Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091319\
Data File : VV012741.D
Acq On : 13 Sep 2019 21:33
Operator : SY/MD
Sample : K4707-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0CJ5

Manual Integrations APPROVED
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Quant Time: Sep 14 01:40:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:19:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	773195	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.92	117	807937	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.31	152	491789	50.00	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	202708	46.26	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.52%			
7) Chloroethane-d5	1.58	69	189699	48.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.74%			
11) 1,1-Dichloroethene-d2	2.13	63	303650	35.62	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.24%			
21) 2-Butanone-d5	3.92	46	467622	102.90	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.90%			
24) Chloroform-d	4.40	84	571353	52.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.24%			
26) 1,2-Dichloroethane-d4	5.09	65	331874	50.39	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.78%			
32) Benzene-d6	5.10	84	987337	45.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.58%			
36) 1,2-Dichloropropane-d6	6.12	67	345850m	45.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 90.92%			
41) Toluene-d8	7.36	98	876743	44.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.90%			
43) trans-1,3-Dichloropropene-	7.66	79	143399	45.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.48%			
47) 2-Hexanone-d5	8.13	63	324936	111.32	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 111.32%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	531010	54.56	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.12%			
64) 1,2-Dichlorobenzene-d4	11.70	152	540479	48.15	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.30%			
Target Compounds						Qvalue
13) Acetone	2.19	43	64463	17.185	ug/L	99
25) Chloroform	4.42	83	1471569	145.460	ug/L	100
29) Cyclohexane	4.73	56	39513	5.152	ug/L	95
31) Carbon tetrachloride	4.88	117	472024	64.891	ug/L	99
33) Benzene	5.13	78	34454113m	1567.784	ug/L	
35) Methylcyclohexane	6.18	83	18032m	2.238	ug/L	
38) Bromodichloromethane	6.56	83	14029	1.724	ug/L #	93
46) Tetrachloroethene	8.02	164	8813	1.989	ug/L	97
51) Chlorobenzene	8.92	112	43517174m	2783.092	ug/L	
62) 1,3-Dichlorobenzene	11.23	146	16189175m	1065.767	ug/L	
63) 1,4-Dichlorobenzene	11.31	146	33030905m	2119.853	ug/L	
65) 1,2-Dichlorobenzene	11.69	146	36989053m	2315.914	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	22335	1.990	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	19841430m	2092.590	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	8784519	853.464	ug/L	97

Quantitation Report (LSC Reviewed)

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ALS Vial : 21 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:19:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091319\
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ClientSampleId :
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Manual Integrations APPROVED
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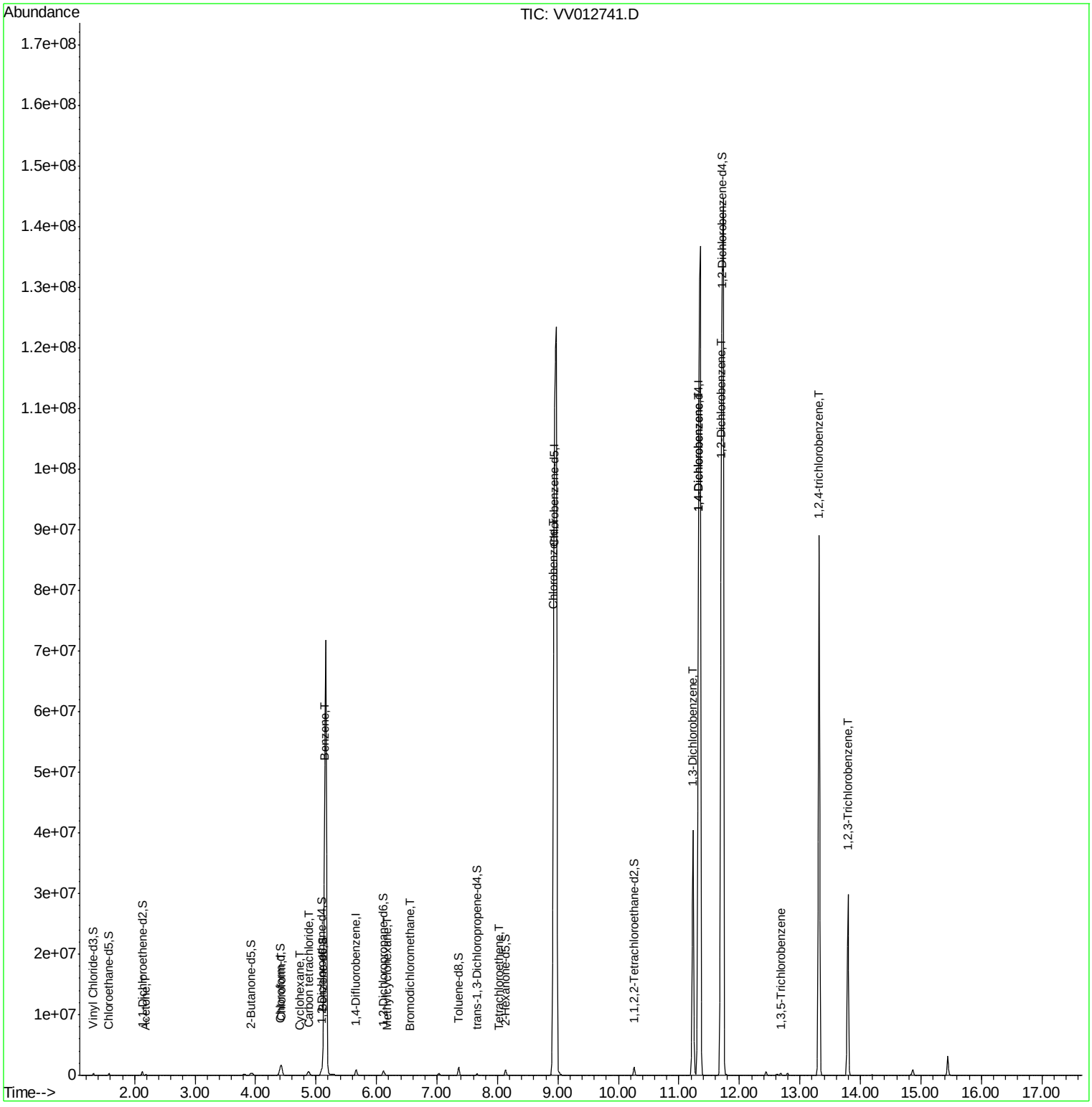
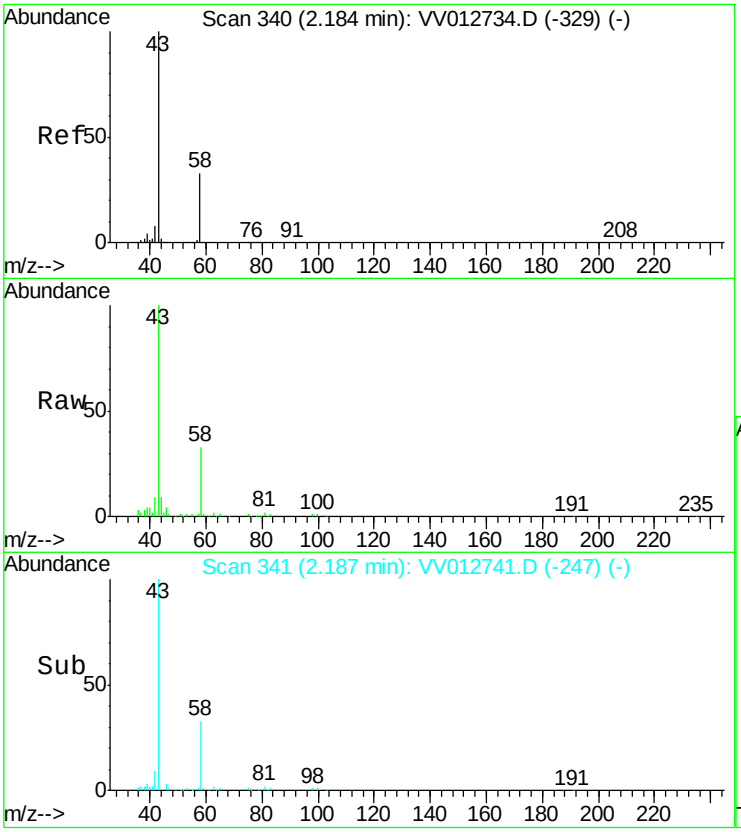
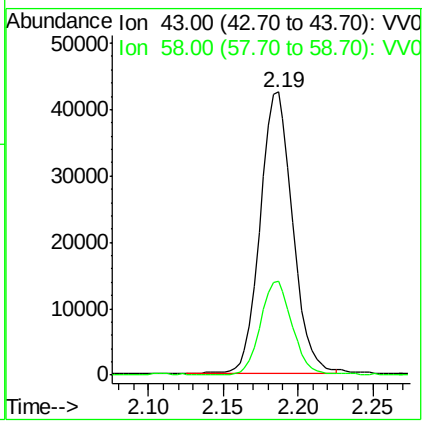




#13
Acetone
Concen: 17.185 ug/L
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion: 43 Resp: 64463

Ion	Ratio	Lower	Upper
43	100		
58	32.8	0.0	66.4



Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

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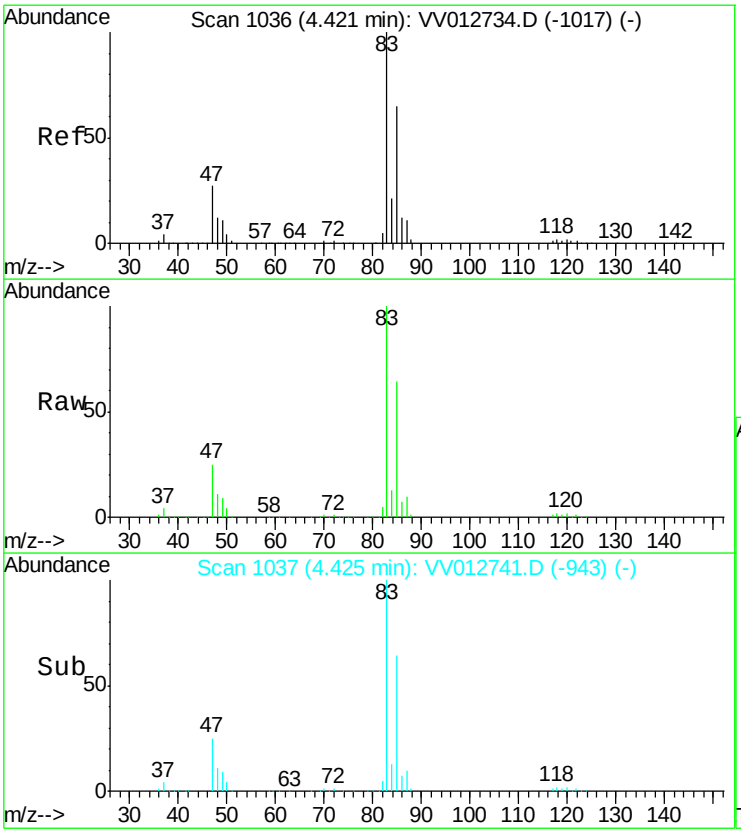
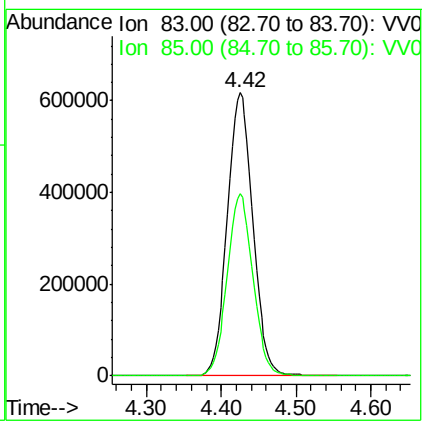
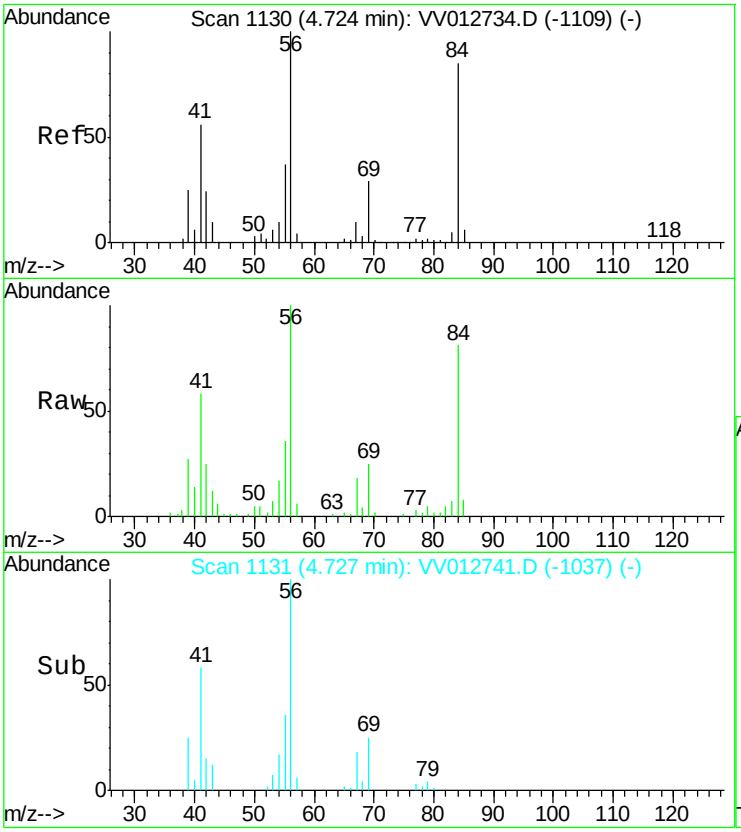


#25
Chloroform
Concen: 145.460 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion: 83 Resp: 1471569

Ion	Ratio	Lower	Upper
83	100		
85	64.3	45.1	83.9

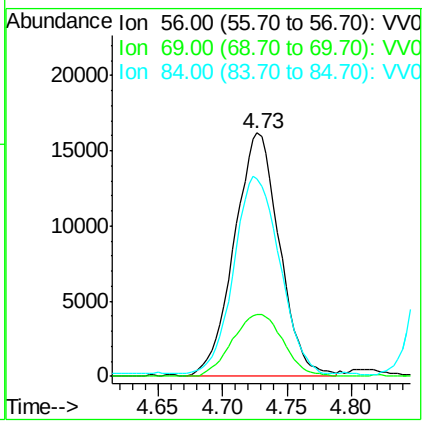




#29
Cyclohexane
Concen: 5.152 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion: 56 Resp: 39513

Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.2	36.2
84	81.9	69.8	104.6



Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

Manual Integrations APPROVED
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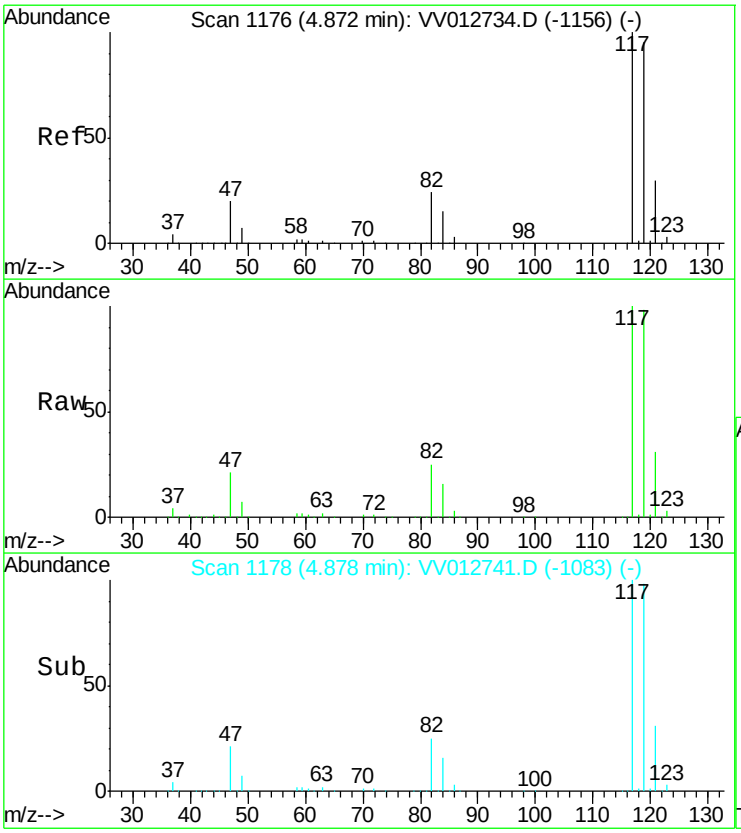
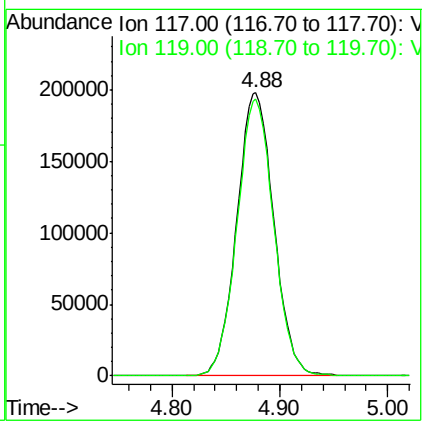
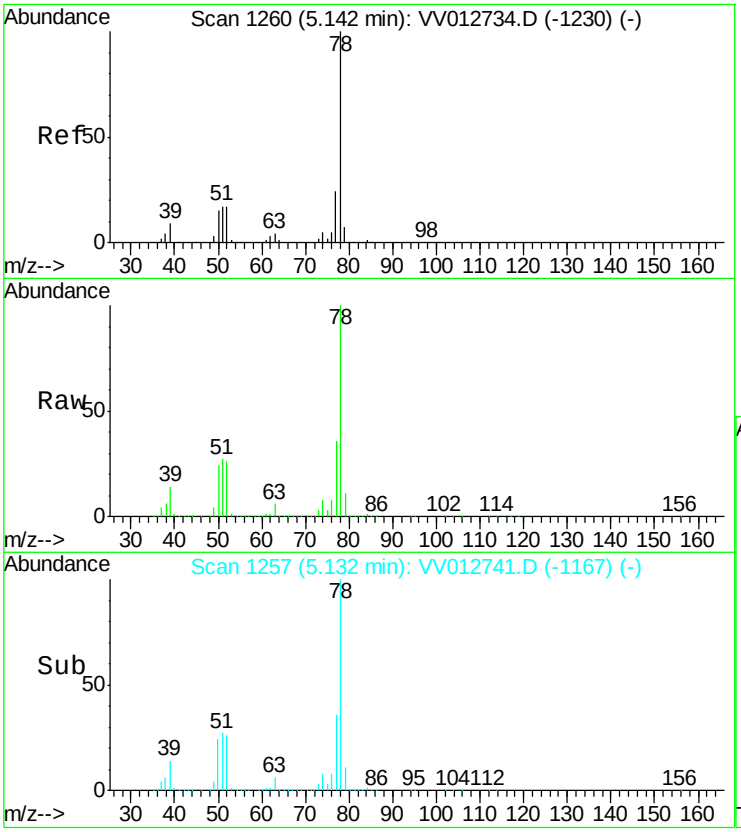


#31
Carbon tetrachloride
Concen: 64.891 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:117 Resp: 472024

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.1	115.7





#33
Benzene
Concen: 1567.784 ug/L m
RT: 5.13 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion: 78 Resp:34454113

Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

Manual Integrations APPROVED
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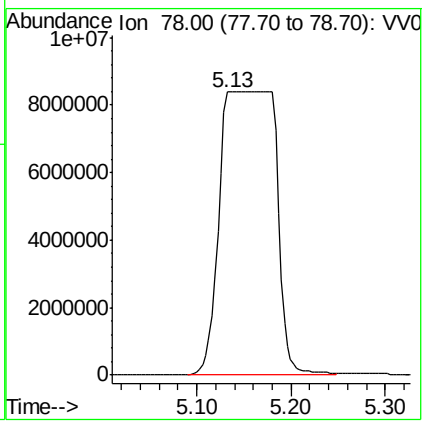
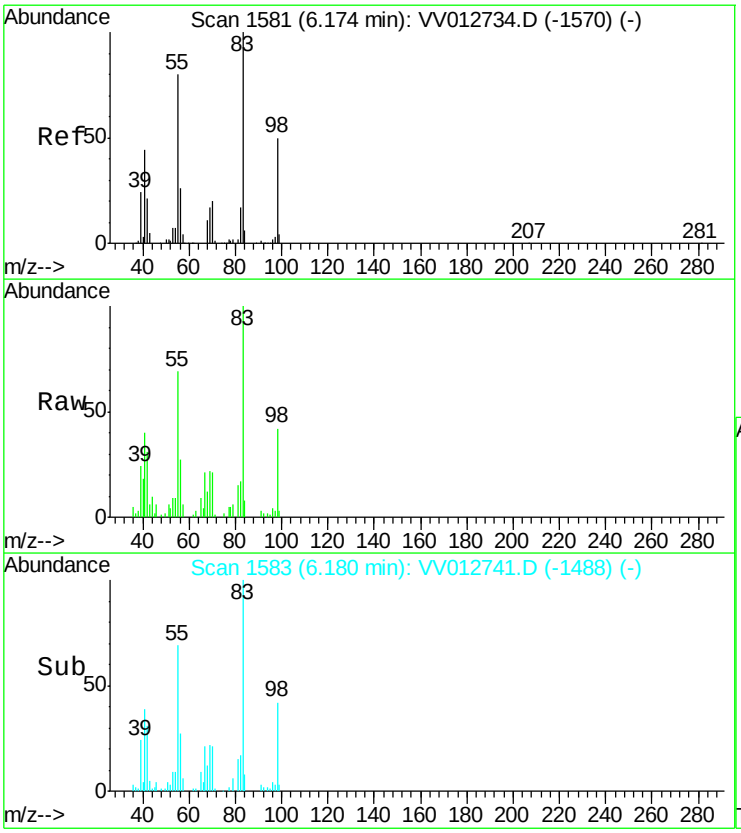
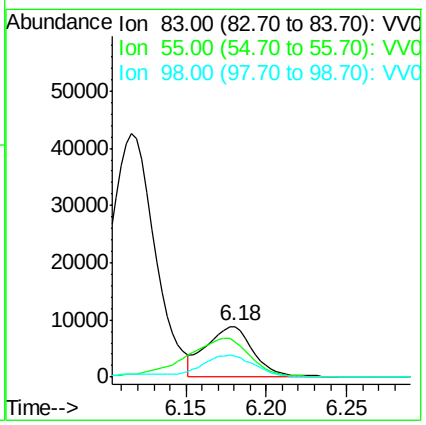


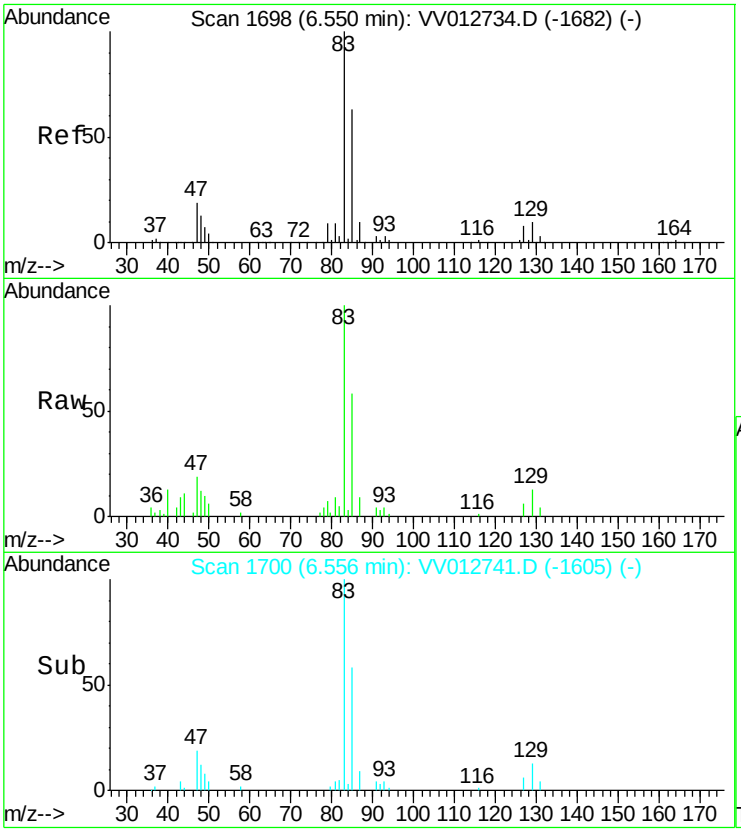


#35
Methylcyclohexane
Concen: 2.238 ug/L m
RT: 6.18 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion: 83 Resp: 18032

Ion	Ratio	Lower	Upper
83	100		
55	0.4	62.2	93.2#
98	0.2	39.4	59.0#

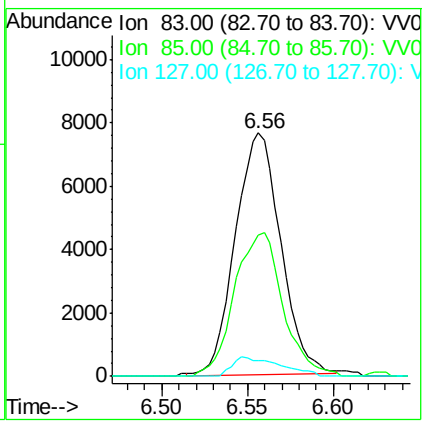




#38
Bromodichloromethane
Concen: 1.724 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. 0.01 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion: 83 Resp: 14029

Ion	Ratio	Lower	Upper
83	100		
85	58.0	44.4	82.5
127	6.2	7.0	10.4#



Instrument :
MSVOA_V
ClientSampleId :
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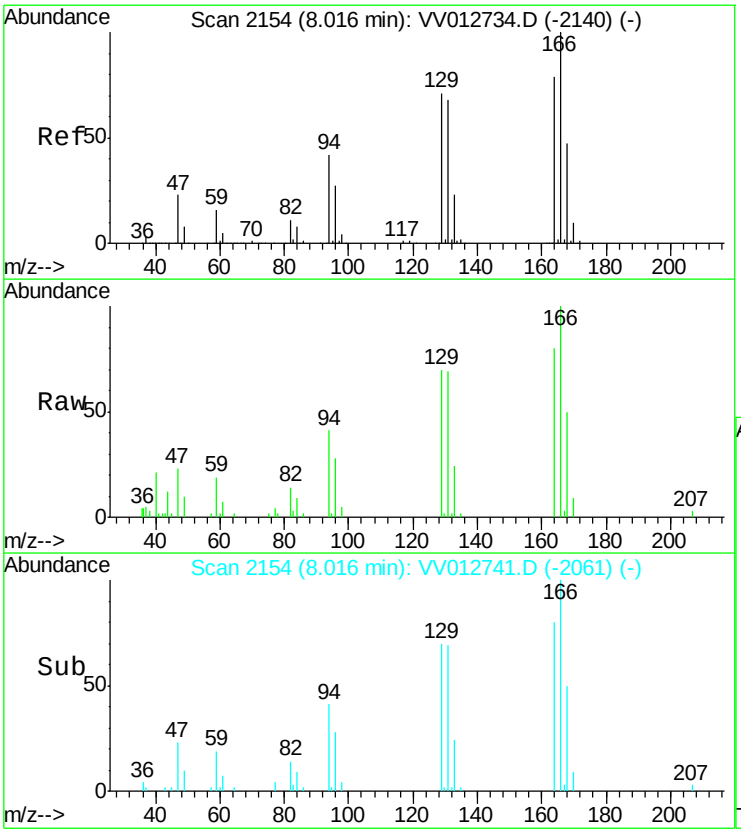
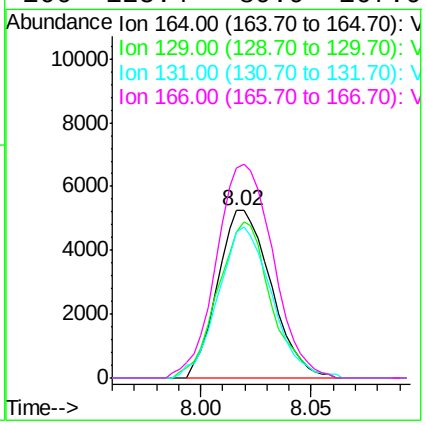
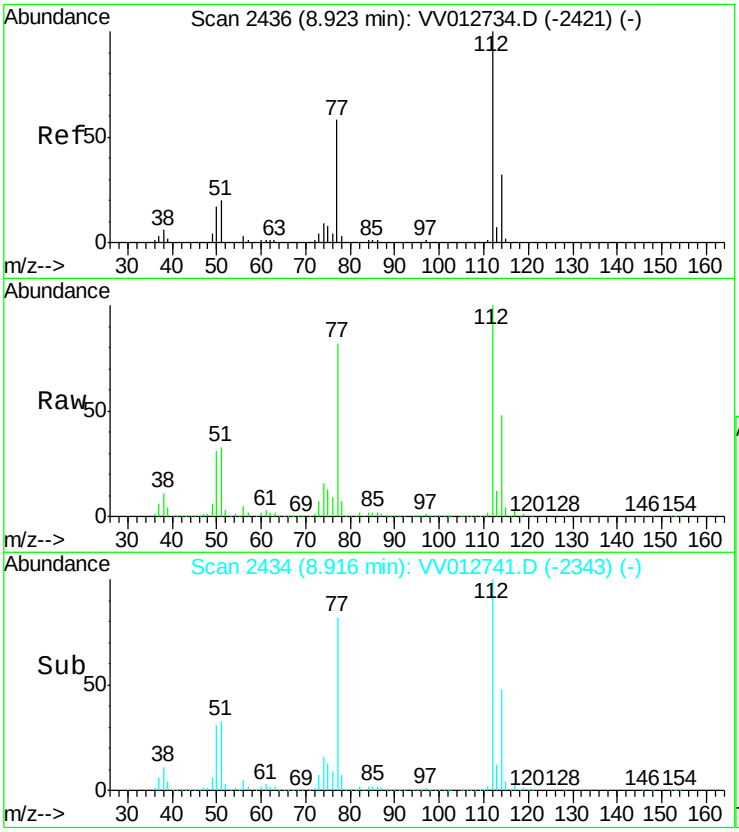


#46
Tetrachloroethene
Concen: 1.989 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:164 Resp: 8813

Ion	Ratio	Lower	Upper
164	100		
129	87.4	62.7	116.5
131	86.8	62.7	116.5
166	125.4	89.9	167.0

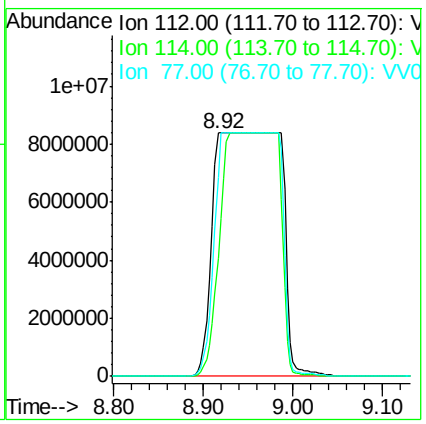




#51
Chlorobenzene
Concen: 2783.092 ug/L m
RT: 8.92 min Scan# 2434
Delta R.T. -0.01 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:112 Resp:43517174

Ion	Ratio	Lower	Upper
112	100		
114	48.4	22.4	41.6#
77	81.9	46.7	70.1#



Instrument :
MSVOA_V
ClientSampleId :
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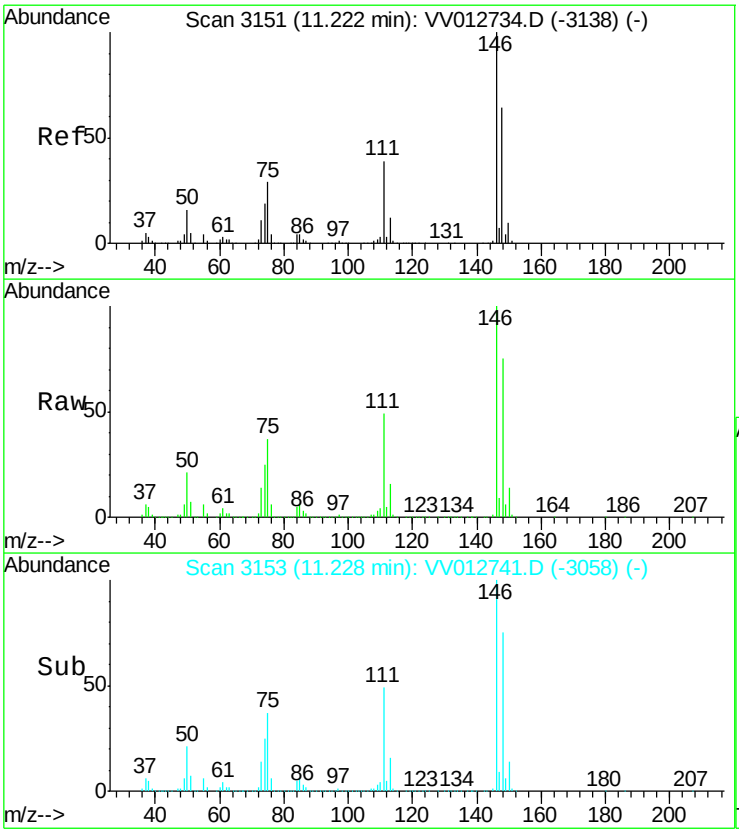
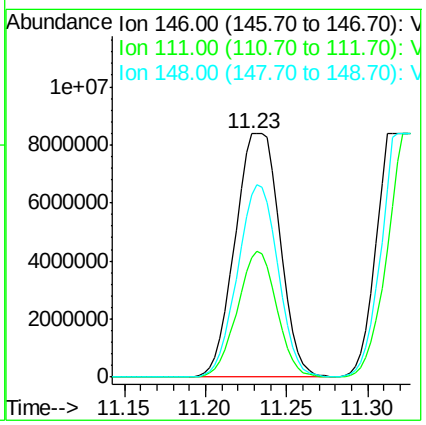
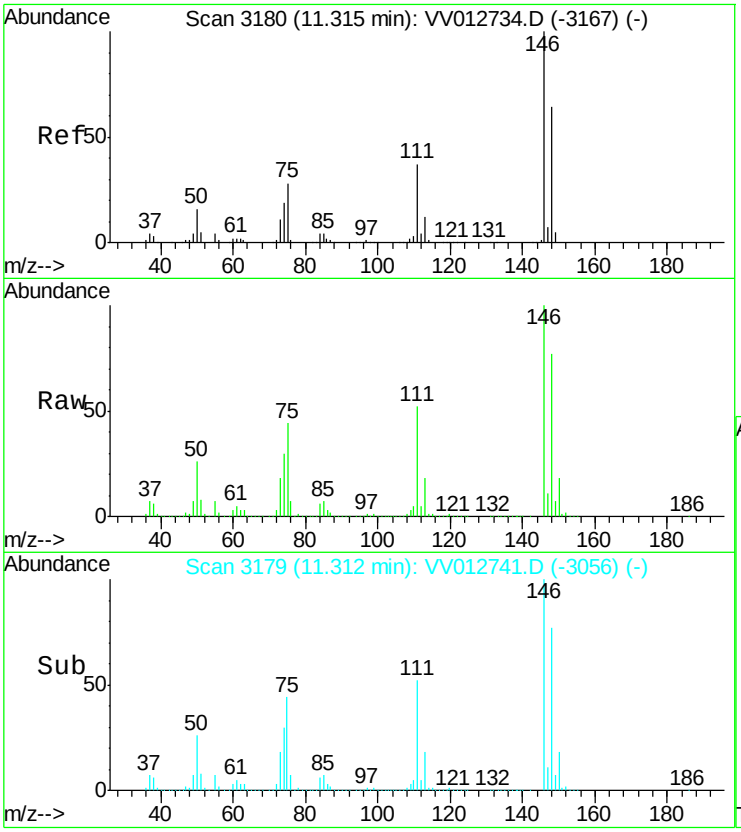


#62
1,3-Dichlorobenzene
Concen: 1065.767 ug/L m
RT: 11.23 min Scan# 3153
Delta R.T. 0.01 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:146 Resp:16189175

Ion	Ratio	Lower	Upper
146	100		
111	48.9	27.2	50.6
148	74.7	45.2	84.0





#63
1,4-Dichlorobenzene
Concen: 2119.853 ug/L m
RT: 11.31 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:146 Resp:33030905

Ion	Ratio	Lower	Upper
146	100		
111	52.3	26.2	48.8#
148	76.9	45.0	83.6

Instrument :
MSVOA_V
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Manual Integrations APPROVED
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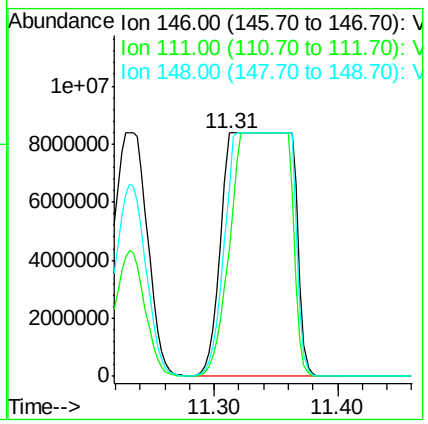
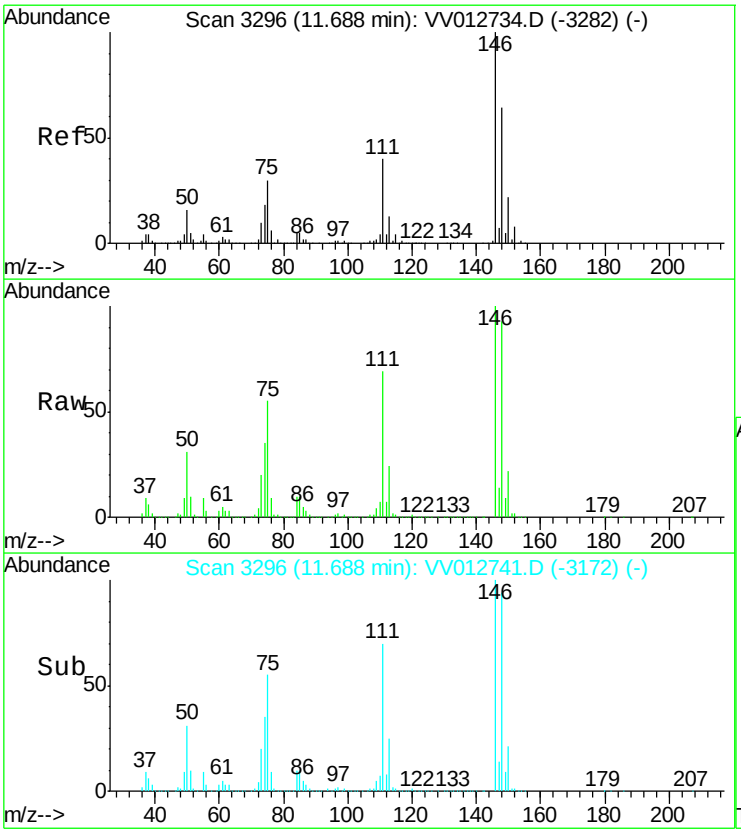
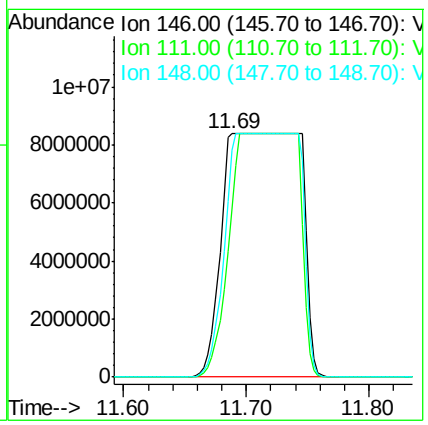


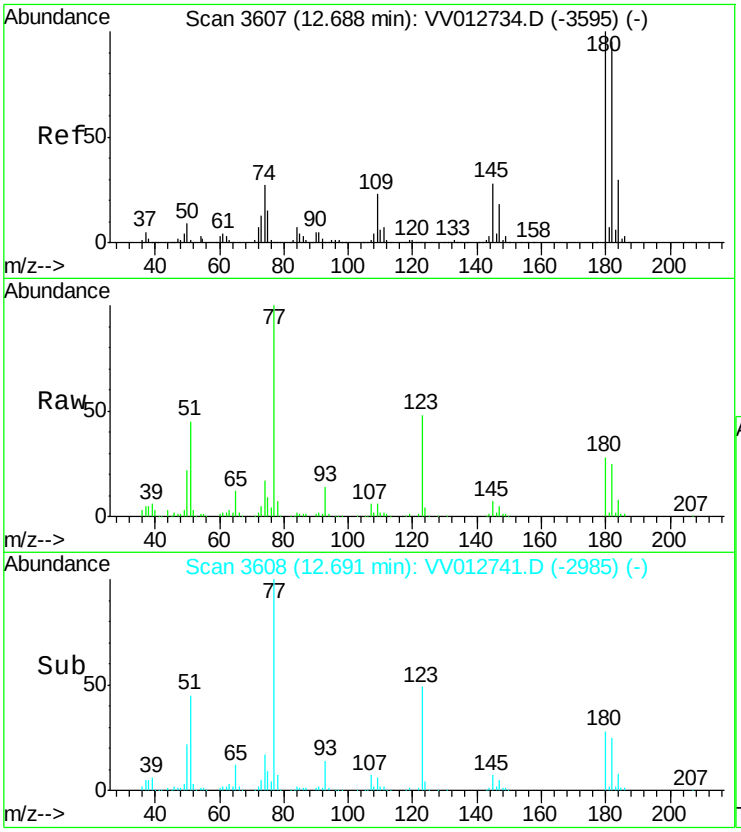


#65
1,2-Dichlorobenzene
Concen: 2315.914 ug/L m
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:146 Resp:36989053

Ion	Ratio	Lower	Upper
146	100		
111	69.2	32.2	48.2#
148	93.1	51.5	77.3#

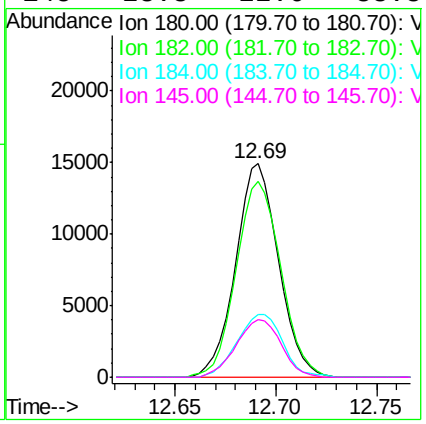




#67
1,3,5-Trichlorobenzene
Concen: 1.990 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:180 Resp: 22335

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
184	31.4	24.4	36.6
145	28.3	22.6	33.8



Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

Manual Integrations APPROVED
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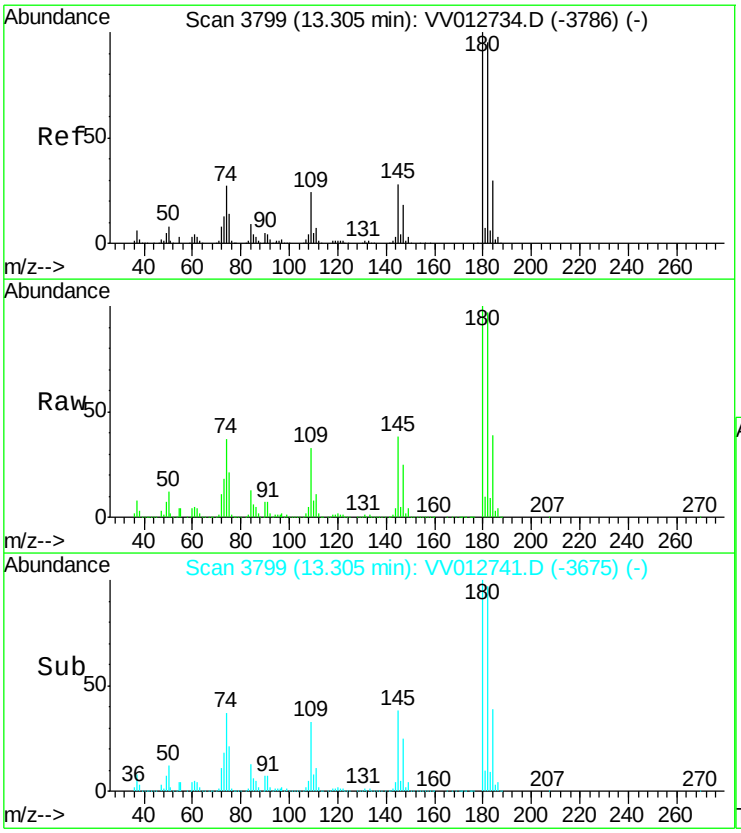
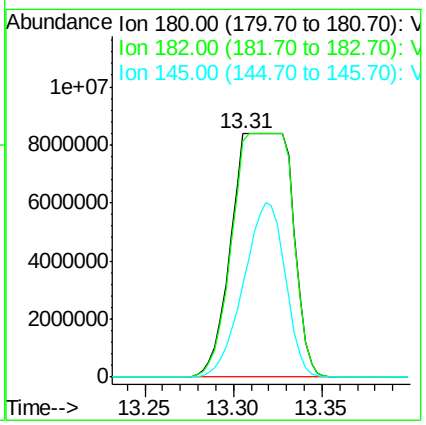
9/16/2019 1:22:25 PM

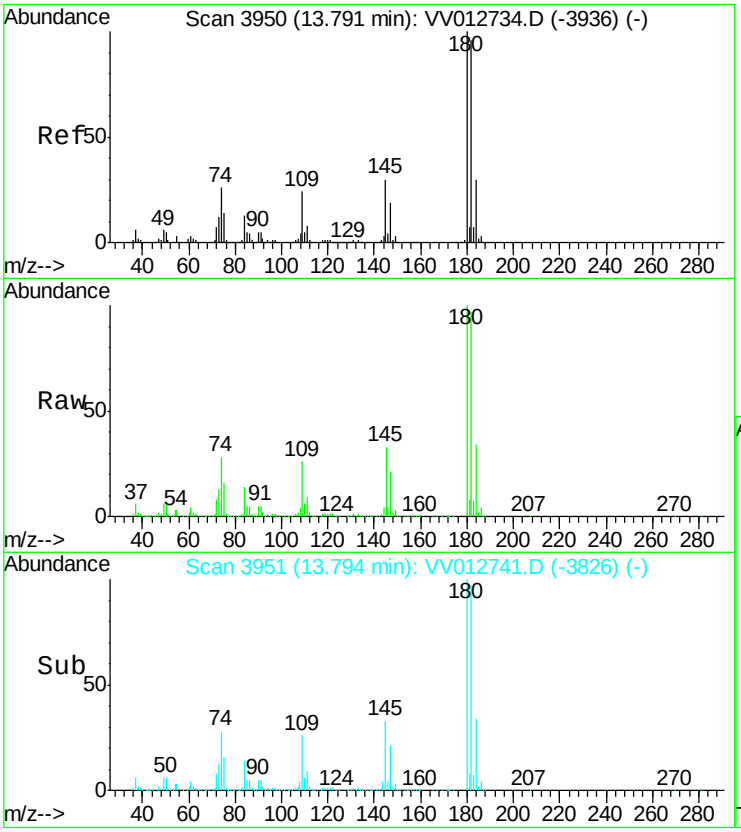


#68
1,2,4-trichlorobenzene
Concen: 2092.590 ug/L m
RT: 13.31 min Scan# 3799
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:180 Resp:19841430

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.8	115.2#
145	0.0	23.0	34.4#

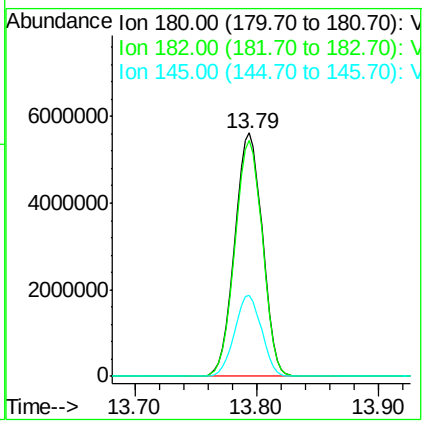




#70
1,2,3-Trichlorobenzene
Concen: 853.464 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012741.D
Acq: 13 Sep 2019 21:33

Tgt Ion:180 Resp: 8784519

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.6	113.4
145	32.4	24.2	36.2



Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

Manual Integrations APPROVED
MMDadoda
9/16/2019 1:22:25 PM