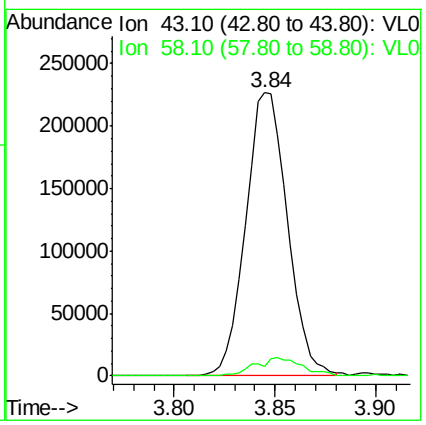


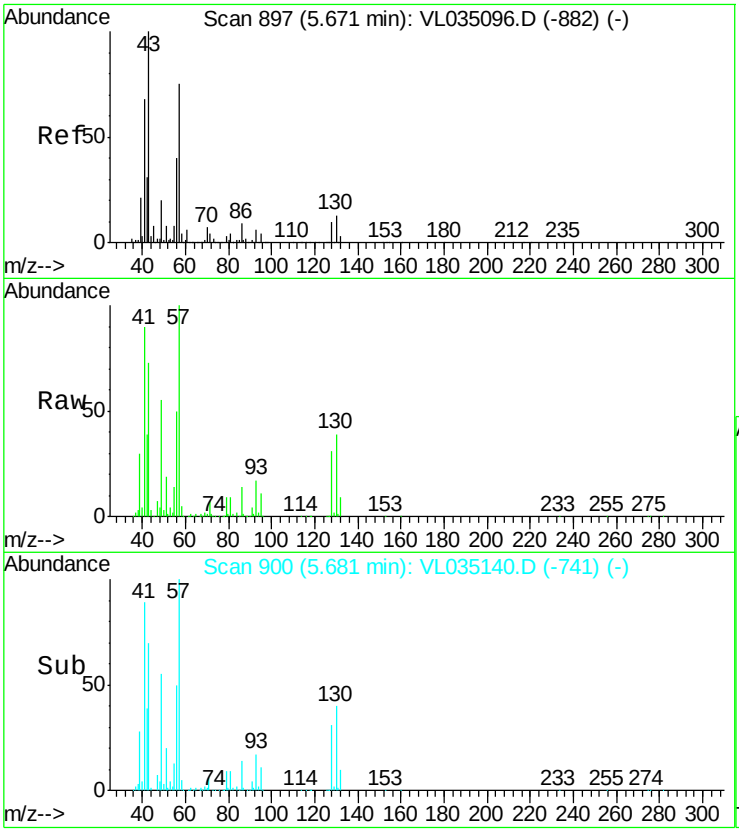


#15
Acetone
Concen: 2.430 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.04 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 43 Resp: 329555

Ion	Ratio	Lower	Upper
43	100		
58	7.5	21.8	32.6#

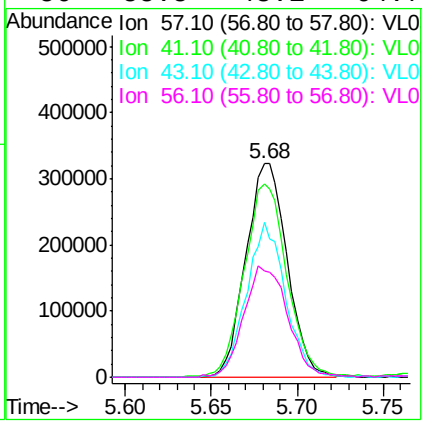




#26
Hexane
Concen: 4.873 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 57 Resp: 537743

Ion	Ratio	Lower	Upper
57	100		
41	94.8	72.9	109.3
43	68.3	181.3	271.9#
56	55.5	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

Manual Integrations APPROVED
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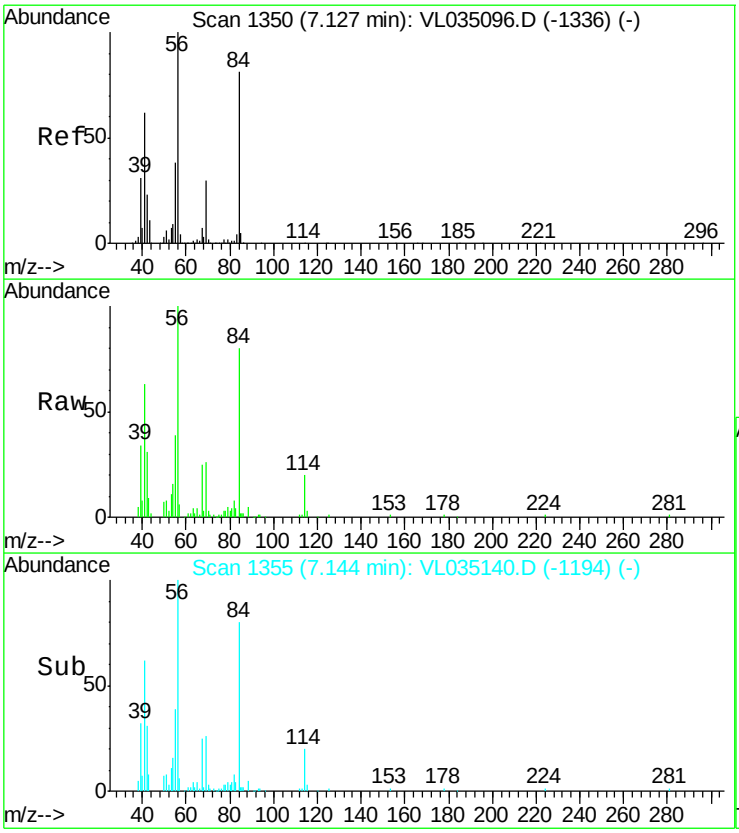
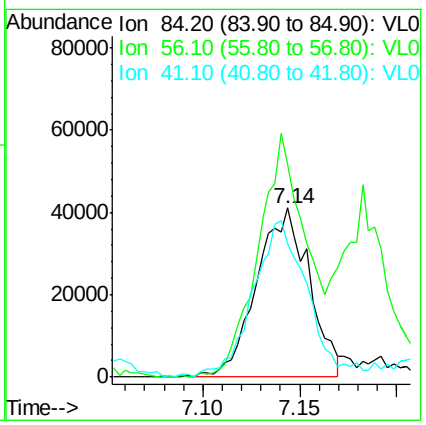
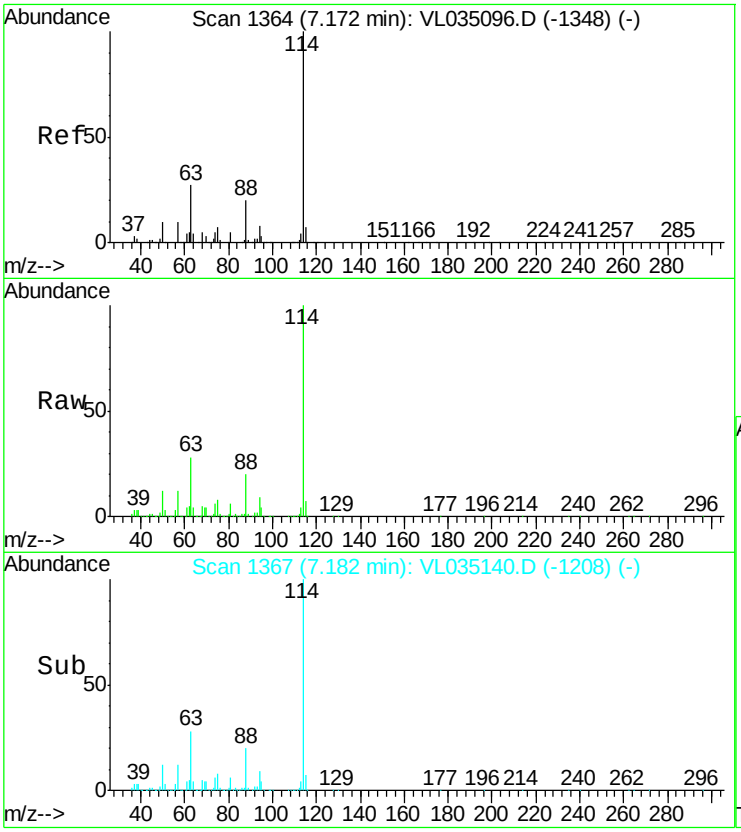


#30
Cyclohexane
Concen: 0.976 ppbv m
RT: 7.14 min Scan# 1355
Delta R.T. 0.02 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 84 Resp: 77287

Ion	Ratio	Lower	Upper
84	100		
56	124.7	108.0	162.0
41	94.2	65.6	98.4

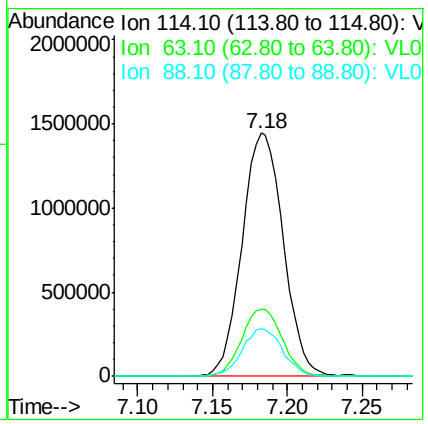




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion:114 Resp: 2773238

Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.9	32.9
88	19.3	15.6	23.4



Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

Manual Integrations APPROVED
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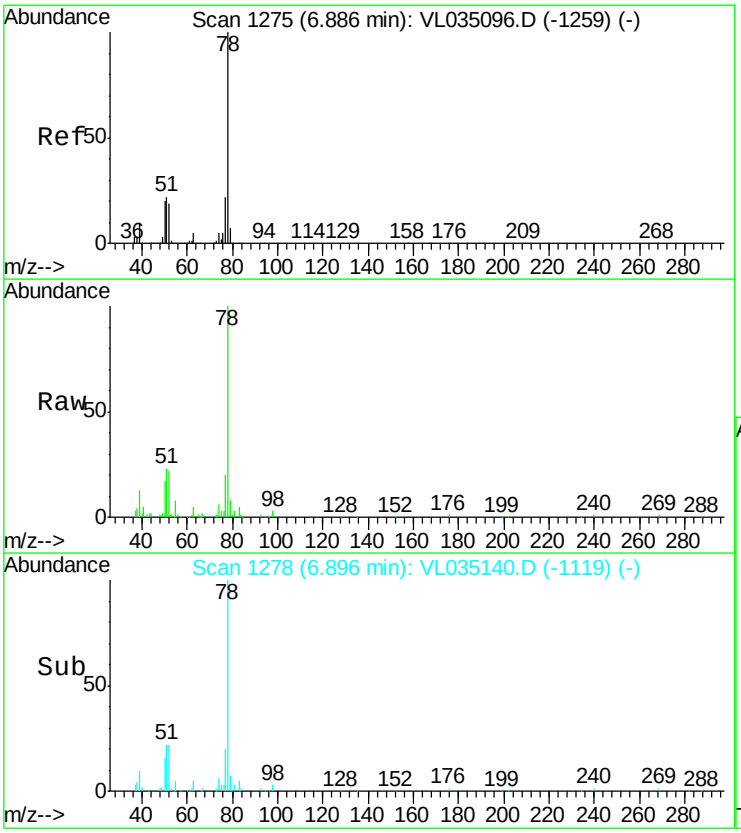
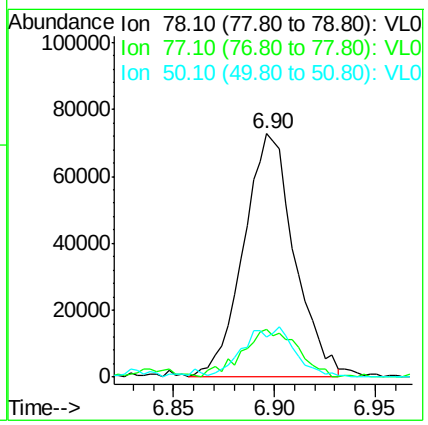
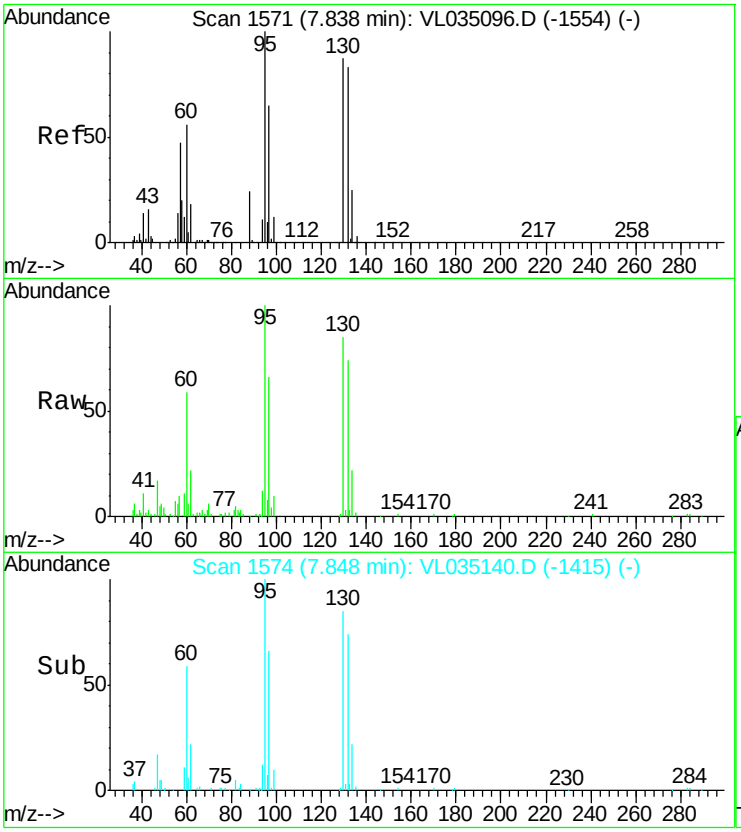


#36
Benzene
Concen: 0.593 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 78 Resp: 127243

Ion	Ratio	Lower	Upper
78	100		
77	19.9	17.8	26.6
50	15.8	16.2	24.2#

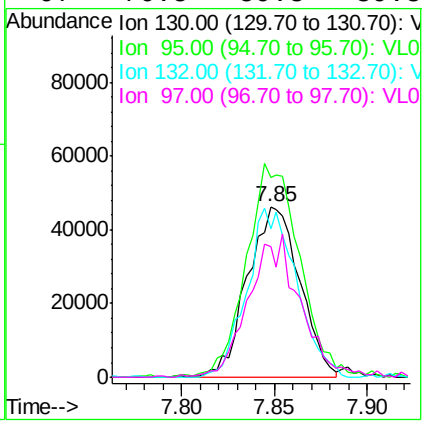




#38
Trichloroethene
Concen: 1.086 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion:130 Resp: 90622

Ion	Ratio	Lower	Upper
130	100		
95	115.8	91.4	137.2
132	91.1	75.8	113.6
97	76.5	59.8	89.8



Instrument :
MSVOA_L
ClientSampleId :
QC062920 CAN 10661

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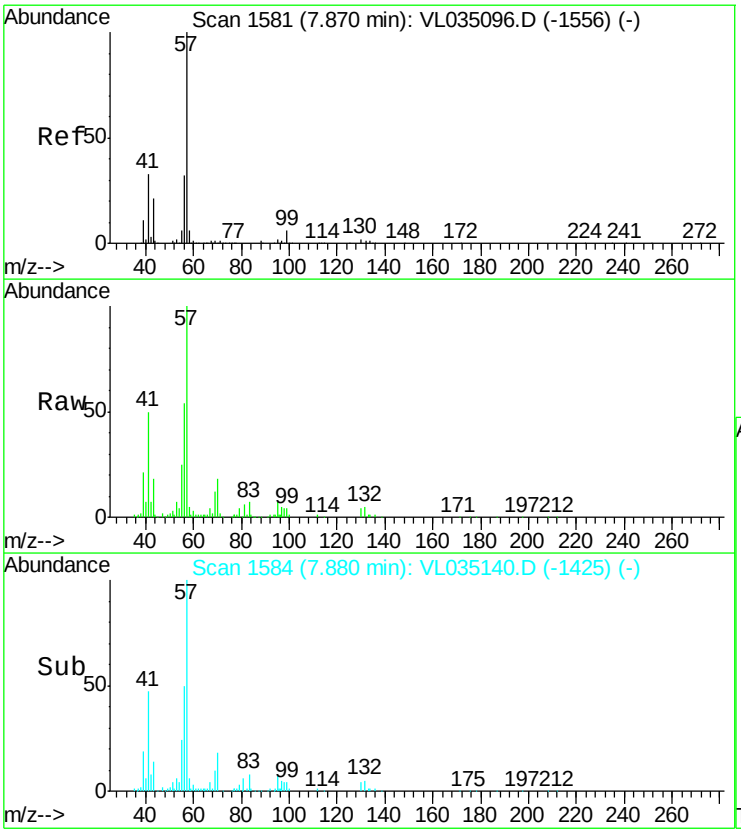
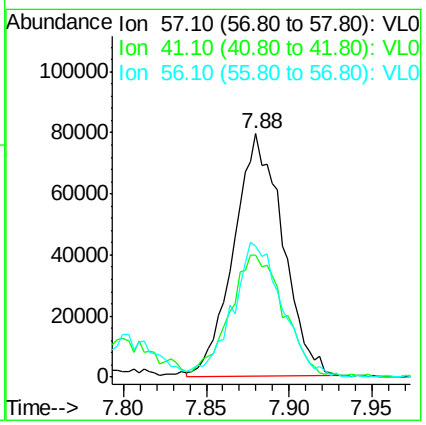
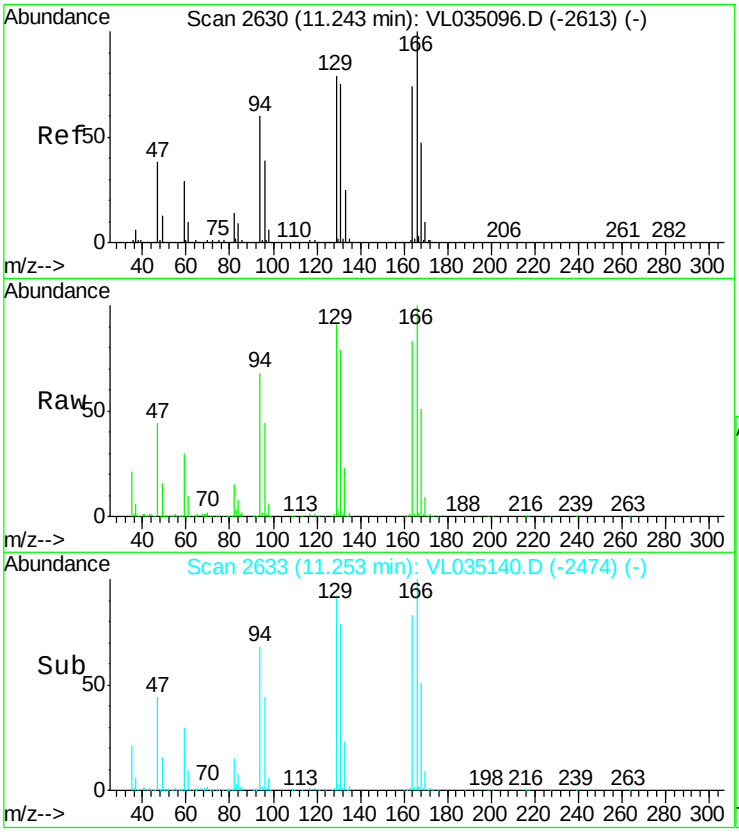


#44
2,2,4-Trimethylpentane
Concen: 0.435 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 57 Resp: 163135

Ion	Ratio	Lower	Upper
57	100		
41	56.7	26.2	39.2#
56	55.9	25.4	38.2#

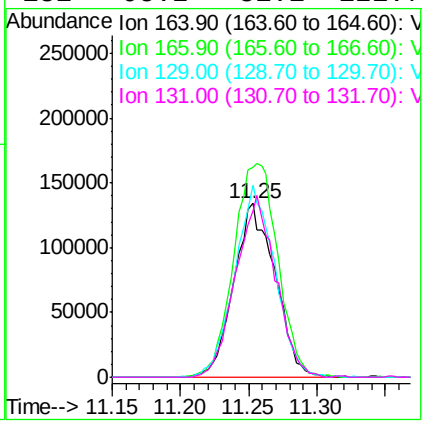




#52
Tetrachloroethene
Concen: 3.725 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion:164 Resp: 281888

Ion	Ratio	Lower	Upper
164	100		
166	120.2	107.5	161.3
129	110.1	84.9	127.3
131	95.2	81.1	121.7



Instrument :
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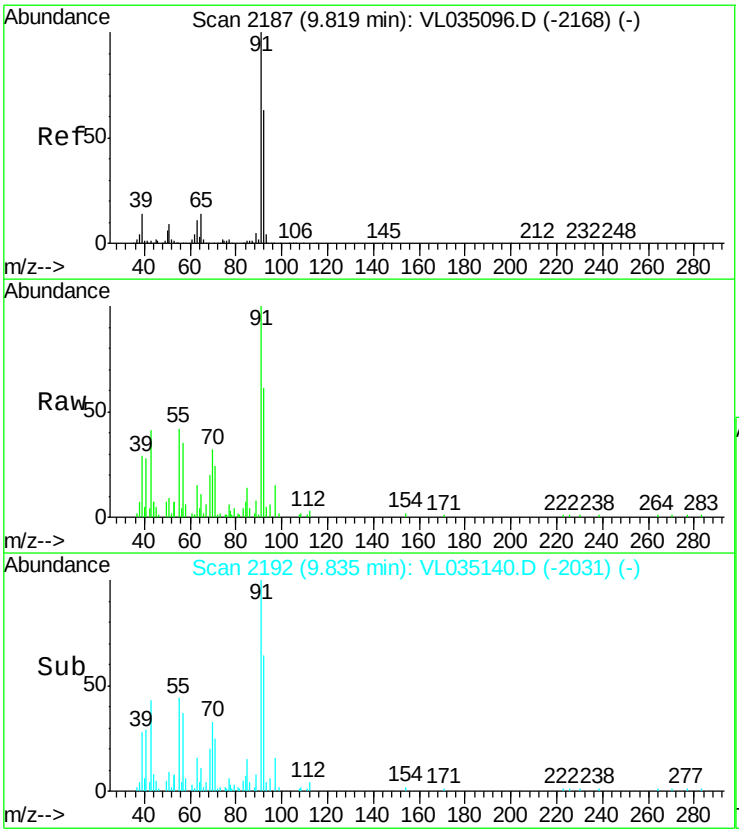
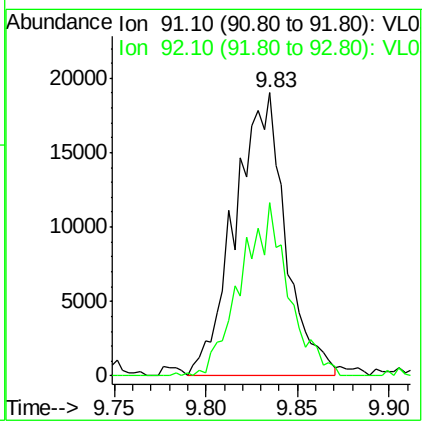
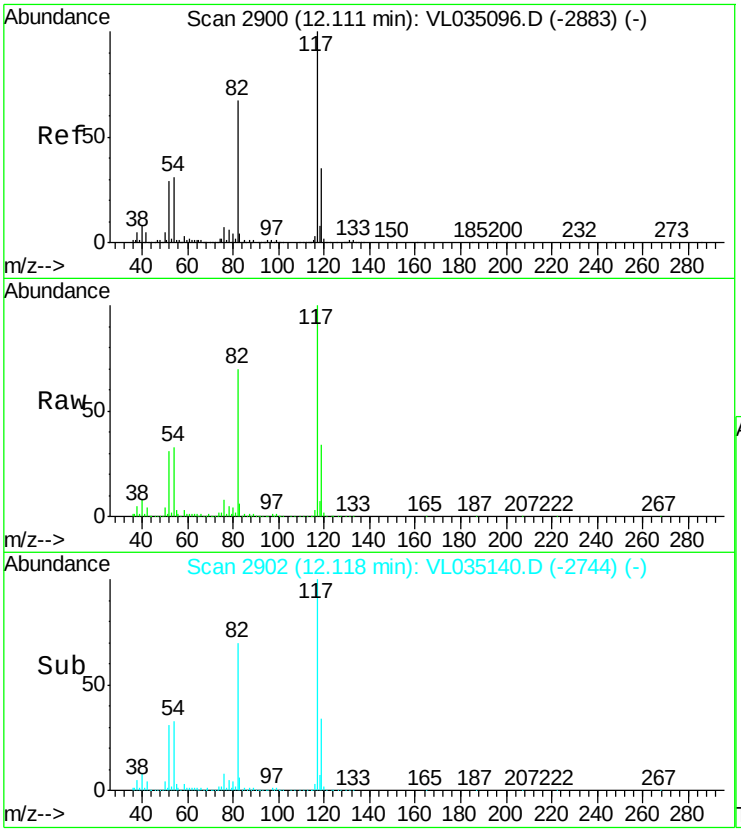


#53
Toluene
Concen: 0.159 ppbv m
RT: 9.83 min Scan# 2192
Delta R.T. 0.02 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 91 Resp: 36446

Ion	Ratio	Lower	Upper
91	100		
92	57.4	49.0	73.6

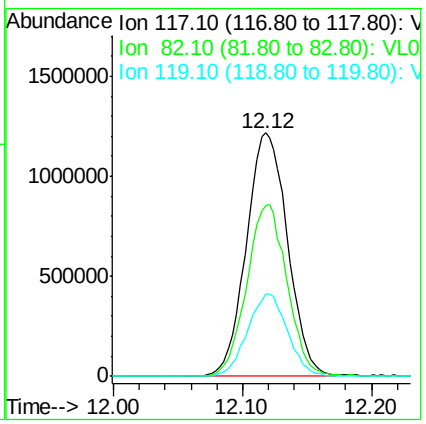




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion:117 Resp: 2709821

Ion	Ratio	Lower	Upper
117	100		
82	69.8	50.4	75.6
119	33.0	25.4	38.0



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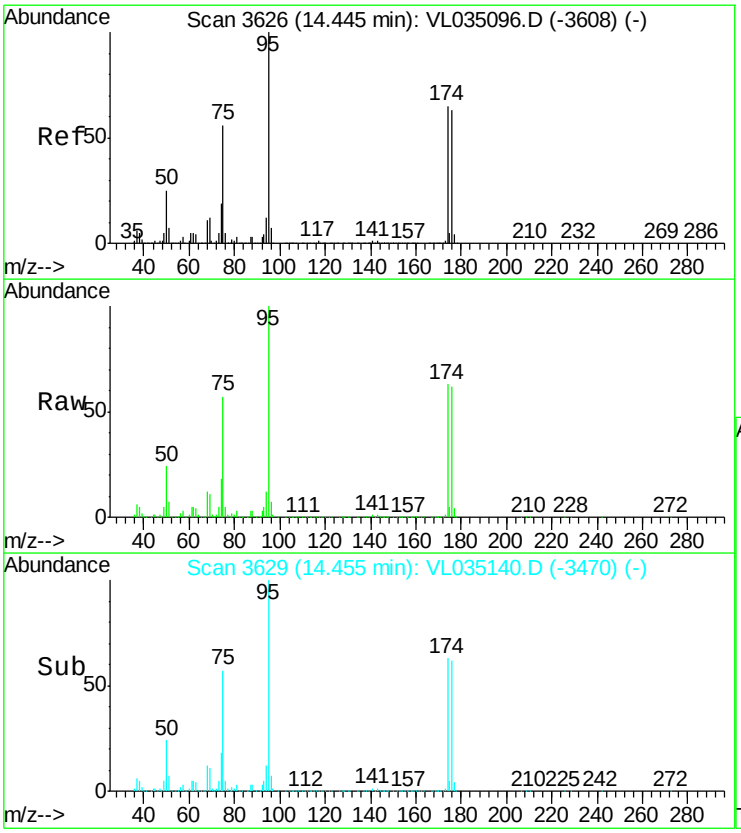

#68
1-Bromo-4-Fluorobenzene
Concen: 9.956 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.01 min
Lab File: VL035140.D
Acq: 1 Jul 2020 00:55

Tgt Ion: 95 Resp: 2241106

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.2	78.2
175	4.6	4.0	6.0