Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\
Data File : VL034681.D
Acq On : 26 Feb 2020 5:37
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 06:45:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
QLast Update : Wed Feb 26 03:37:46 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1081878	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2236118	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2189369	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1846885	10.28	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%			
Target Compounds						Qvalue
5) Vinyl Chloride	3.23	62	2221	0.030	ppbv #	71
32) 1,1,1-Trichloroethane	6.51	97	5413m	0.033	ppbv	
35) Carbon Tetrachloride	7.02	117	4974m	0.029	ppbv	
38) Trichloroethene	7.84	130	2591m	0.032	ppbv	
52) Tetrachloroethene	11.26	164	2860m	0.038	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	6720m	0.033	ppbv	

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

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Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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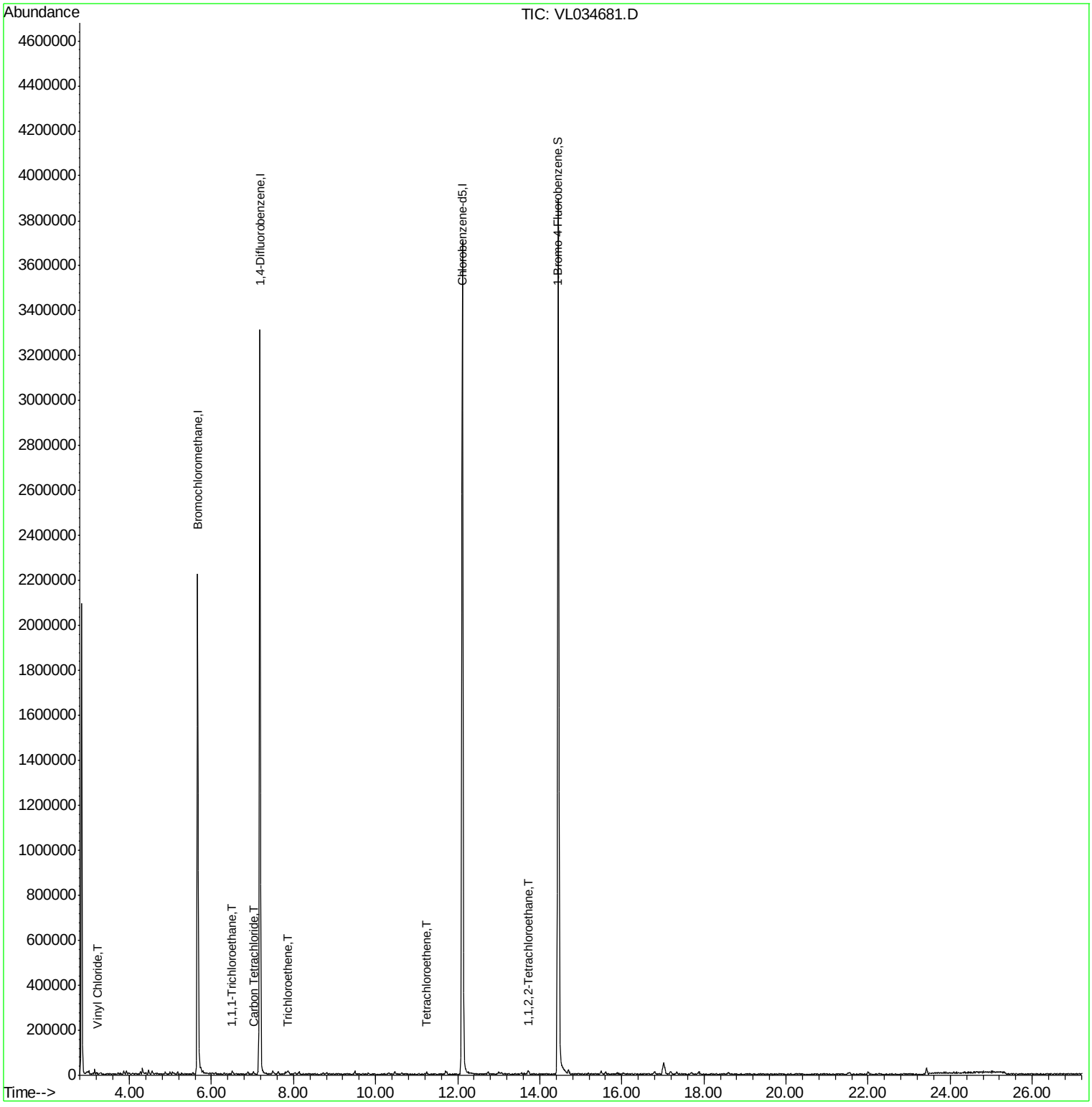
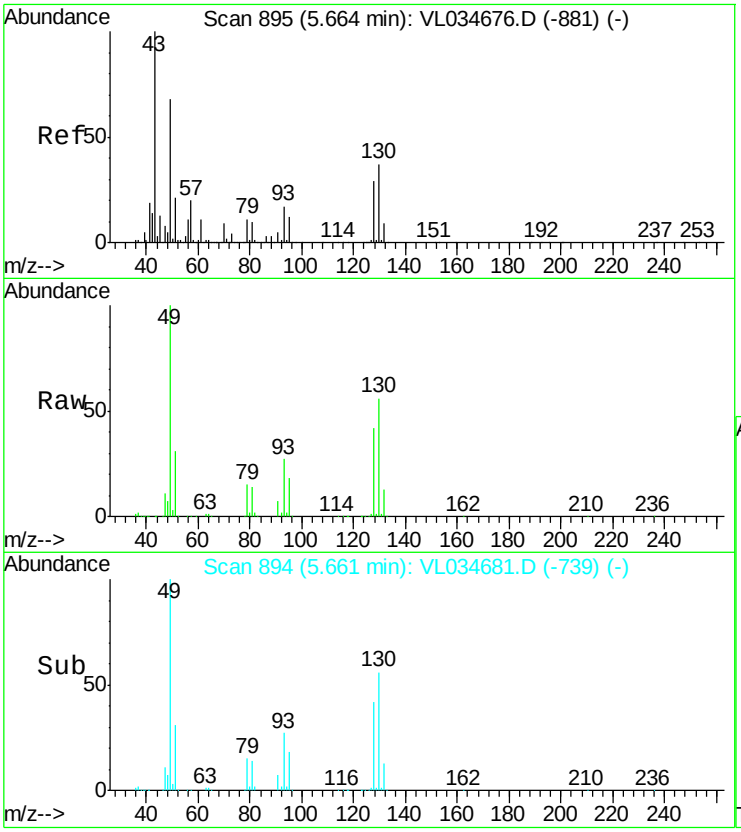
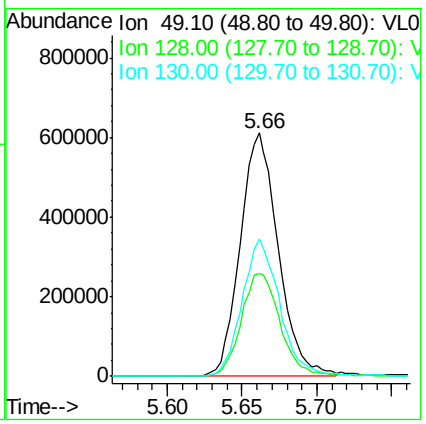




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion: 49 Resp: 1081878

Ion	Ratio	Lower	Upper
49	100		
128	43.5	21.6	65.0
130	56.5	27.7	83.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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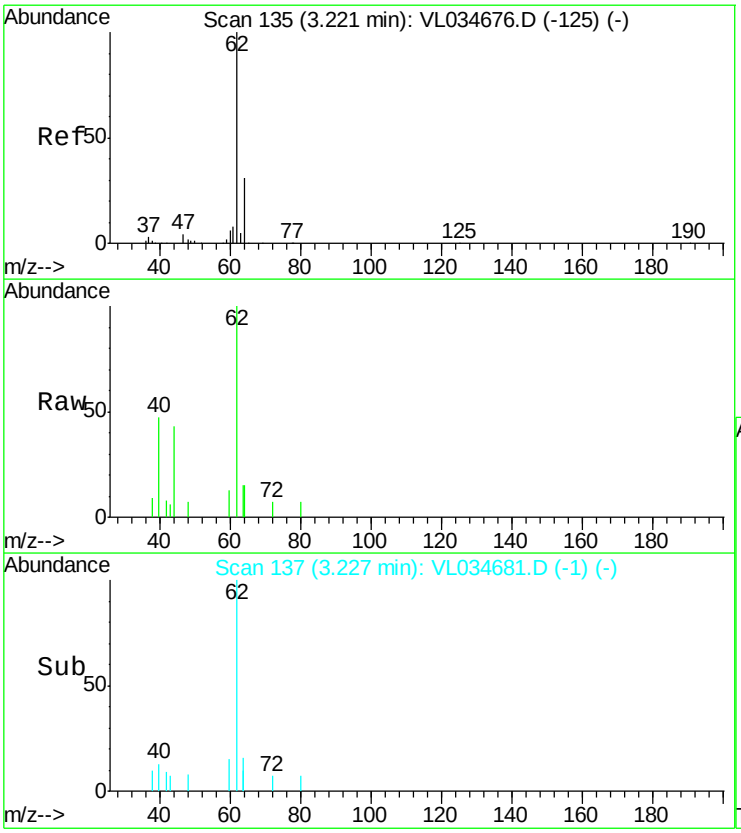
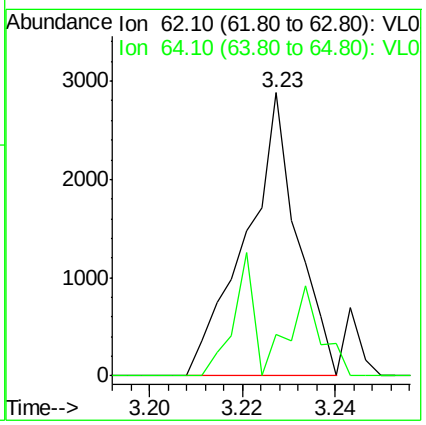
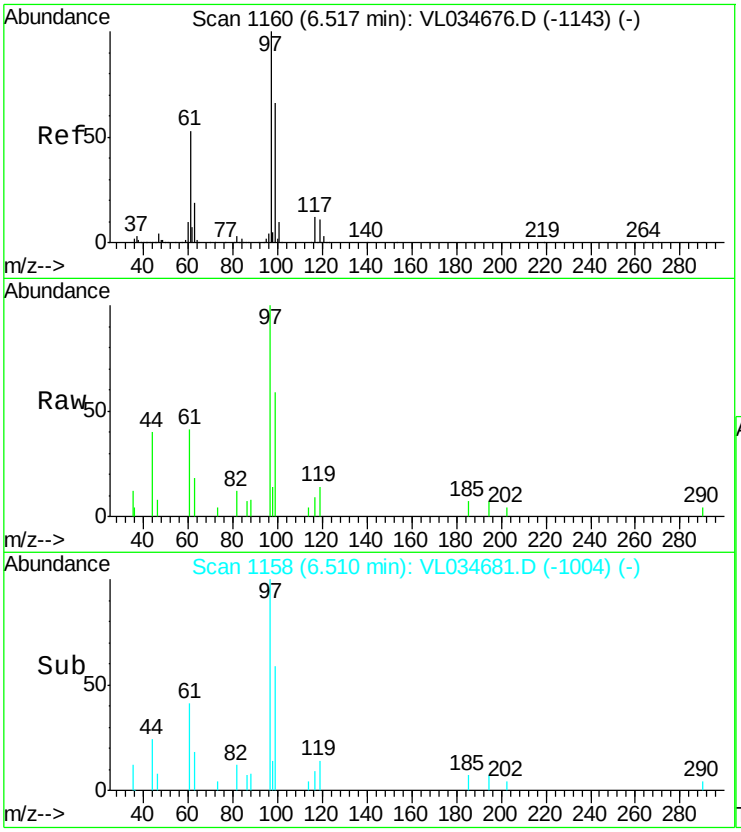


#5
Vinyl Chloride
Concen: 0.030 ppbv
RT: 3.23 min Scan# 137
Delta R.T. 0.01 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion: 62 Resp: 2221

Ion	Ratio	Lower	Upper
62	100		
64	14.8	24.7	37.1#

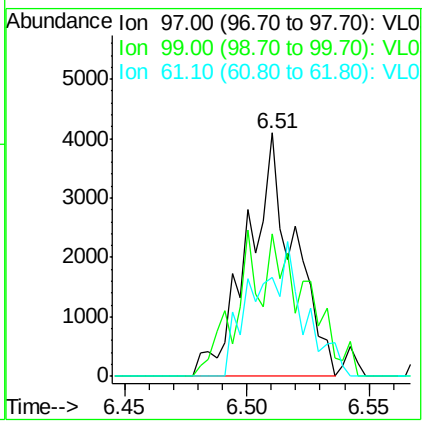




#32
1,1,1-Trichloroethane
Concen: 0.033 ppbv m
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion: 97 Resp: 5413

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.3	78.5#
61	0.0	42.8	64.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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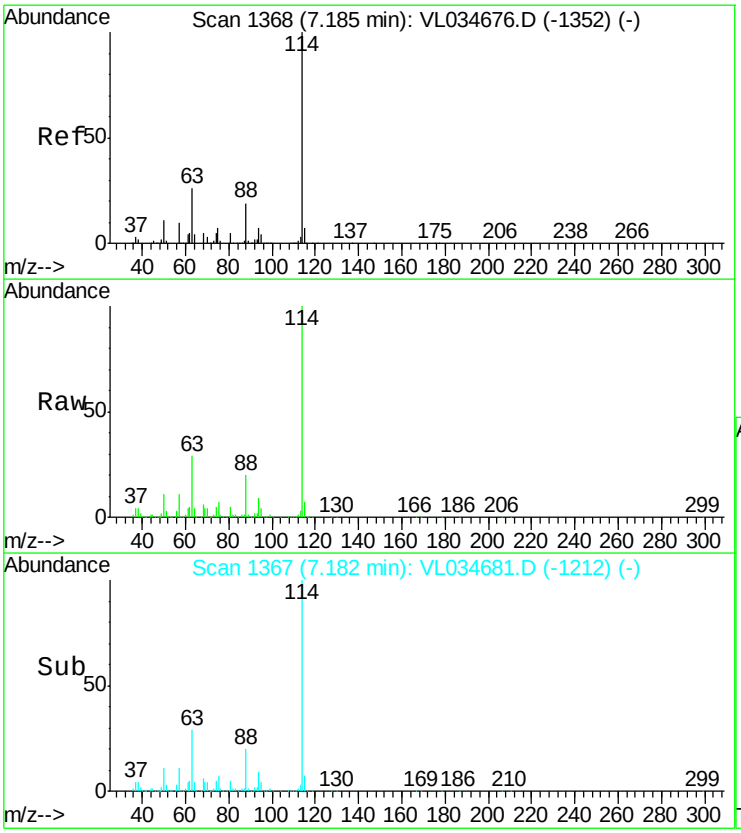
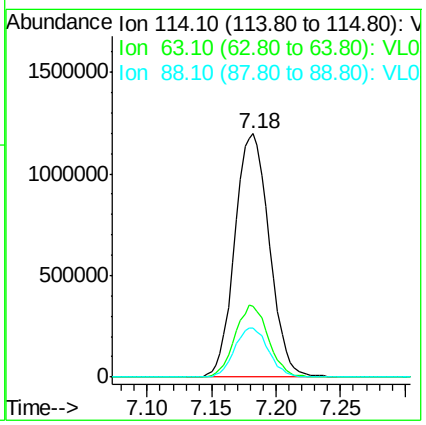
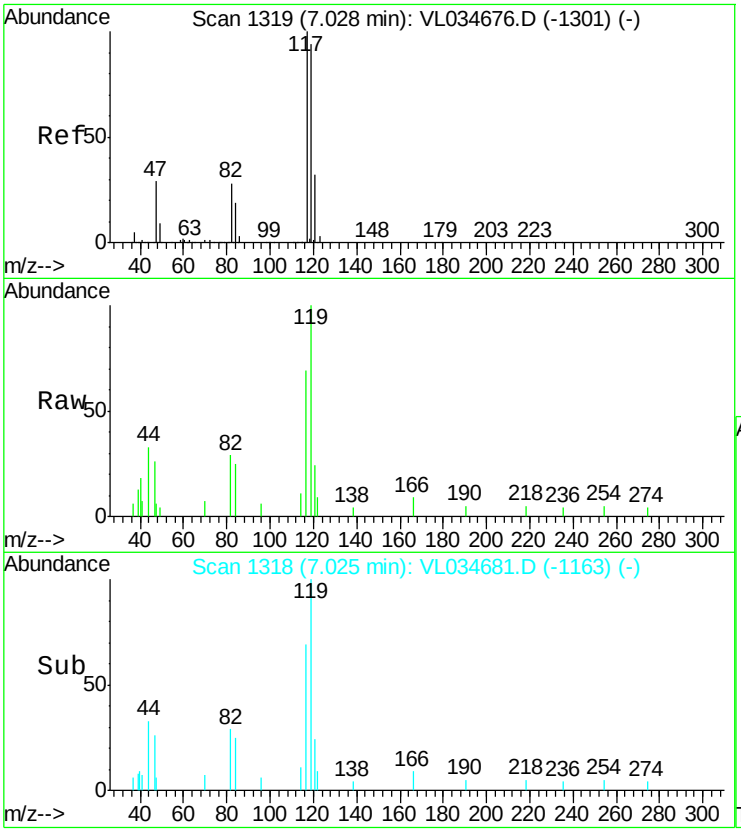


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion:114 Resp: 2236118

Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.9	34.3
88	19.7	15.8	23.6

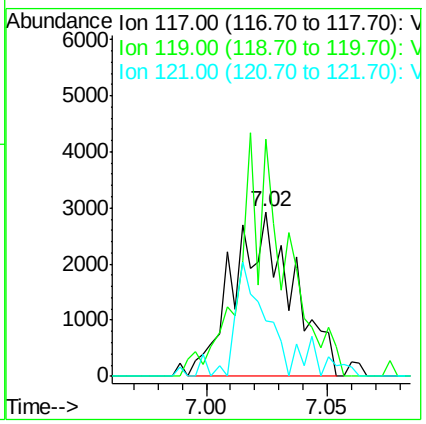




#35
Carbon Tetrachloride
Concen: 0.029 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion:117 Resp: 4974

Ion	Ratio	Lower	Upper
117	100		
119	143.9	75.5	113.3#
121	33.9	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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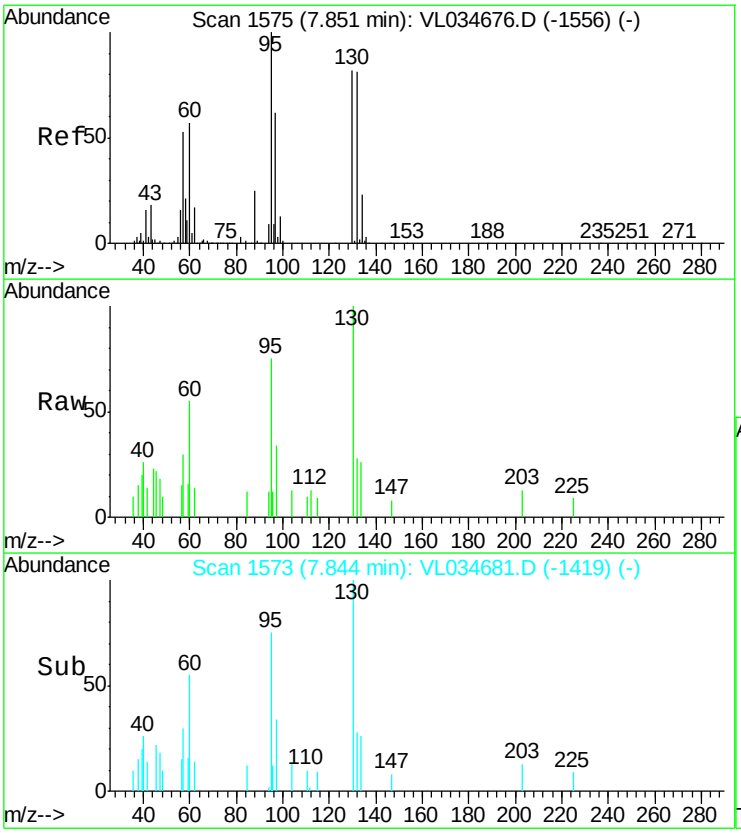
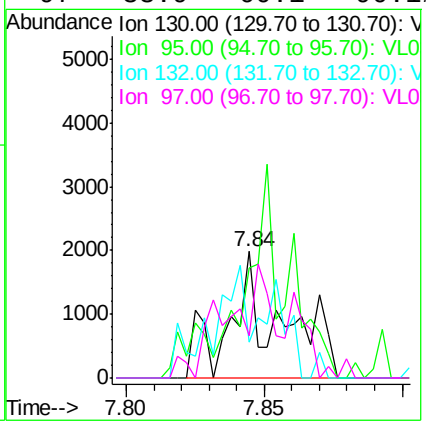
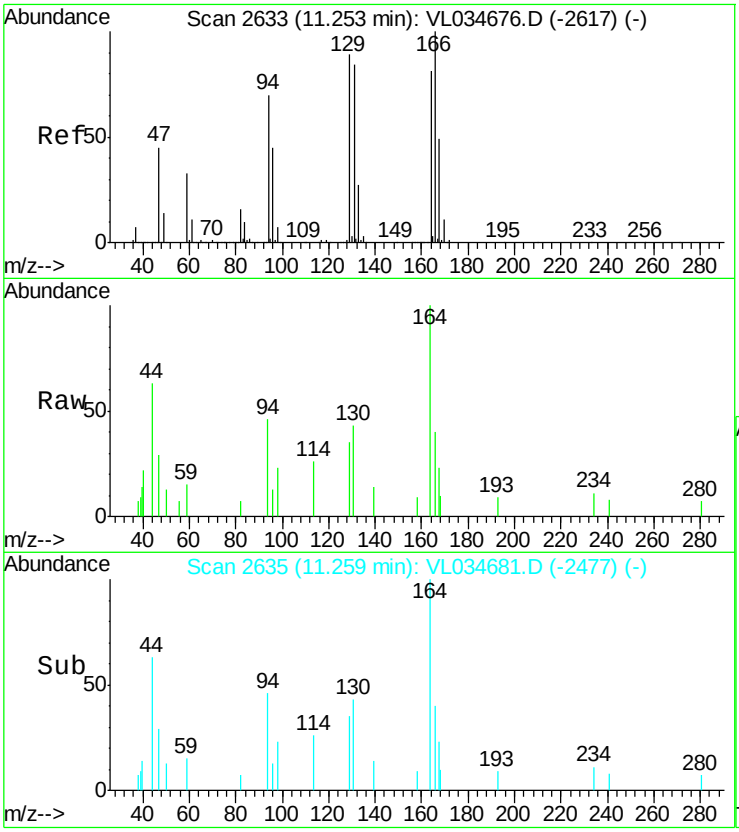


#38
Trichloroethene
Concen: 0.032 ppbv m
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion:130 Resp: 2591

Ion	Ratio	Lower	Upper
130	100		
95	75.0	97.1	145.7#
132	28.3	78.3	117.5#
97	33.9	60.1	90.1#

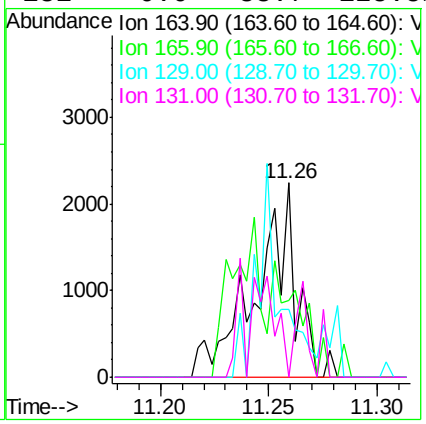




#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 11.26 min Scan# 2635
Delta R.T. 0.01 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion:164 Resp: 2860

Ion	Ratio	Lower	Upper
164	100		
166	39.7	99.2	148.8#
129	34.8	88.0	132.0#
131	0.0	83.7	125.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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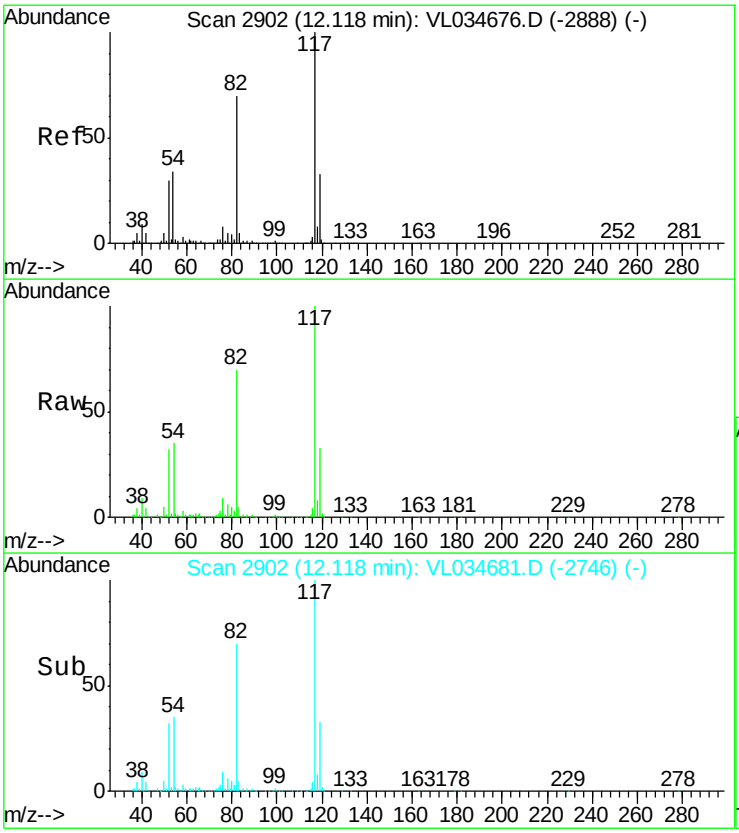
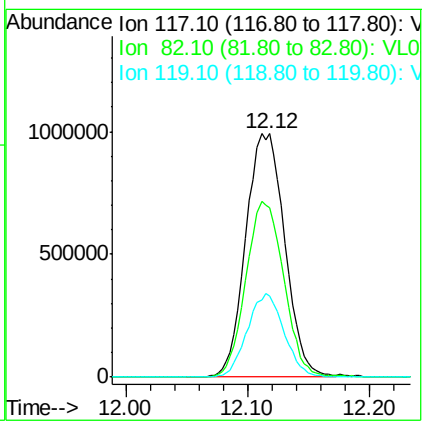
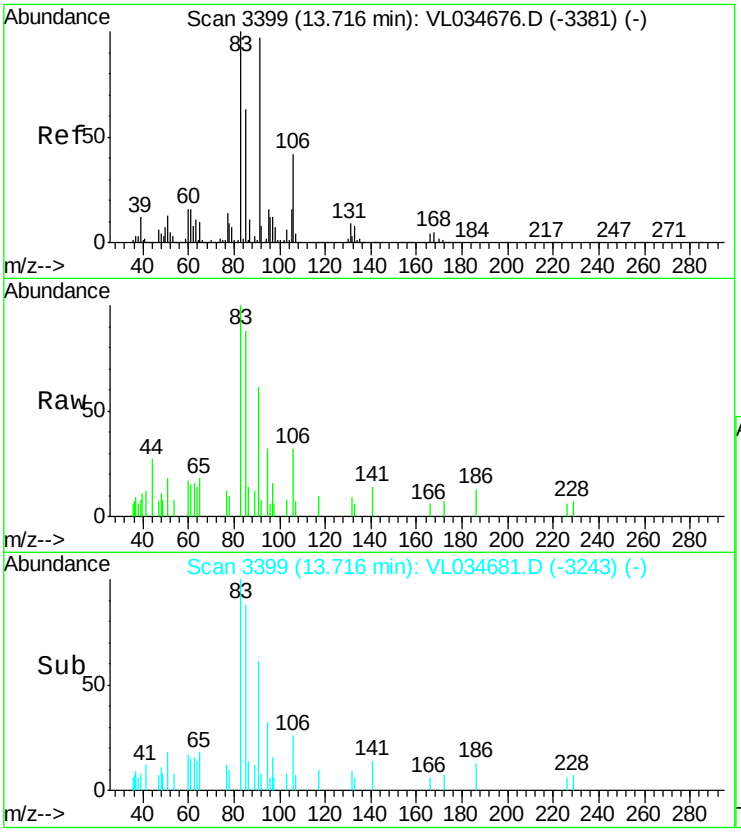


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion:117 Resp: 2189369

Ion	Ratio	Lower	Upper
117	100		
82	70.3	54.1	81.1
119	32.6	27.6	41.4

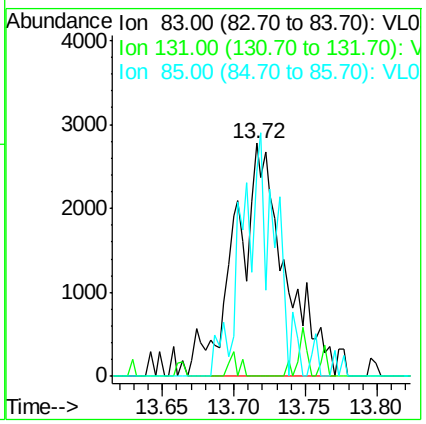




#63
1,1,2,2-Tetrachloroethane
Concen: 0.033 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion: 83 Resp: 6720

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.4	13.2#
85	72.7	32.5	97.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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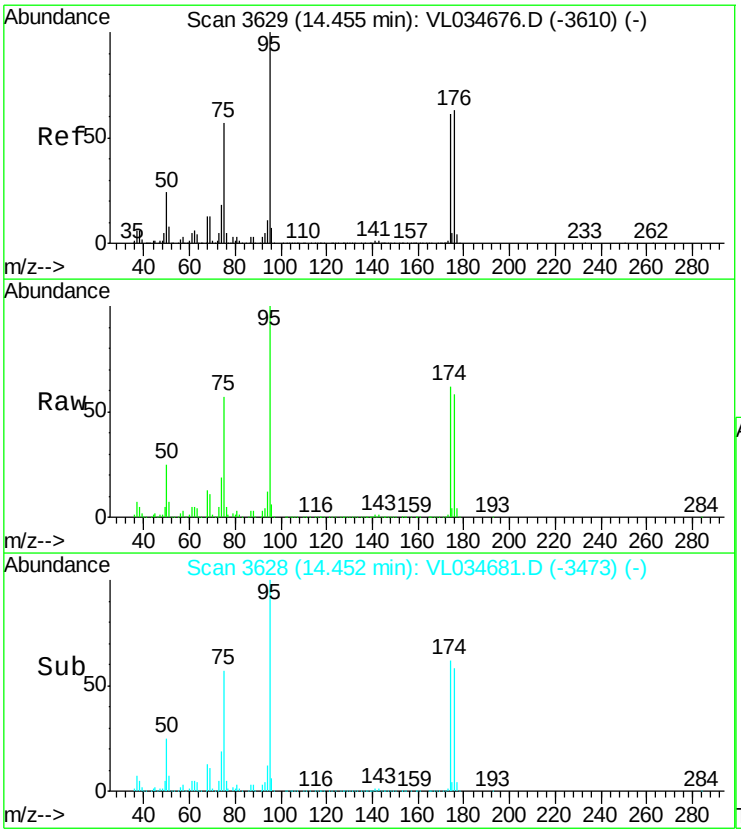

#68
1-Bromo-4-Fluorobenzene
Concen: 10.278 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034681.D
Acq: 26 Feb 2020 5:37

Tgt Ion: 95 Resp: 1846885

Ion	Ratio	Lower	Upper
95	100		
174	63.3	50.7	76.1
175	4.6	3.9	5.9