Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
Data File : VV019541.D
Acq On : 11 Dec 2020 04:38
Operator : SY/MD
Sample : L4955-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG457

Manual Integrations APPROVED
MMDadoda
12/14/2020 9:11:47 AM

Quant Time: Dec 11 05:03:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 11 04:38:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	681401	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	675109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	330909	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	192855	39.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 78.94%			
7) Chloroethane-d5	1.57	69	166329	43.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.32%			
11) 1,1-Dichloroethene-d2	2.11	63	392007	43.23	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.46%			
21) 2-Butanone-d5	3.89	46	259008	97.53	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.53%			
24) Chloroform-d	4.35	84	394823	44.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.68%			
26) 1,2-Dichloroethane-d4	5.04	65	279130	48.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.00%			
32) Benzene-d6	5.06	84	791264	43.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.90%			
36) 1,2-Dichloropropane-d6	6.08	67	246570	43.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 87.44%			
41) Toluene-d8	7.32	98	726820	44.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.66%			
43) trans-1,3-Dichloropropene-	7.63	79	135272	42.16	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 84.32%			
47) 2-Hexanone-d5	8.11	63	173350	78.31	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 78.31%			
57) 1,1,2,2-Tetrachloroethane-	10.22	84	355673	46.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 93.24%			
64) 1,2-Dichlorobenzene-d4	11.63	152	283517	45.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.66%			
Target Compounds						Qvalue
5) Vinyl chloride	1.31	62	34600	5.901	ug/L	90
12) 1,1-Dichloroethene	2.12	96	162214	39.960	ug/L #	77
13) Acetone	2.18	43	9083	4.015	ug/L	96
17) trans-1,2-Dichloroethene	2.77	96	5849	1.315	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	312566	20.104	ug/L	99
19) 1,1-Dichloroethane	3.20	63	13861	1.607	ug/L	96
20) cis-1,2-Dichloroethene	3.92	96	248251	50.755	ug/L #	95
33) Benzene	5.11	78	6616683	335.352	ug/L	100
34) Trichloroethene	5.93	95	14869567	2852.911	ug/L	97
42) Toluene	7.40	91	71535	3.440	ug/L	100
46) Tetrachloroethene	7.99	164	65548288m	18174.997	ug/L	
53) m,p-Xylene	9.15	106	14676	1.658	ug/L	90
54) o-xylene	9.55	106	12890	1.486	ug/L	99

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

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Response via : Initial Calibration

Instrument :
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ClientSampleId :
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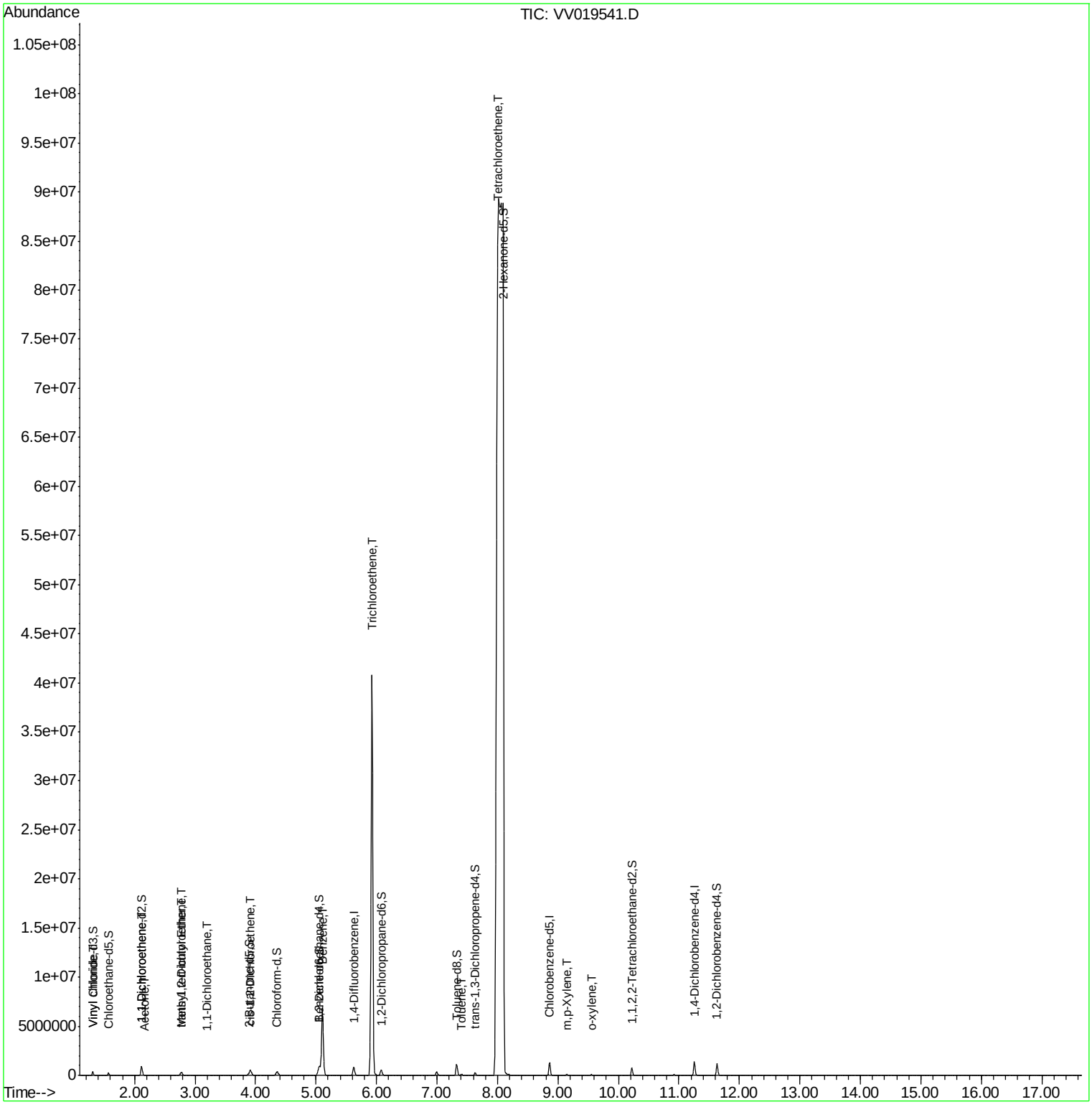
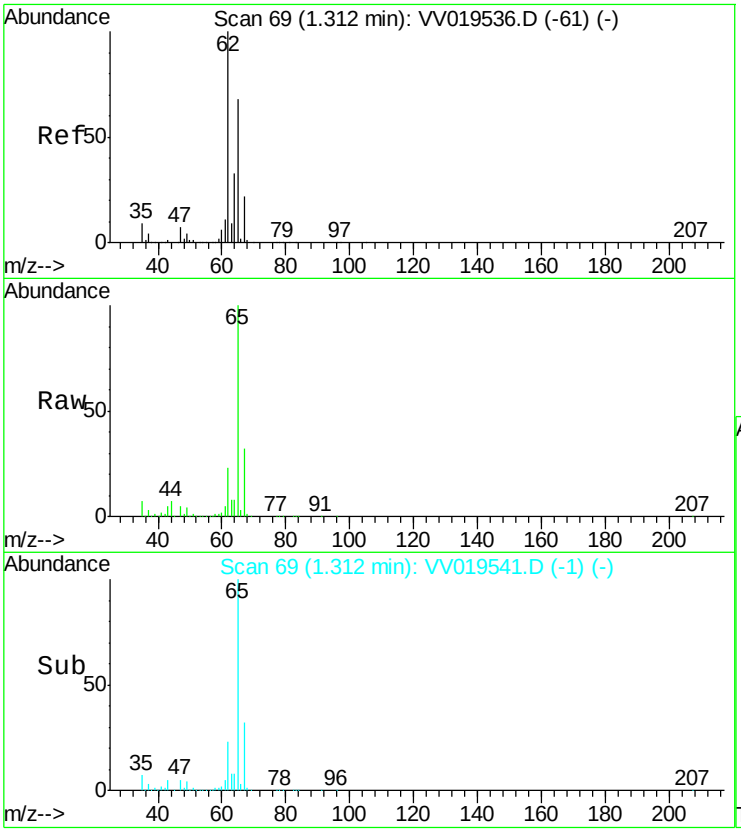
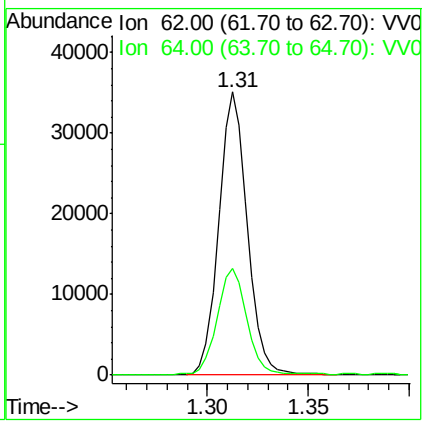




#5
Vinyl chloride
Concen: 5.901 ug/L
RT: 1.31 min Scan# 69
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 62 Resp: 34600

Ion	Ratio	Lower	Upper
62	100		
64	37.6	22.5	41.7



Instrument :
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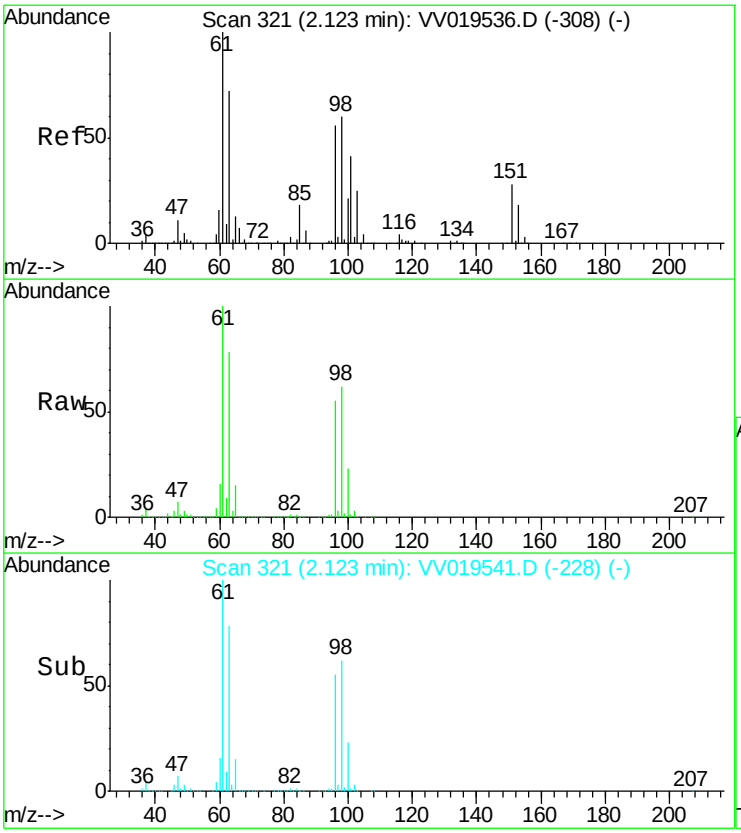
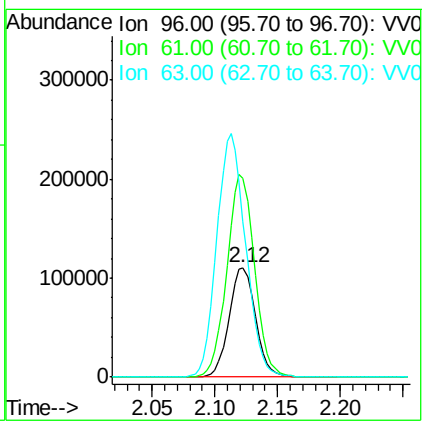
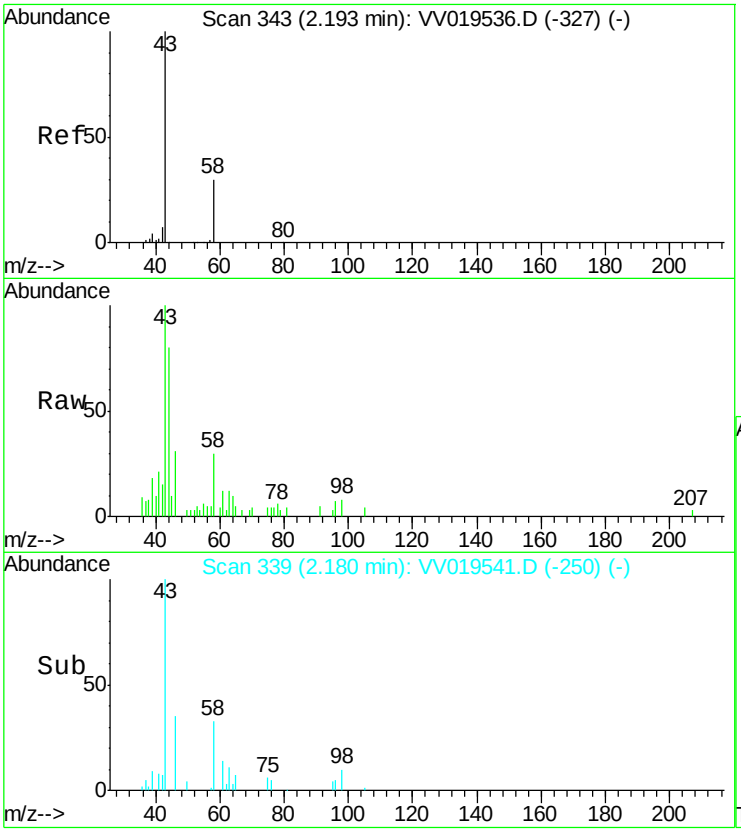


#12
1,1-Dichloroethene
Concen: 39.960 ug/L
RT: 2.12 min Scan# 321
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 96 Resp: 162214

Ion	Ratio	Lower	Upper
96	100		
61	181.7	120.7	224.1
63	141.6	64.3	119.5#

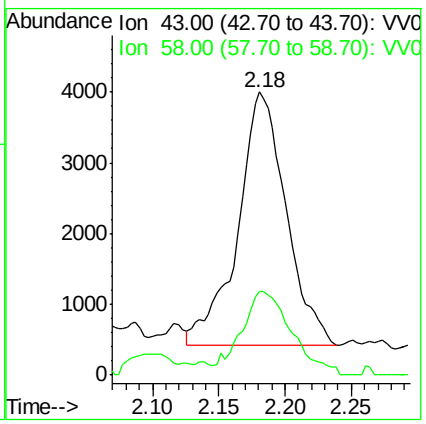




#13
Acetone
Concen: 4.015 ug/L
RT: 2.18 min Scan# 339
Delta R.T. -0.01 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 43 Resp: 9083

Ion	Ratio	Lower	Upper
43	100		
58	33.2	0.0	61.6



Instrument :
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ClientSampleId :
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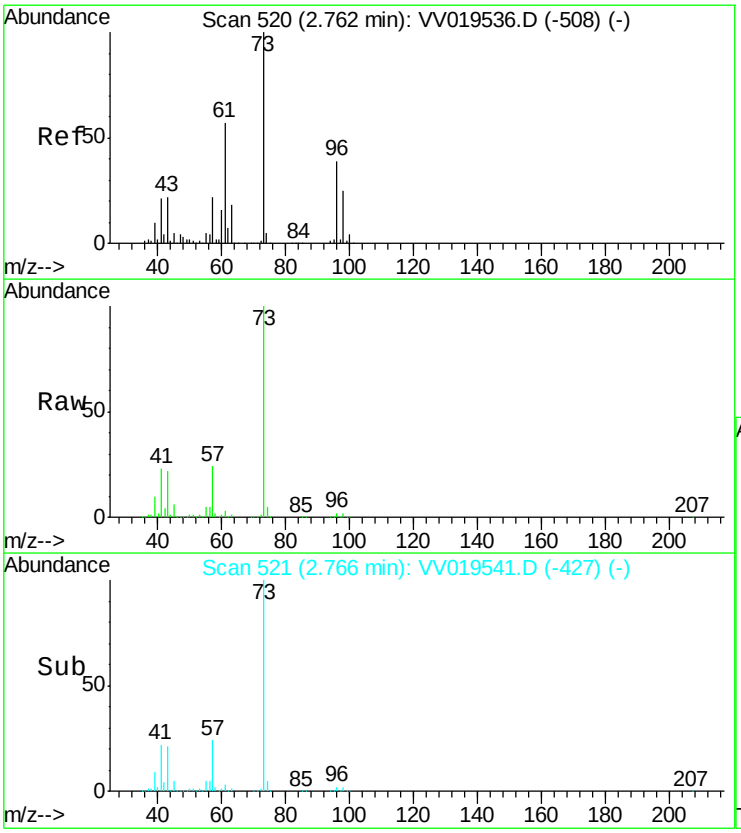
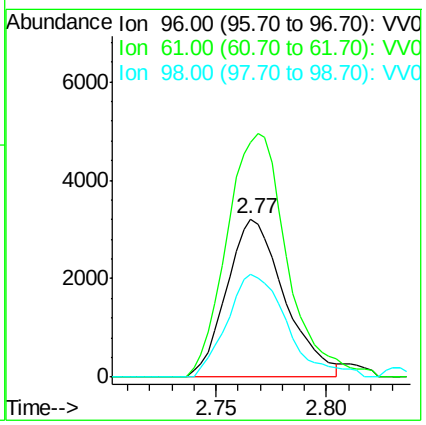
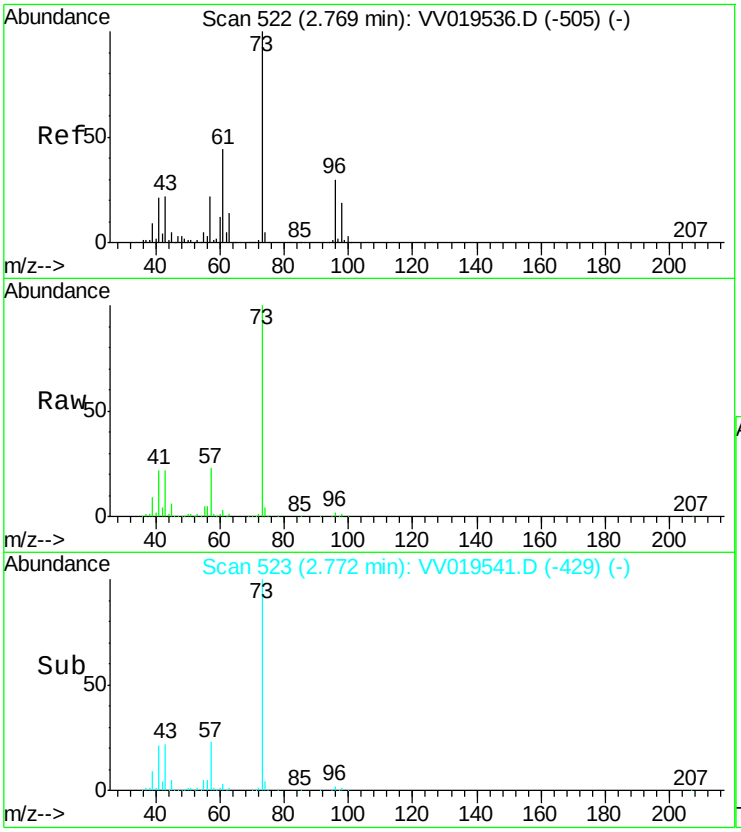


#17
trans-1,2-Dichloroethene
Concen: 1.315 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 96 Resp: 5849

Ion	Ratio	Lower	Upper
96	100		
61	148.8	103.5	192.1
98	65.1	44.4	82.5

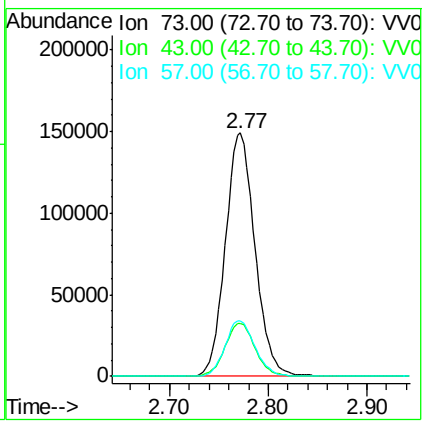




#18
Methyl tert-butyl Ether
Concen: 20.104 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 73 Resp: 312566

Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.3	25.9
57	22.8	17.5	26.3



Instrument :
MSVOA_V
ClientSampleId :
BG457

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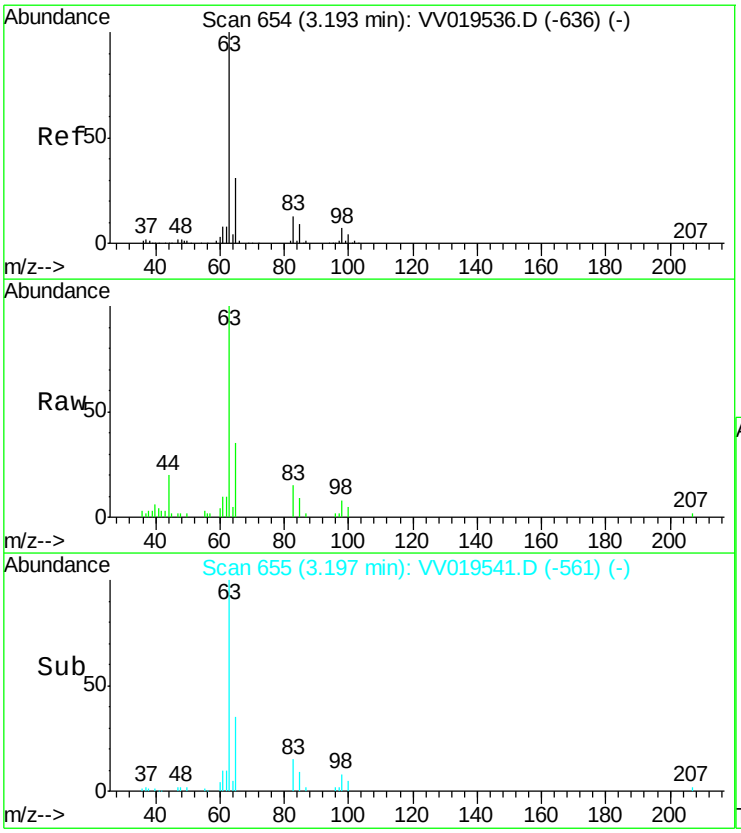
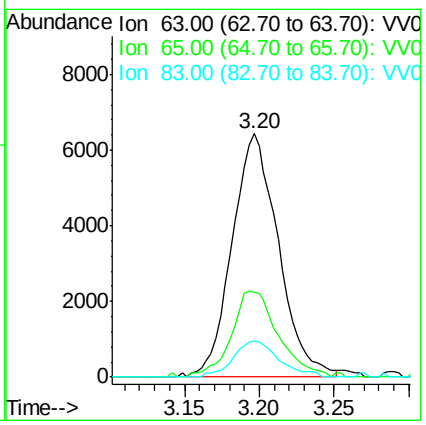
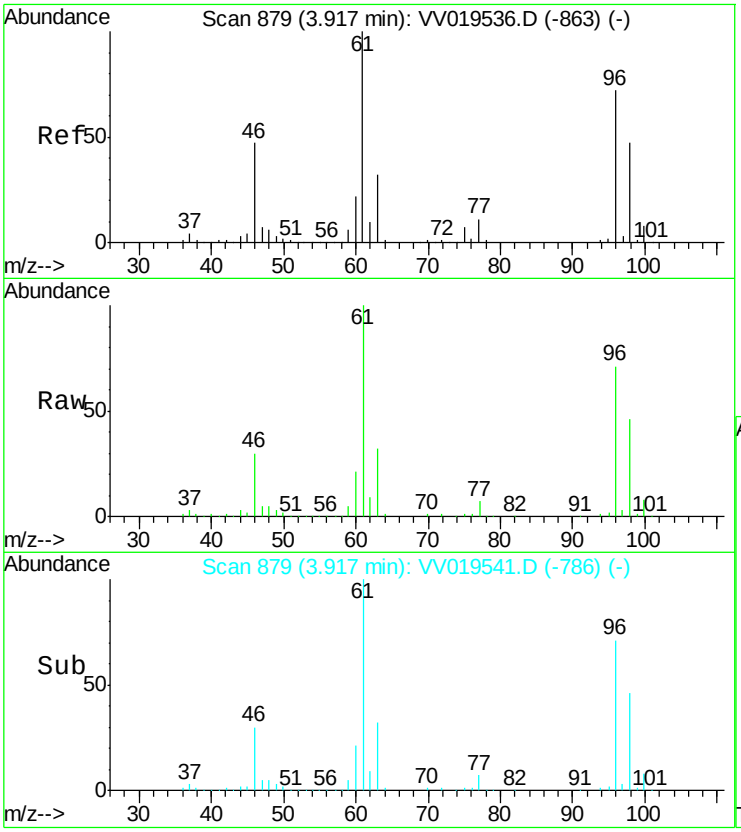


#19
1,1-Dichloroethane
Concen: 1.607 ug/L
RT: 3.20 min Scan# 655
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 63 Resp: 13861

Ion	Ratio	Lower	Upper
63	100		
65	34.7	22.4	41.6
83	14.6	9.6	17.8

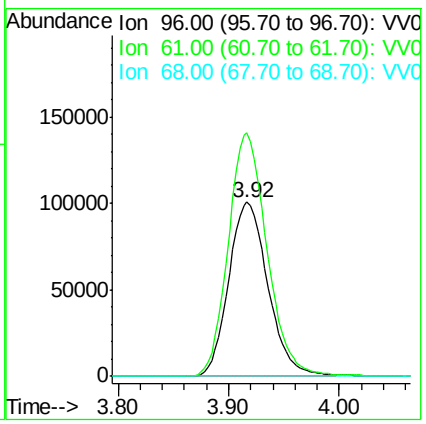




#20
cis-1,2-Dichloroethene
Concen: 50.755 ug/L
RT: 3.92 min Scan# 879
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 96 Resp: 248251

Ion	Ratio	Lower	Upper
96	100		
61	139.9	94.1	174.8
68	0.0	0.1	0.1#



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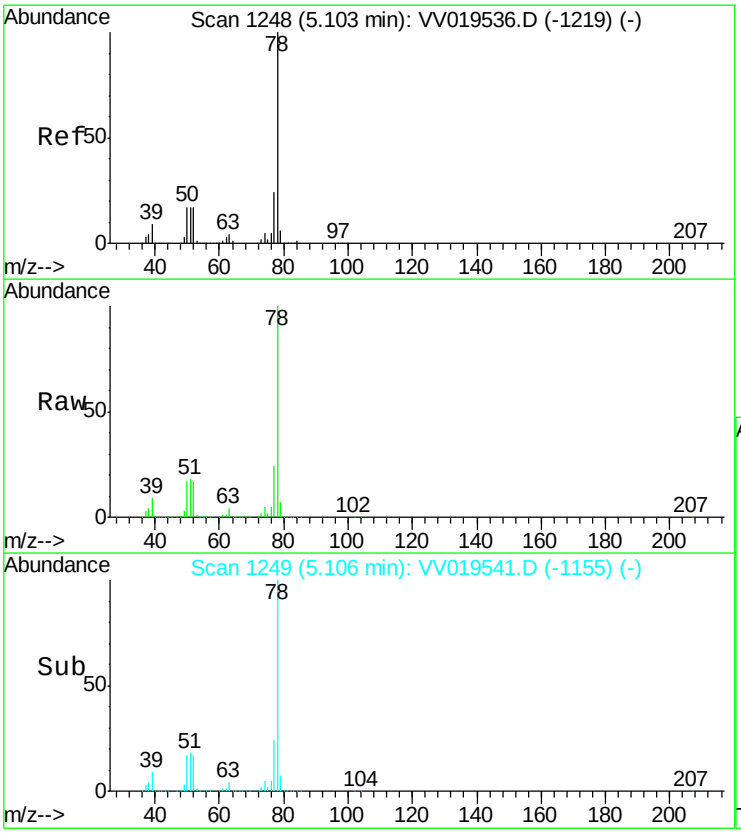
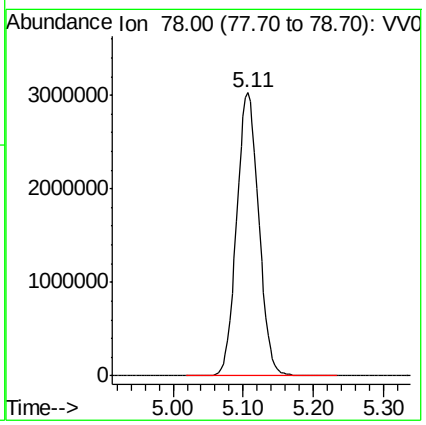
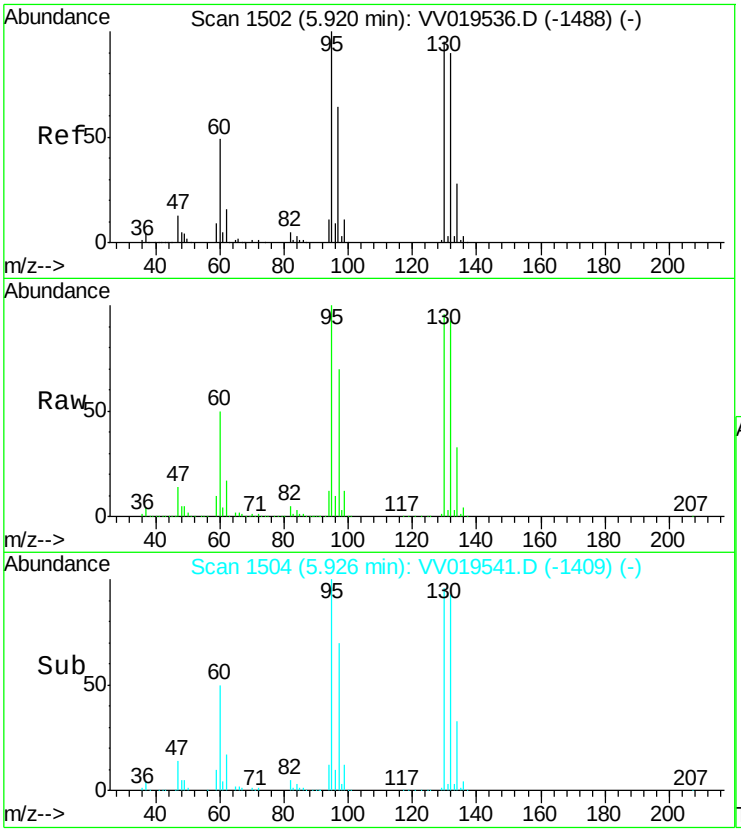


#33
Benzene
Concen: 335.352 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 78 Resp: 6616683

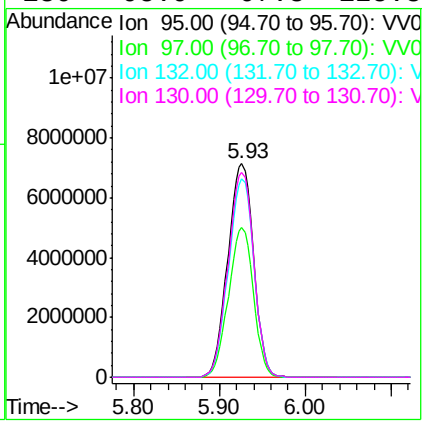




#34
Trichloroethene
Concen: 2852.911 ug/L
RT: 5.93 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 95 Resp:14869567

Ion	Ratio	Lower	Upper
95	100		
97	70.1	44.4	82.4
132	92.8	64.3	119.3
130	95.9	67.8	125.8



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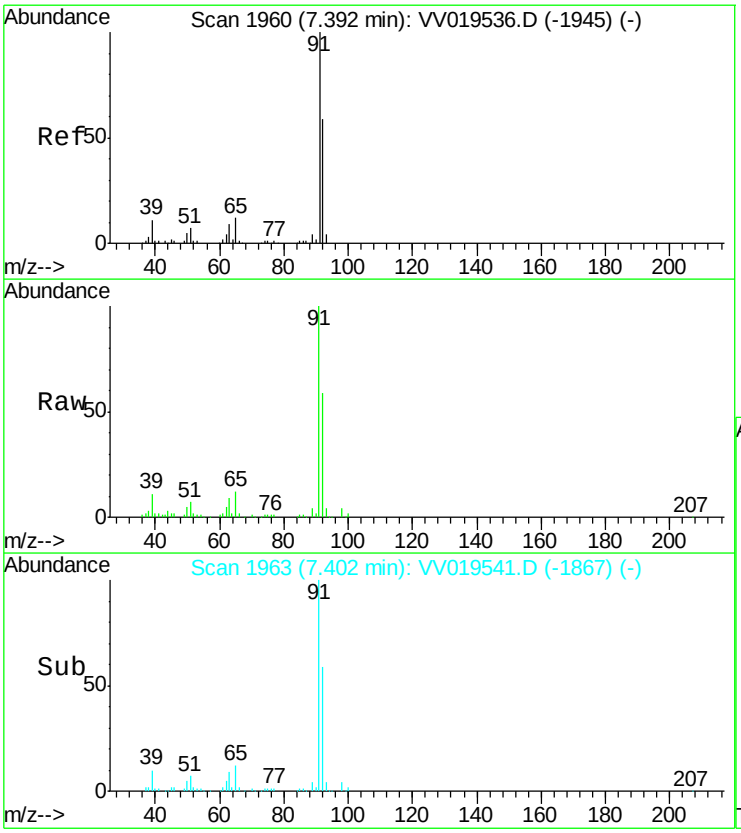
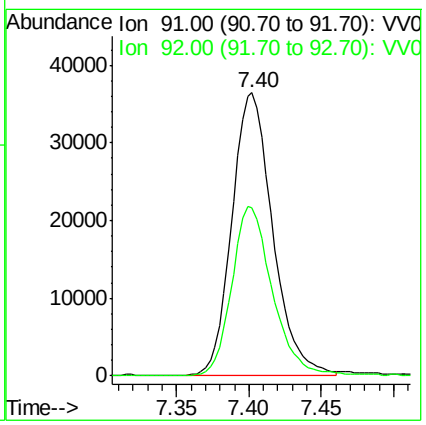
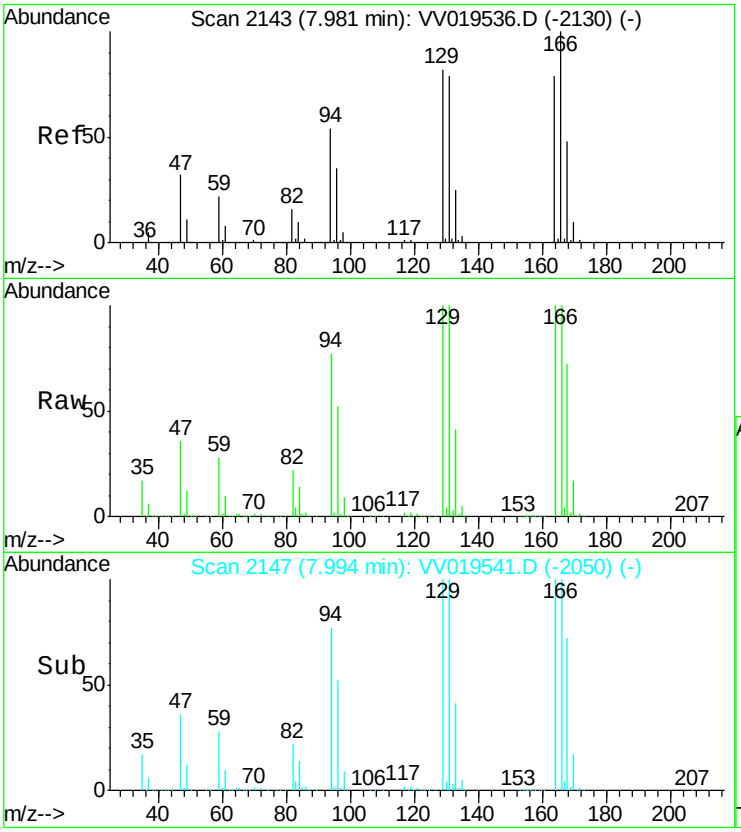


#42
Toluene
Concen: 3.440 ug/L
RT: 7.40 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion: 91 Resp: 71535

Ion	Ratio	Lower	Upper
91	100		
92	59.3	41.4	76.8

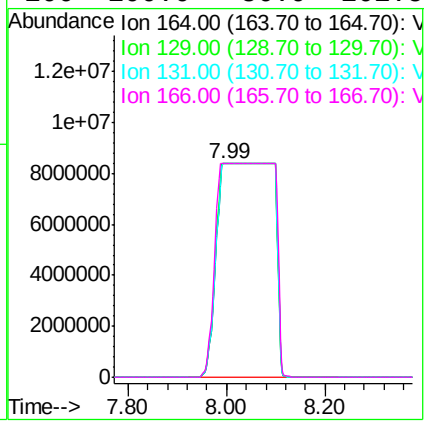




#46
Tetrachloroethene
Concen: 18174.997 ug/L m
RT: 7.99 min Scan# 2147
Delta R.T. 0.01 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion:164 Resp:65548288

Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.6	131.0
131	100.0	68.0	126.4
166	100.0	86.9	161.5



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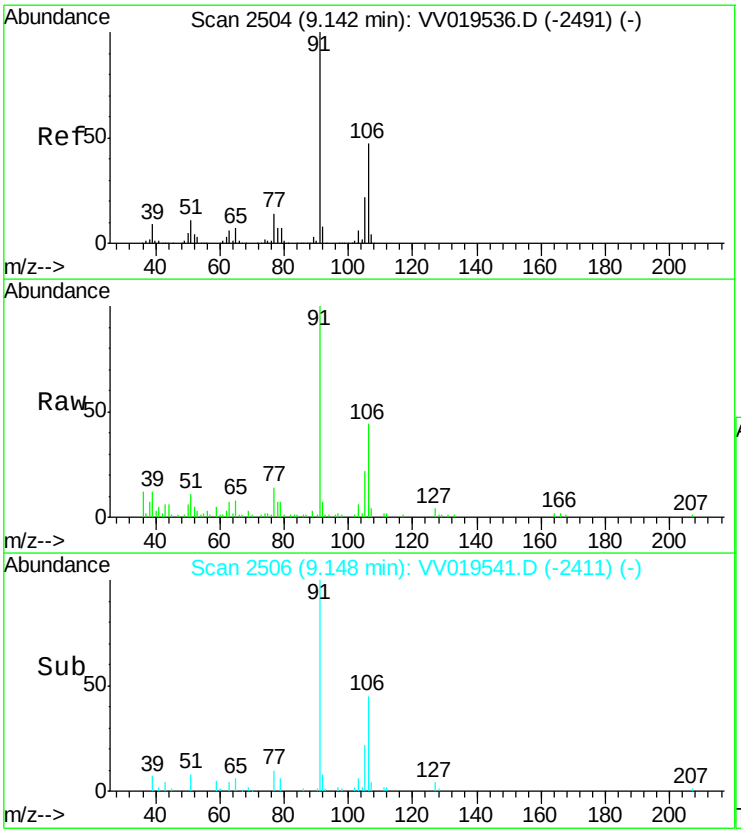
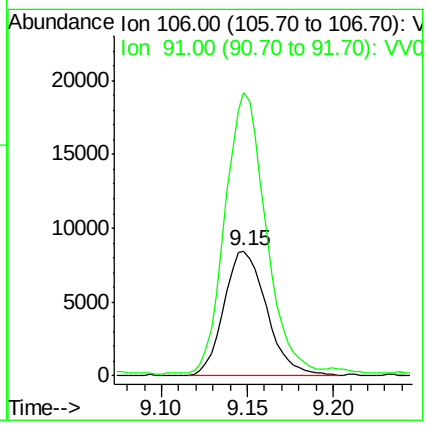
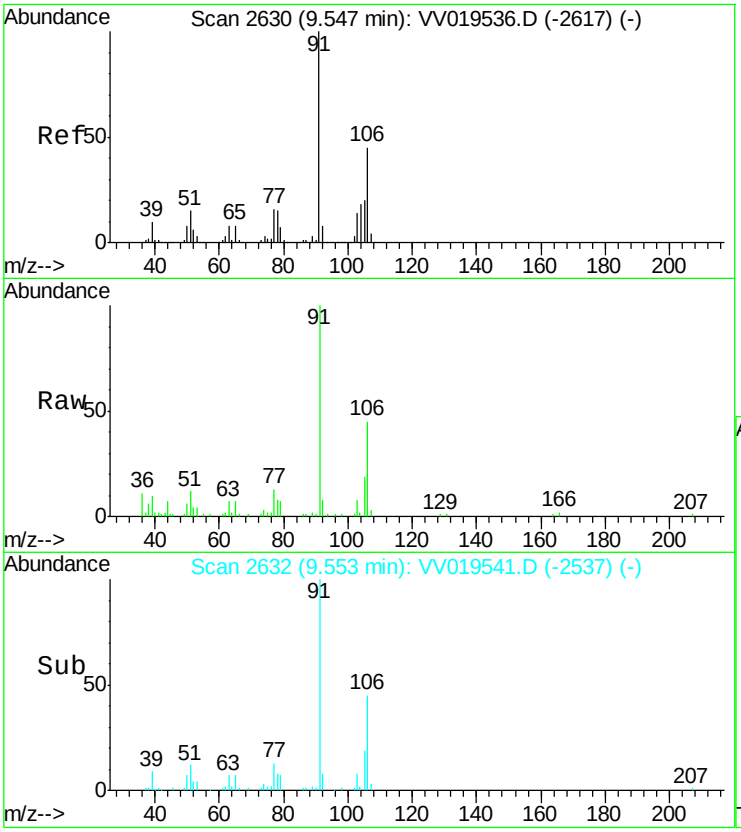


#53
m,p-Xylene
Concen: 1.658 ug/L
RT: 9.15 min Scan# 2506
Delta R.T. 0.01 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion:106 Resp: 14676

Ion	Ratio	Lower	Upper
106	100		
91	226.3	147.7	274.3

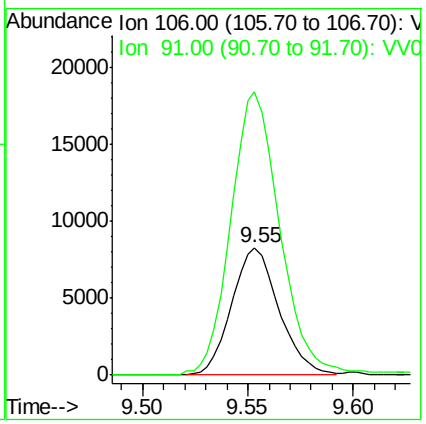




#54
o-xylene
Concen: 1.486 ug/L
RT: 9.55 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VV019541.D
Acq: 11 Dec 2020 04:38

Tgt Ion:106 Resp: 12890

Ion	Ratio	Lower	Upper
106	100		
91	222.5	156.7	291.1



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